TransDev®
THE POWER IN MOTION

SINCE 1965

BELTS | PULLEYS | CHAIN | SPROCKETS | GEARS | BEARINGS | LINEAR | HARDWARE | PLASTICS

Industrial Components & Solutions



transdev.co.uk

TransDev®
THE POWER IN MOTION

Dear Customer

Transmission Developments continues to focus on what matters to you, our customers. Thanks to our founders, Mr Stuart Osborne and Mrs Jean Osborne, we have the benefit of solid financial foundations. It is also their drive, determination and innovations which have placed us at the forefront of motion technology. From the first 'SYNCHROFLEX®' polyurethane timing belts being introduced into the UK over 50 years ago, has grown the multi-million pound motion components distributor and manufacturer you see today.

As Managing Director of what still is a family business, I look forward to the possibilities of the future, whilst always remembering the achievements of the past. You can therefore rest assured that the values which brought us here still remain in our DNA. We remain focused on quality, service and you, our customers and partners.

Thank you for being with us on our journey and entrusting us with your business.

Chris Cowler
Managing Director

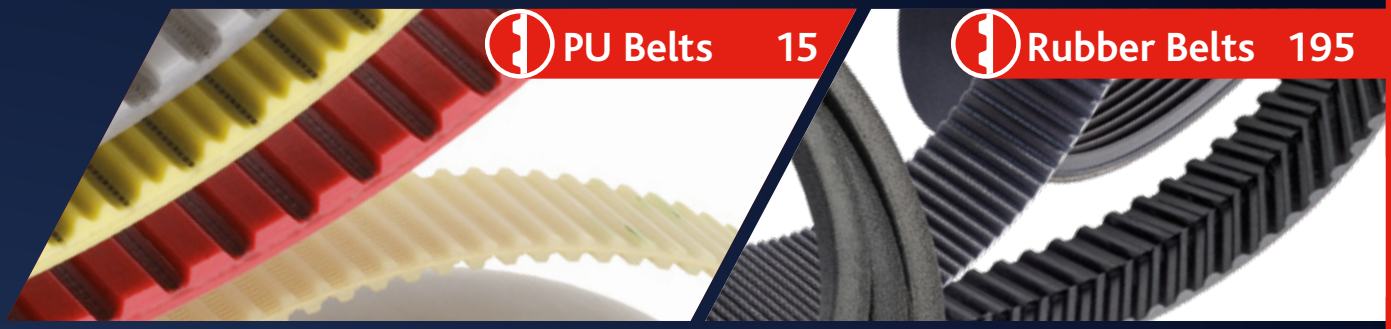


Major brands backed by TransDev expertise

BRECO® TIMING BELTS · Continental · Gates · Volta™ Belting Technology · Schlatterer Esband · WIPPERMANN · Witra Proof of Quality

TYCO · D.I.D · NTN Make the world NAMERAKA · IKO · RENOLD Gears · RESATEC · polteril®

PRODUCT RANGE











TRANSFLEX VFLEX POLY-VFLEX TRANSBACK TRANSGRIP

TRANSFLAT DRIVEFLEX TRANSLOCK DRIVELOCK TRANSPLAS

T +44 (0)1202 675 555 F +44 (0)1202 677 466 E sales@transdev.co.uk transdev.co.uk

Contents

Introduction

About TransDev 4
What we do 6
Our Services and Expertise 8
Trade & Distribution 10
TransDev Direct Online Store 10
TransDev Own Brands 12
How to Order 14

PU Belts 15

Introduction 16
CONTINENTAL SYNCHROFLEX® 20
BRECO® & BRECOFLEX® 22
Design Programs & Measurement Tools 30
AT Series Belts 33
T Series Belts 53
HTD Series Belts 69
Imperial Series Belts 75
CONTI® SYNCHROCHAIN Belts 87
BRECO® Self Tracking Belts 94
BRECO® ATN Series Indexing & Conveying Belts 125
BRECO*basic*® Belts 137
BRECO*protect*® Blue Food Contact Belts 145
BRECO*move*® & BRECOFLEX*move*® Belts 155
Extra Wide Series Belts 165
BRECO® & BRECOFLEX® Flat Belts 169
Volta Series Friction Belts 179
FERROPAN® Friction Belts 190

Rubber Belts 195

CONTI® SYNCHROBELT & Transflex HTD Belts 197
CONTI® SYNCHFORCE CXP & CXA Series Belts 213
CONTI® SYNCHROBELT & Transflex Imperial Belts 219
CONTI® SilentSync Belts 237
CONTI®-V & Vflex Vee Belts 241
GATES POWERATED® & Vflex Garden Vee Belts 257
CONTI® V MULTIRIB Poly Vflex & Poly Vflex Convey Poly Vee Belts 267
Transflat Rubber Flat Belts 277

Special Belts 281

Introduction 282
Special Belt Backings 285
Profiled, Special & Mechanically Reworked Belts 292
Antistatic Belts 300
Transgrip Drawdown Belts 303
Transgrip Haul-off Belts 311
Transgrip Sausage Belts 314
Transgrip Tube Winder Belts 317
Esband Truly Endless Flat Belts 320

Pulleys 327

Driveflex Introduction 328
AT Series Timing Pulleys 332
T Series Timing Pulleys 346
HTD Timing Pulleys - Pilot Bore 360
HTD Timing Pulleys - Taper Bore 378
SYNCHROCHAIN & POLYCHAIN Series Timing Pulleys 391
Imperial Series Timing Pulleys - Pilot Bore and Bar Stock 404
Imperial Series Timing Pulleys - Taper Bore 426
Clamp and Tension Plates 437
Vee Pulleys 443
Poly Vee Pulleys 490
Tension Rollers 496

Chain 501

Introduction 502
WIPPERMANN 506
Roller Chain (British Standard) 508
Roller Chain (Stainless Steel/Nickel Plated) 511
Low and Maintenence-Free Chain 516
Copperhead Easy Break Chain 544
Double Pitch Chain 551
Standard & Heavy Duty Roller Chain (American Standard) 552
Hollow Pin Chain 553
Works Standard & Agricultural Chain 554
Attachment Roller Chain 556
Accumulator Chain 566
Leaf Chain 572
Side Bow Chains 1123
TYC 576
Roller Chain (British & American Standard) 578
Roller Chain (Stainless Steel) 586
Heavy Duty Chain 589
Straight Side Plate Chain 590
Self Lubricating Chain 591
Extended Pitch Chain 594
Attachment Chain 598
Hollow Pin Roller Chain 611
Side Bow Chain 612
Snap-on Chain 614
Bicycle & Motorcycle Chain 615
Leaf Chain 616
WITRA 620
Roller Chain (British & American Standard) 622
Heavy Duty Chain 627
Roller Chain (Stainless Steel/Nickel Plated) 629
Straight Side Plate Chain 631
Double Pitch Chain 633
Attachment Chain 635
Leaf Chain 640
D.I.D 643
Environment Resistant & Ultimate Life Chain 645
O Ring Chains 647
Sintered Bushing Roller Chain 648
Chain Breakers & Pullers 649

Sprockets 651

Driveflex Introduction 652
British Standard Sprockets 654
American Standard Sprockets 680
British Standard Platewheels 687
Chain Torque Limiters 701
Weld on Hubs 702

Gears & Racks 703

Driveflex Introduction 704
Metric Spur Gears 707
Imperial Spur Gears 758
Metric and Imperial Racks 767
Helical Racks and Pinions 779
Metric and Imperial Mitre Gears 781
Imperial and Metric Bevel Gears 796
Worm and Wormwheels 809
Gearboxes 815

Bearings 819

NTN & Driveflex Introduction 820
Ball Bearings 822
Roller Bearings 837
Needle Roller Bearings 845
Rod End Bearings 850
Spherical Plain Bearings 853
Radial and Axial Plain Bearings 856
Cam Followers 856
Bearing Housing Units 857
Bearing Housing Inserts 875
Bearings with Solid Lubrication 880
Bearing Components and Accessories 881
Adaptor Sleeves 881
Split Bearings 882
Bearings with Integrated Sensors 882
Industrial Constant Velocity Joints 882
Tension Levellers 882

Linear 883

Introduction 884
NTN LINEAR 887
Linear Guides & Carriages 889
Linear Rails 892
Linear Shaft 898
Ball Bushings 924
Ball Screws, Ball Screw Supports & Ball Splines 925
Linear Axis & Tables 926
Linear Systems 928
Technical Characteristics 930

Linear 883

IKO LINEAR 933
C-Lube Linear Roller Way 937
Roller Type Linear Motion Rolling Guides 938
Miniature Type C-Lube Linear Way 940
Ball Type C-Lube Linear Way 942
Precision Ball & Linear Slides 944
Anti-Creep Crossed Roller Way 945
Ball Bushing 946
Ball Splines 947
Precision Positioning & Elevating Tables 948
Alignment Tables & Module 951

Hardware 953

Introduction 954
Bushes 957
- Driveflex Taper Bushes 958
- Drivelock Bushes Shaft Locking Elements 960
- Translock Keyless Shaft Locking Bushes 978

Driveflex Couplings 981
- Rigid Couplings 982
- Beam Couplings 984
- HRC Flexible Shaft Couplings 988
- Jaw Couplings 992
- Chain Couplings 993
- Nylon Sleeve Gear Couplings 994
- Taper Bore Tyre Couplings 996

Driveflex Shaft Collars 998
Driveflex Universal Joints 1006
Driveflex Trapezoidal Screws & Nuts 1016
Driveflex Metric Splines and Bushes 1124
Driveflex Metric Keys and Key Steels 1129

RESATEC® TENSIONERS AND OSCILLATORS 1031
Universal Tensioner Series 1032
Sprocket Sets 1038
Chain Riders 1041
Mounting Clamps and Supports 1043
Rubber Suspension Units 1044
Oscillating Mountings 1048
Anti-Vibration-Mountings 1054
Levelling Feet 1057
Noise and Vibration-Limiting Plates 1059
Chain Tensioners 1061

Plastics 1063

Introduction 1064
Transplas Plastic Guide Rails & Extrusions 1067
Semi-Finished Engineering Plastics 1083
Display Plastics 1089
Material Characteristics 1099

Technical Data & Index 1105
Appendices 1121

Product Icons
Quickly find details and complementary products.

24hr Breakdown available | Customisable product | Product code builder | Compatible product *e.g. Pulley (page no)*

T +44 (0)1202 675 555 F +44 (0)1202 677 466 E sales@transdev.co.uk transdev.co.uk



Quality

FIRST
UK manufacturer of Special Timing Pulleys

FIRST
Jointed Timing Belts in UK

FIRST
to introduce Polyurethane Timing Belts to the UK

At TransDev we realise that quality runs through the entire business, not just our products.

Founded over 50 years ago, TransDev are major manufacturers and stockists of major timing and conveyor belt and chain brands; with expert in-house customisation available.

We are the UK's largest manufacturer of Pulleys, Gears and Sprockets. Large gear, pulley and sprocket stocks for rapid rework and made-to-order are our speciality. We are also a 'one stop shop' for Plastic materials, machining, routing and injection moulding.

Apart from developing the largest range of standard and special transmission, indexing and positioning belting products, Transmission Developments has successfully incorporated an extensive range of gears, chains, hardware and plastics products.

We believe that the off the shelf availability of all standard products, backed by our manufacturing of specials, coupled with highly-trained competent staff is the key to customer loyalty.

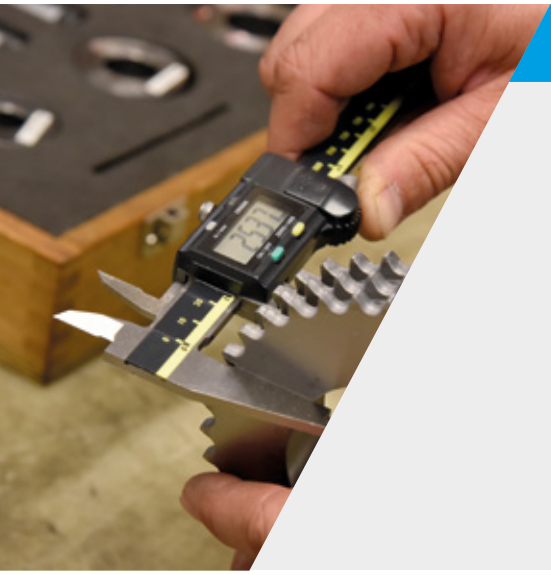
£9M+
TURNOVER

4500+
GLOBAL CUSTOMERS

62000+
PRODUCT LINES

55+ years
OF EXPERIENCE

70000 sq m
OWNED FLOOR SPACE



Quality at every stage of the process

Quality is either something you adhere to or embrace. When we develop a new process in answer to a quality issue we know the company is continuing to move forward. Standing still is not an option. We have continually invested in the right people to provide superior market knowledge and customer service. Our supply chain partners, from manufacturers to logistics and information technology are also carefully chosen to fit our commitment to Quality.

ISO 9001 ISOQAR REGISTERED accumus.com UKAS MANAGEMENT SYSTEMS 0026

Certificate Number 6851-QMS-001
ISO 9001

TransDev has been quality assured since 1965. This is backed up by our ISO 9001: 2015 certification. Certificates of Conformity are also available on request.

99.9%
OF SPECIAL BELT ORDERS **COMPLETED TO SPECIFICATION**



99%
PICKING ACCURACY LEVELS DELIVERED VIA AUTOMATED KARDEX MACHINES



99.7%
OF SPECIAL MANUFACTURING ORDERS **COMPLETED TO SPECIFICATION**



Trusted Brands

TransDev is the UK distributor of the market leading BRECO®, BRECOFLEX®, CONTI® SYNCHROFLEX® and SYNCHROCHAIN® belting brands.

BRECO®, BRECOFLEX®, CONTI® SYNCHROFLEX® and SYNCHROCHAIN® polyurethane timing belts are high performance branded products of excellent quality and have a long operating life. The range offers an extensive selection of profile types, belt widths and lengths.

These are joined by our carefully chosen brands across belting, chain, gears, bearings, linear hardware and plastics; which include VOLTA®, WIPPERMANN®, TYC®, IKO®, NTN® RESATEC® and RENOLD to name a few!





Goods Labelling

Goods can be clearly labelled with customer part and order numbers. Please ask your TransDev sales contact for information and costs.



Packaging

We have an excellent reputation for the quality of our packaging and the accurate fulfilment of kitted products.



Traceability

Many products are batch traceable and can be supplied in accordance with REACH, RoHs and WEEE. Full material certification is also available on many items upon request.

For further information please contact our Quality Assurance Team on +44 (0)1202 675555 or email quality@transdev.co.uk



2,500
JOINED BELTS MANUFACTURED ON AVERAGE EACH MONTH

Capability

Our ability to manufacture the widest possible range of components, sizes and options sets us apart. Whether it is rework, standard or bespoke specifications we can deliver.

Special Belts

TransDev SPECIAL BELTS

TransDev has a dedicated sales team with exceptional product knowledge across Standard and Special Belts

Fast quotations are provided for Standard and Special Belts (jointed, open, backed etc.), including over the phone. Most Special Belts are quoted within 1 hour and our competitive pricing reflects our status as a manufacturer as well as supplier.

TransDev have the largest Special Belt machining capabilities in the UK. We utilise CNC machinery to grind, slit, punch and slot belts and can also manufacture, fit and grind standard or specially made profiles of any shape up to 800mm in width. Our specialist machines can weld tooth belts up to 460mm in width and are among the fastest in our industry.

Belt Backings

TransDev typically produces over 600 backed belts each month, with 26 different backing materials available, all from stock.

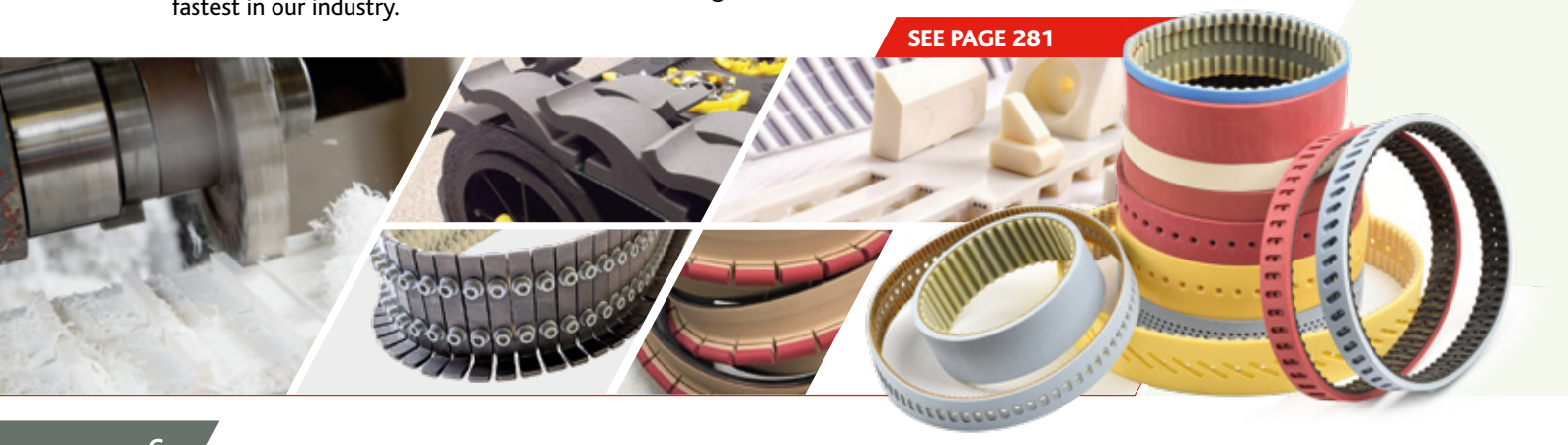
Whether your project needs high friction, low friction, soft, hard or compressible backings, Transback special backings are available to suit all applications. Vulcanized backings (no joint) are available on belts up to 3 metres and we can provide CNC grinding, grooving and slitting of belts up to 120 metres in length. Bonded materials are available to suit many applications, and all belt backings can be specially machined/ground to drawing.

Autoclaved Belts

TransDev continuously backed timing belts ensure that there is no join to fail. If you need a backed belt that can run in either direction, with a backing that is an integral part of the belt, then you need a TransDev Autoclaved Timing Belt.

- 10 special types of rubber held in stock
- New materials can be developed to suit your special requirements
- All the popular Drawdown (VFFS) Haul-down belts and Sausage Belts are available from stock

SEE PAGE 281



600+
BACKED BELTS PRODUCED EACH MONTH

20,000
SPECIAL MANUFACTURED PULLEYS,GEARS AND SPROCKETS PRODUCED ON AVERAGE EACH MONTH





Special Manufacturing

With its well established Poole, Dorset based manufacturing facilities,TransDev is the UK's largest timing pulley manufacturer of Pulleys, Gear cutting and Sprockets.

With a capacity from 4mm to 1 metre in diameter, we utilise manual and CNC machining, operating two manned and one unmanned shift per day.

These are stocked as part of a comprehensive standard range. Large gear, pulley and sprocket stocks for rapid rework as well as made-to-order items are also a speciality.

TransDev MANUFACTURING

- 17,000 pulleys, gears and sprockets manufactured per month (average)
- Experts in gear cutting
- Dedicated manufacturing sales team with exceptional product knowledge
- Fast quotations, with most items to drawing quoted within 1 hour
- World Class MRP system, with barcode tracking that enables us instant access to the live status of your order
- Live work queues enable us to make real time changes to assist your delivery requirements on existing orders in production
- Over £300,000 of tooling covering all Synchoflex®; Breco®; Synchrochain®; HTD®, Imperial; Polychain®; Eagle®; Clamp plates; Gears & Sprockets pitches

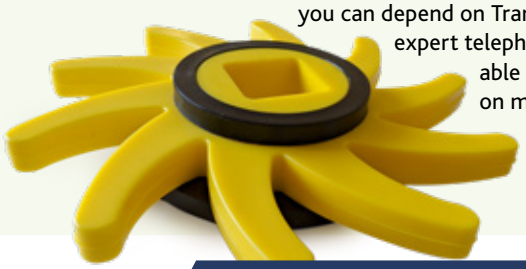
TransDev Plastics

TransDev PLASTICS

Created over 30 years ago, TransDev Plastics is our dedicated Plastics Division.

It is now a major supplier nationwide of such items as chain and belt guides, bespoke machined components from sheet UHMWPe as well as engineering and display plastics.

With our experience of plastics stocking, distribution and our reputation for good service, you can depend on TransDev Plastics. Our expert telephone sales staff are able to give assistance on materials machining and handling.



The TransDev Plastics Division has four areas of operation:

- Transplas machined stock shapes, covering primarily Polyethylene Wear Strip materials and a vast range of extruded profiles
- Engineering plastic stock range, covering semi-finished rod and sheet materials
- Display plastic stock range, including Perspex acrylic sheets
- Machining of plastic signage, machine guarding, POS and architectural elements etc.
- Transmould injection moulding service





SEE PAGE 1063



TransDev SERVICES

Expertise

TransDev goes beyond standard product supply to provide a full technical service to customers.



From onsite visits to testing and research, TransDev draws upon over 50 years of industry experience and highly skilled team members. We have research and testing facilities as well as custom manufacturing capabilities, which underline our ability to create bespoke solutions for critical customer applications. We surround our products with support, advice, customisation opportunities and enhanced services that make us a true supply partner and one-stop-shop for power transmission, conveying and motion solutions.

Looking Ahead

Our close customer relationships and acknowledged expertise have enabled us to form strong partnerships with leading material manufacturers. They look to TransDev as a centre of excellence, knowledge and best practice. We are able to help ensure that future products meet and exceed the needs of the most demanding applications.

Design, Calculate & Download

The CONTI® PROFESSIONAL and Mulco belt pilot software enables you to configure your personal design solutions online and download CAD models free of charge.



SEE PAGE 31

The TransDev Difference



Testing

- ✓ Belt length measurement
- ✓ Fatigue testing
- ✓ Material property testing
- ✓ Thickness consistency testing



Facilities

- ✓ Autoclave
- ✓ CAD Software
- ✓ Drive design Software
- ✓ Test rigs



Projects

- ✓ Autoclaved backed belts
- ✓ Bespoke chain attachments
- ✓ Custom belt profiles
- ✓ Manufacturer material development



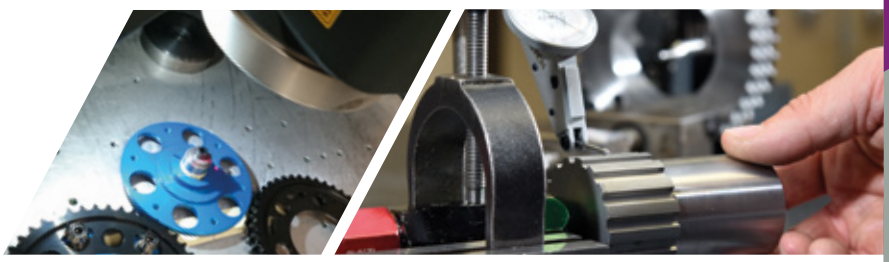
Personnel

- ✓ Technical Manager
- ✓ Technical Co-ordinator
- ✓ Product Manager specialists
- ✓ Regional Sales Engineers



Login to transdev.co.uk to download our range of technical guides







Kitting

TransDev's Kitting Service is used to supply complex, multi-level kits of parts to our customers.

Computer controlled systems ensure all components and assemblies involved in a kit are purchased and kitted together.

Our service ensures the kits are produced in accordance with the customer's specification at every stage of the process, which is quality controlled to ensure 100% conformance.

Technical Support

Need Help? TransDev has a team of technical experts in all aspects of drive design technology waiting to help. TransDev can also run training sessions to help customer's design engineers and to educate on the latest power transmission practices and new developments.

T +44(0)1202 675 555
F +44(0)1202 677 466
E technical@transdev.co.uk

Breakdowns

TransDev can offer a 24 hour service on stock products and can immediately manufacture and dispatch made-to-order products in a machine breakdown situation.

To use this premium service, please contact the duty manager (English only spoken) on:

T 44 (0)7850 548 351

We regret this number cannot be used for progressing orders out of hours. (UK and Europe only)

24/7 365



Availability

TransDev has one of the largest selections of power transmission products in the UK.

Warehouse Investment

Our 6 Kardex® machines have enabled us to provide storage capacity of 31,200 m² out of a footprint of only 444 m². A machine holds 46 shelves, with each single shelf measuring 2500mm x 860mm and capable of withstanding weights of up to 500kg each.

99% picking accuracy levels are achieved due to the Integrated pick-to-light technology, automatically informing the operator of the location, description and quantity to pick.

Kardex Machine storage keeps components clean, dust free and dramatically reduces the risk of damage. However, static racking is still essential for products unsuitable for storage within Kardex®

TransDev also has over 1,600 m² of static racking, hence requiring 2 x Order Pickers and 3 x Forklift Trucks that allow quick and easy access to such storage.

BELTS PULLEYS CHAIN SPROCKETS GEARS BEARINGS

THOUSANDS OF PRODUCTS ARE JUST A CLICK AWAY

Online Trade Store

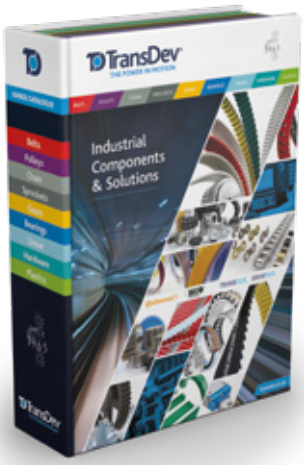




Leading Brands
Quality brands at great prices

ONLINE ORDERING: www.transdevdirect.co.uk





You can browse our catalogues online and order via the phone, fax or email.

Order now on
0845 0 675 555

Lines open Mon-Fri 9am-5pm,
excluding UK Public Holidays.

T +44(0)1202 675 555 (non-UK)
F +44(0)1202 677 466
E sales@transdev.co.uk



Delivery

Next Day Express Delivery is available on many standard lines. Order in stock, standard components before 4.30pm to be dispatched the same day to UK mainland locations. Next day delivery cannot always be guaranteed but we always do our best to meet your requirements. Special Belts also enjoy excellent on-time delivery performance:

- Next day delivery possible on jointed belts ordered as late as 4:30pm
- Profiled, Wide and Backed belts normal lead-time from 1–2 weeks
- Backed belts typically from 5-7 days
- Breakdown express cell delivery from 24 hours
- Rework from standard products from 3-5 days



Order by 4.30pm for next day delivery*

LINEAR HARDWARE PLASTICS

TransDev DIRECT

Features

- View your agreed pricing and live stock availability
- Stock orders taken before 4.30pm on weekdays are despatched the same day
- Our integrated MRP system enables seamless and fast ordering
- 98% in-stock ratio
- Over 24,000 separate products
- Over £4m of stock held

Quick and Easy

- UTILISE the quick product search and easy navigation
- VIEW live stock availability and your agreed pricing
- LINK to product info
- BUILD and review order lists
- SPECIFY shipping type
- MANAGE your orders and users

Service and Expertise
See why we are The Power in Motion

Large Stock Profile
We have the products you need

Next Day Deliveries
When you need that product fast.

TRANSDEV'S TEAM OF WINNING BRANDS

TransDev has created several brands for belting and related hardware. All share the same great quality and excellent value for money, whilst also available in larger stock numbers for next day delivery.

P197 & 219



- ✓ High strength and flexibility
- ✓ Uniform transmission of power
- ✓ Excellent transfer of belt tension
- ✓ Resistant to oil,tropics, UV and ozone
- ✓ Operating temp. range from –20 °C to +100 °C

TRANSFLEX

Hunting for the best value? Transflex scores everytime

With over 1000 Metric, Imperial, Single and Double sided sizes, first class performance and flexibility the Transflex range is hard to beat.

Application

- Suitable for drives with an efficiency of 98%
- Ideal for compact drive designs
- Exploit low-cost, space-efficient drives
- Custom belt widths available
- Large stock of compatible Driveflex High Torque Drive (HTD) timing pulleys

VFLEX

- ✓ Easy to install
- ✓ Generates little noise
- ✓ Enable a high transmission ratio
- ✓ Exceptionally efficient power transmission
- ✓ Excellent value and performance benefits



P241

POLY-VFLEX

- ✓ Ideal for High Speed Belts
- ✓ EPDM Variants Available
- ✓ Accommodate large transmission ratios
- ✓ Suitable for smaller Pulley
- ✓ Provide economical drive solutions



P267

VFLEX GARDEN

- ✓ High degree of efficiency
- ✓ Generates little noise
- ✓ Long service life
- ✓ Wide operating temperature range
- ✓ Extremely wear resistant



P257

VFLEX POLY-VFLEX

Rubber V Belts that offer a match-winning performance

Two quality brands and large stocks means amazing value and choice.

We stock a number of V belt variants;

- Classical section V belts
- Wedge section V belts
- Raw edge cogged V belts
- Lawn & Garden V belts
- Double-sided V belts
- Poly V belts
- Large stock of compatible Driveflex V and Poly V pulleys





DRIVEFLEX DRIVELOCK TRANSLOCK

Top of the table for hardware

TransDev manufactures and supplies a complete range of standard pulleys, sprockets, gears, bearings and hardware (collars, universal joints etc). Our stock of high quality components are manufactured according to relevant ISO or RMA standards and help ensure that performance is not compromised.

If we don't stock it, or it is a special design, we can manufacture and rework to your specific requirements.

- Timing Pulleys
- Vee & Poly Vee Pulleys
- Bushes
- Couplings
- Shaft Collars
- Universal Joints
- Trapezoidal Screws & Nuts
- Spur Gears
- Racks and Pinions
- Mitre Gears
- Bevel Gears
- Sprockets & Platewheels



TransDev own brand products are all available for next day delivery on TransDev Direct

How to Order

TransDev has one of the largest selections of motion products in the UK. You can currently browse our website and catalogues and order via the phone, fax email or online.

For Special Belts and Manufactured products we can produce drawings and help you with your specification, before confirming final costs.

- Stock orders taken before 4.30pm **despatched the same day**
- Integrated MRP system enables seamless and fast ordering
- **96%** of all calls answered within 20 seconds
- **98%** in-stock ratio
- Over **70%** of stock held in automatic storage and retrieval machines
- **1600m²** of static racking
- Over **62,000 product lines**
- Over **£4m** of stock held

Order now on

+44(0)1202 675 555

Lines open Mon-Fri 9am-5pm (excl. UK Public Holidays).

Alternatively order via, fax , email or online:

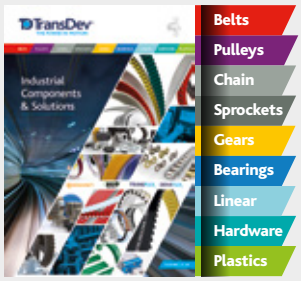
F +44(0)1202 677 466
E sales@transdev.co.uk
w transdevdirect.co.uk
T 0845 0 675 555

Specialist Departments:

TransDev Chain Sales
T +44(0)1202 644 808 F +44(0)1202 644 819

TransDev Plastics
T +44(0)1202 670 567 F +44(0)1202 667 768

Special Belts & Manufacturing
T +44(0)1202 644 800 F +44(0)1202 644 809



To order copies of our catalogue or for general enquiries:

Call **+44(0)1202 675 555** or visit **transdev.co.uk**

Delivery

Next Day Express Delivery is available on all standard lines. Order in stock, standard components before 4.30pm for next day delivery to UK mainland locations (wherever possible).

Special Belts also enjoy excellent on-time delivery performance:

- Next day delivery possible on jointed belts ordered as late as 4:30pm
- Profiled, Wide and Backed belts normal lead-time from 1-2 weeks
- Backed belts typical lead time from 5-7 days
- Breakdown express cell delivery from 24 hours
- Rework of standard products from 3-5 days

Returns

Returns for parts no longer required will only be accepted by prior agreement and in a saleable condition. Please contact your internal Sales contact before returning items.

For returns of such parts the following handling charge applies:

Stock Items

Stock items will be subject to a 20% handling charge.

Non Stock Items

Non stock items and special orders are non-returnable and are unable to be accepted for credit.



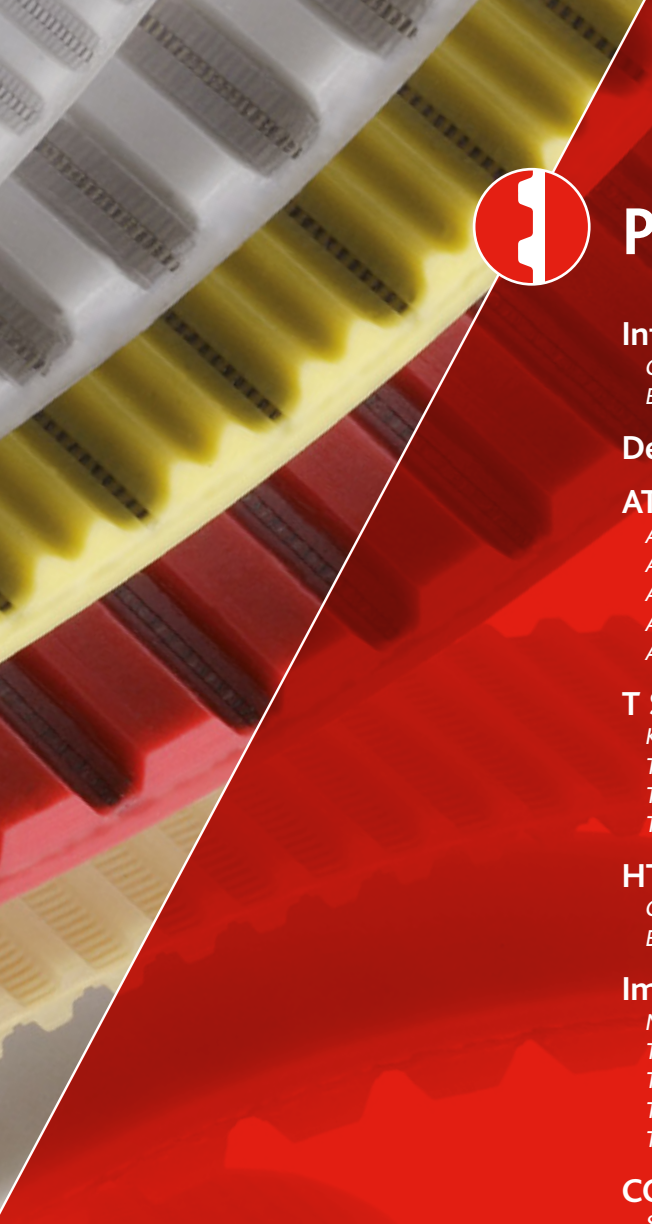
TransDev DIRECT

For Trade and Distributors

TransDev Direct is your first port of call for standard products, including plastics.

Browse our website or contact us direct to enquire on products, pricing and to place orders.

transdevdirect.co.uk



POLYURETHANE BELTS

Introduction 16
CONTI® SYNCHROFLEX 20
BRECO® and BRECOFLEX® 22

Design Programs & Measurement Tools 30

AT Series 33
AT3 36
AT5, ATL5 38
AT10, ATL10 41
ATP10, ATP15, ATS15 44
AT20, ATL20 49

T Series 53
K1.5, T2, T2.5 56
T5 60
T10 63
T20 66

HTD Series 69
CONTI® SYNCHRODRIVE 70
BRECOClassic® 71

Imperial Series 75
MXL 78
T1/5" (XL) 79
T3/8" (L) 81
T1/2" (H) 83
T7/8" (XH) 85

CONTI® SYNCHROCHAIN 87
SYNCHROCHAIN 90
SYNCROCHAIN CARBON 92

BRECO® Self Tracking 94
ATK5, ATK10, ATK20 99
TK5, TK10, TK1/2" 105
BAT10, BATK10, BAT15, BATK15 112
SFAT10, SFAT15, SFAT20 120

BRECO® ATN Series 125

BRECO*basic*® 137

BRECO*protect*® 145

BRECO*move*® & BRECOFLEX*move*® 155

Extra Wide Series 165

BRECO® & BRECOFLEX® Flat Belts 169

Volta Series Friction Belts 179

FERROPAN® Friction Belts 190



Polyurethane Belts

IDEAL POWER TRANSMISSION

Synchronous running and low elongation, coupled with maintenance-free operation makes the TransDev timing belt range the ideal means of power transmission.

Features

- Slipless, synchronous operation
- Constant length, no post elongation
- Reduced noise
- Extremely wear resistant
- Efficiencies up to 98%
- Maintenance-free
- Belt speed up to 80 m/sec
- Temperature ranges available from -25°C to +110°C (dependent on special PU's)
- Chemically stable and resistant to ozone and sunlight
- Conditionally resistant to acids and alkalis
- Resistant to fats and petrol
- Extremely oil resistant
- Hydrolysis resistant
- Large power range
- Low initial tension
- High positional and angular accuracy
- Can be welded to other thermoplastics*
- Low mass, suitable for positioning and stepper motor drives

*BRECO® only

The manufacturing process used for TransDev timing belts produces close tolerance timing belts, which ensure the even distribution of load during use and will allow the transmission of high torques. Due to the high accuracy of these drives, they are also suitable for indexing, positioning and conveying drives.

TransDev offers several main types of polyurethane timing belt:

SYNCHROFLEX®
SYNCHROFLEX® GEN III®
SYNCHRODRIVE®
SYNCHROCHAIN®
→ Continental

BRECO® M
BRECO V®
BRECOFLEX®
→ BRECO® TIMING BELTS / BRECOflex® TIMING BELTS

Timing pulleys

Timing pulleys can be supplied in conjunction with TransDev timing belts as complete drives. As well as a popular stock range, TransDev can manufacture special pulleys to drawing in all pitches and profiles. Standard material for timing pulleys is free-machining aluminium alloy (6082-T6). Other materials such as Steel, Stainless Steel, Cast Iron and various plastics are also available.



See PULLEYS - Page 327

Polyurethane Timing, Conveying and Indexing Belts

BRECO® TIMING BELTS

BRECO® flex TIMING BELTS

Continental

Application areas

TransDev PU polyurethane timing belts are suitable for use in all industries where the synchronous transmission of angular motion is required. They are therefore suitable for all types of power transmission, indexing, positioning and conveying.



Open Length

BRECO® (M) & CONTI® SYNCHRODRIVE

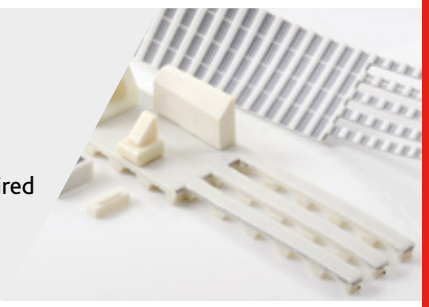
- Ideal for linear and lifting applications
- Little or no maintenance required
- Ideal for alternating directions and omega drive applications



Jointed

BRECO® (V) & CONTI® SYNCHRODRIVE

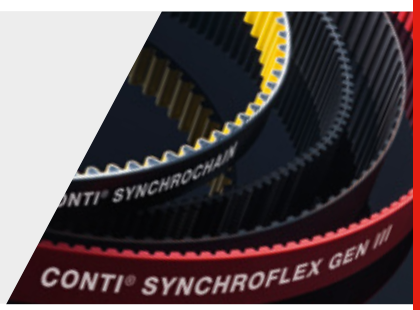
- Ideal for conveying and indexing
- For where long or non-standard centre distance required
- Almost any length can be supplied



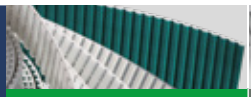
Truly Endless

BRECOFLEX®, CONTI® SYNCHROFLEX & SYNCHROCHAIN

- No join enables high load capacities
- Internal cord spirally wound
- First choice for power transmission applications



Open Length & Jointed PU Belts Options

Variations and Options	 BRECO®	 BRECO*classic*®	 BRECO*protect*®	 BRECO*move*®	 BRECO® TRANSPORT ATN	 CONTI® SYNCHRODRIVE
AT	**AT** 3 | 5 10 | 10-T 20 | 20-T	**AT** 3 | 5 10 | 20	**AT** 5 | 10 15 | 20	**AT** 10 | 15	**ATN** 10 | 12.7 | 20	-
ATS	**ATS** 15	-	-	-	**ATNS** 20	-
ATP	**ATP** 10 | 10-DL | 15 | 15-DL	-	-	-	-	-
ATL	**ATL** 5 | 10 | 20	-	-	-	-	-
T	**T** 2.5 | 5 | 5-DL | 5-DR | 5-T 10 | 10-DL | 10-DR | 10-T 20 | 20-DL | 20-T	**T** 5 | 10 | 20	**T** 10 | 20	-	-	-
Imperial	**T** 1/5(XL) | 3/8(L) 1/2(H) | 1/2(H) T | 7/8(XH)	**T** 1/2(H)	-	-	-	-
HTD	-	5 | 8 M	-	-	-	3 | 5 | 8 | 14 | 20 M
CTD	-	-	-	-	-	-
K	-	-	-	-		-
ATK	**ATK** 5K6 10K6 | 10K13 | 10K13-T 20K13	**ATK** 5K6 10K6 | 10K13 20K13	-	-	**ATN** 10-K6 12.7-K6	-
TK	**TK** 5K6 10K6 | 10K13 | 10K13-T 1/2"K13 | 1/2"K13-T	**TK** 5K6 10K6 | 10K13 1/2"K13	-	-	-	-
BATK	**BATK** 10 | 15	-	-	-	-	-
SFAT	**SFAT** 10 | 20	-	-	-	-	-
BAT	**BAT** 10 | 15	-	-	-	-	-
Flat	**F** 1/2" | 2.2 | 2.5 | 3 | 6	-	**F** 3	-	-	-
Open length (M)	Yes	Yes	Yes	Yes	Yes	Yes
Joined (V)	Yes (exc ATL)	Yes	Yes	Yes	Yes	Yes
PAZ/PAR	Yes	Yes	-	-	Yes (PAZ = White)	-
Backings	Yes	-	-	-	No	-
Food grade	On Request	-	Yes	-	On Request	-
Colour	White/Transparent	White Only	Blue Only	Red & White Only	White/Transparent	Black Only
Special colours	On Request	-	-	-	-	-
Special PU options	On Request	-	-	-	On Request	-
Special tension members	On Request	-	-	-	On Request	-
Mechanical belt processing	On Request	-	On Request	-	On Request	-
Special width options	On Request	On Request	On Request	On Request	On Request	On Request

Tooth Profiles



Versions



Truly Endless PU Belts Options

					
BRECOFLEX®	BRECOFLEX*move*®	CONTI® SYNCHROFLEX	CONTI® SYNCHROFLEX GEN III	CONTI® SYNCHROCHAIN	CONTI® SYNCHROCHAIN CARBON
AT 3 | 5 | 5-DL | 5-DR | 5-T 10 | 10-DL | 10-DR | 10-T 20	**AT** 8 | 10 | 15	**AT** 3 | 5 | 10 | 20	**AT** 3 | 5 | 10 | 20	-	-
ATS 15 | 15-DL	-	-	-	-	-
ATP 10 | 10-DL | 15 | 15-DL	-	**ATP** 10 | 15	**ATP** 10 | 15	-	-
-	-	-	-	-	-
T 5 | 5-DL | 5-DR 10 | 10-DL | 10-DR | 10-T 20 | 20-DL | 20-T	-	**T** 2 | 2.5 | 2.5-DL 5 | 5-DL 10 | 10-DL | 20 | 20-DL	-	-	-
T 1/5(XL) | 3/8(L) 1/2(H) | 1/2(H-DL) 1/2(H-DR) | 1/2(H-T) | 7/8(XH)	-	MXL	-	-	-
-	-	-	-	-	
-	-	-	-	C8M | C14M	C8M | C14M
-	-	**K** 1 | 1.5	-	-	-
ATK 5K6 10K6 | 10K6-DL | 10K6-DR	-	-	-	-	-
TK 5K6 10K6 | 10K13	-	-	-	-	-
BATK 10 | 15	-	-	-	-	-
SFAT 10 | 15 | 20	-	-	-	-	-
BAT 10 | 15	-	-	-	-	-
F2	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
Yes	-	-	-	-	-
Yes	-	-	-	-	-
On Request	-	-	-	-	-
White/ Transparent	Red & White Only	Natural	Red	Black & Yellow	Black & Yellow
On Request	-	-	-	-	-
Yes	-	-	-	-	-
Yes	-	-	-	-	-
Yes	-	-	-	-	-
On Request	On Request	On Request	On Request	On Request	On Request



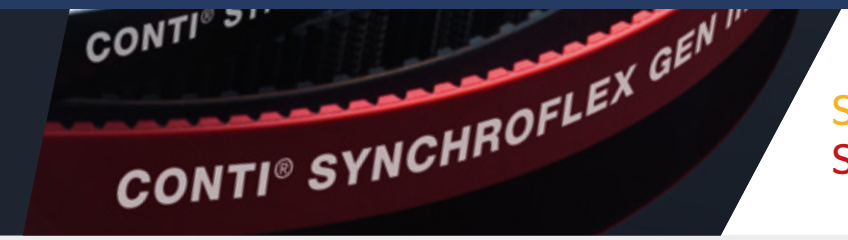






■ *Available with Open Length & Jointed options only*
■ *Available with Truly Endless options only*





SYNCHROFLEX®
SYNCHROFLEX® GEN III

ENGINEERING NEXT LEVEL

SYNCHROFLEX® belts have set a high quality benchmark for PU belts for over 50 years.

An introduction to ContiTech

ContiTech is a leading specialist for rubber and plastics technology. They develop and produce functional parts, components and systems for the automotive and other important industries. Their guiding principle is **'Engineeering Next Level'.**

As a driver and inspiration for new, cutting-edge technologies and an expert in materials and processes, ContiTech remain circumspect and considered as they take things to the Next Level – in every respect.

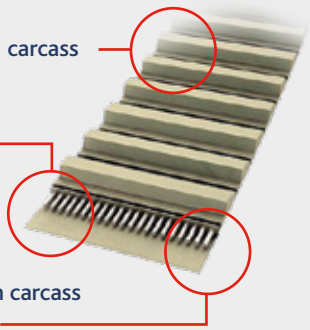
They keep a close eye on changes and trends in society and technology so that they can adapt appropriately to provide market-focused solutions for the benefit of their customers and of people around the world.

They are an innovation leader in natural rubber and plastic products and have a wealth of expertise in materials and processes, which they have gathered over the decades. They are quick to offer markets the solutions they need – whilst always aiming for the top in quality.



SYNCHROFLEX®

The SYNCHROFLEX® range of belts consists of only two components; a wear resistant Contilan carcass and high grade endless steel wire tension members. The excellent bond between the two results in a high flank load capacity, combined with low elastic elongation, making them unsurpassed for quality and accuracy. The manufacturing process produces close tolerance timing belts, to ensure optimum mesh in all power ranges. SYNCHROFLEX® belts have proved themselves in operation for more than 50 years.



SYNCHROFLEX® GEN III



Each generation is different. GEN III is better!

The combination of high tensile steel cord tension members and wear resistant polyurethane forms the basis for dimensionally stable and extremely durable high performance timing belts.

GEN III further develops the power drives of the AT and ATP range CONTI® SYNCHROFLEX belts.The new GEN III generation excels with a 25% increase in power transmission compared with the AT/ ATP standard. In addition it delivers added value for money, with all CONTI® SYNCHROFLEX GEN III belts supporting standard AT/ ATP pulleys.

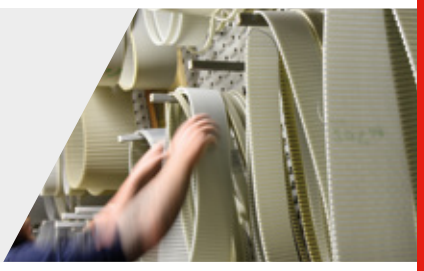
A bifilar tension member arrangement and a higher packing density enables this high-performance polyurethane belt to yield greatly improved benchmark results compared with the standard AT and ATP range. The increased strength allows line engineers to utilise a larger number of load-carrying teeth.

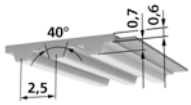
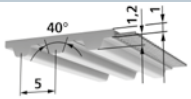
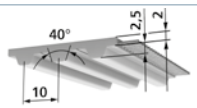
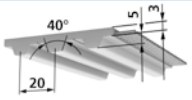
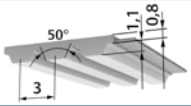
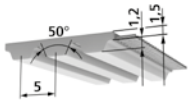
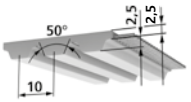
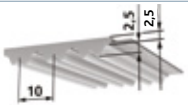
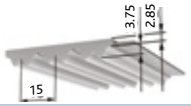
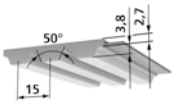
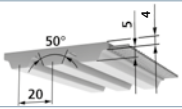


Polyurethane Timing, Conveying and Indexing Belts

Pre-defined lengths available ex stock

SYNCHROFLEX® timing belts are manufactured in a mould in pre-defined lengths. TransDev hold a large stock of all sizes of SYNCHROFLEX® timing belts, ready for cutting to required widths and immediate despatch.



Profile Types		Power range/RPM Speed	Applications
K1.5/MP (MXL) /T2/T2.5 (T2.5 dimensions shown)		0-0.5 kW 0-20000 rpm 0-80 m/s	Camera drives Control drives Precision drives
T5		0-5 kW 0-10000 rpm 0-80 m/s	Office equipment Kitchen equipment Tacho drives Machine tools
T10		0-30 kW 0-10000 rpm 0-60 m/s	Printing machinery Primary and auxiliary drives Machine tools
T20		0-100 kW 0-6500 rpm 0-40 m/s	Heavy construction drives Compressors Paper machinery
AT3		0-5 kW/0-6 kW* 0-20000 rpm 0-80 m/s	Office equipment Handling equipment Computer equipment
AT5		0-15kW/0-18 kW* 0-10000 rpm 0-80 m/s	Machine tools Pumps Textile machinery
AT10		0-70 kW/0-87 kW* 0-10000 rpm 0-60 m/s	Textile machinery Paper machinery Roll table drives
ATP10		0-100 kW/0-150 kW* 0-10000 rpm 0-60 m/s	Construction machinery Pumps Compressors
ATP15		0-200+ kW/0-220+ kW* 0-10000 rpm 0-50 m/s	Construction machinery Pumps Compressors
ATS15		0-160 kW 0-8000 rpm 0-48 m/s	Power drives Paper machinery High-bay storage Lifting equipment
AT20		0-200+ kW /0-250+ kW* 0-6500 rpm 0-40 m/s	Heavy textile machinery Printing plant Machine tools

* SYNCHROFLEX GEN III NOTE: Special timing belt designs allow the RPM and peripheral speed parameters to be increased.



BRECO®
Polyurethane belts

RELAX IT'S A BRECO® BELT

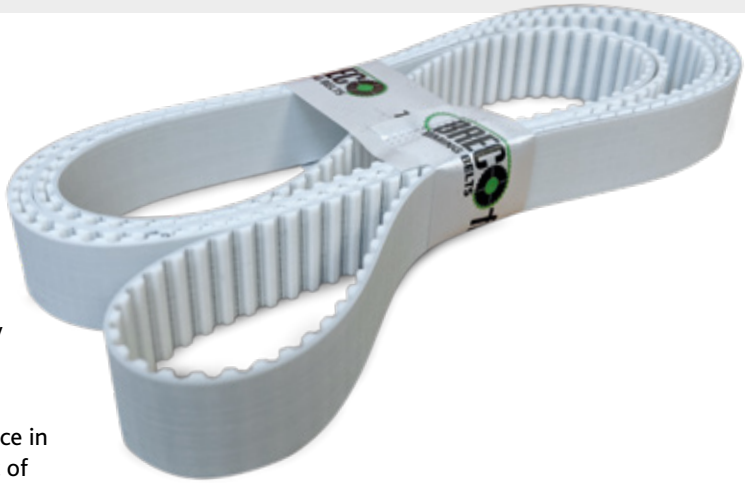
BRECO® Polyurethane belts are available in pitch length multiples to any desired length up to 100 metres.

An introduction to BRECO®

Driven by innovation is the principle that marks out BRECO® Antriebstechnik Breher GmbH & Co., manufacturer of BRECO® and BRECOFLEX® timing belts. They are the most innovative producer in the field of polyurethane timing belt technology worldwide.

The basis for a high-quality and reliable product is provided by wear resistant polyurethane for the belt body and high tensile steel cord tension members.

The name BRECO® has become the synonym for polyurethane timing belts, as a result of years of experience in the field of thermoplastic polyurethane, the development of BRECO® and BRECOFLEX® manufacturing processes and their further development. The BRECO® and BRECOFLEX® timing belts, the pulleys designed to match them perfectly and other components supplied by BRECO® reflect the breadth of experience gathered over decades by countless people who have used the products.







BRECO® & BRECOFLEX*move*®
A timing belt specifically designed for high-performance drives and traction drives, with a particularly high stiffness requirement.
SEE P155

BRECO*protect*®
A range of timing belts for the food industry, that include steel tension carriers that are fully embedded.
SEE P145

BRECO*classic*®
A limited range of economically priced alternatives to the standard BRECO® product range.
SEE P29

Polyurethane Timing, Conveying and Indexing Belts

BRECO® TIMING BELTS

BRECOflex® TIMING BELTS

Learn more...

Visit transdev.co.uk
to download a brochure



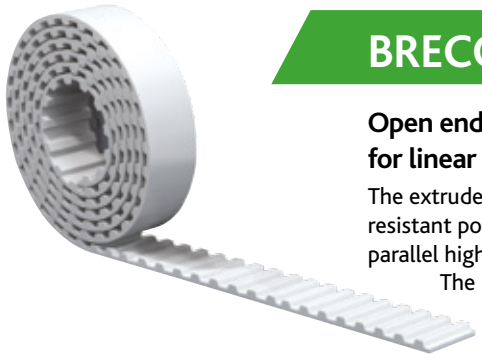


BRECOFLEX®

Endless polyurethane belts are ideal for all power transmission applications where non-standard belt lengths are required.

Pairs of helically wound, continuous Steel tension members mean that BRECOFLEX® timing belts do not feature a join of any kind. BRECOFLEX® timing belts use an innovative production technique allowing the extruded belt to be manufactured to almost any truly endless belt size.

Although there is a standard range of BRECOFLEX® belts, their true strength is in their ability to be manufactured to a specific required length and to special order. Small minimum quantities may apply depending on the length and width required, without detriment to delivery time.

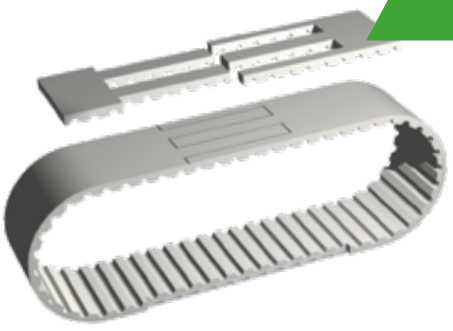


BRECO® M

Open ended polyurethane timing belts are used extensively for linear drives, replacing more expensive mechanical alternatives.

The extruded lengths comprise a wear resistant polyurethane toothform encasing parallel high strength steel tension cords. The reels are extruded in lengths of 50m or 100m, although special lengths and matched pairs can be made to order.

Shorter lengths can be cut to order from these reels, although minimum quantities may apply depending on the length and width required.



BRECO® V

Joined timing belts are the ultimate in timing belt versatility.

These joined belts are manufactured from lengths of Breco® M and can be used for conveying and indexing applications where long centre distances or non-standard lengths are required on a fast delivery schedule. A wide range of welded profiles and belt backings can be applied to Breco® V belts to transform them into highly specialised products.

Breco® M are cropped with interlocking fingers at each end, then joined in a heat welder to provide any length of timing belt, subject to minimum length required to wrap the belt around a heat welding jig. Minimum quantities may apply depending on the length and width required.

BRECO® Products and Performance

AT3	
Power transmission	≤ 5 kW
Rotational speed	Approx. 20.000 min^{-1}
Peripheral speed	Approx. 80 ms^{-1}
Synchronous pulley	From z=15
Application examples	Small power drives, Handling technology

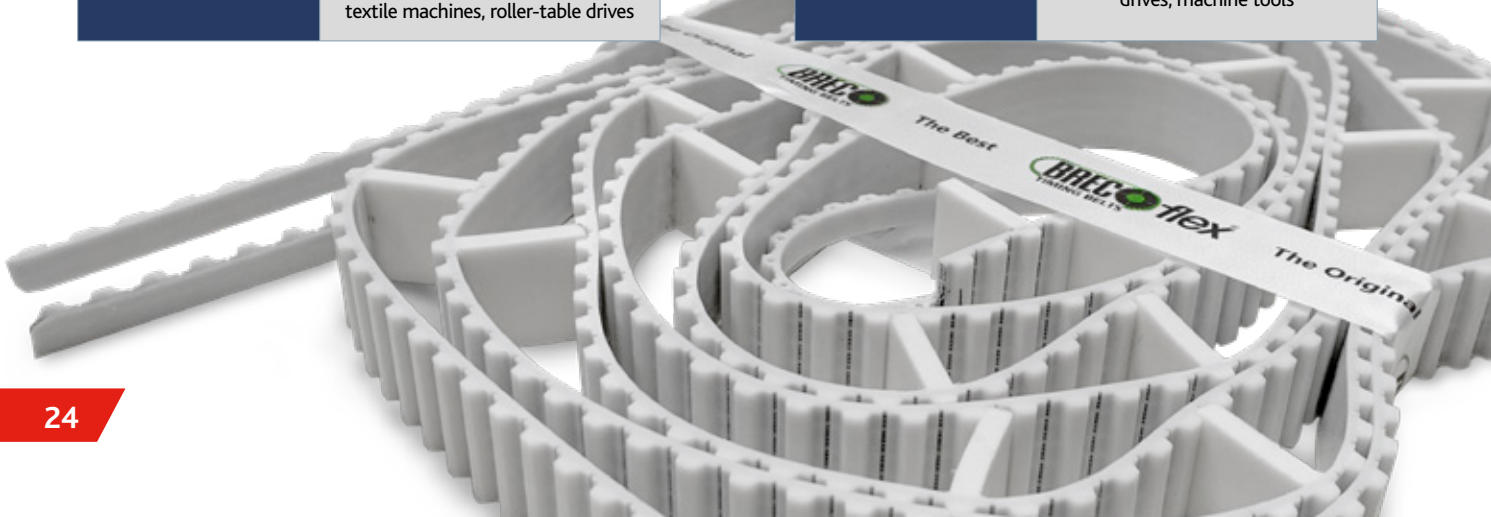
ATS15	
Power transmission	≤ 160 kW
Rotational speed	Approx. 8.000 min^{-1}
Peripheral speed	Approx. 48 ms^{-1}
Synchronous pulley	From z=25
Application examples	Power drives, paper-making machines, high-bay storage, lifting equipment

AT5, ATK 5K	
Power transmission	≤ 15 kW
Rotational speed	Approx. 10.000 min^{-1}
Peripheral speed	Approx. 80 ms^{-1}
Synchronous pulley	From z=15
Application examples	Machine tools, pumps, textile machinery

BAT15, BATK15	
Power transmission	≤ 140 kW
Rotational speed	Approx. 8.000 min^{-1}
Peripheral speed	Approx. 48 ms^{-1}
Synchronous pulley	From z=20
Application examples	Power drives, pumps, grinding machine

AT10, BAT10, BATK10, SFAT10, ATK10K	
Power transmission	≤ 70 kW
Rotational speed	Approx. 10.000 min^{-1}
Peripheral speed	Approx. 60 ms^{-1}
Synchronous pulley	From z=15
Application examples	Construction machines, pumps, paper-making machines, compressors, textile machines, roller-table drives

ATP10	
Power transmission	≤ 100 kW
Rotational speed	Approx. 10.000 min^{-1}
Peripheral speed	Approx. 60 ms^{-1}
Synchronous pulley	From z=15
Application examples	Sanding machinery, power drives, machine tools



BRECO® Products and Performance

BRECO TIMING BELTS

BRECOflex TIMING BELTS

SFAT15	
Power transmission	≤ 135 kW
Rotational speed	Approx. 8.000 min^{-1}
Peripheral speed	Approx. 48 ms^{-1}
Synchronous pulley	From z=20
Application examples	Construction machines, pumps, paper-making machines, compressors

ATP15	
Power transmission	Possible beyond 200 kW
Rotational speed	Approx. 10.000 min^{-1}
Peripheral speed	Approx. 50 ms^{-1}
Synchronous pulley	From z=20
Application examples	Power drives, machine tools

AT20, SFAT20	
Power transmission	Possible beyond 200 kW
Rotational speed	Approx. 6.500 min^{-1}
Peripheral speed	Approx. 40 ms^{-1}
Synchronous pulley	From z=18
Application examples	Heavy-duty drives, textile machinery, printing machinery, machine tools

T10, T3/8" (L), T1/2" (H), ATK1/2" K	
Power transmission	≤ 30 kW
Rotational speed	Approx. 10.000 min^{-1}
Peripheral speed	Approx. 60 ms^{-1}
Synchronous pulley	From z=12
Application examples	Machine tools, main and subsidiary drives, textile machines, printing machinery

T5, T1/5" (XL)	
Power transmission	≤ 5 kW
Rotational speed	Approx. 10.000 min^{-1}
Peripheral speed	Approx. 80 ms^{-1}
Synchronous pulley	From z=10
Application examples	Office machinery, do-It-yourself units, positioning and regulating drives

T20, T7/8" (XH)	
Power transmission	Up to approx. 100 kW
Rotational speed	Approx. 6.500 min^{-1}
Peripheral speed	Approx. 40 ms^{-1}
Synchronous pulley	From z=15
Application examples	Heavy construction machinery, paper machinery, pumps, compressors, textile machinery

Note: Special timing belt designs allow the RPM and peripheral speed parameters to be increased.



BRECO® Available Versions

BRECO® TIMING BELTS BRECOflex® TIMING BELTS

Standard Version - single-sided



Standard Version

- Combined construction of wear resistant polyurethane and high tensile steel cord tension members.
- Universally applicable for all tasks in drive and conveying technology.
- **Ordering code not required**

Standard Version, double-sided



Version DL

- Combined construction of wear resistant polyurethane and high tensile steel cord tension members.
- Full loadability on both tooth sides.
- Universally applicable for all tasks in drive and conveying technology.
- **Ordering code: DL**

Standard Version - reinforced belt back



Version DR

- Same as the Standard Version but with a thicker belt back.
- **Ordering code: Version DR**

Standard version with transport coating



Version T

- Same as the Standard Version but with a transport coating extruded on the belt back
- Coating thickness: 1.5mm (T5) 2mm (T10, T20, AT10 AT20, and Imperial timing belts)
- Universally applicable for all tasks in conveying technology.
- **Ordering code: Version T**

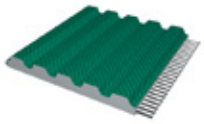
Classic Version



Classic

- Combined construction of wear resistant polyurethane and high tensile steel cord tension members.
- Universally applicable for all tasks in drive and conveying technology.
- **Ordering code: CLA**

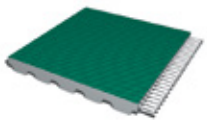
Nylon tooth facing



Version PAZ

- Belt base corresponds to Standard Version.
- Additional nylon tooth facing causes lower friction coefficient, lightens tooth mesh in the pulley reducing noise.
- Transport belts on bed plates run easier and are wear resistant.
- **Ordering code: PAZ**

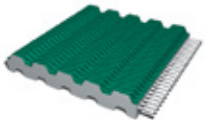
Nylon facing on the back of the belt



Version PAR

- Belt base corresponds to Standard Version.
- Additional nylon tooth facing causes lower friction coefficient
- Application area in the conveying technology
- **Ordering code: PAR**
  PAZ-PAR (both sides coated)

Nylon facing on double-sided belts



Version DL-PAZ

- Belt base corresponds to double-sided Standard Version
- Additional nylon tooth facing causes lower friction coefficient, lightens tooth mesh in the pulley reducing noise.
- Transport belts on bed plates run easier and are wear resistant.
- **Ordering code: DL-PAZ**
  (coating only possible on inner side)

For hygiene



Version BRECO*protect*®

For high performance



Version BRECO*move*®, BRECOFLEX*move*®

BRECO® Available Materials

BRECO TIMING BELTS BRECOflex TIMING BELTS

Materials for standard application areas

Material	Selectable tension member	Timing belt types	Colour	Hardness	Temperature range
TPUST1	Steel cord Stainless Steel cord	All standard types, not for BRECOFLEX® belts up to 720mm	White	92 Shore A	0°C up to +80°C
TPUST2	Steel cord Stainless Steel cord	All standard types, not for BRECOFLEX® belts up to 720mm	Transparent	85 Shore A	+5°C up to +50°C
TPUST3	Steel cord Stainless Steel cord	BRECOFLEX® belts up to 720mm	Transparent	92 Shore A	0°C up to +80°C
TPUCLA	Steel cord	BRECO*classic*® belts only	White	92 Shore A	0°C up to +80°C
TPUST1 (Laminated)	Steel cord	BRECO*move*®/ BRECOFLEX*move*® belts only	Red/White	92 Shore A	0°C up to +80°C

Approved materials for contact with food

Material	Selectable tension member	Timing belt types	Colour	Hardness	Temperature range
TPUFD1	Stainless Steel cord	All standard types	Transparent	92 Shore A	0°C up to +80°C
TPUAU1	Embedded Steel cord	BRECO*protect*® belts only	Blue	92 Shore A	0°C up to +50°C

Materials for use in areas with a low aggressive environment

Material	Selectable tension member	Timing belt types	Colour	Hardness	Temperature range
TPUAU1	Stainless Steel cord	All standard types, not for BRECOFLEX® belts up to 720mm	Transparent	92 Shore A	0°C up to +50°C

Materials for use in areas with high ambient temperature

Material	Selectable tension member	Timing belt types	Colour	Hardness	Temperature range
TPUWB2	Steel cord Stainless Steel cord	All standard types, not for BRECOFLEX® belts up to 720mm	White	94 Shore A	+20°C up to +110°C

Materials for use in areas with low ambient temperature

Material	Selectable tension member	Timing belt types	Colour	Hardness	Temperature range
TPUKF1	Steel cord Stainless Steel cord	All standard types, not for BRECOFLEX® belts up to 720mm	Transparent	85 Shore A	-25°C up to +5°C

Materials with electrical discharge properties

Material	Selectable tension member	Timing belt types	Colour	Hardness	Temperature range
TPUAS1	Steel cord Stainless Steel cord	All standard types, not for BRECOFLEX® belts up to 720mm	Grey-transparent	92 Shore A	0°C up to +80°C

For further information about the resistance of polyurethane timing belts and available belt materials as well as alternative tension member materials please contact our sales department.

The E Steel Cord Tension Member

Highly flexible tension inserts - the E Steel cord tension member

The thinner the single wire, the more flexible the overall tension member! This interrelation led BRECO® to develop BRECO® and BRECOFLEX® timing belts with E tension members.

In the E tension member the cord cross-section is distributed to a greater number of thinner individual wires and, therefore, the bending fatigues are markedly lower. The major advantage of the E tension members is higher flexibility.

This is especially important, when smaller mounting dimensions for pulleys and tension rollers are required. The minimum number of teeth and/or minimum diameter of the pulleys can be up to 30% less, compared with standard tension members.

Timing belts with E tension members are recommended for multi-shaft drives with frequent bends.

Application information: For intended application under extreme conditions please contact our Technical Department for advice.

Steel cord tension members example:



Standard tension member



'E' tension member

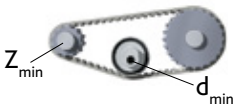
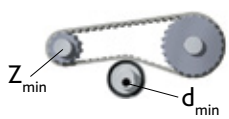
The thinner the individual wire the more flexible the whole timing belt.

Summary

- Thinner individual wires in the Steel cord
- Higher dynamic capabilities
- Extremely high bonding and bending fatigue strength
- Smaller pulley and tension roller diameter
- No correction of the synchronising pulleys are necessary

Available versions

- For the pitches AT3 (as standard), AT5, AT10, ATP10, T5, T10, T20 (option)

Type Drive	Value	T5	T10	T20	AT3	AT5	AT10	ATP10
 (smooth)	Pulley zmin	10	12	15	15	12	12	12
	Idler dmin (mm)	18	50	80	20	18	50	50
	Pulley zmin	15	15	20	20	20	20	20
	Idler dmin (mm)	18	50	120	20	50	80	80

BRECO*classic*® Timing Belts

With the BRECOclassic® range of products BRECO offer a more limited range of economically priced alternatives to their standard product range.

The BRECO*classic*® product range is comprised of several pitches in the T-, AT-, and Imperial series. They are available as both joined products and open length goods. HTD models are also available. All these products have one thing in common; they are made of a cost-efficient white polyurethane with a Shore hardness of 92 A (TPUCLA) and they feature tension members whose design is optimally adapted to the BRECO*classic*®.



The alternative standard BRECO*classic*® timing belts;

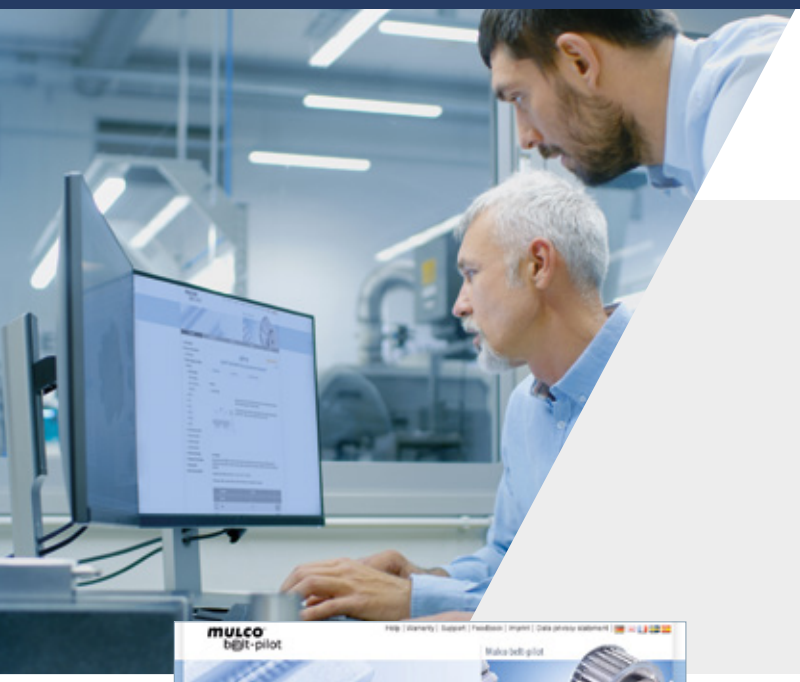
- Material: TPUCLA and standard tension members STA-CL
- Selection of different tooth profiles and pitches
- The low-cost, white alternative for simple tasks in transport and linear technology
- Favourable prices due to standardised production
- Variety due to a selection of coatings, mechanical rework options and weld-on profiles

BRECO*classic*® Open length

Type / pitch	Material TPU (white)	Steel tension member	Standard Version	PAZ	PAZ-PAR	Mech. machining	Coatings	Weld-on profiles
AT3 CLA	TPUCLA	STA-CL 0,3	x	ox	ox	o	o	o
AT5 CLA	TPUCLA	STA-CL 0,5	x	ox	ox	o	o	o
AT10 CLA	TPUCLA	STA-CL 0,9	x	ox	ox	o	o	o
AT20 CLA	TPUCLA	STA-CL 1,2	x	ox	ox	o	o	o
ATK5K6 CLA	TPUCLA	STA-CL 0,5	x	ox	ox	o	o	o
ATK10K6 CLA	TPUCLA	STA-CL 0,9	x	ox	ox	o	o	o
ATK10K13 CLA	TPUCLA	STA-CL 0,9	x	ox	ox	o	o	o
ATK20K13 CLA	TPUCLA	STA-CL 1,2	x	ox	ox	o	o	o
TK5K6 CLA	TPUCLA	STA-CL 0,5	x	ox	ox	o	o	o
TK10K6 CLA	TPUCLA	STA-CL 0,6	x	ox	ox	o	o	o
TK10K13 CLA	TPUCLA	STA-CL 0,6	x	ox	ox	o	o	o
TK1/2"K13 CLA	TPUCLA	STA-CL 0,6	x	ox	ox	o	o	o
T5 CLA	TPUCLA	STA-CL 0,3	x	ox	ox	o	o	o
T10 CLA	TPUCLA	STA-CL 0,6	x	ox	ox	o	o	o
T20 CLA	TPUCLA	STA-CL 0,9	x	ox	ox	o	o	o
T1/2" CLA	TPUCLA	STA-CL 0,6	x	ox	ox	o	o	o
HTD5 CLA	TPUCLA	STA-CL 0,5	x	ox	ox	o	o	o
HTD8 CLA	TPUCLA	STA-CL 0,9	x	ox	ox	o	o	o

x = Standard, without minimum purchase ox = Optional, without minimum purchase o = Optional, with minimum purchase or surcharge

DESIGN PROGRAMS
For PU & Rubber Belt Drives

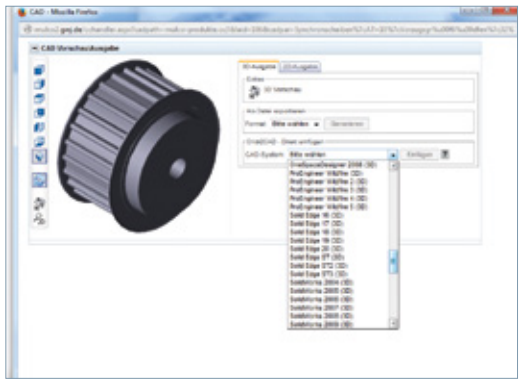


MULCO® Belt Pilot

mulco belt-pilot

The Mulco belt pilot, our product catalogue with CAD download and calculation program, enables you to configure your personal design solutions online and download CAD models free of charge. Determine the number of teeth, plan the width of the belts or calculate the diameter of the pulleys – with our extensive range of products and versatile calculation options, you will find a suitable solution for your polyurethane timing belt drive.





Select a timing belt

You can call up all the product information that you need for the configuration of your timing belt drive in the online product catalogue. Select the desired power transmission, linear drive or conveyor technology solution. Using the dimensions and other specifications you will quickly find a suitable timing belt.

Download a CAD model

The powerful CAD tool offers 2D and 3D imaging from different perspectives and allows the drawing models to be imported into your own CAD system.

Calculate your timing belt drive configurations

Mulco belt pilot helps you correctly configure all the drive elements right from the start. You can arrange, move, copy and insert pulleys and tensioning elements. The calculation tool is suitable for multiple shaft power transmissions, open or enclosed lifting drives, linear trolleys and linear slides.

Request a quotation

Requesting a quotation only takes a few steps. Place the timing belts and accessory parts into the enquiry basket by clicking on the basket symbol. It is not necessary to enter the technical data using the keyboard. Click on the button "Send enquiry" to submit your enquiry basket.

Mulco Belt Pilot is available free of charge via our web site www.transdev.co.uk all you have to do is register.

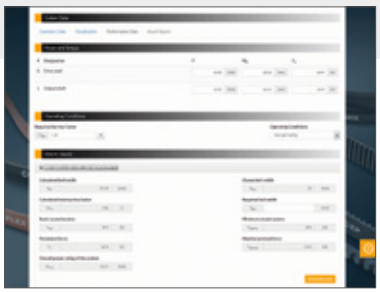
Support is one click away

You can contact TransDev using the "Support" link. Please do not hesitate to contact us if you have any questions regarding the configuration of your timing belt drive or cannot find a suitable design version.

CONTI® Professional



The CONTI® PROFESSIONAL software package replaces the popular CONTI® SUITE and enables specialists in trade and industry to determine the optimum ContiTech drive belt design. Conti Professional was launched in 2016. It is a web-based application that can be accessed via a browser. Users do not need to install it on their own computers and manage updates – as was the case with the earlier Conti Suite software.





The software's parameter-smart functional algorithm always ensures the greatest possible belt selection efficiency. ContiTech has developed the DRIVE ALIVE module for uncomplicated optimum design of drives involving more than two pulleys and tensioning systems. The multi-pulley module takes into account the load of a belt operating with multiple pulleys.

With the software it is possible to infinitely modify and adapt certain drive parameters. In this way alternative solutions and requirements can be tested and checked out promptly. The software is logically structured and processes data input directly so that changes can be made directly in the drive system without the need for fresh calculations. The software covers all positive and non-positive elastomer drive components.

After a one-off registration, customers can make use of the full familiar functionality in the new software, too. Different functionalities, familiar from the Transmission Designer and Drive Alive elements of Conti Suite, are merged into one application. This makes it even easier and more efficient. Other advantages are that the required number of pulleys can be selected, ranging from 2 to 20, and, once designed, projects are stored in the software. This means users can access their stored data at any time.

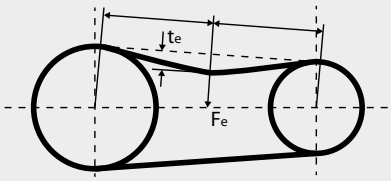
The use of Conti Professional is free of charge and commercial customers can register for the new software by visiting: www.conti-professional.com

V belt centre distance calculator

This is a simple program for calculating centre distance for a two pulley V belt or Poly V belt drive, when the pulley diameters and belt length are known. Alternatively when the centre distance is known it will calculate the belt length.

V Belt Tension gauge

Measurement of the belt tension is facilited by appropriate gauges, e.g. the V belt Tension Gauge. This gauge is used to measure the belt deflection that is driven from the calculated axle load F.



F_e = Test force (N) $t_e = \frac{\text{Deflection}}{\text{Span Length}} \times 100$

To determine values for Fe and te please use the "Transmission Developments" software described above. Alternatively e-mail sales@transdev.co.uk with drive details.

V Belt length gauge

A simple way of determining the length of a V belt is to use a Length Gauge. This comprises two semicircular V belt supports, one of which can slide along a measuring scale.



TSM5 and TSM5-F tension meter

The TSM5 is a pocket size belt tension meter which measures the static tension of all common toothed, Vee, flat and multi-rib belts.



TSM5-F

Specification

- **Frequency range: from 7Hz to 400Hz Accuracy: +/-5%**
- **Supplied with long-life 9V alkaline battery, protective leatherette case and transport case with instructions**
- **CE marked**



TSM 5

Setting the correct static tension (pretension Fpt) influences the working life, bearing loads, noise levels and positioning accuracy of the belt. The value Fpt can be determined by calculation where the peripheral force is known, or empirically where the torque value is unknown. Generally the ideal pretension level is that which gives least vibration of the unloaded belt span when in operation.

The tension meter is designed to measure the static tension of a belt, by determining the natural frequency of vibration of the belt under tension.

Operating instructions

- On a static drive, gently tap the belt between two fixed points using a finger or a small screwdriver
- Simultaneously hold the sensor head a few millimetres from the belt and press the red button
- The display will show the frequency of vibration in Hertz (Hz)
- To repeat the reading, release the button and repeat the process
- It is recommended that several readings are taken to obtain an average value in order to eliminate possible errors due to harmonic interference frequencies.

Antistatic Conductivity Meter

Polyurethane timing belts can generate substantial static charges during normal use, which can be dissipated by means of a TransDev antistatic coating and tested by means of a TransDev Antistatic Conductivity Meter.

Dielectric materials are by definition poor conductors of electricity. When such materials are separated after contact with either a conducting material or another insulating material, a static electric charge can be produced by the capacitance effect, which can lead to sparking or crackling. This effect can also occur with belts which are insulating when they run on metal pulleys. The electric discharges which result can cause the following problems:

- **Interference with electronic equipment**
- **Risk of ignition or explosion of flammable materials**
- **Risk of shocks to the operator from the high voltages which can be generated**

TransDev is able to supply you with an Antistatic Conductivity Meter. This pocket sized conductivity meter measures the conductivity on an antistatic coated belt.

The meter uses correctly spaced contact probes to 'A.S.T.M.' standard D-257 for sensing its measurements, with an accuracy of half decade. It is operated by a 9 volt battery, providing 40 hours of testing time.

The meter measures surface conductivity by simply placing the instrument on the surface of the coated belt to be checked and pressing the green test button. The appropriate L.E.D. will illuminate from 10^{10} Ohms per square. To measure surface conductivity over an unspecified distance insert the earth lead into the earth socket. This isolates the test probe on the right side of the monitor. Attach the crocodile clip to the antistatic coated belt and place the monitor on the belt surface at the required position, press and hold the test button. The L.E.D. that illuminates constantly indicates the decade measured.



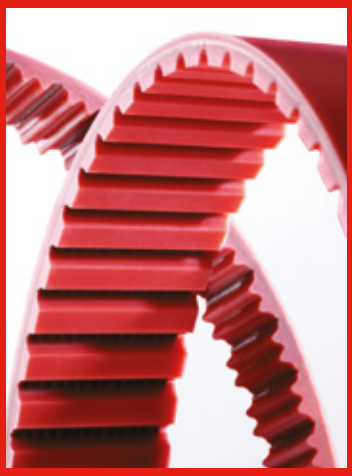
The British Standard BS2050 (1978) and DIN 22104 are the recognised specifications which cover the test procedures and accepted levels for rubber and polyurethane timing belts relating to antistatic properties. The maximum surface resistance for BS2050 5x10 x 1 (8*b) Ohms and for DIN EN 3 x 10 Ohms.

Continental

BRECO TIMING BELTS

BRECOflex TIMING BELTS

AT Series Timing Belts

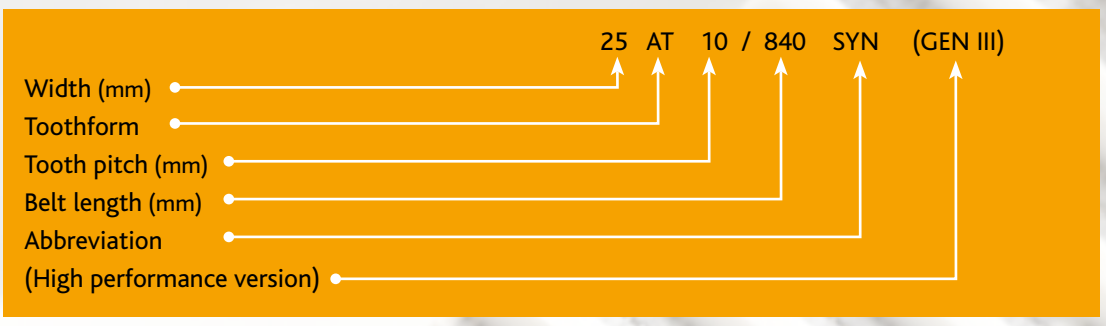


- HIGHER BELT LIFE
- OPTIMISED TRACKING
- REDUCED NOISE
- TEMPERATURE RANGE INCREASED TO 100°C
- RUNS ON STANDARD AT/ATP TIMING PULLEYS

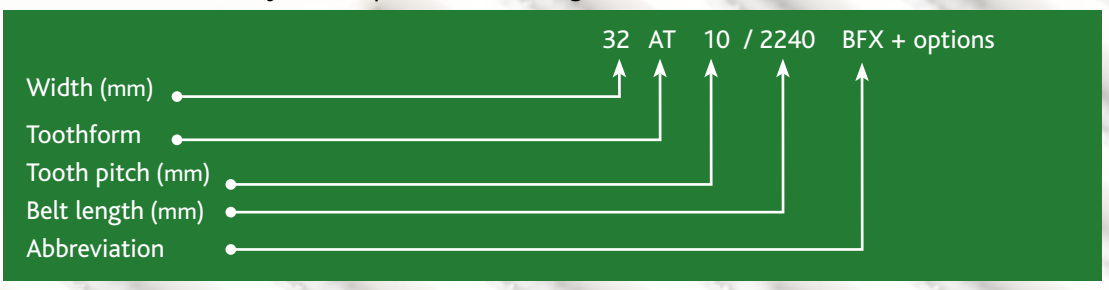
AT Series Timing Belt Order Examples

Four standard types

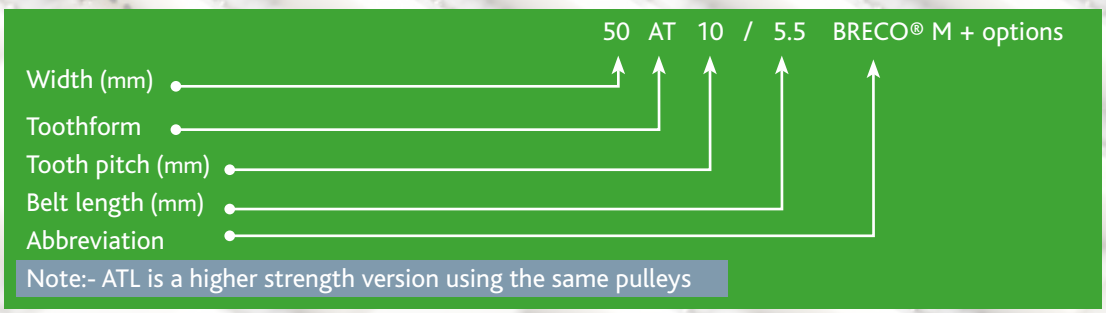
SYNCHROFLEX® AT truly endless power drive belting from stock.



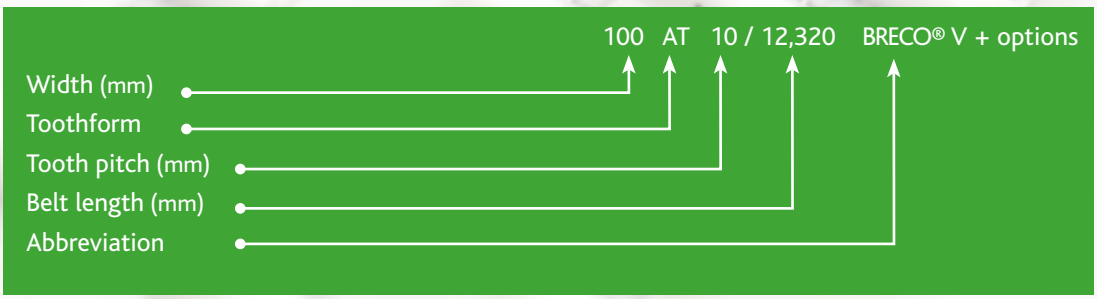
BRECOFLEX® AT truly endless power drive belting made to order.



BRECO® M AT open length linear drive belting from stock.



BRECO® V AT joined conveyor belting from stock.



For other options, double sided, backings, cord types, flighted belts, self tracking, etc. contact sales@transdev.co.uk

Additional Belt Options

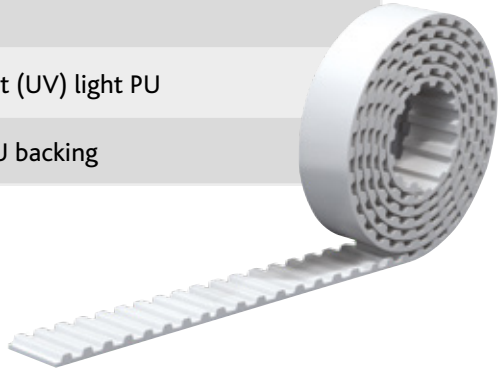
Available options in SYNCHROFLEX® truly endless belts

DL	Double sided belt, (for serpentine drives)
E	Flexible steel tension cords, (Smaller pulleys or serpentine drives)
KEV	Aramid tension cords, (Non-magnetic or food use)
GEN III	Higher performance AT Profile belts
9080	Low operating temperature PU -35°C to 80°C (not in all sizes)

Available options in BRECOFLEX® truly endless, BRECO® M Open length & BRECO® V joined belts.

DL	Double sided belt, (for serpentine drives)
PAZ	Low friction green fabric tooth covering, (Quiet running)
PAR	Low friction green fabric back covering, (Accumulating conveyor)
KEV	Aramid tension cords, (Non-magnetic or food use)
ST ST	Stainless Steel tension cords, (Food or under water use)
E	Flexible steel tension cords, (smaller pulleys or serpentine drives)
DR	Thicker Polyurethane (PU) backing, 92 shore A (Wear resistant conveying)
FD1	Food or medical grade PU (Use Aramid or Stainless Steel cords)
KF1	Low operating temperature PU -25°C to+5°C
WB1	High operating temperature PU +20°C TO 110°C
AS1	Antistatic PU
UV	Higher resistance to Ultra Violet (UV) light PU
T	2mm thick 85 Shore A, PU backing

- Other options may be available on request
- Some options can be combined; please ask
- Minimum order quantities may apply

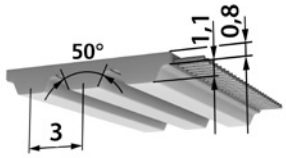


AT3 Standard & GEN III SYNCHROFLEX®

Continental

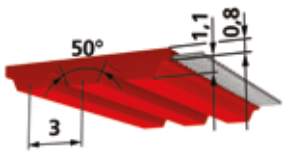
Polyurethane, steel reinforced, cast truly endless - High Power AT Profile in metric pitch with trapezoidal toothform.

Standard



AT3

GEN III



AT3

CONTI SYNCHROFLEX® timing belt AT3

Available version:

- Single-sided
- With E tension member for greater flexibility
- With Reinforced design
- With Aramid tension member upon request
- Polyurethane special materials upon request
- Antistatic, coloured, mechanical reworked

CONTI SYNCHROFLEX® timing belt AT3 GEN III

Standard version:

- Single-sided
- High performance polyurethane in red colour
- Steel cord tension members with high density
- Steel cord tension members in two filament, highly flexible construction
- 25% more power than standard AT

Standard stock lengths (mm)/Number of teeth

Length	No. teeth	Standard	GEN III
150	50	✓	✓
153	51	✓	✓
201	67	✓	✓
252	84	✓	✓
267	89	✓	✓
270	90	✓	✓
300	100	✓	✓
351	117	✓	✓

Length	No. teeth	Standard	GEN III
399	133	✓	✓
417	139	✓	✓
450	150	✓	✓
486 FA	162	–	O
501	167	✓	✓
549	183	✓	✓
600	200	✓	✓
639	213	✓	✓

Length	No. teeth	Standard	GEN III
648	216	✓	✓
714	238	✓	✓
816	272	✓	✓
816 FA	272	O	O
900	300	✓	✓
1011	337	✓	✓

Preferred belt width in mm: 6, 10, 16, 25, 32 – Other dimensions on request
FA: with bigger back thickness

✓ Available O Available on request – Unavailable

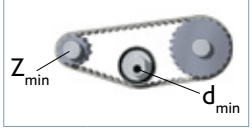
Technical Specification

Standard (belt widths)	b (mm)	6	10	16	25	32
Tension member loadings	(N)	190	380	646	1102	1406
Belt weight	kg/m	0.014	0.023	0.037	0.058	0.074

GEN III (belt widths)	b (mm)	6	10	16	25	32
Tension member loadings	(N)	330	599	1002	1608	2079
Belt weight	kg/m	0.016	0.026	0.042	0.065	0.083

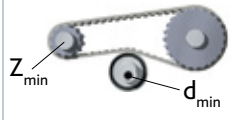
Drive Type A

Type A	AT3	GEN III
Z_{min}	15	15
d_{min}	20	20



Drive Type B

Type B	AT3	GEN III
Z_{min}	20	20
d_{min}	20	20



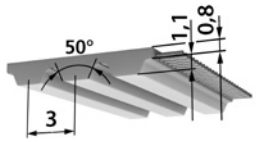
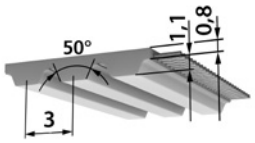
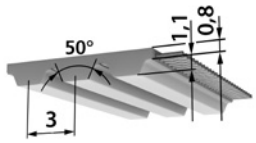
Z_{min} = Minimum number of teeth. d_{min} = Minimum diameter (mm)

AT3 BRECOFLEX® & BRECO® (M) & (V)

BRECO TIMING BELTS | BRECOflex TIMING BELTS

34 | 334 | 20% EXTRA POWER

Polyurethane, steel reinforced - High Power AT Profile in metric pitch with trapezoidal toothform.

Standard	Standard	Classic
		
AT3 BFX	AT3	AT3

For Classic details & options see page 29

AT3 BRECOFLEX®

Available versions for AT3:

- AT3: single sided
- Special polyurethane upon request
- Antistatic, coloured, machined, ground and punched belts
- Backings

Belt widths (mm) – Intermediate belt widths on request				
6	10	16	25	32

AT3 BFX	Available lengths & versions
Preferred lengths	720 up to 1710
Minimum purchase amount	1 sleeve, 100mm wide
Any number of teeth available from	720mm up to 1,710mm
E tension member (standard)	x
Stainless Steel tension	o
PAZ	x

AT 3 - BRECOFLEX® Preferred Lengths (mm)				
720	819	918	1017	1116
1215	1314	1413	1512	1611
1710				

AT 3 – Allowable tensile load						
Belt width	b (mm)	6	10	16	25	32
Tension member loadings F_{adm}(N)	BFX/M	190	380	645	1100	1400
	V	90	180	285	500	632
Belt weight	kg/m	0.014	0.023	0.037	0.058	0.074

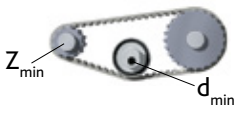
BRECO® Open length (M) & joined (V)

AT3 (M/V)	Available lengths & versions
Standard delivery lengths (M)	Rolls of 50 or 100m
Cut to length/lengths > 100m	On request
Minimum length joined (v)	480mm
Standard material	TPUST1[1)]
Standard tension member	-
E tension member (standard)	x
Stainless Steel tension member	o
PAZ	x
DL/DL-PAZ	-
T/T-PAZ	-
T/T-PAZ	-

x Available, minimum purchase amounts may apply
o Minimum purchase amount on request
- Not available
1) Further materials on request

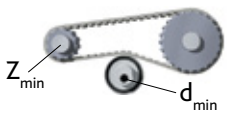
Drive Type A

Type A	AT3 (BFX)	AT3 (M/V)
Z_{min}	15	15
d_{min}	20	30 (20)



Drive Type B

Type B	AT3 (BFX)	AT3 (M/V)
Z_{min}	20	25 (20)
d_{min}	20	30 (20)



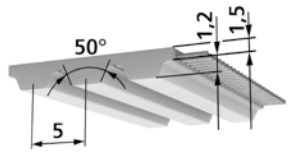
Z_{min} = Minimum number of teeth. d_{min} = Minimum diameter (mm)

Values in brackets apply to joined timing belts.

AT5 Standard & GEN III SYNCHROFLEX®

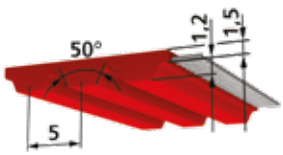
Polyurethane, steel reinforced, cast truly endless - High Power AT Profile in metric pitch with trapezoidal tooth form.

Standard



AT5

GEN III



AT5

CONTI SYNCHROFLEX® timing belt AT5

Available versions:

- Single-sided
- With E tension member for better flexibility
- With reinforced design upon request
- With Aramid tension member upon request
- Polyurethane special materials upon request
- Antistatic, coloured, mechanical reworked

CONTI SYNCHROFLEX® timing belt AT5 GEN III

Standard version:

- Single-sided red
- High performance composite PU
- Steel cord tension members with high density two filament construction
- 25% more power than standard AT

Standard stock lengths (mm)/Number of teeth

Length	No. teeth	Standard	GEN III
195	39	✓	✓
225	45	✓	✓
255	51	✓	✓
260	52	✓	✓
280	56	✓	✓
300	60	✓	✓
330	66	✓	✓
340	68	✓	✓
375	75	✓	✓
390	78	✓	✓
420	84	✓	✓
450	90	✓	✓
455	91	✓	✓
480	96	✓	✓
490	98	✓	✓

Length	No. teeth	Standard	GEN III
500	100	✓	✓
525	105	✓	✓
545	109	✓	✓
545 FA	109	✓	✓
600	120	✓	✓
610	122	✓	✓
620	124	✓	✓
630	126	✓	✓
660	132	✓	✓
670	134	✓	✓
690	138	✓	✓
710	142	✓	✓
720	144	✓	✓
750	150	✓	✓
780	156	✓	✓

Length	No. teeth	Standard	GEN III
825	165	✓	✓
860	172	✓	✓
875	175	✓	✓
900	180	✓	✓
920	184	✓	✓
975	195	✓	✓
1050	210	✓	✓
1125	225	✓	✓
1230	246	✓	✓
1500	300	✓	✓
1750	350	✓	✓
2000	400	✓	✓
3800	760	✓	✓

Preferred belt width in mm: 6, 10, 16, 25, 32, 50, 75, 100. Other dimensions on request. ✓ Available **FA**: with bigger back thickness

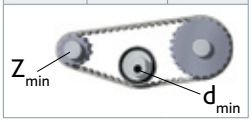
Technical Specification

Standard (belt widths)	b (mm)	6	10	16	25	32	50	75	100
Tension member loadings	F_{adm} (N)	350	700	1260	2030	2660	4200	6370	8610
Belt weight	kg/m	0,020	0,034	0,054	0,085	0,109	0,170	0,255	0,340

GEN III (belt widths)	b (mm)	6	10	16	25	32	50	75	100
Tension member loadings	F_{adm} (N)	417	787	1342	2175	2823	4489	6803	9117
Belt weight	kg/m	0,022	0,036	0,058	0,090	0,115	0,180	0,270	0,360

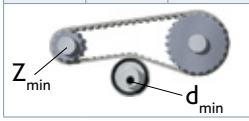
Drive Type A

Type A	AT5	GEN III
Z_{min}	15	15
d_{min}	25	25



Drive Type B

Type B	AT5	GEN III
Z_{min}	20	20
d_{min}	60	60



Z_{min} = Minimum number of teeth. d_{min} = Minimum diameter (mm)

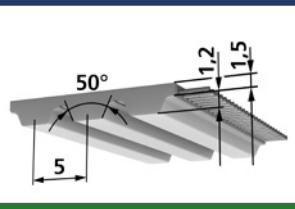
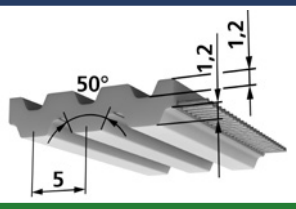
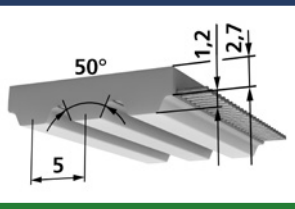
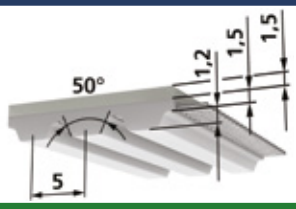
AT5 BRECOFLEX®

BRECOflex TIMING BELTS

34 335

20% EXTRA POWER

Polyurethane, steel reinforced, extruded truly endless - High Power AT Profile in metric pitch with trapezoidal tooth form.

Standard	Double-sided	Reinforced back of the belt	Version T
			
AT5	AT5 - DL	AT5 - DR	AT5 - T

Available endless lengths for AT5/AT5-DL/AT5-DR/AT5-T

- For preferred lengths refer to table
- Belts under 1,100mm with PAZ nylon tooth facing
- Under 1,750mm max. width is 100mm, further lengths upon request
- Over 1,075mm belts lengths available in multiples of 1 tooth
- Over 15,000mm please enquire

AT5 BFX	Available lengths & versions	
Preferred lengths	See table on the right	
Minimum purchase amount	up to 660mm	1 sleeve, 100mm wide
Any number of teeth available from	720mm up to 15,000mm	
Intermediate lengths	from 720mm	o
Over 15,000mm	On request	
Standard material	up to 660mm	TPUST3
	from 720mm	TPUST1[1]
Steel tension member	x	
E tension member (standard)	o	
Stainless Steel or Aramid tension member	o	
PAZ	x	
DL/DL-PAZ	from 900mm	o[2]
DR/DR-PAZ	from 900mm	o
T/T-PAZ	-	

x Available, standard lengths (see table) without minimum purchase
o Minimum purchase amount on request
- Not available
1) Further materials on request
2) Only inner side can be coated

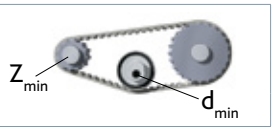
AT5 - Allowable tensile load								
Belt width	b (mm)	10	16	25	32	50	75	100
Tension member loadings	F_{adm} (N)	700	1260	2030	2660	4200	6370	8610
Belt weight (kg/m)	AT-5	0.031	0.052	0.085	0.105	0.164	0.241	0.328
	AT5-DL	0.040	0.064	0.101	0.130	0.204	0.307	0.410
	AT5-DR	0.045	0.073	0.115	0.148	0.231	0.348	0.464
	AT5-T	0.053	0.084	0.132	0.169	0.264	0.396	0.528

Belt widths (mm) – Intermediate belt widths on request						
10	16	25	32	50	75	100

Preferred lengths (mm)/Number of teeth					
Length	No. teeth	Length	No. teeth	Length	No. teeth
225	45	1005	201	3000	600
255	51	1020	204	3150	630
280	56	1075	215	3350	670
305	61	1100	220	3550	710
340	68	1215	243	3750	750
390	78	1380	276	4000	800
420	84	1400	280	4250	850
455	91	1500	300	4500	900
500	100	1600	320	4750	950
545	109	1700	340	5000	1000
610	122	1800	360	5300	1060
660	132	1900	380	5600	1120
720	144	2000	400	6000	1200
780	156	2120	424	6300	1260
840	168	2240	448	6700	1340
855	171	2360	472	7100	1420
875	175	2500	500	7500	1500
960	192	2650	530		
990	198	2800	560		

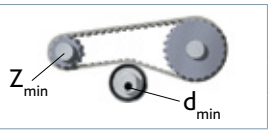
Drive Type A

Type A	AT5	AT5-DL	AT5-DR
Z_{min}	15	25	25
d_{min}	25	60	60



Drive Type B

Type B	AT5	AT5-DL	AT5-DR
Z_{min}	25	25	25
d_{min}	60	60	60

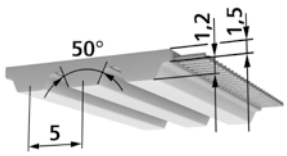


Z_{min} = Minimum number of teeth. d_{min} = Minimum diameter (mm)

AT5 and ATL5 BRECO® Open Length (M)/Joined (V)

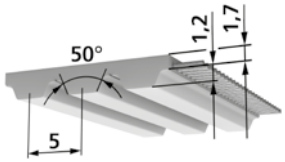
Polyurethane, steel reinforced, extruded open length & joined - High Power AT Profile in metric pitch with trapezoidal tooth form.

Standard



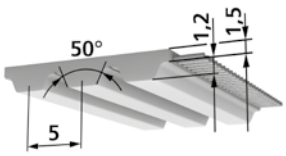
AT5

Standard



ATL5

Classic



AT5

Also available in BRECOprotect® see page 148

For Classic details & options see page 29

BRECO® timing belts AT5 and ATL5

AT5 Belt widths (mm) Intermediate belt widths on request						
10	16	25	32	50	75	100

AT5 (M/V)	Available lengths and versions
Standard delivery lengths (M)	roll of 50 or 100m
Cut to lengths/lengths > 100m	On request
Minimum length joined (V)	480mm
Standard material	TPUST1[1)]
Steel tension member	x
E tension member	o
Stainless Steel or Aramid member	o
PAZ	x
PAR	x
PAZ-PAR	x
DL/DL-PAZ	-
DR/DR-PAZ	-
T/T- PAZ	-

x Available
o Minimum purchase amount on request
- not available
1) Further materials on request

ATL5 Belt widths (mm) Intermediate belt widths on request			
16	25	32	50

ATL5 (M)	Available lengths and versions
Standard delivery lengths (M)	roll of 50 or 100m
Cut to lengths/lengths > 100m	On request
Minimum length joined (V)	-
Standard material	TPUST1[1)]
Steel tension member	-
E tension member (standard)	x
Stainless Steel or Aramid member	-
PAZ	x
PAR	-
PAZ-PAR	-
DL/DL-PAZ	-
DR/DR-PAZ	-
T/T- PAZ	-

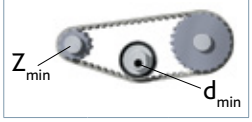
Technical Specification

AT5 - Allowable tensile load								
Belt width	b (mm)	10	16	25	32	50	75	100
Tension member loadings F_{adm} (N)	M	700	1120	1750	2240	3500	5250	7000
	V	350	560	910	1120	1750	2380	3500
Belt weight	kg/m	0.033	0.052	0.082	0.105	0.164	0.245	0.327

ATL5 - Allowable tensile load					
Belt width	b (mm)	16	25	32	50
Tension member loadings	F_{adm}(N)	1300	2000	2800	4200
Belt weight	kg/m	0.059	0.090	0.119	0.187

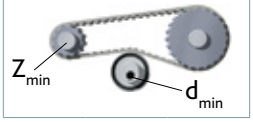
Drive Type A

Type A	AT5	ATL5
Z_{min}	15	25
d_{min}	25	40



Drive Type B

Type B	AT5	ATL5
Z_{min}	20	25
d_{min}	50	60



Z_{min} = Minimum number of teeth.

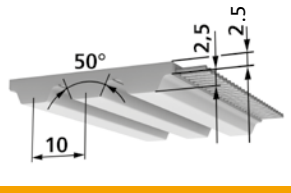
d_{min} = Minimum diameter (mm)

AT10 Standard & GEN III SYNCHROFLEX®

Continental

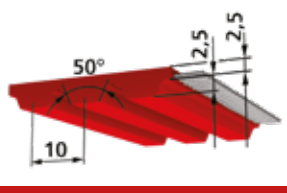
Polyurethane, steel reinforced, cast truly endless - High Power AT Profile in metric pitch with trapezoidal tooth form.

Standard



AT10

GEN III



AT10

CONTI SYNCHROFLEX® timing belt AT10

Available versions:

- Single-sided
- With E tension member for better flexibility
- With reinforced design upon request
- With Aramid tension member upon request
- Polyurethane special materials upon request
- Antistatic, coloured, mechanical reworked

CONTI SYNCHROFLEX® timing belt AT10 GEN III

Standard version:

- Single-sided red
- High performance composite PU
- Steel cord tension members with high density two filament construction
- 25% more power than standard AT

Standard stock lengths (mm)/Number of teeth

Length	No. teeth	Standard	GEN III	Length	No. teeth	Standard	GEN III	Length	No. teeth	Standard	GEN III
440	44	✓	✓	880	88	✓	✓	1280	128	✓	✓
460	46	✓	✓	890	89	✓	✓	1300	130	✓	✓
500	50	✓	✓	920	92	✓	✓	1320	132	✓	✓
560	56	✓	✓	960	96	✓	✓	1350	135	✓	✓
570	57	✓	✓	980	98	✓	✓	1360	136	✓	✓
580	58	✓	✓	1000	100	✓	✓	1400	140	✓	✓
600	60	✓	✓	1010	101	✓	✓	1480	148	✓	✓
610	61	✓	✓	1050	105	✓	✓	1500	150	✓	✓
660	66	✓	✓	1080	108	✓	✓	1600	160	✓	✓
700	70	✓	✓	1100	110	✓	✓	1700	170	✓	✓
730	73	✓	✓	1150	115	✓	✓	1720	172	✓	✓
780	78	✓	✓	1200	120	✓	✓	1800	180	✓	✓
800	80	✓	✓	1210	121	✓	✓	1860	186	✓	✓
840	84	✓	✓	1250	125	✓	✓	1940	194	✓	✓

Preferred belt width in mm: 16, 25, 32, 50,75, 100, 150 – Other dimensions on request ✓ Available

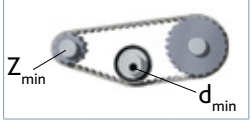
Technical Specification

Standard (belt width)	b (mm)	16	25	32	50	75	100
Tension member loadings	F_{adm} (N)	2000	3500	4750	7750	12000	16000
Belt weight	kg/m	0.101	0.158	0.202	0.315	0.473	0.630

GEN III (belt width)	b (mm)	16	25	32	50	75	100
Tension member loadings	F_{adm} (N)	3000	5000	6750	10750	16500	22000
Belt weight	kg/m	0.117	0.183	0.234	0.365	0.548	0.730

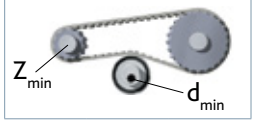
Drive Type A

Type A	AT10	GEN III
Z_{min}	15	15
d_{min}	50	50



Drive Type B

Type B	AT10	GEN III
Z_{min}	25	25
d_{min}	120	120

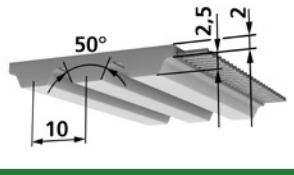
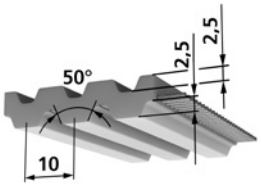
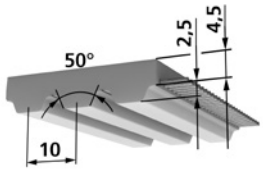
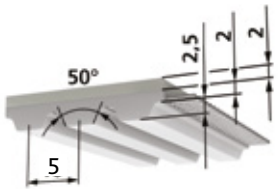


Z_{min} = Minimum number of teeth. d_{min} = Minimum diameter (mm)

AT10 BRECOFLEX®

20% EXTRA POWER

Polyurethane, steel reinforced, extruded truly endless - High Power AT Profile in metric pitch with trapezoidal tooth form.

Standard	Double-sided	Reinforced back of the belt	Version T
			
AT10	AT10-DL	AT10-DR	AT10-T

Also available in BRECOFLEX*move*® see p168

Available endless lengths for AT10/AT10-DL

- For preferred lengths refer to table
- Belts under 1,080mm with PAZ nylon tooth facing
- Under 1,080mm max. width is 100mm, further lengths upon request
- Over 1,080mm belts lengths available in multiples of 1 tooth
- Over 20,000mm please enquire

AT10 BFX		Available lengths & versions	
Standard lengths		See table on the right	
Minimum purchase amount		up to 700mm	1 sleeve
Any number of teeth available from		720mm up to 30,000mm	
under 1,500mm		b_{max} = 100	
Intermediate lengths		from 720mm	o
Standard Plus version		720mm up to 30,000mm	
Over 22,000mm		On request	
Standard material		up to 700mm	TPUST3
		above 700mm	TPUST1[2]
Steel tension member (standard)		x	
E tension member		o	
Stainless Steel tension member		o	
PAZ		x	
DL/DL-PAZ	b_{max} =100	from 900mm	o[3]
DR/DR-PAZ	b_{max} =100	from 900mm	o
T/T-PAZ	b_{max} =100	from 1,080mm	o

X Available, standard lengths (see table) without minimum purchase
o Minimum purchase amount on request
- Not available
1) 150mm belt width available from 1,500mm up to 15,000mm
2) Further materials on request 3) Only inner side can be coated

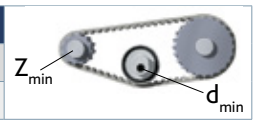
Belt widths (mm) Intermediate belt widths on request					
25	32	50	75	100	150[1]

Standard lengths (mm)/Number of teeth

Length	No. teeth	Length	No. teeth	Length	No. teeth
400	40	1010	101	3000	300
500	50	1080	108	3150	315
530	53	1150	115	3350	335
560	56	1210	121	3550	355
610	61	1240	124	3750	375
630	63	1250	125	4000	400
660	66	1320	132	4250	425
700	70	1400	140	4500	450
720	72	1500	150	4750	475
780	78	1600	160	5000	500
800	80	1700	170	5300	530
810	81	1800	180	5600	560
840	84	1900	190	6000	600
850	85	2000	200	6300	630
880	88	2120	212	6700	670
890	89	2240	224	7100	710
920	92	2360	236	7500	750
960	96	2500	250	8000	800
970	97	2650	265	9000	900
980	98	2800	280		

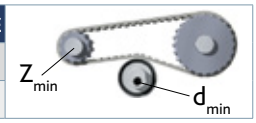
Drive Type A

Type A	AT10	AT10-DL	AT10-DR	AT10-T	AT10-E
Z_{min}	15	25	25	25	12
d_{min}	50	80	80	80	50



Drive Type B

Type B	AT10	AT10-DL	AT10-DR	AT10-T	AT10-E
Z_{min}	25	25	25	25	20
d_{min}	120	120	120	120	80



Z_{min} = Minimum number of teeth. d_{min} = Minimum diameter (mm)

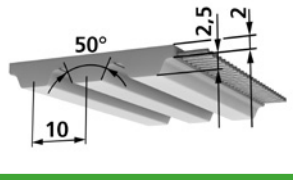
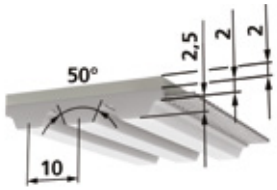
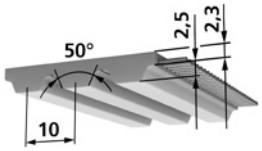
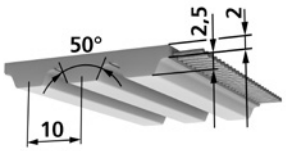
AT 10 – Allowable tensile load and belt weight							
Belt width b (mm)		25	32	50	75	100	150
Tension member loadings		3500	4750	7750	12000	16000	24500
Belt weight	AT 10	0.138	0.180	0.290	0.436	0.581	0.839
	AT10-DL	0.184	0.233	0.375	0.566	0.755	-
	AT10-DR	0.213	0.275	0.433	0.653	0.871	-
	AT10-T	0.198	0.256	0.404	0.609	0.812	-

AT10 and ATL10 BRECO® Open Length (M)/Joined (V)

BRECO TIMING BELTS

24 34 338

Polyurethane, steel reinforced, extruded open length & joined - High Power AT Profile in metric pitch with trapezoidal tooth form.

Standard	Version T	Standard	Classic
			
AT10	AT10 - T	ATL10	AT10

Also available in BRECO*protect*® see page 149 & BRECO*move*® see page 160

For Classic details & options see page 29

AT10 Belt widths (mm) Intermediate belt widths on request					
25	32	50	75	100	150

ATL10 Belt widths (mm) Intermediate belt widths on request				
32	50	75	100	150

AT10 (M/V)		Available lengths and versions
Standard delivery lengths (M)		roll of 50 or 100m
Cut to lengths/lengths > 100m		On request
Minimum length joined (V)	b ≤100	480mm
	b >100	880mm
Standard material		TPUST1[1)]
Steel tension member (standard)		x
E tension member (standard)		o
Stainless Steel tension member		o
PAZ		x
PAR		x
PAZ-PAR		x
DL/DL-PAZ		-
DR/DR-PAZ		-
T/T- PAZ	b_{max} =100	o

ATL10 (M)	Available lengths and versions
Standard delivery lengths (M)	roll of 50 or 100m
Cut to lengths/lengths > 100m	On request
Minimum length joined (V)	-
Standard material	TPUST1[1)]
Steel tension member (standard)	x
E tension member	-
Stainless steel tension member	o
PAZ	x
PAR	-
PAZ-PAR	-
DL/DL-PAZ	-
DR/DR-PAZ	-
T/T- PAZ	-

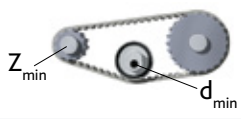
X Available, standard lengths (see table) without minimum purchase
o Minimum purchase amount on request
- Not available
1) Further materials on request

AT 10- Allowable tensile load							
Belt width	b (mm)	25	32	50	75	100	150
Tension member loadings F_{adm} (N)	M	4250	5500	8500	12750	17000	22000
	V	2125	2750	4250	6375	8500	11000
Belt weight	kg/m	0.158	0.186	0.290	0.436	0.581	0.839

ATL 10 - Allowable tensile load						
Belt width	b (mm)	32	50	75	100	150
Tension member loadings F_{adm} (N)	M	7200	11200	16800	22400	36000
Belt weight	kg/m	0.220	0.340	0.510	0.680	1.020

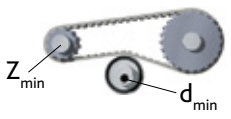
Drive Type A

Type A	AT10	AT10-T	ATL10
Z_{min}	15	25	25
d_{min}	50	80	80



Drive Type B

Type B	AT10	AT10-T	ATL10
Z_{min}	25	25	25
d_{min}	120	120	150

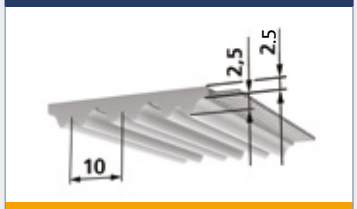


Z_{min} = Minimum number of teeth. d_{min} = Minimum diameter (mm)

ATP10 & ATP10 GEN III & SYNCHROFLEX®

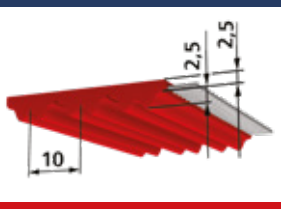
Polyurethane, steel reinforced, cast truly endless - High Power ATP Profile in metric pitch with optimised tooth form.

Standard



ATP10

GEN III



ATP10

CONTI SYNCHROFLEX® timing belt ATP10

Available version:

- Single-sided
- With E tension member for a better flexibility
- With reinforced tension member design
- Polyurethane special materials upon request (Standard: 93ShA, colour: yellow)
- Antistatic, coloured, mechanical reworked

CONTI SYNCHROFLEX® timing belt ATP10 GEN III

Standard version:

- Single-sided
- 25% more power than standard AT
- High performance polyurethane in Red colour
- Steel cord tension members with high density two-filament construction

Standard stock lengths (mm)/Number of teeth

Length	No. teeth	Standard	GEN III	Length	No. teeth	Standard	GEN III
630	63	✓	✓	1010	101	✓	✓
660	66	✓	✓	1080	108	✓	✓
700	70	✓	✓	1150	115	✓	✓
780	78	✓	✓	1280	128	✓	✓
840	84	✓	✓	1400	140	✓	✓
890	89	✓	✓	1650	165	✓	✓
920	92	✓	✓	1800	180	✓	✓

Preferred belt width in mm: 16, 25, 32, 50, 75, 100, 150 - Other dimensions upon request

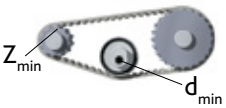
Technical Specification

Standard (belt width)	b (mm)	16	25	32	50	75	100
Tension member loadings	F_{adm} (N)	2000	3500	4750	7750	12000	16000
Belt weight	kg/m	0.960	0.150	0.192	0.300	0.450	0.600

GEN III (belt width)	b (mm)	16	25	32	50	75	100
Tension member loadings	F_{adm} (N)	3000	5000	6750	10750	16500	22000
Belt weight	kg/m	0.109	0.170	0.218	0.340	0.510	0.680

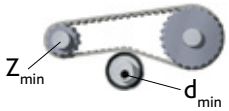
Drive Type A

Type A	ATP10	GEN III
Z_{min}	15	15
d_{min}	50	50



Drive Type B

Type B	ATP10	GEN III
Z_{min}	25	25
d_{min}	120	120



Z_{min} = Minimum number of teeth. d_{min} = Minimum diameter (mm)

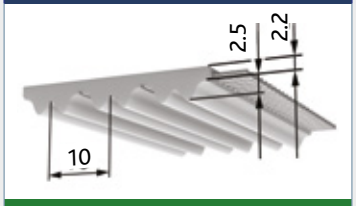
ATP10 BRECOFLEX®

BRECOflex TIMING BELTS

34 343 20% EXTRA POWER

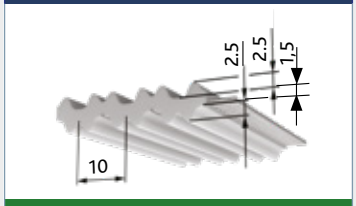
Polyurethane, steel reinforced, extruded truly endless - High Power ATP Profile in metric pitch with optimised tooth form.

Standard



ATP10

Double-sided



ATP10 - DL

ATP10 & ATP10-DL BRECOFLEX®

Available endless lengths for ATP10:

- For preferred lengths refer to tables
- Belts under 1,500mm not available
- Over 1,500mm belt lengths available in multiples of 1 tooth
- Over 12,000mm please enquire

ATP10 BFX	Available lengths and versions	
Standard lengths	See table on the left	
Any number of teeth available from	1,100mm up to 12,000mm	
Intermediate lengths	From 1,100mm	o
Standard Plus version	1,100mm up to 12,000mm	
Over 12,000mm	On request	
Standard material	TPUST1[1)]	
Steel tension member (standard)	x	
E tension member	o	
Stainless Steel tension member	-	
DL	o	
DR/DR-PAZ	-	
T/T-PAZ	-	

x Available, standard lengths (see table) without minimum purchase
o Minimum purchase amount on request
- Not available
1) Further materials on request

Belt widths (mm) Intermediate belt widths on request					
16	25	32	50	75	100

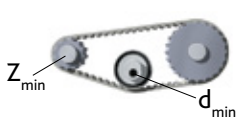
Standard lengths (mm)/Number of teeth

Length	No. teeth	Length	No. teeth	Length	No. teeth
1500	150	2650	265	4500	450
1600	160	2800	280	4750	475
1700	170	3000	300	5000	500
1900	190	3150	315	5300	530
2000	200	3350	335	5600	560
2120	212	3550	355	6000	600
2240	224	3750	375	6300	630
2360	236	4000	400		
2500	250	4250	425		

ATP10 /ATP10-DL - Allowable tensile load							
Belt width	b (mm)	16	25	32	50	75	100
Tension member loadings	F_{adm}(N)	2000	3500	4750	7750	12000	16000
Belt weight (kg/m)	ATP 10	0.096	0.150	0.192	0.300	0.450	0.600
	ATP 10-DL	0.097	0.154	0.200	0.316	0.477	0.636

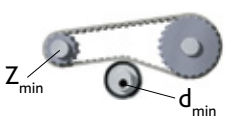
Drive Type A

Type A	ATP10	ATP10-DL	ATP10-E
Z_{min}	15	25	12
d_{min}	50	80	50



Drive Type B

Type A	ATP10	ATP10-DL	ATP10-E
Z_{min}	25	25	20
d_{min}	120	120	80

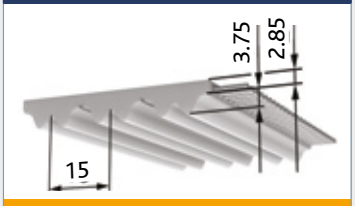


Z_{min} = Minimum number of teeth. d_{min} = Minimum diameter (mm)

ATP15 & ATP15 GEN III CONTI SYNCHROFLEX®

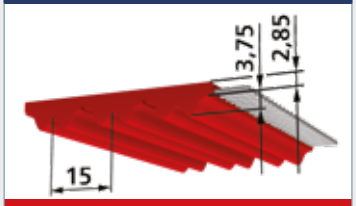
Polyurethane, steel reinforced, cast truly endless - High Power ATP Profile in metric pitch with optimised tooth form.

Standard



ATP15

GEN III



ATP15

CONTI SYNCHROFLEX® timing belt ATP15

High performance ATP profile with metric pitch and optimised meshing of the double engagement toothform.

Available versions:

- Single-sided
- With E tension member for a better flexibility
- With reinforced tension member design
- Polyurethane special materials upon request (Standard: 93ShA, colour: red)
- Antistatic, coloured, mechanical reworked

CONTI SYNCHROFLEX® timing belt ATP15 GEN III

Extreme performance ATP profile with metric pitch and optimised meshing of the double engagement toothform.

Standard version:

- Single-sided
- High Performance polyurethane in red colour
- Steel cord tension members with high density
- 25% more power than standard ATP

Standard stock lengths (mm)/Number of teeth

Length	No. teeth	Standard	GEN III
1125	75	✓	✓
1185	79	✓	✓
1260	84	✓	✓
1560	104	✓	✓

Preferred belt width in mm: 25, 32, 50, 75, 100, 150 - Other dimensions upon request

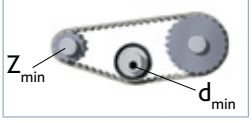
Technical Specification

Belt width	b (mm)	25	32	50	75	100	150
Tension member loadings	F_{adm} (N)	4950	6750	11250	17750	23850	36450
Belt weight	kg/m	0.200	0.256	0.400	0.600	0.800	1.200

Belt width	b (mm)	25	32	50	75	100	150
Tension member loadings	F_{adm} (N)	6300	8550	13950	21600	28800	44100
Belt weight	kg/m	0.218	0.279	0.436	0.654	0.872	1.308

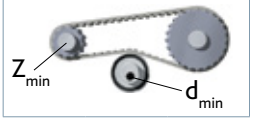
Drive Type A

Type A	ATP15	GEN III
Z_{min}	20	20
d_{min}	100	100



Drive Type B

Type B	ATP15	GEN III
Z_{min}	30	30
d_{min}	160	160



Z_{min} = Minimum number of teeth. d_{min} = Minimum diameter (mm)

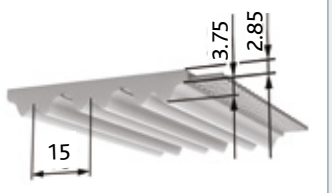
ATP15 BRECOFLEX®

BRECOflex TIMING BELTS

34 343 20% EXTRA POWER

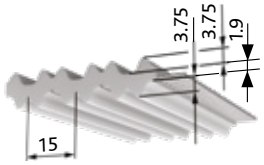
Polyurethane, steel reinforced, extruded truly endless - High Power ATP Profile in metric pitch with optimised tooth form.

Standard



ATP15

Double-sided



ATP15-DL

ATP15 & ATP15-DL BRECOFLEX®

Available endless lengths for ATP15:

- For preferred lengths refer to tables
- Belts under 1,500mm not available
- Over 1,500mm belt lengths available in multiples of 1 tooth
- Over 12,000mm please enquire

ATP15 BFX	Available lengths & versions	
Standard lengths	See table on the right	
Any number of teeth available from	1,500mm up to 12,000mm	
Intermediate lengths	from 1,500mm	o
Standard Plus version	1,500mm up to 12,000mm	
Over 12,000mm	On request	
Standard material	TPUST1[1)]	
Steel tension member (standard)	x	
E tension member	o	
Stainless Steel tension member	-	
DL	o	
DR/DR-PAZ	-	
T/T-PAZ	-	

x Available, standard lengths (see table) without minimum purchase
o Minimum purchase amount on request
- Not available
1) Further materials on request

Belt widths (mm) (Intermediate belt widths on request)					
25	32	50	75	100	150

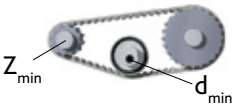
Standard lengths (mm)/Number of teeth

Length	No. teeth	Length	No. teeth	Length	No. teeth
1740	116	2805	187	4500	300
1965	131	3000	200	4875	325
2100	140	3225	215	5250	350
2250	150	3450	230	5625	375
2385	159	3675	245	6000	400
2520	168	3900	260		
2670	178	4125	275		

ATP15/ATP15-DL							
Belt width	b (mm)	25	32	50	75	100	150
Tension member loadings	F_{adm}(N)	4950	6750	11250	17550	23850	36450
Belt weight (kg/m)	ATP15	0.200	0.256	0.400	0.600	0.800	1.200
	ATP15 -DL	0.210	0.272	0.432	0.654	0.876	-

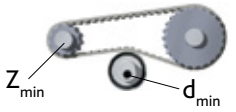
Drive Type A

Type A	ATP15	ATP15-DL
Z_{min}	20	25
d_{min}	100	120



Drive Type B

Type B	AT15	ATP15-DL
Z_{min}	30	30
d_{min}	160	160

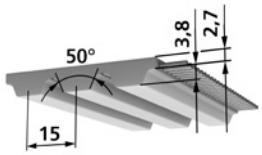


Z_{min} = Minimum number of teeth. d_{min} = Minimum diameter (mm)

ATS15 BRECOFLEX® & ATS15 BRECO® Open Length (M) /Joined (V)

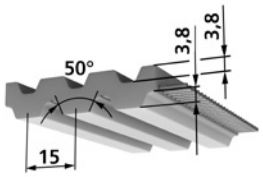
Polyurethane, steel reinforced, extruded - High Power AT Profile in metric pitch with trapezoidal tooth form.

Standard



ATS15

Double-sided



ATS15-DL

ATS15 BFX	Available lengths and versions
Standard lengths	-
Any number of teeth available from	1,500mm up to 22,000mm
Minimum Purchase amount	1 sleeve
Standard Plus version	1,500mm up to 22,000mm
Over 22,000mm	On request
Standard material	TPUST1[1)]
Steel tension member (standard)	x
E tension member	-
Stainless Steel tension member	o
PAZ	x
DL	o[2)]
DR/DR-PAZ	-
T/T-PAZ	-

Technical Specification

BRECOFLEX® ATS15/ATS15-DL Allowable tensile load by belt width						
Belt width	b (mm)	25	32	50	75	100
Tension member loadings	F_{adm}(N)	6150	7995	12915	19680	26445
Belt weight (kg/m)	ATS15	0.219	0.280	0.438	0.656	0.875
	ATS15-DL	0.294	0.377	0.589	0.883	1.178

x Available, minimum purchase amounts may apply
o Minimum purchase amount on request
- Not available
1) Further materials on request
2) Only inner side can be coated
3) Data suitable for both BRECOFLEX® and BRECO® (M)

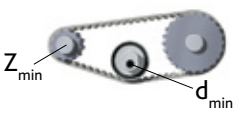
ATS 15 (M/V)	Available lengths and versions
Standard delivery lengths (M)	Rolls of 50m or 100m
Cut to lengths/lengths > 50m	On request
Minimum length joined (V)	-
Standard material	TPUST1[1)]
Steel tension member (standard)	x
E tension member	-
Stainless Steel tension member	o
PAZ	x
PAR	-
PAZ-PAR	-
DL/DL-PAZ	-
DR/DR-PAZ	-
T/T-PAZ	-

Technical Specification

BRECO® ATS15/(M) Allowable tensile load by belt width						
Belt width	b (mm)	25	50	75	100	150
Tension member loadings	F_{adm}(N)	6765	13530	20295	27080	40590
Belt weight (kg/m)	ATS15M	0.250	0.500	0.750	1.000	1.500

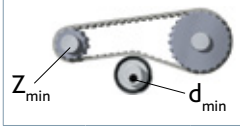
Drive Type A[3)]

Type A	ATS15	ATS15-DL
Z_{min}	25	40
d_{min}	120	250



Drive Type B[3)]

Type B	ATS15	ATS15-DL
Z_{min}	40	40
d_{min}	250	250



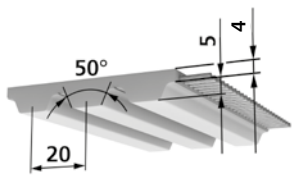
Z_{min} = Minimum number of teeth. d_{min} = Minimum diameter (mm)

AT20 Standard & GEN III CONTI® SYNCHROFLEX

Continental

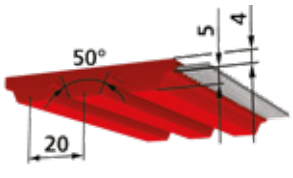
Polyurethane, steel reinforced, cast truly endless - High Power AT Profile in metric pitch with trapezoidal tooth form.

Standard



AT20

GEN III



AT20

SYNCHROFLEX® timing belt AT20

Available version:

- Single-sided
- High performance polyurethane
- Polyurethane special materials upon request
- Antistatic, coloured, mechanical reworked

SYNCHROFLEX® timing belt AT20 GEN III

Standard version:

- Single-sided red
- High performance composite PU
- Steel cord tension members with high density two filament construction
- 25% more power than standard AT

Standard stock lengths (mm)/Number of teeth

Length	No. teeth	Std.	GEN III
1000	50	✓	✓
1100	55	✓	✓
1200	60	✓	✓
1260	63	✓	✓
1500	75	✓	✓
1600	80	✓	✓

Length	No. teeth	Std.	GEN III
1700	85	✓	✓
1760	88	✓	✓
1800	90	✓	✓
1900	95	✓	✓
1960	98	✓	✓

Preferred belt width in mm: 32, 50, 75, 100
Other dimensions on request

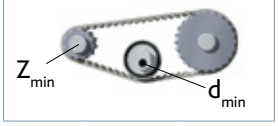
Technical Specification

Standard (belt width)	b (mm)	32	50	75	100	150
Tension member loadings	F_{adm} (N)	6750	11250	17550	23850	36450
Belt weight	(kg/m)	0.339	0.530	0.795	1.060	1.590

GEN III (belt width)	b (mm)	25	32	50	75	100	150
Tension member loadings	F_{adm} (N)	6300	8550	13950	21600	28800	44100
Belt weight	(kg/m)	0.290	0.371	0.583	0.870	1.160	1.740

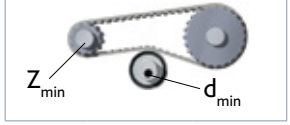
Drive Type A

Type A	AT20	GEN III
Z_{min}	18	18
d_{min}	120	120



Drive Type B

Type B	AT20	GEN III
Z_{min}	25	25
d_{min}	180	180

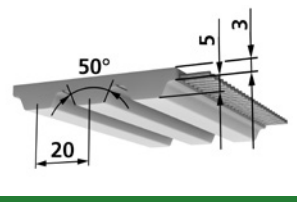
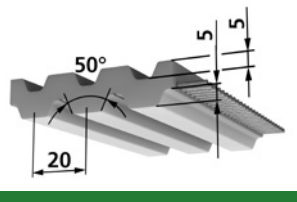
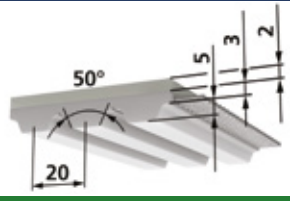


Z_{min} = Minimum number of teeth. d_{min} = Minimum diameter (mm)

AT20 BRECOFLEX®

20% EXTRA POWER

Polyurethane, steel reinforced, extruded truly endless - High Power AT Profile in metric pitch with trapezoidal tooth form.

Standard	Double-sided	Version T
		
AT20	AT20-DL	AT20-T

AT20, AT20-DL & AT20-T BRECOFLEX®

Available endless lengths for AT20:

- For preferred lengths refer to tables
- Belts under 1,500mm not available
- Over 1,500mm belt lengths available in multiples of 1 tooth
- Over 12,000mm please enquire

AT20 BFX		Available lengths and versions	
Standard lengths		See table on the right	
Any number of teeth available from		1,100mm up to 30,000mm	
Under 1,100mm		-	
Intermediate lengths		from 1,100mm	o
Standard Plus version		1,500mm up to 30,000mm	
Over 22,000mm		On request	
Standard material		TPUST1[2]	
Steel tension member (standard)		x	
E tension member		o	
Stainless Steel tension member		o	
PAZ		x	
DL/DL-PAZ	b_{max} =100	o[3]	
DR/DR-PAZ	b_{max} =100	-	
T/T-PAZ	b_{max} =100	o	

X Available, standard lengths (see table) without minimum purchase
o Minimum purchase amount on request
- Not available
1) 150mm belt width available from 1,500mm up to 15,000mm
2) Further materials on request
3) Only inner side can be coated

Belt widths (mm) Intermediate belt widths on request				
32	50	75	100	150[1]

Standard lengths (mm)/Number of teeth

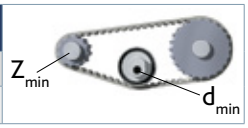
Length	No. teeth	Length	No. teeth	Length	No. teeth
1500	75	2800	140	5300	265
1600	80	3000	150	5600	280
1700	85	3160	158	6000	300
1800	90	3360	168	6300	315
1900	95	3560	178	6700	335
2000	100	3760	188	7100	355
2120	106	4000	200	7500	375
2240	112	4260	213	8000	400
2360	118	4500	225	8500	425
2500	125	4760	238	9000	450
2660	133	5000	250		

Technical Specification

AT20/AT20 - T – Allowable tensile load by belt width						
Belt width	b (mm)	32	50	75	100	150
Tension member loadings	F_{adm}(N)	6000	10000	15600	21200	32400
Belt weight (kg/m)	AT20	0.307	0.480	0.720	0.960	1.423
	AT20-T	0.372	0.588	0.888	1.187	-

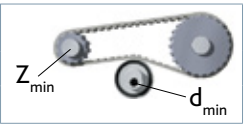
Drive Type A

Type A	AT20	AT20-T	AT20-SS	SS-DL	SS-T
Z_{min}	18	25	32	60	32
d_{min}	120	120	200	380	200



Drive Type B

Type B	AT20	AT20-T	AT20-SS	SS-DL	SS-T
Z_{min}	25	25	40	40	60
d_{min}	180	180	300	300	380

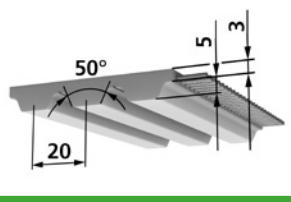
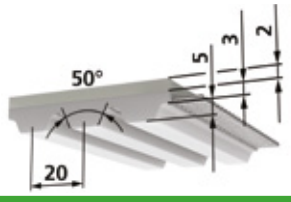
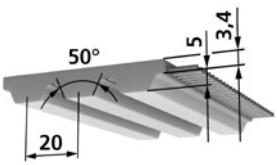
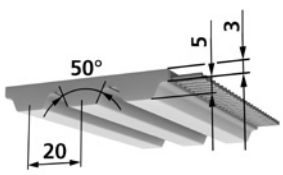


Z_{min} = Minimum number of teeth. d_{min} = Minimum diameter (mm)

AT20 and ATL20 BRECO® Open Length (M)/Joined (V)

24 34 342

Polyurethane, steel reinforced, extruded open length - High Power AT Profile in metric pitch with trapezoidal toothform.

Standard	Version T	Standard	Classic
			
AT20	AT20 - T	ATL20	AT20

Also available in BRECOprotect® see page 151

For Classic details & options see page 29

AT20 Belt widths (mm) Intermediate belt widths on request				
32	50	75	100	150

AT20 (M/V)		Available lengths
Standard delivery lengths (M)		Rolls of 50m
Cut to lengths/lengths > 50m		On request
Minimum length joined (V)		1,000mm
Standard material		TPUST1[1)]
Steel tension member (standard)		x
E tension member		-
Stainless Steel tension member		o
PAZ		x
PAR		x
PAZ-PAR		x
DL/DL-PAZ		-
DR/DR-PAZ		-
T/T-PAZ	b_{max} =100	o

x Available
o Minimum purchase amount on request
- Not available
1) Further materials on request

ATL20 Belt widths (mm) Intermediate belt widths on request			
32	50	75	100

ATL20 (M)	Available lengths and versions
Standard delivery lengths (M)	Rolls of 50m
Cut to lengths/lengths > 100m	On request
Minimum length joined (V)	-
Standard material	TPUST1[1)]
Steel tension member (standard)	x
E tension member	-
Stainless Steel tension member	o
PAZ	x
PAR	-
PAZ-PAR	-
DL/DL-PAZ	-
DR/DR-PAZ	-
T/T-PAZ	-

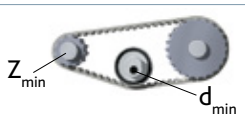
Technical Specification

AT20 - Allowable tensile load						
Belt width	b (mm)	32	50	75	100	150
Tension member F_{adm}(N)	M	7200	11200	16800	22400	32000
	V	3600	5600	8400	11200	16000
Belt weight	kg/m	0.307	0.48	0.72	0.96	1.423
T	kg/m	0.384	0.600	0.900	1.200	-

ATL20 - Allowable tensile load					
Belt width	b (mm)	32	50	75	100
Tension member F_{adm}(N)	M	9800	15400	23800	31500
Belt weight	kg/m	0.350	0.550	0.840	1.110

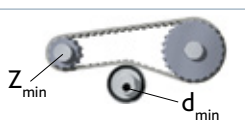
Drive Type A

Type A	AT20 (M/V)	AT20-T (M/V)	ATL20
Z_{min}	18	25	25
d_{min}	120	120	160



Drive Type B

Type B	AT20 (M/V)	AT20-T (M/V)	ATL20
Z_{min}	25	25	25
d_{min}	180	180	250



Z_{min} = Minimum number of teeth. d_{min} = Minimum diameter (mm)

BRECO® TIMING BELTS

BRECOflex® TIMING BELTS

THE KING OF POWER AND PERFORMANCE

BRECO® is the leader in polyurethane timing belt solutions.

BRECO® are the most innovative producer in the field of polyurethane timing belt technology worldwide. Their high-quality and reliable products feature wear resistant polyurethane for the belt body and high tensile steel cord tension members.

The BRECO® and BRECOFLEX® timing belts, the pulleys and other matching components reflect the experience gathered over decades of successful and reliable usage.

- **Innovation**
- **Strength**
- **Performance**
- **Trust**

BRECO® ***Keeps You Moving***



For **BRECO®** see page 22

BELTS PULLEYS CHAIN SPROCKETS GEARS BEARINGS LINEAR HARDWARE PLASTICS

TransDev®
THE POWER IN MOTION

Continental

BRECO TIMING BELTS

BRECOflex TIMING BELTS

T Series Timing Belts

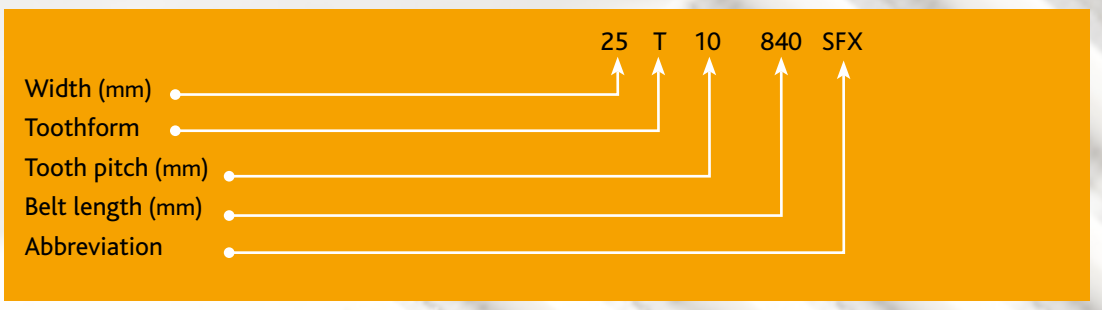


- SYNCHRONOUS RUNNING
- EFFICIENCY - MAX 98%
- LOW MAINTENANCE
- TEMPERATURE RANGE INCREASED TO 80°C
- RUNS ON STANDARD T SERIES PULLEYS

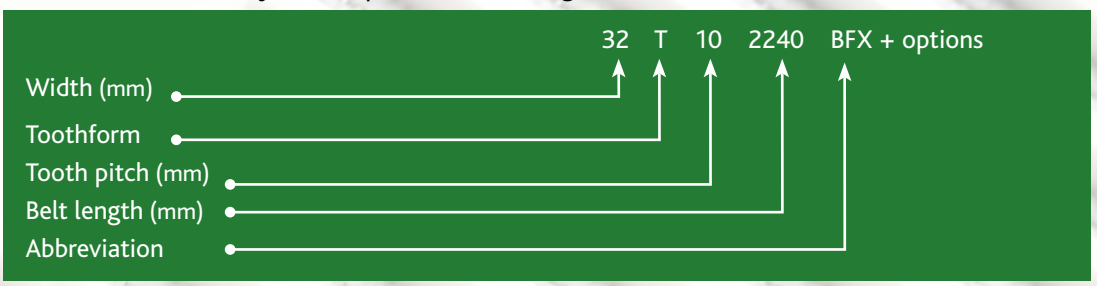
T Series Timing Belt Order Examples

Four standard types

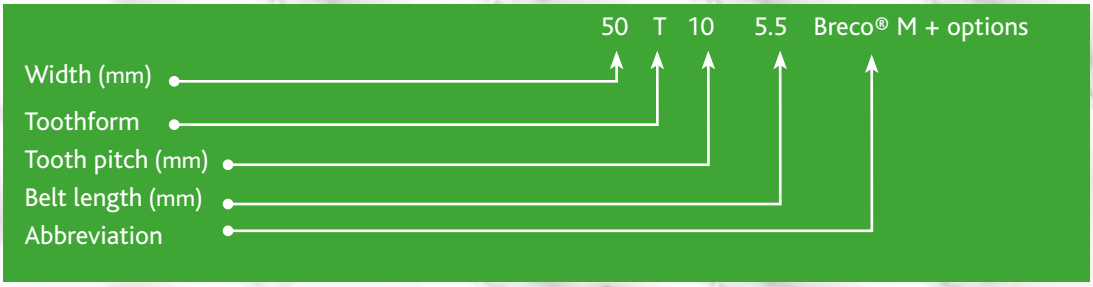
SYNCHROFLEX® T truly endless power drive belting from stock.



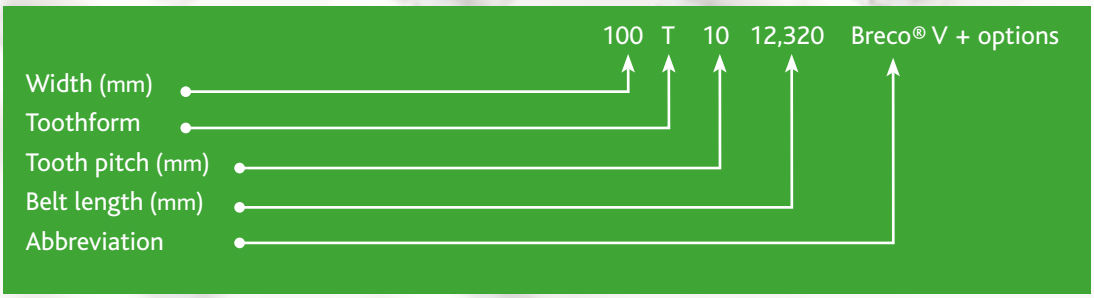
BRECOFLEX® T truly endless power drive belting made to order.



BRECO® M T open length linear drive belting from stock.



BRECO® V T joined conveyor belting from stock.



For other options, backings, cord types, flighted belts, self tracking, etc. contact sales@transdev.co.uk.

Additional Belt Options

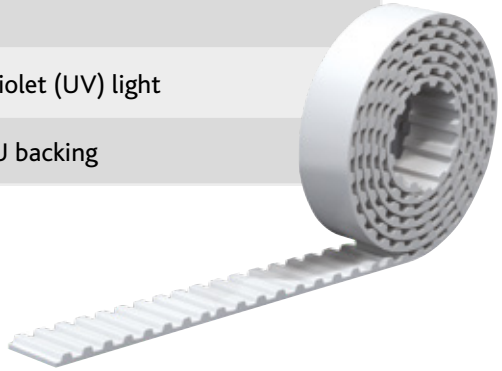
Available options in SYNCHROFLEX® truly endless belts

DL	Double sided belt, (for serpentine drives)
E	Flexible Steel tension cords, (Smaller pulleys or serpentine drives)
KEV	Aramid tension cords, (Non-magnetic or food use)
GEN III	Higher performance AT Profile belts
9080	Low operating temperature PU -35°C to 80°C (not in all sizes)

Available options in BRECOFLEX® truly endless, BRECO® M Open length & BRECO® V joined belts.

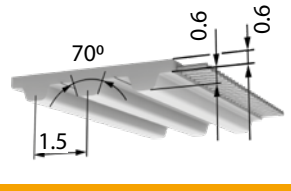
DL	Double sided belt, (for serpentine drives)
PAZ	Low friction green fabric tooth covering, (Quiet running)
PAR	Low friction green fabric back covering, (Accumulating conveyor)
KEV	Aramid tension cords, (Non-magnetic or food use)
ST ST	Stainless Steel tension cords, (Food or under water use)
E	Flexible Steel tension cords, (smaller pulleys or serpentine drives)
DR	Thicker Polyurethane (PU) backing, 92 shore A (Wear resistant conveying)
FD1	Food or medical grade PU (Use Aramid or Stainless Steel cords)
KF1	Low operating temperature PU -25°C to+5°C
WB1	High operating temperature PU +20°C TO 110°C
AS1	Antistatic PU
UV	Higher resistance PU to Ultra Violet (UV) light
T	2mm thick 85 Shore A, PU backing

- Other options may be available on request
- Some options can be combined, please ask
- Minimum order quantities may apply



K1.5 Standard CONTI SYNCHROFLEX®

Standard serrated metric pitch profile.

Standard

K1.5

Available types for K1.5

- Single-sided
- Available with Aramid tension members
- Special Polyurethanes upon request
- Antistatic, coloured, machined, ground and punched belts
- Backings

Technical Specification

K1.5 – Allowable tensile load by belt width				
Belt width	b (mm)	4	6	10
Tension member loadings	F_{adm}(N)	39	65	117
Belt weight	kg/m	0.004	0.006	0.010

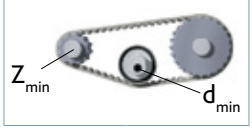
Pulleys non-stock, supplied to order only.

Standard lengths (mm) /Number of teeth		
Length	No. teeth	Stock length
57.0	38	O
64.5	43	✓
67.5	45	O
100.5	67	✓
141.0	94	O
165.0	110	✓
201.0	134	✓
228.0	152	O
286.0	191	O
300.0	200	✓
400.5	267	✓
501.0	334	✓
600.0	400	✓
1242.5	828	O
1671.5	1114	O

Preferred belt width in mm: 4, 6, 10 O Available on request
Limited other lengths available on request

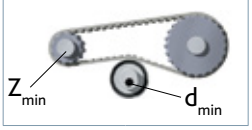
Drive Type A

Type A	K1.5
Z_{min}	14
d_{min}	15



Drive Type B

Type B	K1.5
Z_{min}	20
d_{min}	15



Z_{min} = Minimum number of teeth. d_{min} = Minimum diameter (mm)



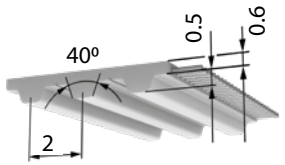
BRECO*green*®
A range of timing belts that offer an eco-friendly alternative, without compromising on performance.
Contact our Sales Department for further information.

T2 Standard CONTI SYNCHROFLEX®

Continental

Polyurethane, Steel reinforced, cast truly endless, standard T profile with metric pitch and trapezoidal teeth

Standard



T2

CONTI SYNCHROFLEX® timing belt T2

Standard T profile with metric pitch and trapezoidal teeth.The technical data refers to standard Polyurethane and standard Steel cord tension members.

Available types for T2:

- Single-sided
- Increased back thickness (FA)*
- Available with Aramid tension members
- Special Polyurethanes upon request
- Antistatic, coloured, machined, ground and punched belts
- Backings

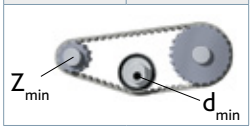
Technical Specification

T2 – Allowable tensile load by belt width							
Belt width	b (mm)	4	6	10	16	25	32
Tension member loadings	F_{adm}(N)	39	65	117	195	312	403
Belt weight	kg/m	0.004	0.007	0.011	0.018	0.028	0.0035

Pulleys non-stock, supplied to order only.

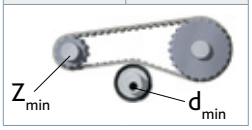
Drive Type A

Type A	T2
Z_{min}	10
d_{min}	15



Drive Type B

Type B	T2
Z_{min}	18
d_{min}	15



Z_{min} = Minimum number of teeth. d_{min} = Minimum diameter (mm)

Standard lengths (mm)/Number of teeth		
Length	No. teeth	Stock lengths
68	34	✓
90	45	✓
108	56	✓
118	59	✓
120	60	✓
120 FA	60	O
138	69	✓
140	70	✓
144	72	✓
150	75	✓
160	80	✓
180	90	✓
200	100	✓
220	110	✓
220 FA	110	O
240	120	✓
256	128	✓
262	131	✓
280	140	✓
292	146	✓
320	160	✓
360	180	✓
600	300	✓
710	355	✓
710 FA	355	O

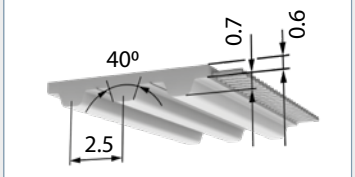
Preferred belt width in mm: 4, 6, 10
Limited other lengths available on request

✓ Available O Available on request
FA: with bigger back thickness

T2.5 & T2.5-DL Standard CONTI SYNCHROFLEX®

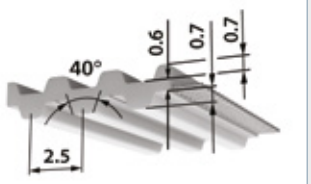
Polyurethane, Steel reinforced, cast truly endless, standard T Profile to DIN 7721 in metric pitch with trapezoidal toothform.

Standard



T2.5

Double-sided



T2.5-DL

CONTI SYNCHROFLEX® timing belt T2.5/T2.5 -DL

The technical data refers to standard Polyurethane and standard Steel cord tension members.

Available versions:

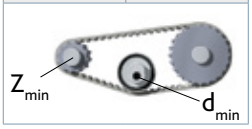
- Single-sided
- With Aramid tension member
- Polyurethane special materials upon request
- Antistatic, coloured, mechanical reworked

Technical Specification

T2.5/T2.5 DL – Allowable tensile load by belt width								
Belt width		b (mm)	4	6	10	16	25	32
Tension member loadings		F_{adm}(N)	39	65	117	195	312	403
Belt weight	T2.5	kg/m	0.006	0.009	0.015	0.024	0.038	0.048
	T2.5-DL	kg/m	0.006	0.009	0.016	0.025	0.040	0.051

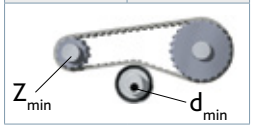
Drive Type A

Type A	T2.5
Z_{min}	10
d_{min}	15



Drive Type B

Type B	T2.5-DL
Z_{min}	18
d_{min}	15



Z_{min} = Minimum number of teeth. d_{min} = Minimum diameter (mm)

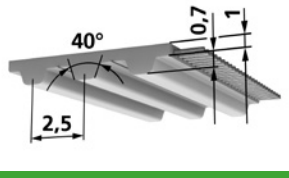
Standard stock lengths (mm)/Number of teeth

Length	No. teeth	Stock lengths	Length	No. teeth	Stock lengths
55FA	22	O	380	152	✓
120	48	✓	395	158	✓
145	58	✓	400 FA	160	O
160FA	64	O	415 DL	166	✓
177.5	71	✓	420	168	✓
180	72	✓	457.5	183	✓
182.5	73	✓	457.5 DL	183	✓
200	80	✓	480	192	✓
210 FA	84	O	480 FA	192	O
225	90	✓	500	200	✓
230	92	✓	500 FA	200	O
230 FA	92	O	540	216	✓
245	98	✓	600	240	✓
250	100	✓	600 FA	240	O
265	106	✓	620	248	✓
285	114	✓	650	260	✓
285 FA	114	O	780	312	✓
290	116	✓	780 FA	312	O
305	122	✓	950	380	✓
305 FA	122	O	1300	520	✓
317.5	127	✓	1300 FA	520	O
317.5 DL	127	✓	1350FA	540	O
330	132	✓	1475FA	590	O

Preferred belt width in (mm) 4, 6, 10 – Other dimensions on request
✓ Available
O Available on request
FA: with bigger back thickness
DL: Double-Sided

T2.5 BRECO® Open Length (M)/Joined (V)

Polyurethane, Steel reinforced, extruded open length & joined, standard T Profile to DIN 7721 in metric pitch with trapezoidal toothform.

Standard

T2.5

BRECO® timing belt T2.5

- Polyurethane, Steel reinforced, extruded open length

Available types for T2.5:

- Single-sided
- Special Polyurethane upon request
- Antistatic, coloured, machined, ground and punched belts
- Clamps plates and end connections

Belt widths (mm) Intermediate belt widths on request		
8	10	20

T2.5 (M/V)	Available lengths and versions
Standard delivery lengths (M)	Rolls of 100m
Cut to lengths/lengths > 100m	On request
Minimum length joined (V)	350mm
Standard material	TPUST[1)]
Steel tension member (standard)	x
E tension member	-
Stainless Steel tension member	-
PAZ	-
PAR	-
PAZ-PAR	-
DL/DL-PAZ	-
DR/DR-PAZ	-
T/T-PAZ	-

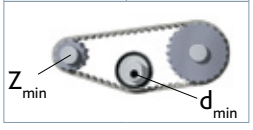
x Available
o Minimum purchase amount on request
- Not available
1) Further materials on request

Technical Specification

T2.5 – Allowable tensile load by belt width				
Belt width	b (mm)	8	10	20
Tension member loadings F_{adm}(N)	M	77	98	196
	V	38	49	98
Belt weight	kg/m	0.010	0.015	0.030

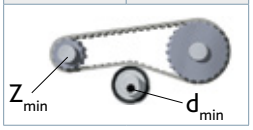
Drive Type A

Type A	T2.5
Z_{min}	15
d_{min}	15



Drive Type B

Type B	T2.5
Z_{min}	18
d_{min}	18



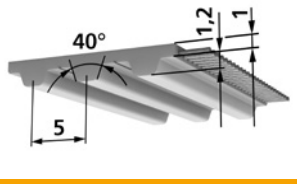
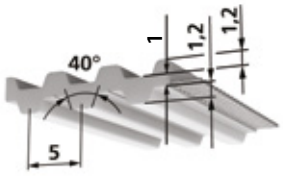
Z_{min} = Minimum number of teeth. d_{min} = Minimum diameter (mm)



See Design Software – Page 30

T5 & T5-DL Standard CONTI SYNCHROFLEX®

Polyurethane, Steel reinforced, cast truly endless, standard T Profile to DIN 7721 in metric pitch with trapezoidal toothform.

Standard	Double-sided
	
T5	T5-DL

The technical data refers to standard Polyurethane and standard Steel cord tension members.

Available versions:

- Single-sided
- With E tension member for increased flexibility
- With Aramid tension member
- Polyurethane special materials upon request
- Antistatic, coloured, mechanical reworked
- Special Polyurethanes upon request
- Antistatic, coloured, machined, ground and punched belts
- Backings

Standard stock lengths (mm)/Number of teeth

Length	No. teeth	Stock length	Length	No. teeth	Stock length	Length	No. teeth	Stock length	Length	No. teeth	Stock length
100	20	✓	340	68	✓	590	118	✓	840	168	✓
150	30	✓	355	71	✓	590DL	118	✓	860DL	172	✓
150DL	30	✓	365	73	✓	610	122	✓	900	180	✓
165	33	✓	390	78	✓	620	124	✓	920	184	✓
180	36	✓	400	80	✓	620DL	124	✓	925	185	✓
185	37	✓	410	82	✓	625DL	125	✓	940	188	✓
200	40	✓	410DL	82	✓	630	126	✓	940DL	188	✓
210	42	✓	420	84	✓	630 FA	126	O	990	198	✓
215	43	✓	455	91	✓	650	130	✓	990 FA	198	O
220	44	✓	460	92	✓	650 FA	130	O	1075	215	✓
225	45	✓	460DL	92	✓	660	132	✓	1075 FA	215	O
245	49	✓	480	96	✓	690	138	✓	1100	220	✓
250	50	✓	500	100	✓	690 FA	138	O	1100DL	220	✓
255	51	✓	505	101	✓	700	140	✓	1160	232	✓
260	52	✓	510	102	✓	720	144	✓	1160 FA	232	O
260DL	52	✓	515DL	103	✓	725	145	✓	1215	243	✓
270	54	✓	525	105	✓	750	150	✓	1315	263	✓
280	56	✓	525 FA	105	O	750DL	150	✓	1315 FA	263	O
295	59	✓	525DL	105	✓	765	153	✓	1325DL	265	✓
300DL	60	✓	545	109	✓	780	156	✓	1380	276	✓
305	61	✓	550	110	✓	800	160	✓	1440 FA	276	O
330	66	✓	560	112	✓	815	163	✓	1500	300	✓
330DL	66	✓	575	115	✓	815DL	163	✓	1500 FA	300	O

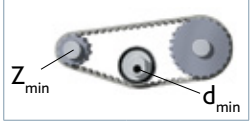
Preferred belt width in (mm) 6, 10, 16, 25, 50 – Other dimensions on request
✓ Available O Available on request
FA: with bigger back thickness **DL:** Double-Sided

Technical Specification

T5 – Allowable tensile load by belt width										
Belt width		b (mm)	6	10	16	25	32	50	75	100
Tension member loadings		F_{adm}(N)	180	330	570	930	1200	1920	2940	3930
Belt weight	T5	kg/m	0.014	0.024	0.038	0.060	0.077	0.120	0.180	0.240
	T5-DL	kg/m	0.016	0.027	0.043	0.067	0.086	0.135	0.203	0.270

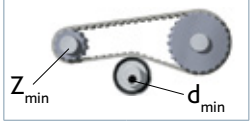
Drive Type A

Type A	T5
Z_{min}	10
d_{min}	30



Drive Type B

Type B	T5
Z_{min}	15
d_{min}	30



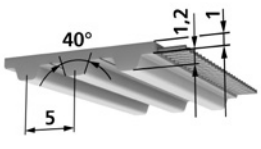
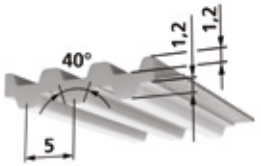
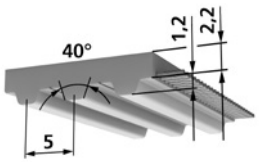
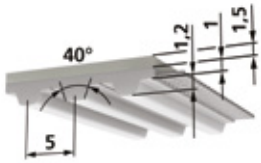
Z_{min} = Minimum number of teeth. d_{min} = Minimum diameter (mm)

T5 BRECOFLEX®





Polyurethane, Steel reinforced, extruded truly endless, standard T Profile to DIN 7721 in metric pitch with trapezoidal toothform.

Standard	Double-sided	Reinforced back of the belt	Version T
			
T5	T5-DL	T5-DR	T5-T

Available endless lengths for T5

- For preferred lengths refer to table
- Under 1,075mm further lengths on request
- Belts under 1,075mm with PAZ Nylon tooth facing
- Over 1,075mm belts lengths available in multiples of 1 tooth
- Over 15,000mm please enquire

T5 BFX	Available lengths & versions	
Standard lengths	See table on the right	
Minimum purchase amount	up to 690mm	1 sleeve
Any number of teeth available from	720mm up to 15,000mm	
Intermediate lengths	from 720mm	o
Standard Plus version	720mm up to 15,000mm	
Over 15,000mm	On request	
Standard material	up to 690mm	TPUST3
	from 720mm	TPUST1[1)]
Steel tension member (standard)	x	
E tension member	o	
Stainless Steel tension member	o	
PAZ	x	
DL/DL-PAZ	from 900mm	o
DR/DR-PAZ	from 900mm	o
T/T-PAZ	o	

x Available, standard lengths (see table) without minimum purchase
o Minimum purchase amount on request
- Not available
1) Further materials on request

Technical Specification

T5 - Allowable tensile load by belt width						
Belt width	b (mm)	10	16	25	32	50
Tension member loadings	F_{adm} (N)	330	570	930	1200	1920
Belt weight (kg/m)	T5	0.022	0.034	0.052	0.067	0.105
	T5-DL	0.028	0.045	0.072	0.099	0.141
	T5-DR	0.036	0.057	0.090	0.115	0.180

Standard lengths (mm)/Number of teeth

Length	No. teeth	Length	No. teeth	Length	No. teeth
200	40	560	112	1800	360
215	43	575	115	1900	380
220	44	610	122	2000	400
225	45	620	124	2120	424
240	48	630	126	2240	448
245	49	660	132	2360	472
255	51	690	138	2500	500
260	52	720	144	2650	530
270	54	750	150	2800	560
280	56	755	151	3000	600
295	59	780	156	3150	630
305	61	800	160	3350	670
330	66	815	163	3550	710
340	68	840	168	3750	750
355	71	850	170	4000	800
365	73	860	172	4250	850
370	74	900	180	4500	900
390	78	945	189	4750	950
400	80	990	198	5000	1000
410	82	1040	208	5300	1060
420	84	1075	215	5600	1120
435	87	1100	220	6000	1200
455	91	1215	243	6300	1260
480	96	1380	276	6700	1340
500	100	1400	280	7100	1420
510	102	1500	300	7500	1500
525	105	1600	320		
545	109	1700	340		

Preferred belt width b (mm) 6,10,16,25,32,50. Other dimensions upon request.

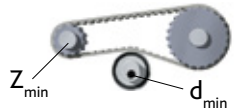
Drive Type A

Type A	T5	T5-DR
Z_{min}	10	20
d_{min}	30	30



Drive Type B

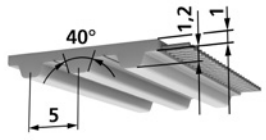
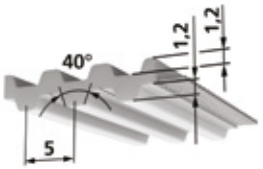
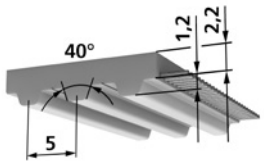
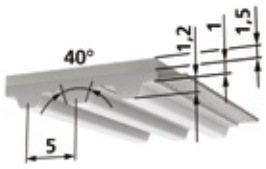
Type B	T5	T5-DR
Z_{min}	15	20
d_{min}	30	60



Z_{min} = Minimum number of teeth. d_{min} = Minimum diameter (mm)

T5 BRECO® Open length (M)/joined (V)

Polyurethane, Steel reinforced, extruded open length & joined, standard T Profile to DIN 7721 in metric pitch with trapezoidal toothform.

Standard/Classic	Double-sided	Reinforced back of the belt	Version T
			
T5	T5-DL	T5-DR	T5-T

For Classic details & options see page 29

Available types for T5

- Single-sided
- Single sided with E tension members
- Special Polyurethanes upon request
- Nylon tooth facing (PAZ)
- Antistatic, coloured, machined, ground and punched belts
- Clamp plates and end connections

Belt widths (mm) Intermediate belt widths on request							
6*	10	16	25	32	50	75	100

* M only

T5 (M/V)		Available lengths and versions
Standard delivery lengths (M)		Rolls of 50 or 100m
Cut to lengths /lengths > 100m		On request
Minimum length joined (V)	b (mm) =10	880mm
	DL	1,000mm
Standard material		TPUST1[1)]
Steel tension member (standard)		x
E tension member		o
Stainless Steel tension member		o
PAZ		x
PAR		x
PAZ-PAR		x
DL/DL-PAZ		o
DR/DR-PAZ		o
T/T-PAZ		o

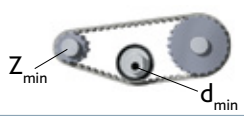
x Available
o Minimum purchase amount on request
- Not available
1) Further materials on request

Technical Specification

T5 – Allowable tensile load by belt width									
Belt width	b (mm)	6	10	16	25	32	50	75	100
Tension member loadings F_{adm}(N)	M	180	300	540	840	1080	1680	2520	3360
	V	-	150	270	420	540	840	1260	1680
Belt weight (kg/m)	T5	0.013	0.021	0.034	0.053	0.068	0.106	0.160	0.233
	T5-DL	-	0.030	0.044	0.070	0.090	0.139	0.208	0.280
	T5-DR	-	0.039	0.063	0.098	0.126	0.196	0.294	0.378
	T5-T	-	0.039	0.063	0.098	0.126	0.196	0.294	0.392

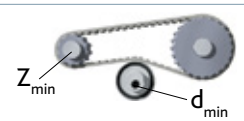
Drive Type A

Type A	T5	T5-DL	T5-DR	T5-T
Z_{min}	10	15	20	20
d_{min}	30	30	30	30



Drive Type B

Type B	T5	T5-DL	T5-DR	T5-T
Z_{min}	15	15	20	20
d_{min}	30	30	60	60



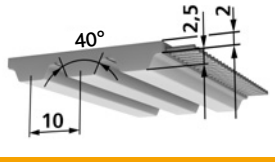
Z_{min} = Minimum number of teeth. d_{min} = Minimum diameter (mm)

T10 & T10-DL CONTI SYNCHROFLEX®

Continental

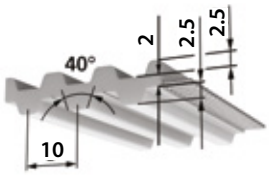
Polyurethane, Steel reinforced, cast truly endless, standard T Profile to DIN 7721 in metric pitch with trapezoidal toothform.

Standard



T10

Double-sided



T10-DL

Available versions:

- Single-sided
- Available with E tension members for increased flexibility
- Available with Aramid tension members
- Special Polyurethanes upon request
- Antistatic, coloured, machined, ground and punched belts
- Backings

Technical Specification

T10 – Allowable tensile load by belt width									
Belt width		b (mm)	16	25	32	50	75	100	150
Tension member loadings		F_{adm}(N)	1200	2000	2700	4300	6600	8800	13400
Belt weight	T10	(kg/m)	0.077	0.120	0.154	0.240	0.360	0.480	0.720
	T10-DL	(kg/m)	0.092	0.143	0.182	0.285	0.428	0.570	0.855

Standard stock lengths (mm)/Number of teeth

Length	No. teeth	Stock length
260	26	✓
260 DL	26	✓
350	35	✓
370	37	✓
400	40	✓
410	41	✓
410 FA	41	O
440	44	✓
450	45	✓
480	48	✓
500	50	✓
530	53	✓
530 DL	53	✓
560	56	✓
600	60	✓
610	61	✓
630	63	✓
630 DL	63	✓
660	66	✓

Length	No. teeth	Stock length
660 DL	66	✓
680	68	✓
690	69	✓
700	70	✓
720	72	✓
720 DL	72	✓
730	73	✓
750	75	✓
760	76	✓
780	78	✓
810	81	✓
840	84	✓
840 DL	84	✓
850	85	✓
880	88	✓
890	89	✓
920	92	✓
960	96	✓
970	97	✓

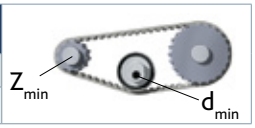
Length	No. teeth	Stock length
980	98	✓
980 DL	98	✓
1010	101	✓
1080	108	✓
1110	111	✓
1140	114	✓
1150	115	✓
1210	121	✓
1210 DL	121	✓
1240	124	✓
1240 DL	124	✓
1250	125	✓
1250 DL	1250	✓
1300	130	✓
1320	132	✓
1320 DL	132	✓
1350	135	✓
1350 DL	135	✓
1390	139	✓

Length	No. teeth	Stock length
1400	140	✓
1420	142	✓
1420 DL	142	✓
1450	145	✓
1460	146	✓
1500	150	✓
1560	156	✓
1610	161	✓
1610 DL	161	✓
1750	175	✓
1780	178	✓
1880	188	✓
1880 DL	188	✓
1960	196	✓
2250	225	✓
3100	310	✓
4780	478	✓
4780 DL**	478	✓

Preferred belt width in mm: 16, 25, 32, 50 – Other dimensions on request ✓ Available O Available on request
FA: with bigger back thickness **DL**: Double-Sided **Please request technical support

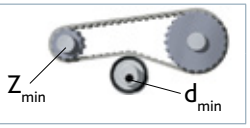
Drive Type A

Type A	T10
Z_{min}	12
d_{min}	60



Drive Type B

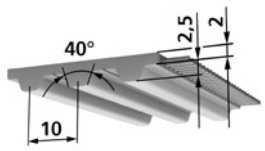
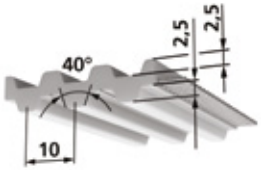
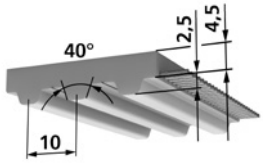
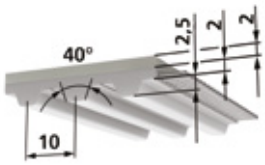
Type B	T10
Z_{min}	20
d_{min}	60



Z_{min} = Minimum number of teeth. d_{min} = Minimum diameter (mm)

T10 BRECOFLEX®

Polyurethane, Steel reinforced, extruded truly endless, standard T Profile to DIN 7721 in metric pitch with trapezoidal toothform.

Standard	Double-sided	Reinforced back of the belt	Version T
			
T10	T10- DL	T10- DR	T10- T

Available types for T10:

- Single-sided
- Single sided with E tension members
- Special Polyurethanes upon request
- Nylon tooth facing (PAZ)
- Antistatic, coloured, machined, ground and punched belts
- Clamp plates and end connections

Standard lengths (mm)/Number of teeth

Length	No. teeth	Length	No. teeth	Length	No. teeth	Length	No. teeth
500	50	970	97	1610	161	4500	450
530	53	980	98	1750	175	4750	475
560	56	990	99	1780	178	5000	500
600	60	1010	101	1880	188	5300	530
610	61	1080	108	1960	196	5600	560
630	63	1150	115	2250	225	6000	600
660	66	1210	121	2360	236	6300	630
690	69	1240	124	2500	250	6700	670
700	70	1250	125	2650	265	7100	710
720	72	1320	132	2800	280	7500	750
780	78	1350	135	3000	300	8000	800
810	81	1390	139	3100	310	9000	900
840	84	1400	140	3150	315		
880	88	1420	142	3350	335		
890	89	1460	146	3750	375		
920	92	1500	150	4000	400		
960	96	1560	156	4250	425		

Technical Specification

T10 – Allowable tensile load by belt width								
Belt width		b (mm)	16	25	32	50	75	100
Tension member loadings		F_{adm}(N)	1000	1800	2300	3800	5800	7800
Belt weight	Standard	kg/m	0.068	0.140	0.145	0.227	0.341	0.454
	DL	kg/m	0.090	0.143	0.183	0.228	0.432	0.577
	DR	kg/m	0.119	0.185	0.237	0.372	0.558	0.795
	T	kg/m	0.107	0.170	0.217	0.342	0.513	0.685

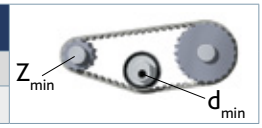
Belt widths (mm) Intermediate belt widths on request					
16	25	32	50	75	100

T10 BFX	Available lengths & versions	
Standard lengths	See table on the left	
Minimum purchase amount	up to 700mm	1 sleeve
Any number of teeth available from	720mm up to 22,000mm	
Intermediate lengths	from 720mm	o
Standard Plus version	720mm up to 22,000mm	
Over 22,000mm	On request	
Standard material	up to 700mm	TPUST3
	from 720mm	TPUST1[1)]
Steel tension member (standard)	x	
E tension member	o	
Stainless Steel tension member	o	
PAZ	x	
DL/DL-PAZ	from 900mm	o
DR/DR-PAZ	from 900mm	o
T/T-PAZ	o	

x Available, standard lengths (see table) without minimum purchase
o Minimum purchase amount on request
- Not available
1) Further materials on request

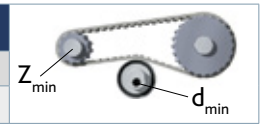
Drive Type A

Type A	T10	DL	DR	T
Z_{min}	12	20	20	20
d_{min}	60	60	60	60



Drive Type B

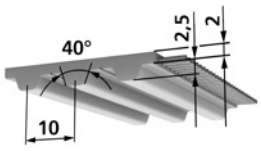
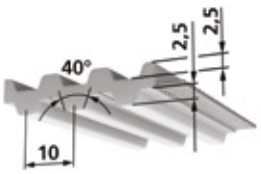
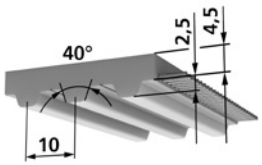
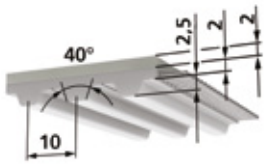
Type B	T10	DL	DR	T
Z_{min}	20	20	20	20
d_{min}	60	60	80	80



Z_{min} = Minimum number of teeth. d_{min} = Minimum diameter (mm)

T10 BRECO® Open Length (M)/Joined (V)

Polyurethane, Steel reinforced, extruded open length & joined, standard T Profile to DIN 7721 in metric pitch with trapezoidal toothform.

Standard/Classic	Double-sided	Reinforced back of the belt	Version T
			
T10	T10- DL	T10- DR	T10- T

For Classic details & options see page 29. Also available in BRECOprotect® see page 152

Available types for T10

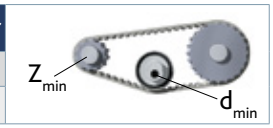
- Single-sided
- Single sided with E tension members
- Special Polyurethanes upon request
- Nylon tooth facing (PAZ)
- Antistatic, coloured, machined, ground and punched belts
- Clamp plates and end connections

Technical Specification

T10 – Allowable tensile load by belt width								
Belt width	b (mm)	16	25	32	50	75	100	150
Tension member loadings F_{adm}(N)	M	1400	2200	2800	4400	6600	8800	13200
	V	700	1100	1400	2200	3300	4400	6600
Belt weight (kg/m)	T10	0.073	0.114	0.145	0.227	0.341	0.454	0.681
	T10-DL	0.094	0.147	0.188	0.293	0.440	0.586	-
	T10-DR	0.109	0.171	0.218	0.341	0.512	0.682	-
	T	0.109	0.171	0.218	0.341	0.512	0.682	-

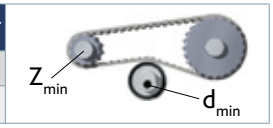
Drive Type A

Type A	T10	T10-E	T10-DL	T10-DL-E	T10-DR	T10-T
Z_{min}	12	10	20	10	20	20
d_{min}	60	50	60	50	60	60



Drive Type B

Type B	T10	T10-E	T10-DL	T10-DL-E	T10-DR	T10-T
Z_{min}	20	15	20	15	20	20
d_{min}	60	50	60	50	80	80



Z_{min} = Minimum number of teeth. d_{min} = Minimum diameter (mm)

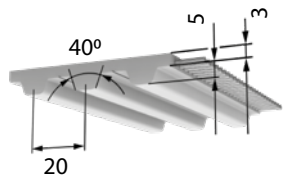
Belt widths (mm) Intermediate belt widths on request						
16	25	32	50	75	100	150

T10 (M/V)		Available lengths and versions
Standard delivery lengths (M)		Rolls of 50 or 100m
Cut to lengths/lengths > 100m		On request
Minimum length joined (V)	Standard	480mm
	DL, DR, T, b=150	1,000mm
Standard material		TPUST1[1)]
Steel tension member (standard)		x
E tension member		o
Stainless Steel tension member		o
PAZ		x
PAR		x
PAZ-PAR		x
DL/DL-PAZ	b_{max}=100	o
DR/DR-PAZ	b_{max}=100	o
T/T-PAZ		o

x Available
o Minimum purchase amount on request
- Not available
1) Further materials on request

T20 Standard CONTI SYNCHROFLEX®

Polyurethane, Steel reinforced, cast truly endless, standard T Profile to DIN 7721 in metric pitch with trapezoidal toothform.

Standard

T20

CONTI SYNCHROFLEX® timing belt T20

Available versions:

- Single-sided
- With E tension member for better flexibility
- With Aramid tension member
- Polyurethane special materials upon request
- Antistatic, coloured, mechanical reworked
- Backings

Belt widths (mm) Intermediate belt widths on request				
32	50	75	100	150

Standard stock lengths (mm)/Number of teeth		
Length	No. teeth	Stock length
1260	63	✓
1460	73	✓
1780	89	✓
1880	94	✓
2600	130	✓
3100	155	✓
3620**	181	✓

Preferred belt width in mm: 32, 50, 75, 100. Other dimensions upon request.
** In combination with reduced pulley gap please ask for technical support

Technical Specification

T20 – Allowable tensile load by belt width						
Belt width	b (mm)	32	50	75	100	150
Tension member loadings	F_{adm}(N)	4750	7750	12000	16000	24500
Belt weight	kg/m	0.269	0.420	0.630	0.840	1.260

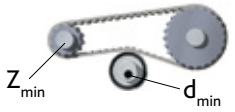
Drive Type A

Type A	T20
Z_{min}	15
d_{min}	120



Drive Type B

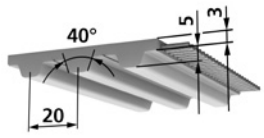
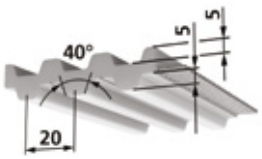
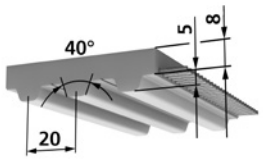
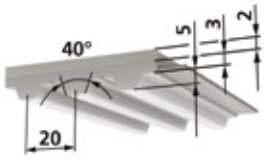
Type B	T20
Z_{min}	25
d_{min}	120



Z_{min} = Minimum number of teeth. d_{min} = Minimum diameter (mm)

T20 BRECOFLEX®

Polyurethane, Steel reinforced, extruded truly endless, standard T Profile to DIN 7721 in metric pitch with trapezoidal toothform.

Standard	Double-sided	Reinforced back of the belt	Version T
			
T20	T20-DL	T20-DR	T20-T

Available types for T20

- Single-sided
- Special Polyurethanes upon request
- Nylon tooth facing (PAZ)
- Nylon back facing (PAR)
- Nylon both facing (PAZ/PAR)
- Antistatic, coloured, machined, ground and punched belts
- Clamp plates and end connections

Standard lengths (mm)/Number of teeth

Length	No. teeth	Length	No. teeth	Length	No. teeth
1500	75	2800	140	5300	265
1600	80	3000	150	5600	280
1700	85	3160	158	6000	300
1800	90	3360	168	6300	315
1900	95	3560	178	6700	335
2000	100	3760	188	7100	355
2120	106	4000	200	7500	375
2240	112	4260	213	8000	400
2360	118	4500	225	8500	425
2500	125	4760	238	9000	450
2660	133	5000	250		

Technical Specification

T20 – Allowable tensile load by belt width

Belt width	b (mm)	32	50	75	100	150
Tension member loadings	F_{adm}(N)	4750	7750	12000	16000	24500
Belt weight (kg/m)	T20	0.236	0.368	0.552	0.736	1.095
	T20-DL	0.319	0.499	0.753	1.004	-
	T20-DR	0.430	0.675	1.016	1.354	-
	T20-T	0.315	0.495	0.746	0.994	-

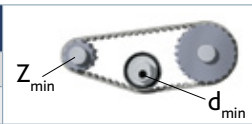
Belt widths (mm) Intermediate belt widths on request				
32	50	75	100	150

T20 BFX		Available lengths and versions	
Standard lengths		See table on the left	
Any number of teeth available from		1,100mm up to 22,000mm	
Width b=150mm		1,500mm up to 15,000mm	
Intermediate lengths		from 1,100mm	o
Standard Plus version		1,500mm up to 22,000mm	
Over 22,000mm		On request	
Standard material		TPUST1[1]	
Steel tension member (standard)		x	
E tension member		o	
Stainless Steel tension member		o	
PAZ		x	
DL/DL-PAZ	b_{max}=100mm	from 1,100mm	o
DR/DR-PAZ	b_{max}=100mm	from 1,100mm	o

x Available, standard lengths (see table) without minimum purchase
o Minimum purchase amount on request
- Not available
1) Further materials on request

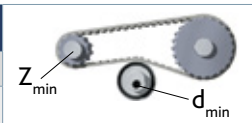
Drive Type A

Type A	T20	T20-DL	T20-DR	T20-T
Z_{min}	15	25	25	25
d_{min}	120	120	150	120



Drive Type B

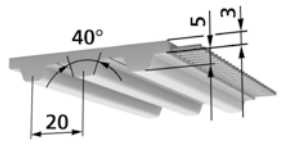
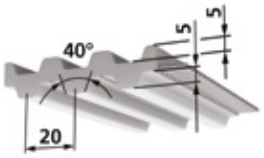
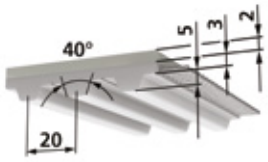
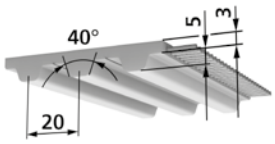
Type B	T20	T20-DL	T20-DR	T20-T
Z_{min}	25	25	25	25
d_{min}	120	120	180	120



Z_{min} = Minimum number of teeth. d_{min} = Minimum diameter (mm)

T20 BRECO® Belts Open Length (M)/Joined (V)

Polyurethane, Steel reinforced, extruded open length & joined, standard T Profile to DIN 7721 in metric pitch with trapezoidal toothform.

Standard	Double-sided	Version T	Classic
			
T20	T20-DL	T20-T	T20

Also available in BRECOprotect® see page 153

For Classic details & options see page 29

Available types for T20

- Single-sided
- Special Polyurethanes upon request
- Nylon tooth facing (PAZ)
- Antistatic, coloured, machined, ground and punched belts
- Clamp plates and end connections

Belt widths (mm) Intermediate belt widths on request					
25	32	50	75	100	150

T20 (M/V)		Available lengths and versions
Standard delivery lengths (M)		Rolls of 50m
Cut to lengths/lengths > 50m		On request
Minimum length joined (V)	Standard	880mm
	DL, T, b=150	1,000mm
Standard material		TPUST1[1]
Steel tension member (standard)		x
E tension member		o
Stainless Steel tension member		o
PAZ		x
PAR		x
PAZ-PAR		x
DL/DL-PAZ	b_{max}=100	o
DR/DR-PAZ		-
T/T-PAZ	b_{max}=100	o

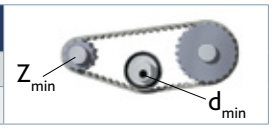
x Available
o Minimum purchase amount on request
- Not available
1) Further materials on request

Technical Specification

T20 – Allowable tensile load by belt width							
Belt width	b (mm)	25	32	50	75	100	150
Tension member loadings F_{adm}(N)	M	3500	4500	7000	10500	14000	20000
	V	1750	2250	3500	5520	7000	10000
Belt weight	kg/m	0,184	0,236	0,368	0,552	0,736	1,095

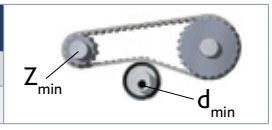
Drive Type A

Type A	T20	T20-DL	T20-T
Z_{min}	15	25	25
d_{min}	120	150	120

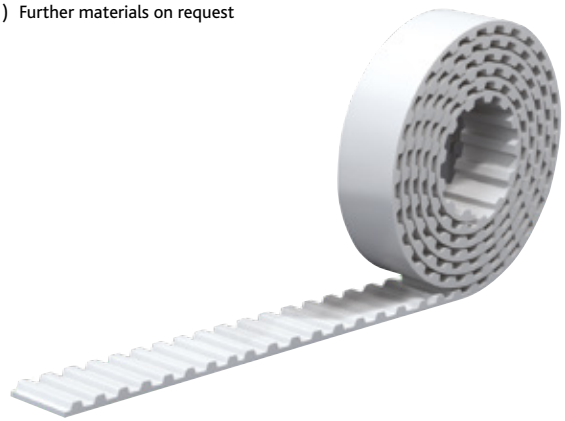


Drive Type B

Type B	T20	T20-DL	T20-T
Z_{min}	25	25	25
d_{min}	120	180	180



Z_{min} = Minimum number of teeth. d_{min} = Minimum diameter (mm)



24hr Breakdown available
Customisable product
Product code builder
Compatible product

Continental

BRECO TIMING BELTS

HTD Series Timing Belts



- MAINTENANCE FREE
- DESIGNED FOR HIGH DYNAMIC STRESSES
- TEMPERATURE RANGE -10°C TO +80°C
- RUNS ON NORMAL HTD PULLEYS



HTD SERIES TIMING BELTS

Effiency, precision and durability all in one.

CONTI SYNCHRODRIVE® Belts

CONTI® SYNCHRODRIVE belts are power transmission elements made from a highly durable black polyurethane elastomer incorporating Steel tension members and can be used in the open-ended or joined-form. In all cases, they ensure that rotary motion is transmitted uniformly and with angular precision. Joined belt strength is approximately half the strength of the parent material.

Compact drive design

High dynamic stability and flexibility allows the use of small pulley diameters, small centre distances, and reverse idlers. This enables a lightweight, low-cost drive setup with less space requirement.

High efficiency

The superb flexural properties of the synchronous drive belt as well as the exact dimensional meshing of the belt and pulley tooth form permit drives with an efficiency of 98%.

Construction

Polyurethane teeth and backing

Belt teeth and backing are made from a tough Polyurethane elastomer with excellent adhesion to the tension member. The high wear resistance of the Polyurethane ensures trouble-free drive performance and a long service life. These features are enhanced even more by the balanced layout of the tension cords.

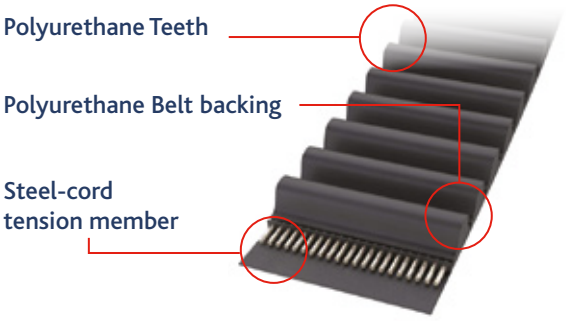
Steel-cord tension member

Synchronous drive belts for positive drive systems must have a high resistance to elongation and a high tensile strength. Extra-strong Steel tension cords, laid parallel to the belt edges, guarantee the belt's high loading capacity and accurate running properties.

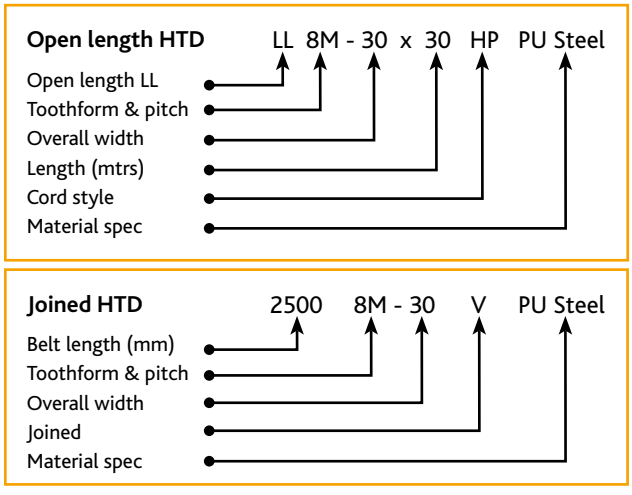
Continental

CONTI® SYNCHRODRIVE Belts are resistant to:

- Wear
- Oil and grease
- Petrol and benzene
- Hydrolysis
- UV and ozone
- Temperatures ranging from – 10°C to +80°C



CONTI® SYNCHRODRIVE Ordering examples





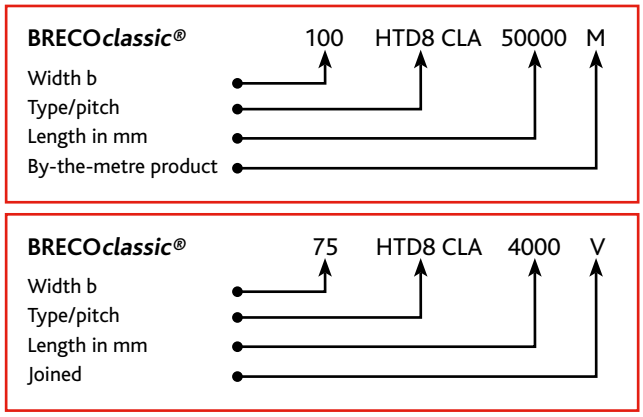
BRECO*classic*® HTD Belts

The BRECO*classic*® product range is comprised of several pitches, including HTD variants, in the T-, AT-, and Imperial series. They are available as both joined products and open length goods. HTD models are also available. All of these products have one thing in common; they are made of a cost-efficient white polyurethane with a Shore hardness of 92 A (TPUCLA) and they feature tension members whose design is optimally adapted to the BRECO*classic*®.

The alternative standard BRECO*classic*® timing belts;

- Material: TPUCLA and standard tension members STA-CL
- Selection of different tooth profiles and pitches
- The low-cost, white alternative for simple tasks in transport and linear technology
- Favourable prices due to standardised production
- Variety due to a selection of coatings, mechanical rework options and weld-on profiles

BRECO*classic*® Ordering examples





HTD Series pulleys

HTD Series belts run on our standard stock HTD pulleys, for pilot bore and taper bush type.

See Page 360

HTD Series Comparison

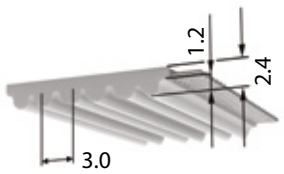
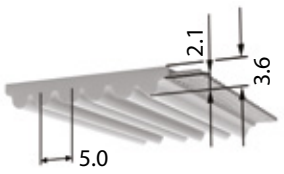
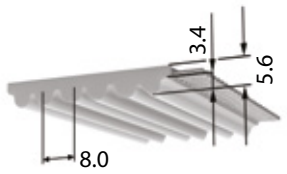
Brand	CONTI Synchrodrive®	BRECOclassic®
Width	See tables on following pages relating to standard widths	
Open length toothforms	3M, 5M, 8M, S8M, 14M, S14M, 20M	5M, 8M
Joined toothforms	5M, 8M & 14M	5M, 8M
Materials	Black PU, Steel cords	White PU, Steel cords
Covering options	PAZ, on the toothed side.	
	PAR, on the back of the belt	
Cord options	HF - High flexibilty version (except 3M)	Standard Steel only
	HP - High power version (stock version)	
	HS - High strength version (S5M & S8M only)	
	XHP - Extreme high power version (14M only)	

3M, 5M & 8M CONTI® SYNCHRODRIVE

24 70 363 365 368

Continental

CONTI® SYNCHRODRIVE are made from a highly durable black Polyurethane elastomer incorporating Steel tension members.

Standard	Standard	Standard
		
HTD 3M	HTD 5M	HTD 8M

High efficiency

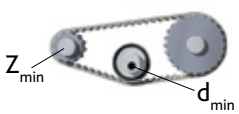
The superb flexural properties of the synchronous drive belt, as well as the exact dimensional meshing of the belt and pulley tooth form, permit drives with an efficiency of 98%.

CONTI® SYNCHRODRIVE belts are resistant to:

- Wear
- Oil and grease
- Petrol and benzene
- Hydrolysis
- UV and ozone
- Temperatures ranging from – 10 °C to +80 °C

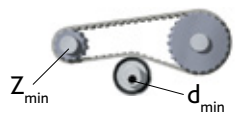
Drive Type A

Type A	3M	5M	8M
Z_{min}	20	16	20
d_{min}	19	24	50



Drive Type B

Type B	3M	5M	8M
Z_{min}	20	16	22
d_{min}	30	50	100



Z_{min} = Minimum number of teeth. d_{min} = Minimum diameter (mm)

Stock

HTD 3M				
Belt width	5	10	15	25
Tension member loading* (N)	150	300	450	750
Belt Weight (kg/m)	0.016	0.032	0.047	0.079

HTD 5M				
Belt width	10	15	25	50
Tension member loading* (N)	650	975	1625	3250
Belt Weight (kg/m)	0.041	0.061	0.102	0.203

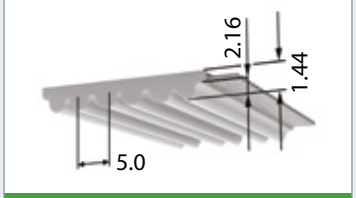
HTD 8M				
Belt width	20	30	50	85
Tension member loading* (N)	2400	3600	6000	10200
Belt Weight (kg/m)	0.126	0.190	0.316	0.537

24 24hr Breakdown available | Customisable product | XX Product code builder | XX Compatible product

5M & 8M BRECO*Classic*® Open Length (M)/Joined (V)

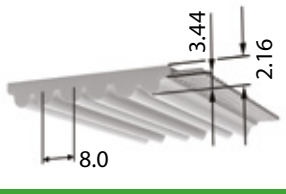
BRECO TIMING BELTS

Classic



HTD 5M

Classic



HTD 8M

HTD 5M Belt widths (mm) Intermediate belt widths on request			
25	50	75	100

Available lengths & Versions	HTD 5M (M/V)
Standard delivery lengths (M)	rolls of 50 or 100 m
Cut to lengths/lengths > 100 m	On request
Minimum length joined (V) (b≤100 mm)	880 mm
Minimum length joined (V) (b>100 mm)	-
Standard material	TPUCLA
Steel tension member (standard)	x
E tension member	-
Stainless Steel tension member	-
PAZ	x
PAR	-
PAZ-PAR	x
DL/DL-PAZ	-
DR/DR-PAZ	-
T/T-PAZ	-

HTD 8M Belt widths (mm) Intermediate belt widths on request			
25	50	75	100

Available lengths & Versions	HTD 8M (M/V)
Standard delivery lengths (M)	rolls of 50 or 100 m
Cut to lengths/lengths > 100 m	On request
Minimum length joined (V) (b≤100 mm)	880 mm
Minimum length joined (V) (b>100 mm)	-
Standard material	TPUCLA
Steel tension member (standard)	x
E tension member	-
Stainless Steel tension member	-
PAZ	x
PAR	-
PAZ-PAR	x
DL/DL-PAZ	-
DR/DR-PAZ	-
T/T-PAZ	-

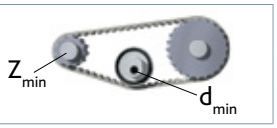
x Available o Minimum purchase amount on request - Not available

Technical Specification

Admissible tensile force of the belt F_{adm} / belt weight									
		HTD 5M	HTD 8M	HTD 5M	HTD 8M	HTD 5M	HTD 8M	HTD 5M	HTD 8M
Belt width b (mm)		25	25	50	50	75	75	100	100
M	E / Steel tension member F_{Tadm}(N)	1,750	4,250	2,240	8,500	3,500	12,750	5,250	17,000
M	Specific elasticity (E/Steel tension member) C_{spez}(N)	0.44·10^6	1.06·10^6	0.56·10^6	2.12·10^6	0.875·10^6	3.18·10^6	1.31·10^6	4.25·10^6
V	E / Steel tension member F_{Tadm}(N)	875	2,125	1,120	4,250	1,750	6,375	2,625	8,500
Belt weight (kg/m)		0.093	0.16	0.185	0.32	0.278	0.48	0.37	0.64

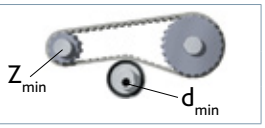
Drive Type A

Type A	5M	8M
Z_{min}	18	20
d_{min}	30	50



Drive Type B

Type B	5M	8M
Z_{min}	25	32
d_{min}	60	120

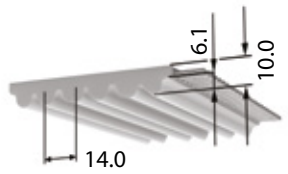


Z_{min} = Minimum number of teeth. d_{min} = Minimum diameter (mm)

14M & 20M CONTI® SYNCHRODRIVE

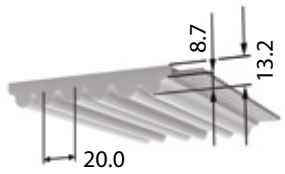
CONTI SYNCHRODRIVE® are made from a highly durable black Polyurethane elastomer incorporating Steel tension members.

Standard



HTD 14M

Standard



HTD 20M

High efficiency

The superb flexural properties of the synchronous drive belt, as well as the exact dimensional meshing of the belt and pulley tooth form, permit drives with an efficiency of 98%.

CONTI® SYNCHRODRIVE belts are resistant to:

- Wear
- Oil and grease
- Petrol and benzene
- Hydrolysis
- UV and ozone
- Temperatures ranging from – 10 °C to +80 °C



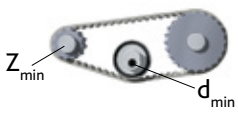
Stock

HTD 14M				
Belt width	40	55	85	115
Tension member loading* (N)	8400	11550	17850	24150
Belt Weight (kg/m)	0.451	0.620	0.956	1.296

HTD 20M			
Belt width	50	100	150
Tension member loading* (N)	30000	62500	95000
Belt Weight (kg/m)	1	2	3

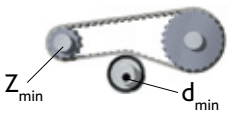
Drive Type A

Type A	14M	20M
Z_{min}	26	40
d_{min}	115	254



Drive Type B

Type B	14M	20M
Z_{min}	28	-
d_{min}	160	-



Z_{min} = Minimum number of teeth. d_{min} = Minimum diameter (mm)

Continental

BRECO TIMING BELTS

BRECOflex TIMING BELTS

Imperial Series Timing Belts

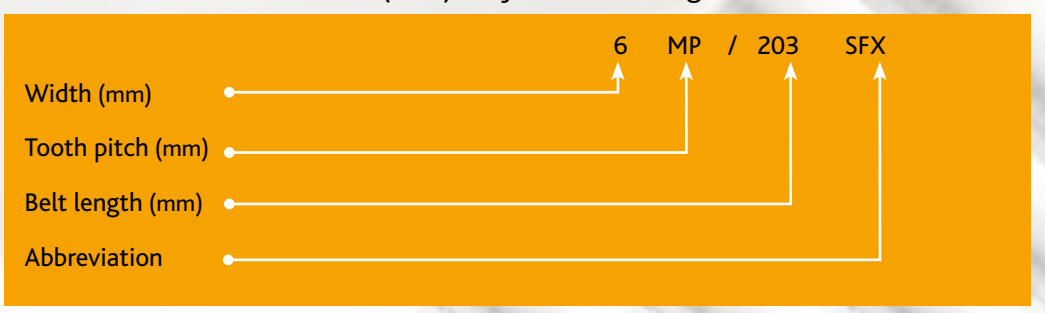


- SYNCHRONOUS RUNNING
- LOW NOISE
- EFFICIENCY - MAX 98%
- TEMPERATURE RANGE INCREASED TO 80°C
- RUNS ON STANDARD IMPERIAL PULLEYS

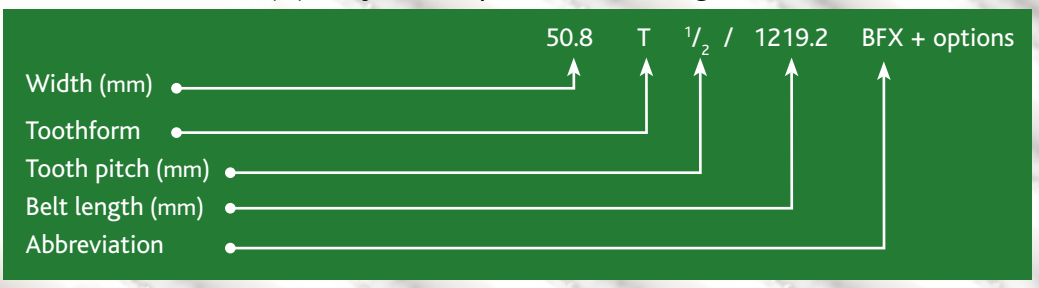
Imperial Pitch Timing Belt Order Examples

Four standard types

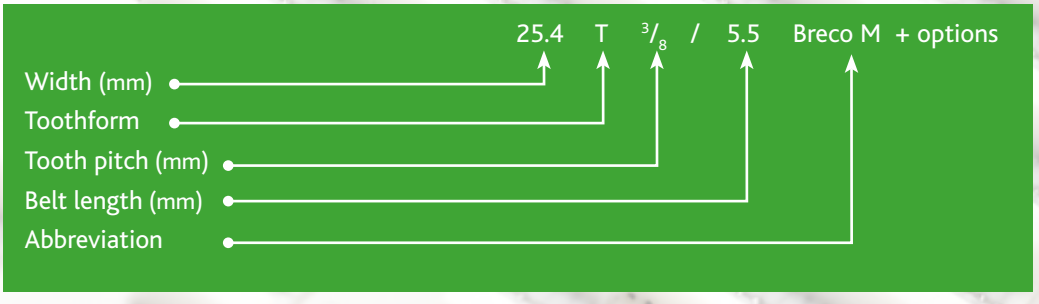
SYNCHROFLEX® Mini Pitch (MXL) truly endless belting from stock.



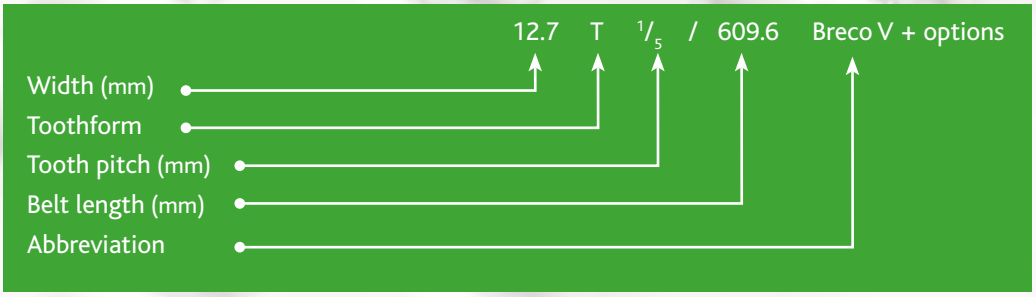
BRECOFLEX® T ½" (H) truly endless power drive belting made to order.



BRECO® M T 3/8" (L) open length linear drive belting from stock.



BRECO® V T 1/5" (XL) joined conveyor belting from stock.



For other options, backings, cord types, flighted belts, self tracking, etc.
contact sales@transdev.co.uk.

Additional Belt Options

Available options in BRECOFLEX® truly endless, BRECO® M Open length & BRECO® V joined belts.

PAZ	Low friction green fabric tooth covering, (quiet running)
PAR	Low friction green fabric back covering, (Accumulating conveyor)
KEV	Aramid tension cords, (Non-magetic or food use) not all sizes
ST ST	Stainless Steel tension cords, – (Food or under water use)
DL	Double sided belt, (for serpentine drives) T $^{1}/_{2}$ only
T	Thicker Polyurethane (PU) backing, 85 shore A, T $^{1}/_{2}$ only
DR	Thicker PU backing, 92 Shore A Hardness, T $^{1}/_{2}$ only
FD1	Food or medical grade PU, (Use Aramid or Stainless Steel cords)
KF1	Low operating temperature PU -25°C to+5°C
WB1	High operating temperature PU +20°C TO 110°C
AS1	Antistatic PU
UV	Higher resistance to Ultra Violet (UV) light PU

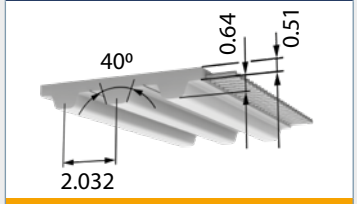
- Other options may be available on request
- Some options can be combined, please ask
- Minimum order quantities may apply



Mini Pitch (MXL) CONTI SYNCHROFLEX®

Standard trapezoidal teeth according to DIN/ISO 5296 with Mini Pitch (2.032mm=0.08 Inches)

Standard



MP (MXL)

CONTI SYNCHROFLEX® timing belts MP (MXL)

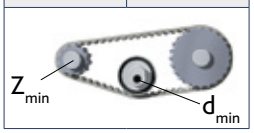
Standard trapezoidal teeth according to DIN/ISO 5296 with Mini Pitch (2.032mm=0.08 Inch).
The technical data refer to standard Polyurethane and standard Steel cord tension members.

Available version:

- Single-sided
- With Aramid tension member
- Polyurethane special materials upon request
- Antistatic, coloured, mechanical reworked

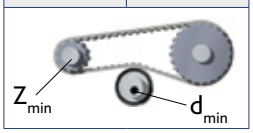
Drive Type A

Type A	MP (MXL)
Z_{min}	10
d_{min}	15



Drive Type B

Type B	MP (MXL)
Z_{min}	18
d_{min}	15



Z_{min} = Minimum number of teeth. d_{min} = Minimum diameter (mm)

Standard stock lengths (mm)/Number of teeth

Type	Length	No. teeth	Type	Length	No. teeth
MP 111	111.76	55	MP 256	256.03	126
MP 113	113.79	56	MP 264	264.16	130
MP 121	121.92	60	MP 284	284.48	140
MP 132	132.08	65	MP 304	304.80	150
MP 142	142.24	70	MP 355	355.60	175
MP 144	144.27	71	MP 373	373.89	184
MP 162	162.56	80	MP 449	449.07	221
MP 182	182.88	90	MP 503	503.94	248
MP 197	197.10	97	MP 508	508.00	250
MP 203	203.20	100	MP 520	520.19	256
MP 209	209.30	103	MP 599	599.44	295
MP 213	213.36	105	MP 731	731.52	360
MP 243	243.86	120	MP 1178	1178.56	580

Preferred belt width in mm: 4, 6, 10. Other dimensions upon request.

Technical Specification

MP (MXL) – Allowable tensile load by belt width							
Belt width	b (mm)	4	6	10	16	25	32
Tension member loadings	F_{adm}(N)	39	65	117	195	312	403
Belt weight	kg/m	0.005	0.007	0.012	0.019	0.030	0.038

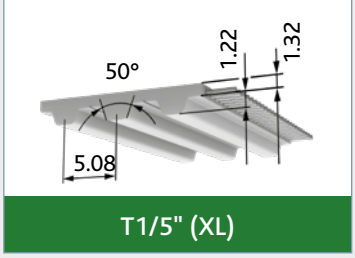


See **MXL Pulleys – Page 407**

T1/5" (XL) BRECOFLEX®

Polyurethane, Steel reinforced, extruded truly endless. Classic imperial pitch with trapezoidal toothform.

Standard



T1/5" (XL)

BRECOFLEX® timing belts T1/5" (XL)

- Single sided
- Nylon tooth facing (PAZ)
- Special Polyurethanes upon request
- Antistatic, coloured, machined, ground and punched belts

T1/5" L BFX	Available lengths and versions
Standard stock lengths	See table on right
Minimum purchase amount	1 sleeve
Further lengths	On request
Standard material	TPUST3[1)]
Steel tension member (standard)	x
E tension member	-
Stainless Steel tension member	-
PAZ	x
DL/DL-PAZ	-
DR/DR-PAZ	-
T/T-PAZ	-

x Available
o Minimum purchase amount on request
- Not available
1) Further materials on request

Technical Specification

T 1/5 (XL) – Allowable tensile load by belt width							
Belt width	b (mm)	6.35	7.94	9.53	12.7	19.1	25.4
Tension member loadings	F_{adm}(N)	180	240	300	420	690	930
Belt weight	kg/m	0.016	0.020	0.024	0.030	0.038	0.061

Preferred Belt widths b (mm) Intermediate and larger width upon request					
6.35	7.94	9.53	12.7	19.1	25.4
1/4"	5/16"	3/8"	1/2"	3/4"	1"

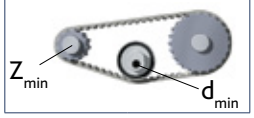
Standard lengths (mm)/Number of teeth

Type	Length	No. teeth
60 XL	152.40	30
70 XL	177.80	35
80 XL	203.20	40
90 XL	228.60	45
100 XL	254.00	50
110 XL	279.40	55
120 XL	304.80	60
130 XL	330.20	65
140 XL	355.60	70
150 XL	381.00	75
160 XL	406.40	80

Type	Length	No. teeth
170 XL	431.80	85
180 XL	457.20	90
190 XL	482.60	95
200 XL	508.00	100
210 XL	533.40	105
220 XL	558.80	110
230 XL	584.20	115
240 XL	609.60	120
250 XL	635.00	125
260 XL	660.40	130

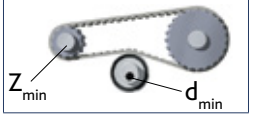
Drive Type A

Type A	T1/5 (XL)
Z_{min}	10
d_{min}	30



Drive Type B

Type B	T1/5 (XL)
Z_{min}	15
d_{min}	30

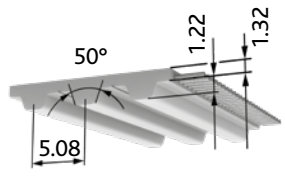


Z_{min} = Minimum number of teeth. d_{min} = Minimum diameter (mm)

T1/5" (XL) BRECO® Open Length (M)/Joined (V)

Polyurethane, Steel reinforced, extruded open length & joined. Classic imperial pitch with trapezoidal toothform.

Standard



T1/5" (XL)

BRECO® timing belts T1/5" (XL)

- Polyurethane, Steel reinforced, joined & open length belting
- Classic imperial pitch with trapezoidal toothform

Available types for T1/5" (XL):

- Single sided
- Nylon tooth facing (PAZ)
- Nylon back facing (PAR)
- Nylon both facing (PAZ/PAR)
- Special Polyurethanes upon request
- Antistatic, coloured, machined, ground and punched belts

Technical Specification

T1/5" (XL) – Allowable tensile load by belt width					
Belt width	b (mm)	9.53	12.7	19.1	25.4
Tension member loadings	M	330	390	660	840
	V	165	195	330	420
Belt weight	(kg/m)	0.023	0.030	0.046	0.061

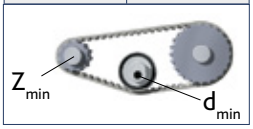
Preferred belt widths (mm) Intermediate and larger width upon request					
6.35	7.94	9.53	12.7	19.1	25.4
1/4"	5/16"	3/8"	1/2"	3/4"	1"

T1/5" (MV)		Available lengths and versions
Standard delivery lengths (M)		Rolls of 50 or 100m
Cut to lengths/lengths > 100m		On request
Minimum length joined (V)	b_{min}=7,94	460mm
Standard material		TPUST1[1)]
Steel tension member (standard)		x
E tension member		-
Stainless Steel tension member		-
PAZ		x
PAR		x
PAZ-PAR		x
DL/DL-PAZ		-
DR/DR-PAZ		-
T/T-PAZ		-

x Available
o Minimum purchase amount on request
- Not available
1) Further materials on request

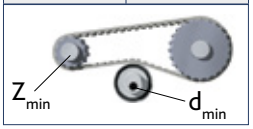
Drive Type A

Type A	T1/5 (XL)
Z_{min}	10 (25)
d_{min}	30 (60)



Drive Type B

Type B	T1/5 (XL)
Z_{min}	15 (25)
d_{min}	30 (60)



Z_{min} = Minimum number of teeth. d_{min} = Minimum diameter (mm)

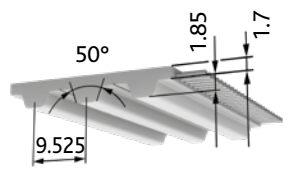
Values in brackets apply to joined timing belts.

T3/8" (L) BRECOFLEX®

76 413 429

Polyurethane, Steel reinforced, extruded truly endless. Classic imperial pitch with trapezoidal toothform.

Standard



T3/8" (L)

BRECOFLEX® timing belts T3/8" (L)

- Single sided
- Nylon tooth facings (PAZ), (PAR), (PAZ/PAR)
- Special Polyurethanes upon request
- Antistatic, coloured, machined, ground and punched belts

Standard stock lengths (mm)/Number of teeth

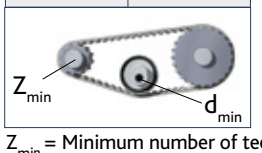
Type	Length	No. teeth
124 L	314.33	33
150 L	381.00	40
187 L	476.25	50
202 L	514.35	54
210 L	533.40	56
225 L	571.50	60
240 L	609.60	64
255 L	647.70	68
270 L	685.80	72
285 L	723.90	76
300 L	762.00	80
322 L	819.15	86
345 L	876.30	92

Type	Length	No. teeth
367 L	933.45	98
390 L	990.60	104
420 L	1066.80	112
450 L	1143.00	120
480 L	1219.20	128
540 L	1371.60	144
570 L	1447.80	152
600 L	1524.00	160
630 L	1600.20	168
660 L	1676.40	176
705 L	1790.70	188
750 L	1905.00	200

L maximum length = 14,992.35mm

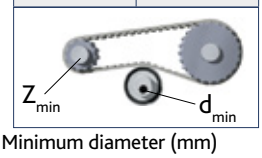
Drive Type A

Type A	T3/8" (L)
Z_{min}	15
d_{min}	60



Drive Type B

Type B	T3/8" (L)
Z_{min}	20
d_{min}	60



Z_{min} = Minimum number of teeth. d_{min} = Minimum diameter (mm)

Preferred belt widths (mm) Intermediate and larger width upon request							
9.53	12.7	19.1	25.4	38.1	50.8	76.2	101.6
3/8"	1/2"	3/4"	1"	1.5"	2"	3"	4"

T3/8" L BFX	Available lengths and versions	
Standard stock lengths	See table on left	
Minimum purchase amount	Up to 685.8mm	1 sleeve
Any number of teeth available from	723.9mm up to 14,992.35mm	
Intermediate lengths	from 723.9mm	o
Standard Plus version	723.9mm up to 14,992.35mm	
Over 14,992.35mm	On request	
Standard material	Up to 685.8mm	TPUST3
	From 723.9mm	TPUST1[1)]
Steel tension member (standard)	x	
E tension member	-	
Stainless Steel tension member	-	
PAZ	x	
DL/DL-PAZ	-	-
DR/DR-PAZ	-	-
T/T-PAZ	-	

x Available
o Minimum purchase amount on request
- Not available
1) Further materials on request

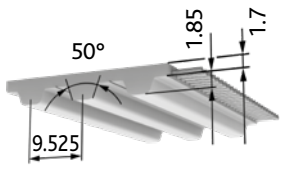
Technical Specification

T3/8" (L) – Allowable tensile load by belt width							
Belt width	b (mm)	9,53	12,7	19,1	25,4	50,8	101,6
Tension member loadings	F_{adm}(N)	630	910	1470	2030	4270	8750
Belt weight	kg/m	0,038	0,044	0,066	0,088	0,178	0,356

T3/8" (L) BRECO® Open Length (M)/Joined (V)

Polyurethane, Steel reinforced, extruded open length & joined. Classic imperial pitch with trapezoidal toothform.

Standard



T3/8" (L)

BRECO® timing belts T3/8" (L)

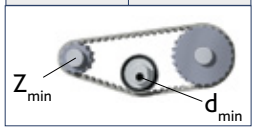
- Polyurethane, Steel reinforced, joined & open length belting

Available types for T3/8" (L):

- Single sided
- Nylon tooth facing (PAZ)
- Nylon back facing (PAR)
- Nylon both facing (PAZ/PAR)
- Special Polyurethanes upon request
- Antistatic, coloured, machined, ground and punched belts

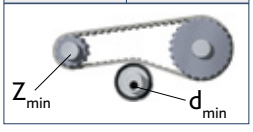
Drive Type A

Type A	T3/8" (L)
Z_{min}	15 (20)
d_{min}	60



Drive Type B

Type B	T3/8" (L)
Z_{min}	20 (25)
d_{min}	60 (80)



Z_{min} = Minimum number of teeth. d_{min} = Minimum diameter (mm)

Values in brackets apply to joined timing belts.

Belt widths (mm) Intermediate belt widths on request						
9,53	12,7	19,1	25,4	38,1	50,8	76,2
3/8"	1/2"	3/4"	1"	1.5"	2"	3"

T3/8" (M/V)	Available lengths and versions
Standard delivery lengths (M)	Rolls of 50 or 100m
Cut to lengths/lengths > 100m	On request
Minimum length joined (V)	880mm
Standard material	TPUST1[1)]
Steel tension member (standard)	x
E tension member	-
Stainless Steel tension member	-
PAZ	x
PAR	x
PAZ-PAR	x
DL/DL-PAZ	-
DR/DR-PAZ	-
T/T-PAZ	-

x Available
o Minimum purchase amount on request
- Not available
1) Further materials on request

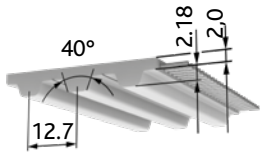
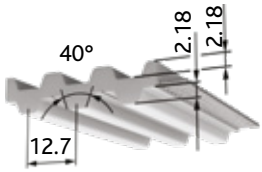
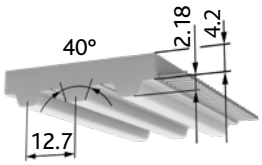
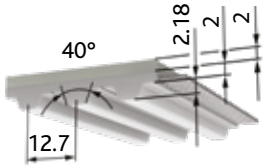
Technical Specification

T3/8" (L) – Allowable tensile load by belt width								
Belt width	b (mm)	9.53	12.7	19.1	25.4	38.1	50.8	76.2
Tension member loadings	M	630	840	1260	1680	2520	3500	5040
	V	315	420	630	840	1260	1750	-
Belt weight	kg/m	0.033	0.044	0.066	0.080	0.133	0.178	0.266

T1/2" (H) BRECOFLEX®



Polyurethane, Steel reinforced, extruded truly endless. Classic imperial pitch with trapezoidal toothform.

Standard	Double-sided	Reinforced back of the belt	Version T
			
T1/2" (H)	T1/2" (H) DL	T1/2" (H) DR	T1/2" (H) T

Available types for T1/2" (H)

- Single sided
- Nylon tooth facing (PAZ)
- Special Polyurethanes upon request
- Antistatic, coloured, machined, ground and punched belts

Standard stock lengths (mm)/Number of teeth

Type	Length	No. teeth
420 H	1066,80	84
450 H	1143,00	90
480 H	1219,20	96
510 H	1295,40	102
540 H	1371,60	108
570 H	1447,80	114
600 H	1524.00	120
630 H	1600.20	126
660 H	1676.40	132
700 H	1778.00	140
750 H	1905.00	150
800 H	2032.00	160

Type	Length	No. teeth
850 H	2159.00	170
900 H	2286.00	180
1000 H	2540.00	200
1100 H	2794.00	220
1250 H	3175.00	250
1400 H	3556.00	280
1700 H	4318.00	340
2000 H	5080.00	400
2300 H	5842.00	460
2600 H	6604.00	520
3000 H	7620.00	600

x Available, standard lengths (see table) without minimum purchase
o Minimum purchase amount on request
- Not available
1) Further materials on request

Preferred belt widths (mm) Intermediate and larger width upon request						
12.7	19.1	25.4	38.1	50.8	76.2	101.6
1/2"	3/4"	1"	1.5"	2"	3"	4"

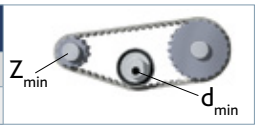
T1/2"H BFX	Available lengths and versions	
Standard stock lengths	See table on left	
Any number of teeth available from	723.9mm up to 16,002mm	
Intermediate lengths	from 723.9mm	o
Standard Plus version	723.9mm up to 16,002mm	
Over 16,002mm	On request	
Standard material	from 723.9mm	TPUST1[1]
Steel tension member (standard)	x	
E tension member	-	
Stainless Steel tension member	-	
PAZ	x	
DL/DL-PAZ	from 901.7mm	o
DR/DR-PAZ	from 901.7mm	o
T/T-PAZ	o	

Technical Specification

T1/2" (H) – Allowable tensile load by belt width								
Belt width	b (mm)	12.7	19.1	25.4	38.1	50.8	76.2	101.6
Tension member loadings	F_{adm}(N)	800	1300	1800	2800	3800	5800	7900
Belt weight (kg/m)	H	0.053	0.079	0.108	0.161	0.216	0.324	0.432
	H-DL	0.064	0.097	0.130	0.196	0.262	0394	0.527
	H-DR	0.085	0.128	0.171	0.258	0.345	0.518	0.692
	H-T	0.082	0.124	0.165	0.249	0.333	0.499	0.668

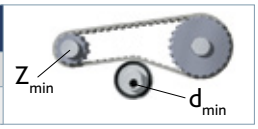
Drive Type A

Type A	T1/2 (H)	DL	DR	T
Z_{min}	20	20	20	20
d_{min}	60	60	80	80



Drive Type B

Type B	T1/2 (H)	DL	DR	T
Z_{min}	20	20	20	20
d_{min}	80	80	80	80



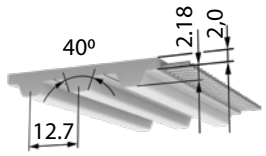
Z_{min} = Minimum number of teeth. d_{min} = Minimum diameter (mm)

T1/2" (H) BRECO® Open Length (M)/Joined (V)

24 76 416 432

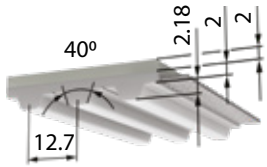
Polyurethane, Steel reinforced, extruded open length & joined. Classic imperial pitch with trapezoidal toothform.

Standard



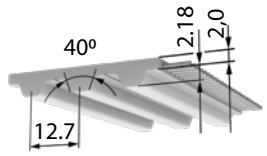
T1/2" (H)

Version T



T1/2" (H) T

Classic



T1/2" (H)

For Classic details & options see page 29

BRECO® timing belts T1/2" (H)

- Polyurethane, Steel reinforced, Joined & open length belting

Available types for T1/2" (H):

- Single sided
- Nylon tooth facing (PAZ)
- Special Polyurethanes upon request
- Antistatic, coloured, machined, ground and punched belts

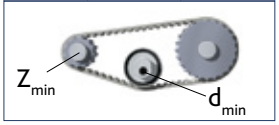
Belt widths b (mm) – Intermediate belt widths on request							
12,7	19,1	25,4	38,1	50,8	76,2	101,6	152,4
1/2"	3/4"	1"	1.5"	2"	3"	4"	6"

T1/2" (M/V)		Available lengths and versions
Standard delivery lengths (M)		Rolls of 50 or 100m
Cut to lengths/lengths > 100m		On request
Minimum length joined (V)	Standard	480mm
	b=152,4	1,000mm
Standard material		TPUST1[1)]
Steel tension member (standard)		x
E tension member		-
Stainless Steel tension member		o
PAZ		x
PAR		x
PAZ-PAR		x
DL/DL-PAZ		-
DR/DR-PAZ		-
T/T-PAZ	b_{max}=101.6	o

x Available
o Minimum purchase amount on request
- Not available
1) Further materials on request

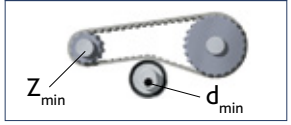
Drive Type A

Type A	T1/2"	T1/2"-T
Z_{min}	14	20
d_{min}	60	80



Drive Type B

Type B	T1/2"	T1/2"-T
Z_{min}	20	20
d_{min}	80	80



Z_{min} = Minimum number of teeth. d_{min} = Minimum diameter (mm)

Technical Specification

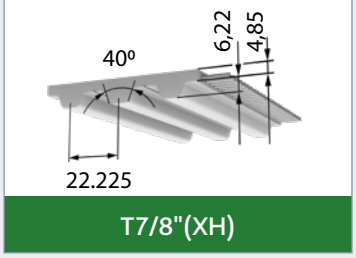
T1/2" (H) – Allowable tensile load by belt width									
Belt width	b (mm)	12.7	19.1	25.4	38.1	50.8	76.2	101.6	152.4
Tension member loadings F_{adm}(N)	M	1000	1600	2200	3200	4400	6600	8800	13200
	V	500	800	1100	1600	2200	3300	4400	6600
Belt weight (kg/m)	T1/2"	0.053	0.081	0.108	0.161	0.216	0.324	0.432	0.648
	T1/2"-T	0.084	0.127	0.169	0.253	0.338	0.507	0.676	-

24 24hr Breakdown available
Customisable product
XX Product code builder
XX Compatible product

T7/8" (XH) BRECOFLEX®

Polyurethane, Steel reinforced, extruded truly endless. Classic imperial pitch with trapezoidal toothform.

Standard



T7/8"(XH)

Available types for T7/8" (XH)

- Single sided
- Nylon tooth facing (PAZ)
- Special Polyurethanes upon request
- Antistatic, coloured, machined, ground and punched belts

Standard stock lengths (mm)/Number of teeth

Type	Length	No. teeth	Type	Length	No. teeth
560 XH	1422.40	64	1400 XH	3556.00	160
630 XH	1600.20	72	1540 XH	3911.60	176
700 XH	1778.00	80	1750 XH	4445.00	200
770 XH	1955.80	88	1960 XH	4978.40	224
840 XH	2133.60	96	2275 XH	5778.50	260
980 XH	2489.20	112	2450 XH	6223.00	280
1120 XH	2844.80	128	3500 XH	8890.00	400
1260 XH	3200.40	144			

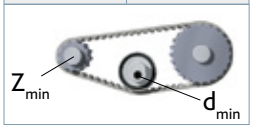
Preferred belt widths (mm) Intermediate and larger width upon request		
50.8	76.2	101.6
2"	3"	4"

T7/8" (XH)	Available lengths and versions	
Standard lengths	See table on the left	
Any number of teeth available from	1,422.4mm up to 16,002mm	
Intermediate lengths	From 1,422.4mm	o
Standard Plus version	1,422.4mm up to 16,002mm	
Over 16,002mm	On request	
Standard material	TPUST1[1)]	
Steel tension member (standard)	x	
E tension member	-	
Stainless Steel tension member	-	
PAZ	x	
DL/DL-PAZ	-	
DR/DR-PAZ	-	
T/T-PAZ	-	

x Available, standard lengths (see table) without minimum purchase
o Minimum purchase amount on request
- Not available
1) Further materials on request

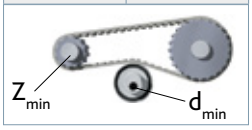
Drive Type A

Type A	T7/8" (XH)
Z_{min}	18
d_{min}	150



Drive Type B

Type B	T7/8" (XH)
Z_{min}	25
d_{min}	180



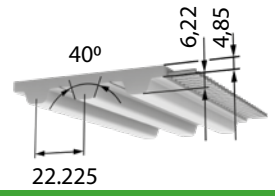
Z_{min} = Minimum number of teeth. d_{min} = Minimum diameter (mm)

Technical Specification

T7/8 " (XH) – Allowable tensile load by belt width				
Belt width	b (mm)	50.8	76.2	101.6
Tension member loadings	F_{adm}(N)	7750	12000	16250
Belt weight	kg/m	0.530	0.795	1.059

T7/8" (XH) BRECO® Open Length (M)/Joined (V)

Polyurethane, Steel reinforced, extruded open length & joined. Classic imperial pitch with trapezoidal toothform.

Standard

T7/8" (XH)

BRECO® timing belts T7/8" (XH)

- Polyurethane, steel reinforced, joined & open length belting

Available types for T7/8" (XH):

- Single sided
- Nylon tooth facing (PAZ)
- Nylon back facing (PAR)
- Nylon both facing (PAZ/PAR)
- Special Polyurethanes upon request
- Antistatic, coloured, machined, ground and punched belts

Belt widths (mm) Intermediate belt widths on request		
50.8	76.2	101.6
2"	3"	4"

T7/8" (M/V)	Available lengths and versions
Standard delivery lengths (M)	Rolls of 50 m
Cut to lengths/lengths > 50m	On request
Minimum length joined (V)	880mm
Standard material	TPUST1[1)]
Steel tension member (standard)	x
E tension member	-
Stainless Steel tension member	-
PAZ	x
PAR	x
PAZ-PAR	x
DL/DL-PAZ	-
DR/DR-PAZ	-
T/T-PAZ	-

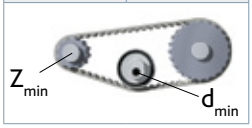
x Available
o Minimum purchase amount on request
- Not available
1) further materials on request

Technical Specification

T7/8" (XH) – Allowable tensile load by belt width				
Belt width	b (mm)	50.8	76.2	101.6
Tension member loadings F_{adm}(N)	M	7000	10500	14000
	V	3500	5250	7000
Belt weight	kg/m	0.530	0.795	1.059

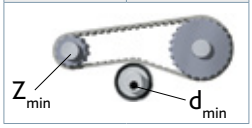
Drive Type A

Type A	T7/8" (XH)
Z_{min}	18
d_{min}	150



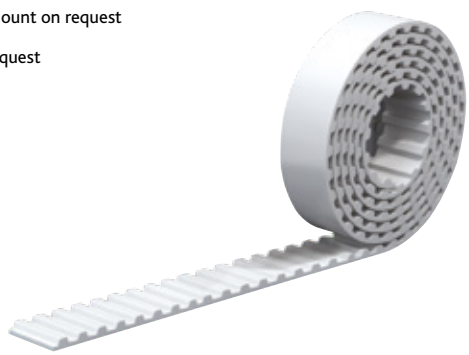
Drive Type B

Type B	T7/8" (XH)
Z_{min}	20 (25)
d_{min}	180



Z_{min} = Minimum number of teeth. d_{min} = Minimum diameter (mm)

Values in brackets apply to joined timing belts.

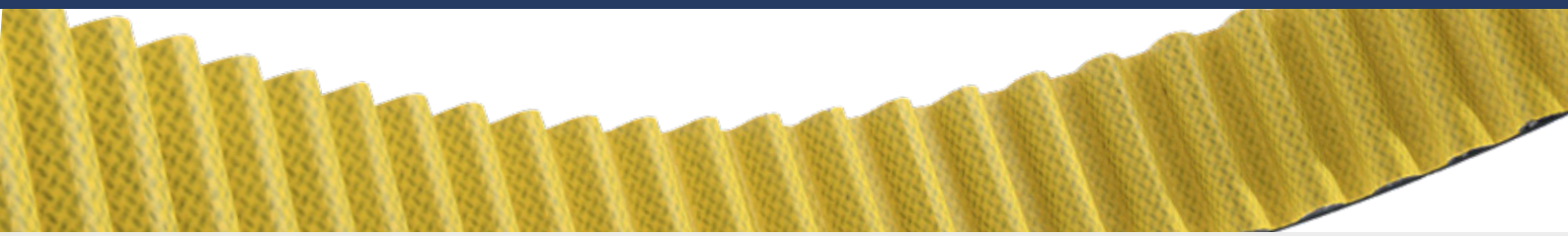


Continental

CONTI® SYNCHROCHAIN & SYNCHROCHAIN CARBON Belts



- MAINTENANCE FREE
- DESIGNED FOR HIGH DYNAMIC STRESSES
- TEMPERATURE RANGE -40°C TO +80°C
- RUNS ON NORMAL POLYCHAIN PULLEYS



CONTI® SYNCHROCHAIN BELTS

Designed for high dynamic stresses up to 40 m/s, SYNCHROCHAIN is one of the world's best performers. Plus the Carbon range offers even more advantages over other timing belts.

CONTI SYNCHROCHAIN®

Strength & High Performance

CONTI® SYNCHROCHAIN combines high tear resistance with exceptional tensile strength, making it one of the world's best performers among today's timing belts. The newly developed CTD (Conti Torque Drive) profile, makes extreme applications possible. Its design and materials ensures reliable power transmission for high torques and high dynamic stressing. It permits reverse flexing in multi-pulley drives and is therefore the ideal alternative to chain drives approximately half the strength of the parent material.

The belts are designed for drive applications with extremely high acceleration forces, as well as for the reliable transmission of high torque at low speeds. To deal with the impact loads of abrupt acceleration and deceleration, the belt employs a compound which absorbs even maximum surges and guarantees the maintenance-free functioning of pulsating drives in continuous service.

Ultra-strong Aramid tensile members provide the tear strength and resistance to tooth deformation required for transmission for high torque at low speeds. Embedded in the heavy-duty compound, these tensile members cope with extremely high starting torques, permanently and reliably. In addition, it is especially well suited to high power applications involving extreme dynamic load, at belt speeds of up to 40 m/s.

Properties

Synchronous transmission

CONTI® SYNCHROCHAIN transmits rotary motions at exact angles and a constant belt speed. The precise tooth match between belt and drive pulley ensures a high degree of synchronicity and reliably prevents belt ratcheting.

Compact and economical belt configurations

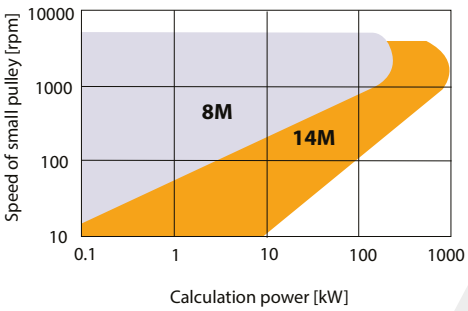
The high tear resistance and high dynamic load carrying capacity of CONTI® SYNCHROCHAIN allows for synchronous drives even where space is at a premium. This establishes ideal conditions for the design of economically compact, lightweight drives.

No lubrication and maintenance needed

CONTI® SYNCHROCHAIN is maintenance-free. No lubricating or re-tightening is required. Their construction and the materials used ensure a constant belt tension.

Low-noise operation

The optimized sectional match between timing belt and pulley and a belt construction with a multiply treated Polyamide fabric, plus a dramatic reduction in the required timing belt width that using CONTI® SYNCHROCHAIN affords, all make for considerably less noise, even at high belt speeds.



Features

- Temperature range, depending on application, from -40°C to +80°C
- Suitable for tropical climates
- Withstands reverse flexing
- Resistant to oils, grease and fuel
- Conditionally resistant to acid and alkalis
- Raw materials and production are silicone-free
- Maintenance-free
- Belt speeds up to 40m/s
- Increased power output
- Longitudinally stable throughout its lifetime

Continental

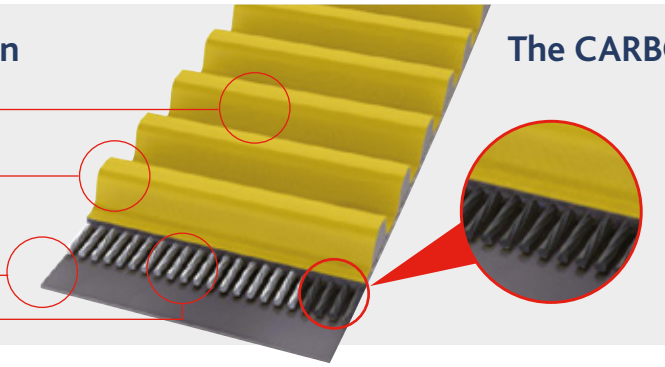
Standard Construction

Specially treated fabric

Polyurethane teeth

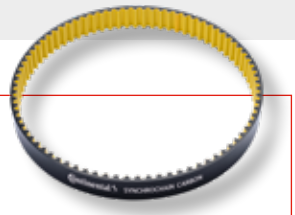
Polyurethane backing

Aramid cord



The CARBON Difference

High-tensile Carbon tension members provides greater longitudinally stability making SYNCHROCHAIN CARBON suitable for maximum torques.



CONTI SYNCHROCHAIN® CARBON belts

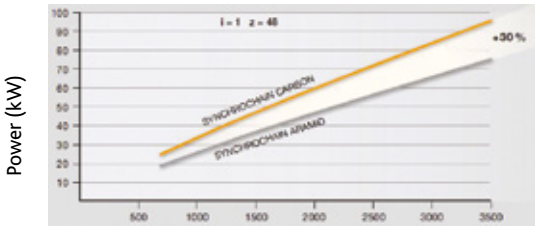
Higher power transmission, longer service lives, hardly any initial tension losses and also 50% lower stretch than aramid. With its newly developed carbon tension member at its heart, the CONTI® SYNCHROCHAIN CARBON is one of the world's highest-performance timing belts.

The CONTI® SYNCHROCHAIN CARBON delivers up to 30% higher power output than its predecessor. It therefore opens up entirely new options to both designers and users. Its strength can be used in every mechanical and plant engineering field.

Intelligent design & construction

Light, but durable Polyurethane for teeth and backing, high-tensile and, at the same time, longitudinally stable Carbon for the tension member, plus a specially coated, wear-resistant fabric: the intelligent design with a combination of especially high-quality materials is a defining feature of the CONTI® SYNCHROCHAIN CARBON. It is thus clean, smooth and provides reliable power transmission both at high torques and also with high dynamic loads.

SYNCHROCHAIN vs. SYNCHROCHAIN CARBON CTD 14M - 10mm

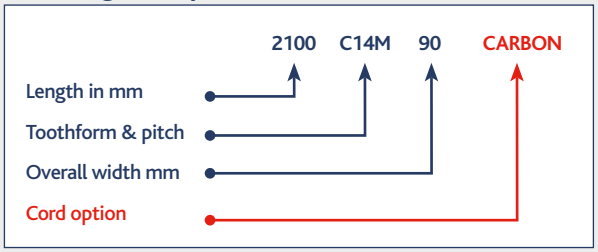


5x more power output for the same overall width. Overall belt width can be reduced by up to 80% whilst achieving the same power requirements, meaning overall system costs are also reduced.

Service life is increased by **up to 100%** compared with heavy-duty timing belts using Aramid cord.

Enhanced drive **efficiency.** Greater cord stiffness cuts initial tension losses almost to zero over the lifetime of the belt.

Ordering examples



Width	See table on next pages relating to standard widths.
Toothforms	Available 8M,14M
Cord options	Aramid
	Carbon

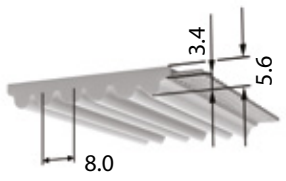
8M CONTI® SYNCHROCHAIN

24 | 89 | 368

Continental

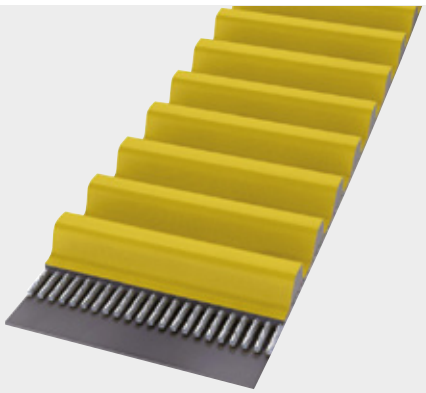
SYNCHROCHAIN® Designed for high dynamic stressing up to 40 m/s.

Standard



CTD C8M

The CTD-profile combines the advantages of the HTD and STD profiles in a single profile. The arch-shaped pulley-entry geometry, and the higher tooth, provide harmonic tooth meshing and therefore ultra smooth running. At the same time, it provides excellent protection against belt slip at high torque.



Resistance to external influences

- Highly resistant to various chemicals and oils
- Resistant against UV and ozone
- Tropicalized
- Temperature resistant from -40°C to 80°C

Belt widths (mm) – Intermediate belt widths on request			
12	21	36	62

Permissible peripheral force for dynamic applications

SYNCHROCHAIN® CTD 8M	
Width (mm)	Fu zul (N)
12	1150
21	2140
36	3790
62	6650

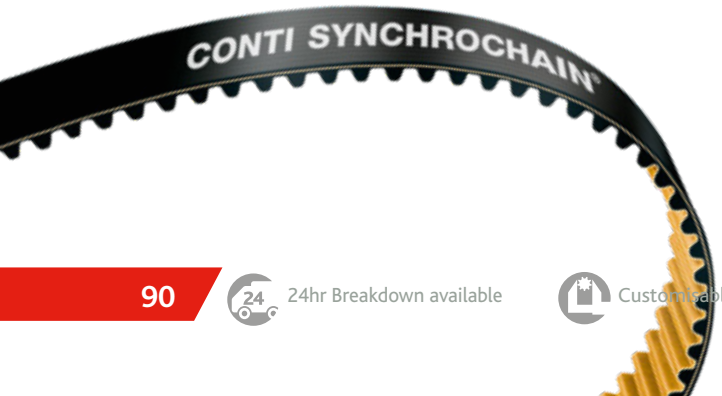
Permissible peripheral force for quasi-static applications where n < 100rpm**

SYNCHROCHAIN® CTD 8M	
Width (mm)	Fu zul (N)
12	1500
21	2700
36	4650
62	8000

**A quasi-static application is defined as one where the drive speed is less than 100rpm.
The belt load can possibly be up to 30% higher. In such cases, please contact our technical staff.

CTD C8M

Length & designation	No. teeth
640 - C8M	80
720 - C8M	90
800 - C8M	100
896 - C8M	112
920 - C8M	115
960 - C8M	120
1000 - C8M	125
1040 - C8M	130
1120 - C8M	140
1200 - C8M	150
1224 - C8M	153
1280 - C8M	160
1440 - C8M	180
1600 - C8M	200
1760 - C8M	220
1792 - C8M	224
2000 - C8M	250
2240 - C8M	280
2400 - C8M	300
2520 - C8M	315
2840 - C8M	355
3048 - C8M	381
3200 - C8M	400
3600 - C8M	450
4000 - C8M	500
4480 - C8M	560



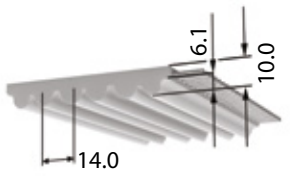
24 24hr Breakdown available | Customizable product | XX Product code builder | XX Compatible product

14M CONTI® SYNCHROCHAIN

Continental

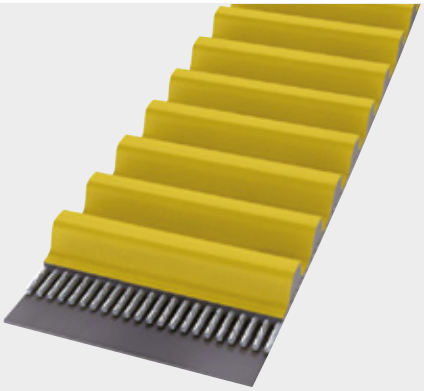
SYNCHROCHAIN® Designed for high dynamic stressing up to 40 m/s.

Standard



CTD C14M

The CTD-profile combines the advantages of the HTD and STD profiles in a single profile. The arch-shaped pulley-entry geometry, and the higher tooth, provide harmonic tooth meshing and therefore ultra smooth running. At the same time, it provides excellent protection against belt slip at high torque.



Resistance to external influences

- Highly resistant to various chemicals and oils
- Resistant against UV and ozone
- Tropicalized
- Temperature resistant from -40°C to 80°C

Belt widths (mm) – Intermediate belt widths on request				
20	37	68	90	125

Permissible peripheral force for dynamic applications

SYNCHROCHAIN® CTD 14M	
Width (mm)	Fu zul (N)
37	6600
68	12090
90	15980
125	22180

Permissible peripheral force for quasi-static applications where n < 100rpm**

SYNCHROCHAIN® CTD 14M	
Width (mm)	Fu zul (N)
37	8800
68	16300
90	21600
125	30000

**A quasi-static application is defined as one where the drive speed is less than 100rpm. The belt load can possibly be up to 30% higher. In such cases, please contact our technical staff.

CTD C14M

Length & designation	No. teeth
994 - C14M	71
1120 - C14M	80
1260 - C14M	90
1400 - C14M	100
1568 - C14M	112
1610 - C14M	115
1750 - C14M	125
1890 - C14M	135
1960 - C14M	140
2100 - C14M	150
2240 - C14M	160
2310 - C14M	165
2380 - C14M	170
2450 - C14M	175
2520 - C14M	180
2590 - C14M	185
2660 - C14M	190
2800 - C14M	200
3136 - C14M	224
3304 - C14M	236
3360 - C14M	240
3500 - C14M	250
3850 - C14M	275
3920 - C14M	280
4326 - C14M	309
4410 - C14M	315

C8M CONTI® SYNCHROCHAIN CARBON

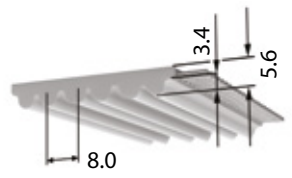
30% EXTRA POWER

89 382

Continental

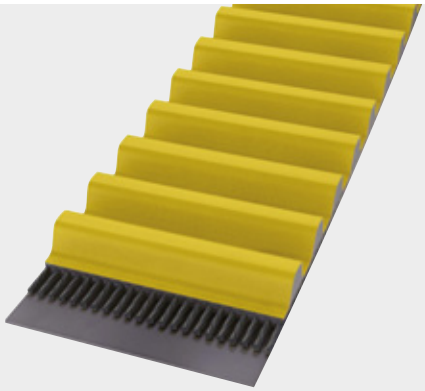
SYNCHROCHAIN® CARBON Designed for high dynamic stressing up to 40 m/s.

Standard



CTD C8M

The CONTI® SYNCHROCHAIN CARBON delivers up to 30% higher power output than its predecessor. It therefore opens up entirely new options to both designers and users. Its strength can be used in every mechanical and plant engineering field. This applies equally to original equipment for drives and the aftermarket.



Resistance to external influences

- Highly resistant to various chemicals and oils
- Resistant against UV and ozone
- Tropicalized
- Temperature resistant from -40°C to 80°C

Belt widths (mm) – Intermediate belt widths on request			
12	21	36	62

Permissible peripheral force for dynamic applications

SYNCHROCHAIN® CARBON CTD 8M	
Width (mm)	Fu zul (N)
12	2350
21	4150
36	7150
62	12350

Permissible peripheral force for quasi-static applications where n < 100rpm**

SYNCHROCHAIN® CARBON CTD 8M	
Width (mm)	Fu zul (N)
12	3100
21	5450
36	9350
62	16100

**A quasi-static application is defined as one where the drive speed is less than 100rpm. The belt load can possibly be up to 30% higher. In such cases, please contact our technical staff.

CTD C8M

Length & designation	No. teeth
640 - C8M	80
720 - C8M	90
800 - C8M	100
896 - C8M	112
920 - C8M	115
960 - C8M	120
1000 - C8M	125
1040 - C8M	130
1120 - C8M	140
1200 - C8M	150
1224 - C8M	153
1280 - C8M	160
1440 - C8M	180
1600 - C8M	200
1760 - C8M	220
1792 - C8M	224
2000 - C8M	250
2200 - C8M	275
2240 - C8M	280
2400 - C8M	300
2520 - C8M	315
2600 - C8M	325
2800 - C8M	350
2840 - C8M	355
3048 - C8M	381
3200 - C8M	400
3280 - C8M	410
3600 - C8M	450
4000 - C8M	500
4400 - C8M	550
4480 - C8M	560



See Chain section – Page 501

24 24hr Breakdown available | Customisable product | XX Product code builder | XX Compatible product

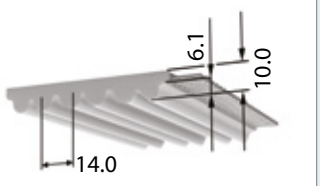
C14M CONTI® SYNCHROCHAIN CARBON

Continental

89 372 30% EXTRA POWER

SYNCHROCHAIN® CARBON Designed for high dynamic stressing up to 40 m/s.

Standard



CTD C14M

The CONTI® SYNCHROCHAIN CARBON delivers up to 30% higher power output than its predecessor, It therefore opens up entirely new options to both designers and users. Its strength can be used in every mechanical and plant engineering field. This applies equally to original equipment for drives and the aftermarket.



Resistance to external influences

- Highly resistant to various chemicals and oils
- Resistant against UV and ozone
- Tropicalized
- Temperature resistant from -40°C to 80°C

Belt widths (mm) – Intermediate belt widths on request				
20	37	68	90	125

Permissible peripheral force for dynamic applications

SYNCHROCHAIN® CARBON CTD 14M	
Width (mm)	Fu zul (N)
37	9750
68	18100
90	24500
125	33600

Permissible peripheral force for quasi-static applications where n < 100rpm**

SYNCHROCHAIN® CARBON CTD 14M	
Width (mm)	Fu zul (N)
37	13200
68	21950
90	31750
125	44000

**A quasi-static application is defined as one where the drive speed is less than 100rpm. The belt load can possibly be up to 30% higher. In such cases, please contact our technical staff.

CTD C14M

Length & designation	No. teeth
994 - C14M	71
1120 - C14M	80
1190 - C14M	85
1260 - C14M	90
1400 - C14M	100
1568 - C14M	112
1610 - C14M	115
1750 - C14M	125
1890 - C14M	135
1960 - C14M	140
2100 - C14M	150
2240 - C14M	160
2310 - C14M	165
2380 - C14M	170
2450 - C14M	175
2520 - C14M	180
2590 - C14M	185
2660 - C14M	190
2800 - C14M	200
3136 - C14M	224
3304 - C14M	236
3360 - C14M	240
3500 - C14M	250
3850 - C14M	275
3920 - C14M	280
4326 - C14M	309
4410 - C14M	315

BRECO® TIMING BELTS

BRECOflex® TIMING BELTS

BRECO® Self Tracking Belts



- HIGHER BELT LIFE
- OPTIMISED TRACKING
- REDUCED NOISE
- TEMPERATURE RANGE INCREASED TO 100°C
- TRULY LINEAR AND SYNCHRONOUS RUNNING



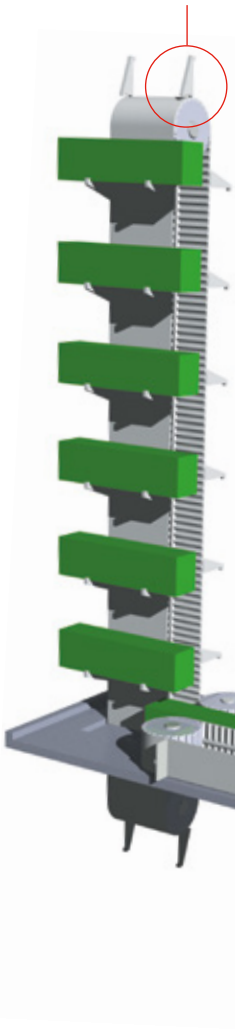
BRECO® TIMING BELTS

BRECOflex® TIMING BELTS

BRECO® SELF TRACKING BELTS

Accurate, truly linear and synchronous belts for conveyors, production lines, mechanical handling and delivery systems.

BRECO® Self tracking belt with welded on profiles as a vertical conveyor. Its function is synchronised with the product separator.



BRECO® Self tracking belt with welded on profiles as a product separator. The perpendicular positioning of the shafts means that self tracking is required.

BRECO® Self tracking belts running in parallel as an accumulator. The transfer station is protected from lateral movement by the V guide. Individual tensioning of these belts is necessary.

BRECO® Self Tracking Belts

Self-tracking Belts come from the well known BRECO®, BRECOFLEX® TIMING BELT range. They are made with high tensile Steel cord tension members. The standard version of the self-tracking timing belt is a combination of wear resistant Polyurethane and High Tensile Steel cord tension members.

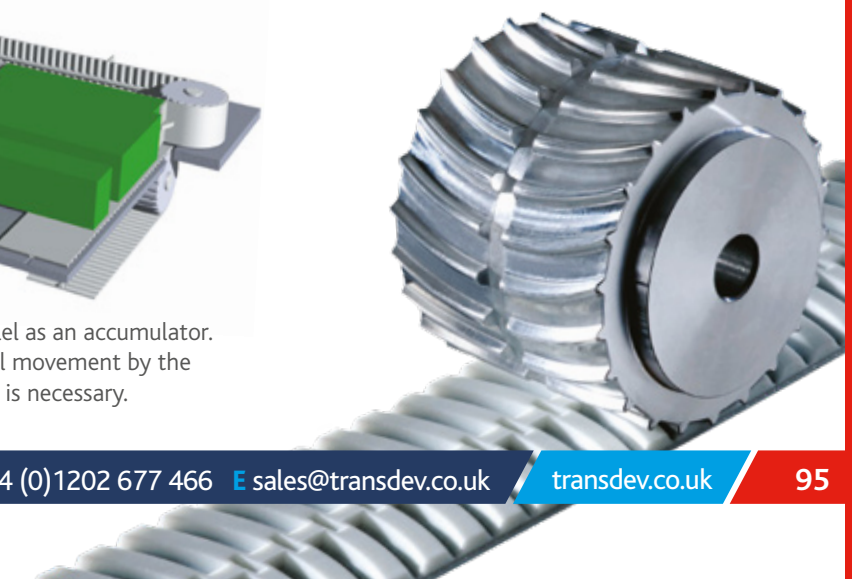
The combination of these steel reinforced timing belts with moulded or welded V guides produces accurate, linear synchronous belts.

Features

- Truly linear and synchronous running
- Constant belt tracking unaffected by side loads
- Slipless, stable

Applications

- Conveyors for indexing, transferring and positioning
- Production lines for linear product processes
- Automation of production processes
- Mechanical handling and delivery systems (unaffected by side loads)

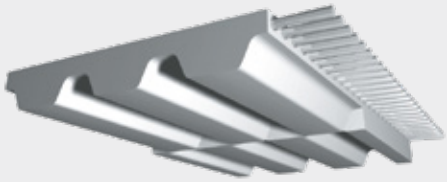


Self Tracking Belt Types



BAT10 and BAT15

- Revolutionary new curved tooth design
- Reduced noise due to overlapping tooth engagement
- Same power transmission as an AT10 belt
- Reduced polygonal effect
- Reduced vibration



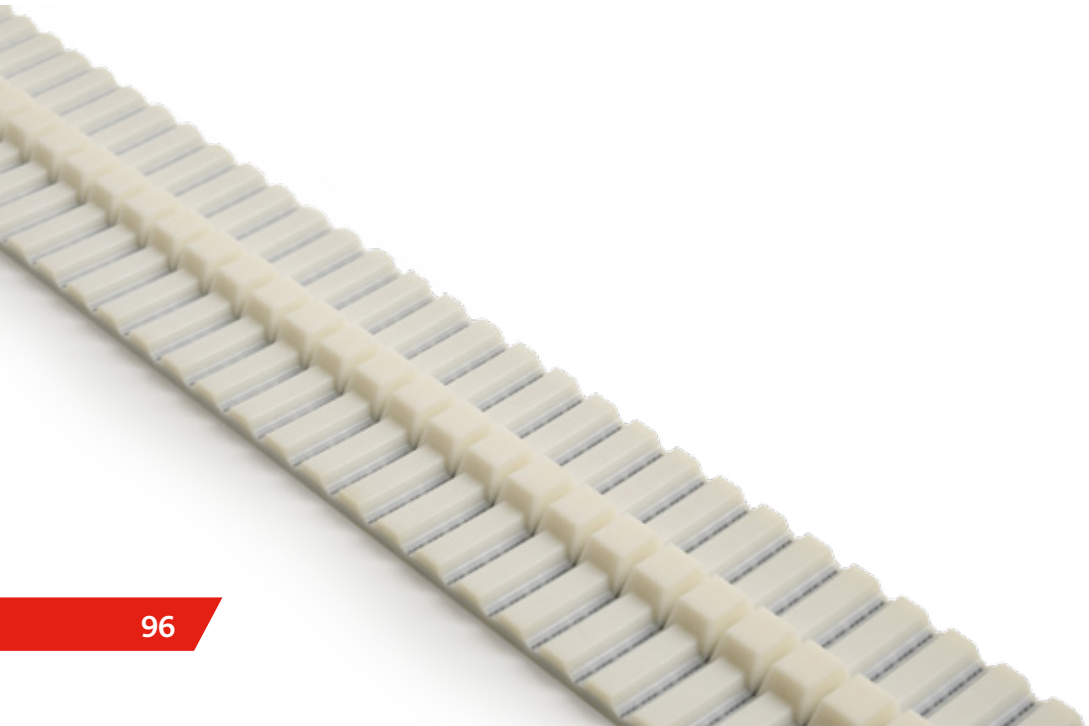
SFAT10, SFAT15 and SFAT20

- No flanges required
- Teeth on each side are displaced by half a tooth
- Reduced polygonal effect
- Reduced noise



TK and ATK

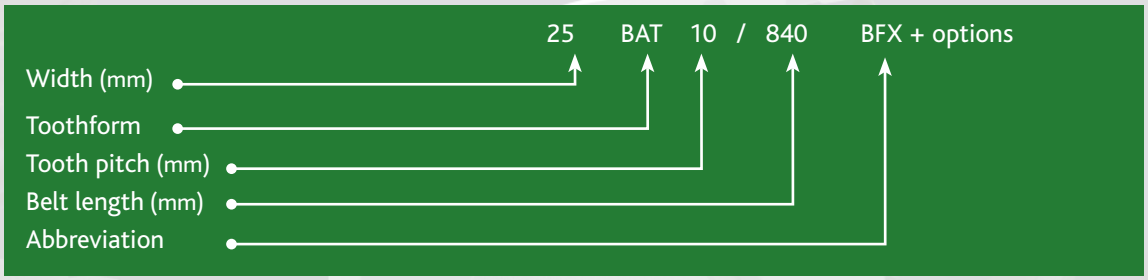
- Used where large lateral forces are present
- No flanges required
- Same power transmission as T or AT



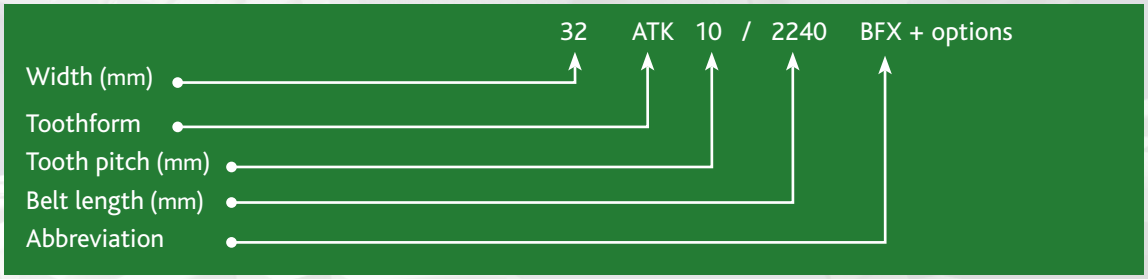
Self Tracking Belt Order Examples

Four standard types

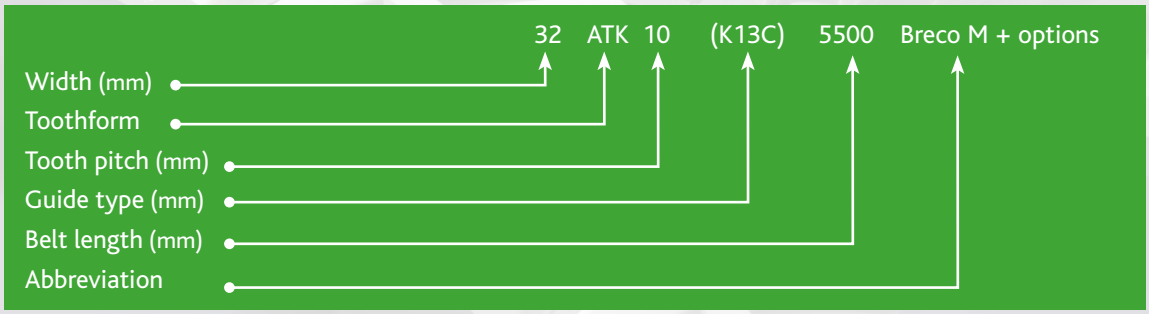
BRECOFLEX® BAT truly endless power drive belting made to order.



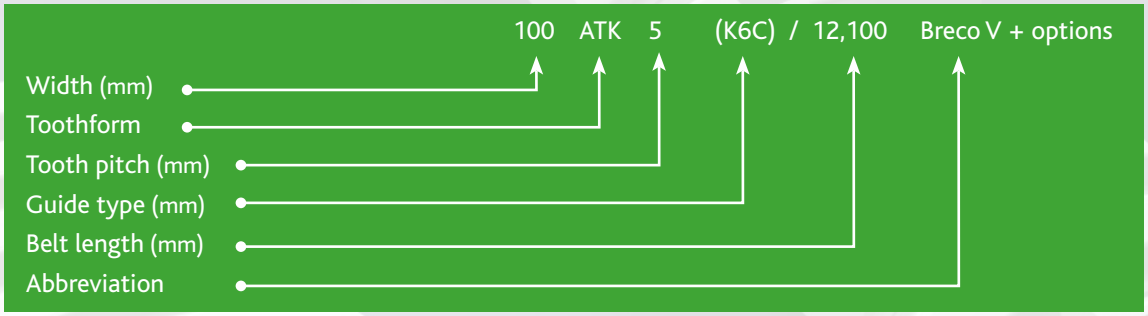
BRECOFLEX® ATK truly endless power drive belting made to order.



BRECO® M ATK open length linear drive belting from stock.



BRECO® V ATK joined conveyor belting from stock.



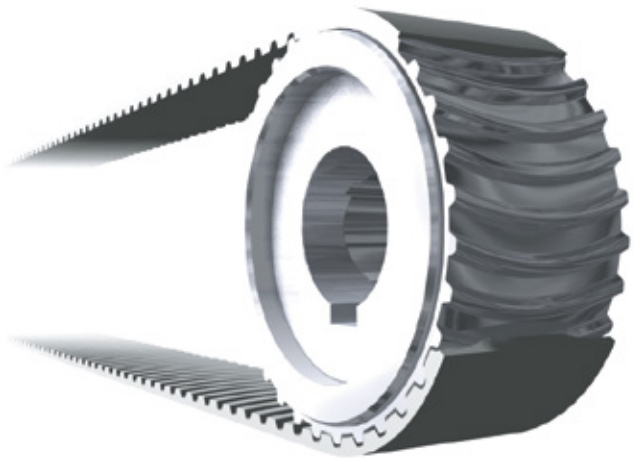
For other options, double sided, backings, cord types, flighted belts, self tracking, etc. contact sales@transdev.co.uk.

Additional Belt Options

Available options in BRECOFLEX® truly endless, BRECO® M Open length & BRECO® V joined belts.

PAZ	Low friction green fabric tooth covering, (quiet running)
PAR	Low friction green fabric back covering, (Accumulating conveyor)
KEV	Aramid tension cords, (Non-magnetic or food use). Not all sizes
ST ST	Stainless Steel tension cords, (Food or under water use)
DL	Double sided belt,(for serpentine drives) T 1/2 only
T	Thicker Polyurethane (PU) backing, 85 shore A, T 1/2 only
DR	Thicker PU backing, 92 Shore A Hardness, T 1/2 only
FD1	Food or medical grade PU, (Use Aramid or Stainless Steel cords)
KF1	Low operating temperature PU -25°C to+5°C
WB1	High operating temperature PU +20°C TO 110°C
AS1	Antistatic PU
UV	Higher resistance to Ultra Violet (UV) light PU

- Other options may be available on request
- Some options can be combined, please ask
- Minimum order quantities may apply

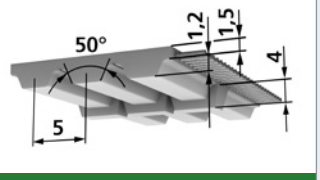


ATK5 K6 BRECOFLEX®

97 330 20% EXTRA POWER

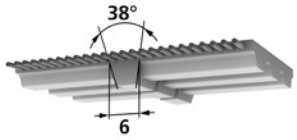
Polyurethane, Steel reinforced, extruded truly endless, High Power AT Profile in metric pitch with trapezoidal toothform, self-tracking.

Standard



ATK 5K6

Standard



K6 GUIDE SECTION

BRECOFLEX® timing belts ATK5 K6

- Polyurethane, Steel reinforced, open length
- High Power AT Profile in metric pitch with trapezoidal toothform, self-tracking

Available versions for ATK5 K6:

- Special polyurethanes upon request
- Antistatic, coloured, machined, ground and punched belts
- Backings

Belt widths (mm) – Intermediate belt widths on request			
32	50	75	100

BFX ATK5K6	Available lengths & versions	
Standard lengths	See table on the right	
Any number of teeth available from	1,075mm up to 15,000mm	
Intermediate lengths	From 1,075mm	o
Standard plus version	1,075mm up to 15,000mm	
Over 15,000mm	On request	
Standard material	TPUST1[1)]	
Steel tension member	-	
E tension member (standard)	x	
Stainless Steel tension member	o	
PAZ	x	
DL/DL-PAZ	-	
DR/DR-PAZ	-	
T/T-PAZ	-	

x Available, standard lengths (see table) without minimum purchase
o Minimum purchase amount on request
- Not available
1) Further materials on request

Standard lengths (mm)/Number of teeth

Length	No. teeth	Length	No. teeth	Length	No. teeth
1075	215	2240	448	4500	900
1100	220	2360	472	4750	950
1215	243	2500	500	5000	1000
1380	276	2650	530	5300	1060
1400	280	2800	560	5600	1120
1500	300	3000	600	6000	1200
1600	320	3150	630	6300	1260
1700	340	3350	670	6700	1340
1800	360	3550	710	7100	1420
1900	380	3750	750	7500	1500
2000	400	4000	800		
2120	424	4250	850		

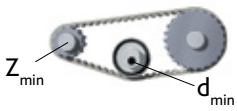
ATK5 K6-E current max. length = 15,000mm

Technical Specification

ATK5 K6 – Allowable tensile load by belt width					
Belt width	b (mm)	32	50	75	100
Tension member loadings	F_{adm}(N)	2660	4200	6370	8610
Belt weight	kg/m	0.107	0.167	0.250	0.334

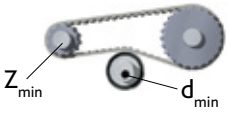
Drive Type A

Type A	ATK5K6
Z_{min}	25
d_{min}	40



Drive Type B

Type B	ATK5K6
Z_{min}	25
d_{min}	80

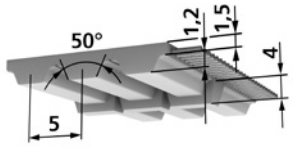


Z_{min} = Minimum number of teeth. d_{min} = Minimum diameter (mm)

ATK5 K6 BRECO® Open Length (M)/Joined (V)

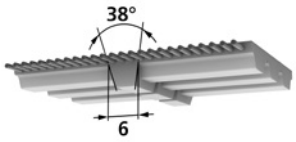
Polyurethane, Steel reinforced, extruded open length & joined High Power AT Profile in metric pitch with trapezoidal toothform, self-tracking.

Standard



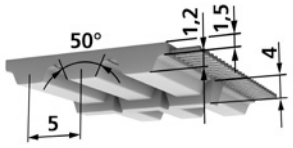
ATK 5K6

Standard



K6 GUIDE SECTION

Classic



ATK 5K6

For Classic details & options see page 29

BRECO® timing belts ATK5K6

- Polyurethane, Steel reinforced, joined & open length belting
- High Power AT Profile in metric pitch with trapezoidal toothform, self-tracking

Available types for ATK5K6:

- Single sided
- Nylon tooth facing (PAZ)
- Nylon back facing (PAR)
- Nylon both facing (PAZ/PAR)
- Special polyurethanes upon request
- Antistatic, coloured, machined, ground and punched belts

Belt widths (mm) Intermediate belt widths on request		
25	32	50

ATK5K6 (M/V)	Available lengths and versions
Standard delivery lengths (M)	Rolls of 50 or 100m
Cut to lengths/lengths > 100m	On request
Minimum length joined (V)	880mm
Standard material	TPUST1[1)]
Steel tension member	-
E tension member (standard)	x
Stainless Steel tension member	o
PAZ	x
PAR	x
PAZ-PAR	x
DL/DL-PAZ	-
DR/DR-PAZ	-
T/T-PAZ	-

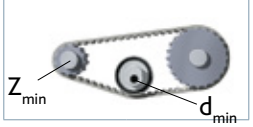
x Available
o Minimum purchase amount on request
- Not available
1) Further materials on request

Technical Specification

ATK5K6 – Allowable tensile load by belt width				
Belt width	b (mm)	25	32	50
Tension member loadings	M	1750	2240	3500
	V	875	1120	1750
Belt weight	kg/m	0.089	0.118	0.177

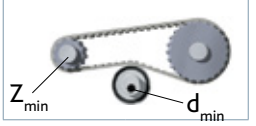
Drive Type A

Type A	ATK5K6
Z_{min}	25
d_{min}	60



Drive Type B

Type B	ATK5K6
Z_{min}	25
d_{min}	60

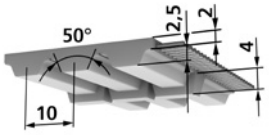
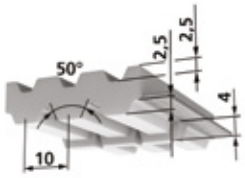
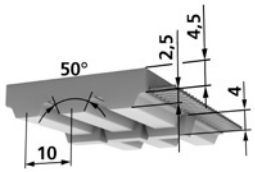
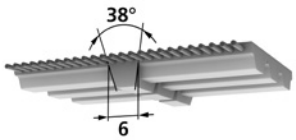


Z_{min} = Minimum number of teeth. d_{min} = Minimum diameter (mm)

ATK10 K6 BRECOFLEX®

97 330 20% EXTRA POWER

Polyurethane, Steel reinforced, extruded truly endless - High Power AT Profile in metric pitch with trapezoidal toothform, self-tracking.

Standard	Double-sided	Reinforced back of the belt	Standard
			
ATK10K6	ATK10K6-DL	ATK10K6-DR	K6 GUIDE SECTION

Available endless lengths for ATK10 K6

- For preferred lengths refer to table
- Belts under 1,500mm not available
- Over 1,500mm belts lengths available in multiples of 1 tooth[2)]
- Over 20,000mm please enquire

ATK10K6 BFX	Available lengths and versions		
Standard lengths	See table on the right		
Any number of teeth available from	b=50mm	from 720mm	
	1,080mm	up to 22,000mm	
Intermediate lengths	b=50mm	from 720mm	o
	b=100mm	up to 1,080mm	
Standard plus version	b=50mm from 720mm		
	1,080mm up to 22,000mm		
Over 22,000mm	On request		
Standard material	TPUST1[1)]		
Steel tension member (standard)	x		
E tension member	o		
Stainless Steel tension member	o		
PAZ	from 1,500mm		x
DL/DL-PAZ	o		
DR/DR-PAZ	o		
T/T-PAZ	-		

x Available, standard lengths (see table) without minimum purchase
o Minimum purchase amount on request
- Not available
1) Further materials on request
2) Minimum quantities may apply

Belt widths b (mm) – Intermediate belt widths on request	
50	100

Standard lengths (mm)/Number of teeth

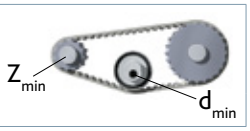
Length	No. teeth	Length	No. teeth	Length	No. teeth
1500	150	2650	265	4750	475
1600	160	2800	280	5000	500
1700	170	3000	300	5300	530
1800	180	3150	315	5600	560
1900	190	3350	335	6000	600
2000	200	3550	355	6300	630
2120	212	3750	375	6700	670
2240	224	4000	400	7100	710
2360	236	4250	425	7500	750
2500	250	4500	450	8000	800

Technical Specification

ATK10K6 - Allowable tensile load			
Belt width	b (mm)	50	100
Tension member loadings	F_{adm}(N)	7750	16000
Belt weight (kg/m)	AT10-K6	0.290	0.581
	AT10-K6-DL	0.386	0.766
	AT10-K6-DR	0.445	0.886

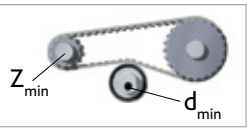
Drive Type A

Type A	ATK10-K6	ATK10-K6-DL	ATK10-K6-DR
Z_{min}	20	25	25
d_{min}	80	80	80



Drive Type B

Type B	ATK10-K6	ATK10-K6-DL	ATK10-K6-DR
Z_{min}	25	25	25
d_{min}	120	120	120

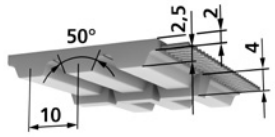
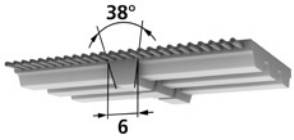
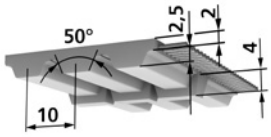


Z_{min} = Minimum number of teeth. d_{min} = Minimum diameter (mm)

ATK10 K6 BRECO® Open Length (M)/Joined (V)

97 330

Polyurethane, Steel reinforced, extruded open length & joined - High Power AT Profile in metric pitch with trapezoidal toothform, self-tracking.

Standard	Standard	Classic
		
ATK10K6	K6 GUIDE SECTION	ATK10K6

For Classic details & options see page 29

BRECO® timing belts ATK10K6

- Polyurethane, Steel reinforced, joined & open length belting
- High Power AT Profile in metric pitch with trapezoidal toothform, self-tracking

Available types for ATK10K6:

- Single sided
- Nylon tooth facing (PAZ)
- Nylon back facing (PAR)
- Nylon both facing (PAZ/PAR)
- Special Polyurethanes upon request
- Antistatic, coloured, machined, ground and punched belts

Belt widths (mm) – Further belt widths on request
50

ATK10K6 (M/V)	Available lengths and versions
Standard delivery lengths (M)	Rolls of 50 or 100m
Cut to lengths/lengths > 100m	On request
Minimum length joined (V)	880mm
Standard material	TPUST1[1)]
Steel tension member (standard)	x
E tension member	-
Stainless Steel tension member	o
PAZ	x
PAR	x
PAZ-PAR	x
DL/DL-PAZ	-
DR/DR-PAZ	-
T/T-PAZ	-

x Available, standard lengths (see table) without minimum purchase
o Minimum purchase amount on request
- Not available
1) Further materials on request

Technical Specification

ATK10K6 – Allowable tensile load by belt width		
Belt width	b (mm)	50
Tension member loadings	M	7500
	V	3750
Belt weight	kg/m	0.302

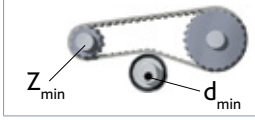
Drive Type A

Type A	ATK10K6
Z_{min}	20
d_{min}	60



Drive Type B

Type B	ATK10K6
Z_{min}	25
d_{min}	120

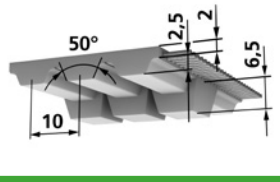
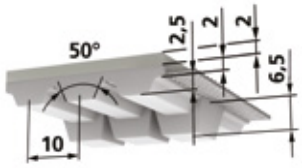
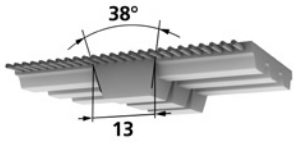
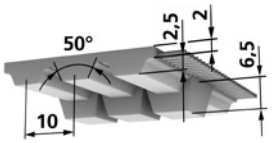


Z_{min} = Minimum number of teeth. d_{min} = Minimum diameter (mm)

ATK10K13 BRECO® Open Length (M)/Joined (V)



Polyurethane, Steel reinforced, extruded truly endless - High Power AT Profile in metric pitch with trapezoidal toothform, self-tracking.

Standard	Version T	Standard	Classic
			
ATK10K13	ATK10K13-T	K13 GUIDE SECTION	ATK10K13

For Classic details & options see page 29

BRECO® timing belts ATK10K13

- Polyurethane, Steel reinforced, open length
- High Power AT Profile in metric pitch with trapezoidal toothform, self-tracking

Available types for ATK10K13:

- Single sided
- Nylon tooth facing (PAZ)
- Nylon back facing (PAR)
- Nylon both facing (PAZ/PAR)
- Transport backing (T) and (T-PAZ) up to 100mm wide
- Special Polyurethanes upon request
- Antistatic, coloured, machined, ground and punched belts

Belt widths b (mm) Intermediate belt widths on request				
32	50	75	100	150

ATK10K13 (M/V)		Available lengths and versions
Standard delivery lengths (M)		Rolls of 50m
Cut to lengths/lengths > 50m		on request
Minimum length joined (V)		880mm
Standard material		TPUST1[1)]
Steel tension member (standard)		x
E tension member		-
Stainless Steel tension member		o
PAZ		x
PAR		x
PAZ-PAR		x
DL/DL-PAZ		-
DR/DR-PAZ		-
T/T-PAZ	b_{max}=100	o

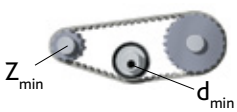
x Available, standard lengths (see table) without minimum purchase
o Minimum purchase amount on request
- Not available
1) Further materials on request

Technical Specification

ATK10 K13 – Allowable tensile load by belt width						
Belt width	b (mm)	32	50	75	100	150
Tension member loadings F_{adm}(N)	M	4500	7500	10500	16000	22000
	V	2250	3750	5250	8000	11000
Belt weight (kg/m)	T	0.227	0.331	0.465	0.621	0.889

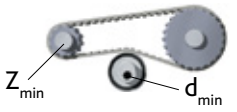
Drive Type A

Type A	ATK10K13	ATK10K13-T
Z_{min}	20	25
d_{min}	60	80



Drive Type B

Type B	ATK10K13	ATK10K13-T
Z_{min}	25	25
d_{min}	120	120



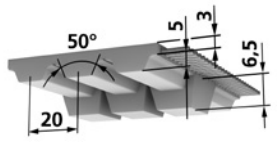
Z_{min} = Minimum number of teeth. d_{min} = Minimum diameter (mm)

ATK20K13 BRECO® Open Length (M)/Joined (V)

97 330

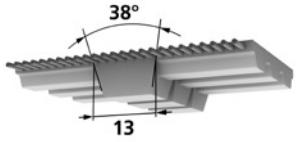
Polyurethane, Steel reinforced, extruded open length & joined - High Power AT Profile in metric pitch with trapezoidal toothform, self-tracking.

Standard



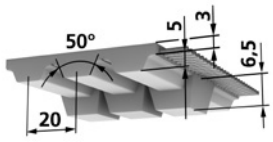
ATK20K13

Standard



K13 GUIDE SECTION

Classic



ATK20K13

For Classic details & options see page 29

BRECO® timing belts ATK20K13

- Polyurethane, Steel reinforced, joined & open length belting
- High Power AT Profile in metric pitch with trapezoidal toothform, self-tracking

Available types for ATK20K13:

- Single sided
- Nylon tooth facing (PAZ)
- Nylon back facing (PAR)
- Nylon both facing (PAZ/PAR)
- Special Polyurethanes upon request
- Antistatic, coloured, machined, ground and punched belts

Belt widths (mm) Intermediate belt widths on request	
75	100

ATK20K13 (M/V)	Available lengths and versions
Standard delivery lengths (M)	Rolls of 50m
Cut to lengths/lengths > 50m	On request
Minimum length joined (V)	1,000mm
Standard material	TPUST1[1)]
Steel tension member (standard)	x
E tension member	-
Stainless Steel tension member	o
PAZ	x
PAR	-
PAZ-PAR	-
DL/DL-PAZ	-
DR/DR-PAZ	-
T/T-PAZ	-

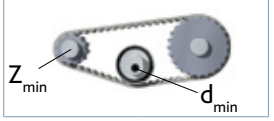
x Available
o Minimum purchase amount on request
- Not available
1) Further materials on request

Technical Specification

ATK20 K13 – Allowable tensile load by belt width			
Belt width	b (mm)	75	100
Tension member loadings F_{adm}(N)	M	16800	22400
	V	8400	11200
Belt weight	kg/m	0.730	0.995

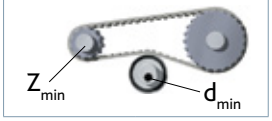
Drive Type A

Type A	ATK20K13
Z_{min}	20
d_{min}	120



Drive Type B

Type B	ATK20K13
Z_{min}	25
d_{min}	180

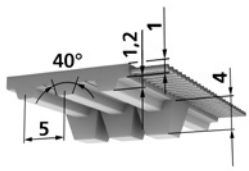


Z_{min} = Minimum number of teeth. d_{min} = Minimum diameter (mm)

TK5K6 BRECOFLEX®

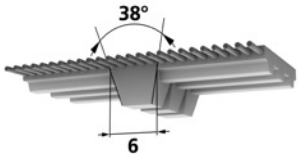
Polyurethane, Steel reinforced, extruded truly endless - T Profile in metric pitch with trapezoidal toothform, self-tracking.

Standard



TK5K6

Standard



K6 GUIDE SECTION

Available types for TK5K6

- Standard Plus extra accuracy versions from 720* to 12000mm
- E: with E tension members for increased flexibility
- Standard single sided
- Nylon tooth facing (PAZ)
- Available with Stainless Steel tension members**
- Special Polyurethanes upon request
- Antistatic, coloured, machined, ground and punched belts
- Backings

Please note:

- Lengths in multiples of 1 tooth available(1)
- Belts over 20,000mm long on request
- * 50 & 75mm widths. From 1,075mm for other widths
- ** Minimum quantities may apply

Standard lengths (mm)/Number of teeth

Length	No. teeth	Length	No. teeth	Length	No. teeth
1075	215	2240	448	4500	900
1100	220	2360	472	4750	950
1215	243	2500	500	5000	1000
1380	276	2650	530	5300	1060
1400	280	2800	560	5600	1120
1500	300	3000	600	6000	1200
1600	320	3150	630	6300	1260
1700	340	3350	670	6700	1340
1800	360	3550	710	7100	1420
1900	380	3750	750	7500	1500
2000	400	4000	800		
2120	424	4250	850		

Belt widths b (mm) – Intermediate belt widths on request	
50	100

TK5K6 BFX	Available lengths & versions		
Standard lengths	See table on the left		
Any number of teeth available from	b=50mm	from 720mm	
	1,075mm up to 15,000mm		
Intermediate lengths	b=50mm	from 720mm	o
	b=100mm	from 1,075mm	
Standard Plus version	b=50mm from 720mm		
	1,075mm up to 15,000mm		
Over 15,000mm	On request		
Standard material	TPUST1[1)]		
Steel tension member (standard)	x		
E tension member	o		
Stainless Steel tension member	o		
PAZ	from 1,075mm		x
DL/DL-PAZ	-		
DR/DR-PAZ	-		
T/T-PAZ	-		

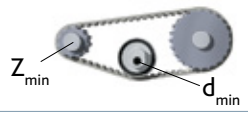
x Available, standard lengths (see table) without minimum purchase
o Minimum purchase amount on request
- Not available
1) Further materials on request

Technical Specification

TK5K6 - Admissible tensile force of the belt F_{adm}/Belt weight			
Belt width	b (mm)	50	100
E/Steel tension member	F_{adm} (N)	1920	3930
Belt weight	kg/m	0,123	0, 232

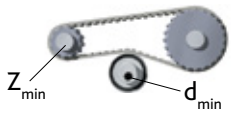
Drive Type A

Type A	TK5K6
Z_{min}	25
d_{min}	40



Drive Type B

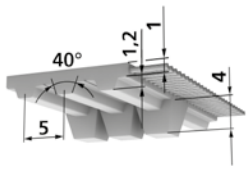
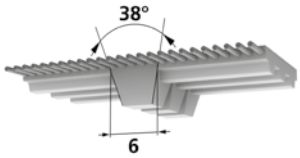
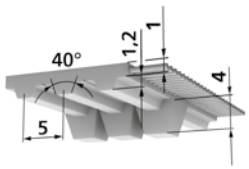
Type B	TK5K6
Z_{min}	25
d_{min}	60



Z_{min} = Minimum number of teeth. d_{min} = Minimum diameter (mm)

TK5K6 BRECO® Open Length (M)/Joined (V)

Polyurethane, Steel reinforced, extruded open length & joined - T Profile in metric pitch with trapezoidal toothform, self-tracking.

Standard	Standard	Classic
		
TK5K6	K6 GUIDE SECTION	TK5K6

For Classic details & options see page 29

BRECO® timing belts TK5K6

- Polyurethane, Steel reinforced, joined & open length belting
- Standard T Profile to DIN 7721 in metric pitch with trapezoidal toothform

Available types for TK5K6:

- Single sided
- Nylon tooth facing (PAZ)
- Nylon back facing (PAR)
- Nylon both facing (PAZ/PAR)
- Special Polyurethanes upon request
- Antistatic, coloured, machined, ground and punched belts

Technical Specification

TK5K6 – Allowable tensile load by belt width				
Belt width	b (mm)	25	32	50
Tension member loadings F_{adm}(N)	M	840	1080	1680
	V	420	540	840
Belt weight	kg/m	0.067	0.082	0.119

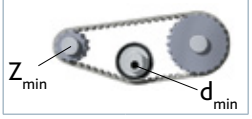
Belt widths (mm) – Intermediate belt widths on request		
25	32	50

TK5K6 (M/V)	Available lengths & versions
Standard delivery lengths (M)	Rolls of 50 or 100m
Cut to lengths /lengths > 100m	On request
Minimum length joined (V)	1,000mm
Standard material	TPUST1[1)]
Steel tension member (standard)	x
E tension member	-
Stainless Steel tension member	o
PAZ	x
PAR	x
PAZ-PAR	x
DL/DL-PAZ	-
DR/DR-PAZ	-
T/T-PAZ	-

x Available
- Not available
o Minimum purchase amount on request
1) Further materials on request

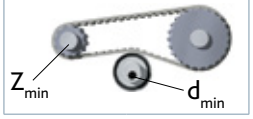
Drive Type A

Type A	TK5K6
Z_{min}	25
d_{min}	60



Drive Type B

Type B	TK5K6
Z_{min}	25
d_{min}	80



Z_{min} = Minimum number of teeth. d_{min} = Minimum diameter (mm)

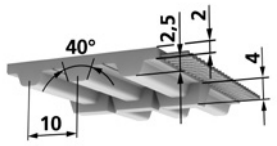


See Special Pulleys – Page 330

TK10K6 BRECOFLEX®

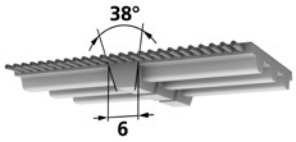
Polyurethane, Steel reinforced, extruded truly endless - T Profile in metric pitch with trapezoidal toothform, self-tracking.

Standard



TK10K6

Standard



K6 GUIDE SECTION

Available types for TK10K6

- Single sided
- Nylon tooth facing (PAZ)
- Nylon back facing (PAR)
- Nylon both facing (PAZ/PAR)
- Transport backing (T) & (T-PAZ) up to 100mm wide
- Special Polyurethanes upon request
- Antistatic, coloured, machined, ground and punched belts

Standard lengths (mm)/Number of teeth

Length	No. teeth	Length	No. teeth	Length	No. teeth
1080	108	1750	175	4000	400
1150	115	1780	178	4250	425
1210	121	1880	188	4500	450
1240	124	1960	196	4750	475
1250	125	2250	225	5000	500
1320	132	2360	236	5300	530
1350	135	2500	250	5600	560
1390	139	2650	265	6000	600
1400	140	2800	280	6300	630
1420	142	3000	300	6700	670
1460	146	3100	310	7100	710
1500	150	3150	315	7500	750
1560	156	3350	335	8000	800
1610	161	3750	375	9000	900

Belt widths (mm) – Intermediate belt widths on request	
50	100

TK10K6 BFX	Available lengths & versions	
Standard lengths	See table on the left	
Any number of teeth available from	720mm up to 22,000mm	
Intermediate lengths	from 720mm	o
Standard Plus version	720mm up to 22,000mm	
Over 22,000mm	On request	
Standard material	TPUST1[1)]	
Steel tension member (standard)	x	
E tension member	o	
Stainless Steel tension member	o	
PAZ	From 1,080mm	x
DL/DL-PAZ	-	
DR/DR-PAZ	-	
T/T-PAZ	-	

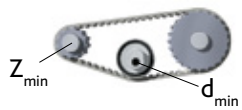
x Available, standard lengths (see table) without minimum purchase
o Minimum purchase amount on request
- Not available
1) Further materials on request

Technical Specification

TK10 K6 - Allowable tensile load			
Belt width	b (mm)	50	100
Tension member loadings	F_{adm}(N)	3800	7800
Belt weight	kg/m	0.235	0.458

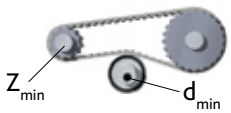
Drive Type A

Type A	TK10K6
Z_{min}	20
d_{min}	60



Drive Type B

Type B	TK10K6
Z_{min}	25
d_{min}	80

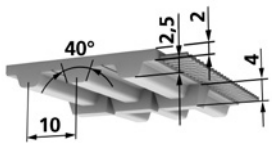


Z_{min} = Minimum number of teeth. d_{min} = Minimum diameter (mm)

TK10K6 BRECO® Open Length (M)/Joined (V)

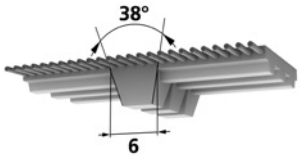
Polyurethane, Steel reinforced, extruded open length & joined - T Profile in metric pitch with trapezoidal toothform, self-tracking.

Standard



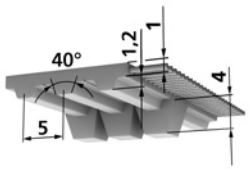
TK10K6

Standard



K6 GUIDE SECTION

Classic



TK10K6

For Classic details & options see page 29

BRECO® timing belts TK10K6

- Polyurethane, Steel reinforced, joined & open length belting
- Standard T Profile to DIN 7721 in metric pitch with trapezoidal toothform

Available types for TK10K6:

- Single sided
- Nylon tooth facing (PAZ)
- Nylon back facing (PAR)
- Nylon both facing (PAZ/PAR)
- Special Polyurethanes upon request
- Antistatic, coloured, machined, ground and punched belts

Belt widths (mm) Intermediate belt widths on request	
25	50

TK10K6 (M/V)	Available lengths & versions
Standard delivery lengths (M)	Rolls of 50 or 100m
Cut to lengths/lengths > 100m	On request
Minimum length joined (V)	1,000mm
Standard material	TPUST1[1)]
Steel tension member (standard)	x
E tension member	-
Stainless Steel tension member	o
PAZ	x
PAR	x
PAZ-PAR	x
DL/DL-PAZ	-
DR/DR-PAZ	-
T/T-PAZ	-

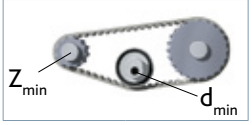
x Available
o Minimum purchase amount on request
- Not available
1) Further materials on request

Technical Specification

TK10K6 – Allowable tensile load by belt width			
Belt width	b (mm)	25	50
Tension member loadings F_{adm}(N)	M	2400	4200
	V	1200	2100
Belt weight	kg/m	0.129	0.239

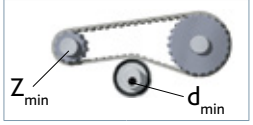
Drive Type A

Type A	TK10K6
Z_{min}	20
d_{min}	60



Drive Type B

Type B	TK10K6
Z_{min}	25
d_{min}	80

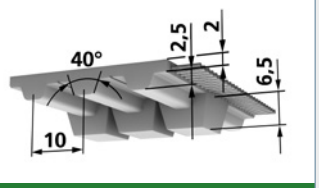


Z_{min} = Minimum number of teeth. d_{min} = Minimum diameter (mm)

TK10K13 BRECOFLEX®

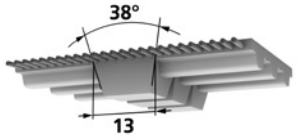
Polyurethane, Steel reinforced, extruded truly endless - T Profile in metric pitch with trapezoidal toothform, self-tracking.

Standard



TK10K13

Standard



K13 GUIDE SECTION

Available types for TK10K13

- Standard Plus extra accuracy versions from 1500 to 12000mm
- E: with E-tension members for increased flexibility
- Standard single sided
- Nylon tooth facing (PAZ)
- Available with Stainless Steel tension members*
- Special Polyurethanes upon request
- Antistatic, coloured, machined, ground and punched belts
- Backings

Please note:

- On 75 & 100 wide belts tracking guide will not be cogged unless requested.
- Lengths in multiples of 1 tooth available*
- Belts over 20,000mm long on request
- *Minimum quantities may apply

Belt widths (mm) Intermediate belt widths on request		
50	75	100

TK10K13 BFX	Available lengths & versions	
Standard lengths	See table on the left	
Any number of teeth available from	1,200mm up to 22,000mm	
Intermediate lengths	from 1,200mm	o
Standard Plus version	1,200mm up to 22,000mm	
Over 22,000mm	On request	
Standard material	TPUST1[1)]	
Steel tension member (standard)	x	
E tension member	o	
Stainless Steel tension member	o	
PAZ	x	
DL/DL-PAZ	-	
DR/DR-PAZ	-	
T/T-PAZ	-	

x Available, standard lengths (see table) without minimum purchase
o Minimum purchase amount on request
- Not available
1) Further materials on request

Standard Lengths (mm)/Number of teeth

Length	No. teeth	Length	No. teeth	Length	No. teeth	Length	No. teeth
1500	150	2360	236	3750	375	6000	600
1560	156	2500	250	4000	400	6300	630
1610	161	2650	265	4250	425	6700	670
1750	175	2800	280	4500	450	7100	710
1780	178	3000	300	4750	475	7500	750
1880	188	3100	310	5000	500	8000	800
1960	196	3150	315	5300	530	9000	900
2250	225	3350	335	5600	560		

Technical Specification

TK10 K13 - Allowable tensile load				
Belt width	b (mm)	50	75	100
Tension member loadings	F_{adm}(N)	3800	5800	7800
Belt weight	kg/m	0.283	0.397	0.510

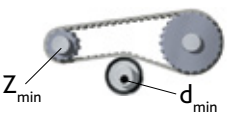
Drive Type A

Type A	TK10K13
Z_{min}	25
d_{min}	80



Drive Type B

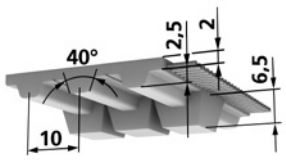
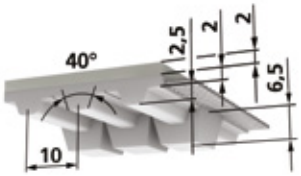
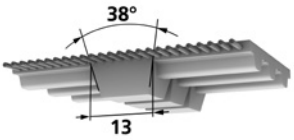
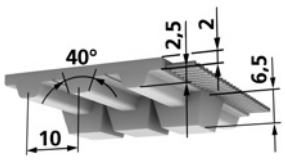
Type B	TK10K13
Z_{min}	25
d_{min}	120



Z_{min} = Minimum number of teeth. d_{min} = Minimum diameter (mm)

TK10K13 BRECO® Open Length (M)/Joined (V)

Polyurethane, Steel reinforced, extruded open length & joined - T Profile in metric pitch with trapezoidal toothform, self-tracking.

Standard	Version T	Standard	Classic
			
TK10K13	TK10K13-T	K13 GUIDE SECTION	TK10K13

For Classic details & options see page 29

Available types for TK10K13

- Standard Plus extra accuracy versions from 1500 to 12,000mm
- E: with E-tension members for increased flexibility
- Standard single sided
- Nylon tooth facing (PAZ)
- Available with Stainless Steel tension members*
- Special Polyurethanes upon request
- Antistatic, coloured, machined, ground and punched belts
- Backings

Please note :

- On 75 & 100 wide belts tracking guide will not be cogged unless requested
- Lengths in multiples of 1 tooth available*
- Belts over 20,000mm long on request
- *Minimum quantities may apply

Belt widths (mm) Intermediate belt widths on request			
32	50	75	100

TK10K13 (M/V)	Available lengths & versions
Standard delivery lengths (M)	Rolls of 50 or 100m
Cut to lengths/lengths > 100m	On request
Minimum length joined (V)	1,000mm
Standard material	TPUST1[1)]
Steel tension member (standard)	x
E tension member	-
Stainless Steel tension member	o
PAZ	x
PAR	x
PAZ-PAR	x
DL/DL-PAZ	-
DR/DR-PAZ	-
T/T-PAZ	o

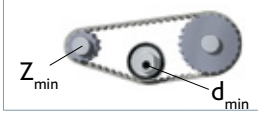
x Available
o Minimum purchase amount on request
- Not available
1) Further materials on request

Technical Specification

TK10 K13 – Allowable tensile load by belt width					
Belt width	b (mm)	32	50	75	100
Tension member loadings F_{adm}(N)	M	2600	4200	5200	8400
	V	1300	2100	2600	3300
Belt weight	kg/m	0.282	0.407	0.569	0.735

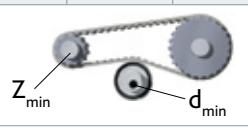
Drive Type A

Type A	TK10K13	TK10K13-T
Z_{min}	25	25
d_{min}	80	80



Drive Type B

Type B	TK10K13	TK10K13-T
Z_{min}	25	25
d_{min}	80	80



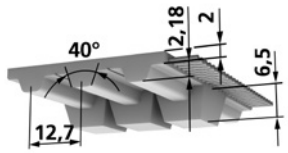
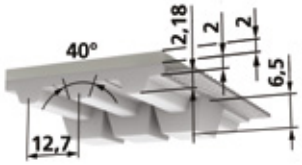
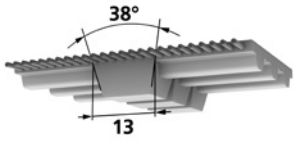
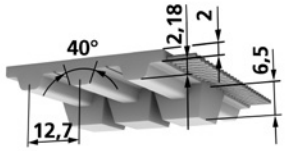
Z_{min} = Minimum number of teeth. d_{min} = Minimum diameter (mm)

TK1/2" K13 BRECO® Open Length (M)/Joined (V)

BRECO TIMING BELTS

97 330

Polyurethane, Steel reinforced, extruded open length & joined, classic imperial pitch with trapezoidal toothform, self-tracking.

Standard	Version T	Standard	Classic
			
T1/2"K13	T1/2"K13-T	K13 GUIDE SECTION	T1/2"K13

For Classic details & options see page 29

BRECO® timing belts T1/2" K13

- Polyurethane, Steel reinforced, joined & open length belting
- Classic Imperial pitch with trapezoidal toothform

Available types for T1/2" K13:

- Single sided
- Nylon tooth facing (PAZ)
- Nylon back facing (PAR)
- Nylon both facing (PAZ/PAR)
- Transport backing (T) & (T-PAZ)
- Special Polyurethanes upon request
- Antistatic, coloured, machined, ground and punched belts

Belt widths (mm) Intermediate belt widths on request			
38,1	50,8	76,2	101.6

TK1/2" K13 (M/V)	Available lengths and versions
Standard delivery lengths (M)	Rolls of 50 or 100m
Cut to lengths/lengths > 100m	On request
Minimum length joined (V)	1,000mm
Standard material	TPUST1[1)]
Steel tension member (standard)	x
E tension member	-
Stainless Steel tension member	o
PAZ	x
PAR	x
PAZ-PAR	x
DL/DL-PAZ	-
DR/DR-PAZ	-
T/T-PAZ	o

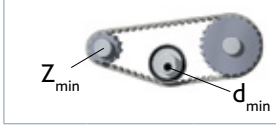
x Available
o Minimum purchase amount on request
- Not available
1) Further materials on request

Technical Specification

TK1/2" K13 – Allowable tensile load by belt width					
Belt width	b (mm)	38.1	50.8	76.2	101.6
Tension member loadings F_{adm}(N)	M	3200	4200	4800	6200
	V	1600	2100	2400	3100
Belt weight	T1/2K13	0.222	0.275	0.368	0.469
	T	0.253	0.338	0.507	0.676

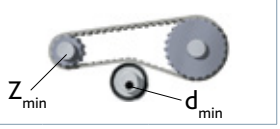
Drive Type A

Type A	T1/2"K13	T1/2"K13-T
Z_{min}	18	20
d_{min}	80	80



Drive Type B

Type B	T1/2"K13	T1/2"K13-T
Z_{min}	20	20
d_{min}	120	120



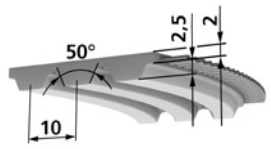
Z_{min} = Minimum number of teeth. d_{min} = Minimum diameter (mm)

BAT10 BRECOFLEX®

20% EXTRA POWER

Polyurethane, Steel reinforced, extruded truly endless, revolutionary curved tooth design, reduced noise, vibration and polygonal effect.

Standard



BAT10

BRECOFLEX® timing belts BAT10

- Polyurethane, Steel reinforced, extruded open and joined
- Revolutionary curved tooth design, reduced noise, vibration and polygonal effect

Available endless lengths for BAT10:

- For preferred lengths refer to table
- Under 1,100mm, max. width is 50mm, further lengths upon request
- Over 1,500mm belts lengths available in multiples of 1 tooth*
- Over 20,000mm please enquire

Please note:

*Minimum quantities may apply

Standard lengths (mm)/Number of teeth

Length	No. teeth	Length	No. teeth	Length	No. teeth
1100	110	1700	170	4000	400
1150	115	1800	180	4500	450
1210	121	1900	190	5000	500
1240	124	2000	200	5600	560
1250	125	2240	224	6000	600
1320	132	2500	250	6700	670
1400	140	2800	280	7100	710
1500	150	3000	300	7500	750
1600	160	3550	355		

Technical Specification

BAT10 – Allowable tensile load by belt width					
Belt width	b (mm)	32	50	75	100
Tension member loadings	F_{adm}(N)	4750	7750	12000	16000
Belt weight	kg/m	0.180	0.290	0.436	0.581

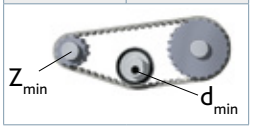
Belt widths b (mm) Intermediate belt widths on request			
32	50	75	100

BAT10 BFX	Available lengths & versions	
Standard lengths	See table on the left	
Any number of teeth available from	b=50mm from 720mm	
	1,100mm up to 22,000mm	
Intermediate lengths	from 1,100mm[1]	o
Standard Plus version	1,100mm up to 22,000mm[1]	
Over 22,000mm	On request	
Standard material	TPUST1[2]	
Steel tension member (standard)	x	
E tension member	o	
Stainless Steel tension member	o	
PAZ	x	
DL/DL-PAZ	-	
DR/DR-PAZ	-	
T/T-PAZ	-	

x Available, standard lengths (see table) without minimum purchase
o Minimum purchase amount on request
- Not available
1) b=50mm from 720mm
2) Further materials on request

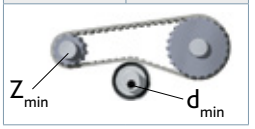
Drive Type A

Type A	BAT10
Z_{min}	20
d_{min}	60



Drive Type B

Type B	BAT10
Z_{min}	25
d_{min}	120

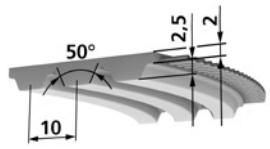


Z_{min} = Minimum number of teeth. d_{min} = Minimum diameter (mm)

BAT10 BRECO® Open Length (M)/Joined (V)

Polyurethane, Steel reinforced, extruded open length & joined, revolutionary curved tooth design, reduced noise, vibration and polygonal effect.

Standard



BAT10

BRECO® timing belts BAT10-M & V

- Polyurethane, Steel reinforced, joined & open length belting
- Revolutionary curved tooth design, reduced noise, vibration and polygonal effect

Available endless lengths for BAT10-M & V:

- Single sided
- Nylon tooth facing (PAZ)
- Special Polyurethanes upon request
- Antistatic, coloured, machined, ground and punched belts

Belt widths (mm) Intermediate belt widths on request				
25	32	50	75	100

BAT10 (M/V)	Available lengths and versions
Standard delivery lengths (M)	Rolls of 50 or 100m
Cut to lengths/lengths > 100m	On request
Minimum length joined (V)	880mm
Standard material	TPUST1[1)]
Steel tension member (standard)	x
E tension member	-
Stainless Steel tension member	o
PAZ	x
PAR	x
PAZ-PAR	x
DL/DL-PAZ	-
DR/DR-PAZ	-
T/T-PAZ	-

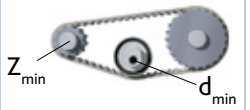
x Available
o Minimum purchase amount on request
- Not available
1) Further materials on request

Technical Specification

BAT10 – Allowable tensile load by belt width						
Belt width	b (mm)	25	32	50	75	100
Tension member loadings F_{adm}(N)	M	3750	5000	7500	12000	17000
	V	1875	2500	3750	6000	8500
Belt weight	kg/m	0.158	0.180	0.290	0.436	0.581

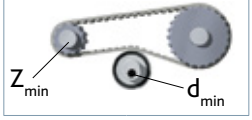
Drive Type A

Type A	BAT10
Z_{min}	20 (25)
d_{min}	60 (80)



Drive Type B

Type B	BAT10
Z_{min}	25
d_{min}	120



Z_{min} = Minimum number of teeth. d_{min} = Minimum diameter (mm)

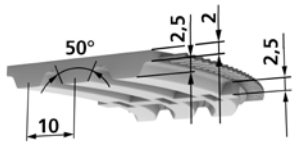
Values in brackets apply to joined timing belts.

BATK10 BRECOFLEX®

20% EXTRA POWER

Polyurethane, Steel reinforced, extruded truly endless, revolutionary curved tooth design, reduced noise, vibration and polygonal effect.

Standard



BATK10

BRECOFLEX® timing belts BATK10

- Polyurethane, Steel reinforced, joined & open length belting
- Revolutionary curved tooth design, reduced noise, vibration and polygonal effect

Available types for BATK10:

- For preferred lengths refer to table below
- Over 1,100mm belts lengths available in multiples of 1 tooth*
- Over 20,000mm please enquire

Please note:

- *Minimum quantities may apply

Standard lengths (mm)/Number of teeth

Length	No. teeth	Length	No. teeth	Length	No. teeth
1100	110	1700	170	4000	400
1150	115	1800	180	4500	450
1210	121	1900	190	5000	500
1240	124	2000	200	5600	560
1250	125	2240	224	6000	600
1320	132	2500	250	6700	670
1400	140	2800	280	7100	710
1500	150	3000	300	7500	750
1600	160	3550	355		

Technical Specification

BATK10 – Allowable tensile load by belt width					
Belt width	b (mm)	32	50	75	100
Tension member loadings	F_{adm}(N)	4750	7750	12000	16000
Belt weight	kg/m	0.192	0.300	0.450	0.600

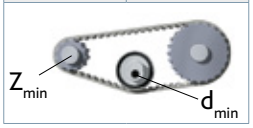
Belt widths (mm) Intermediate belt widths on request			
32	50	75	100

BATK10 BFX	Available lengths & versions	
Standard lengths	See table on the left	
Any number of teeth available from	1,100mm up to 22,000mm	
Intermediate lengths	from 1,100mm	o
Standard Plus version	1,100mm up to 22,000mm	
Over 22,000mm	On request	
Standard material	TPUST1[1)]	
Steel tension member (standard)	x	
E tension member	o	
Stainless Steel tension member	o	
PAZ	x	
DL/DL-PAZ	-	
DR/DR-PAZ	-	
T/T-PAZ	-	

x Available, standard lengths (see table) without minimum purchase
o Minimum purchase amount on request
- Not available
1) Further materials on request

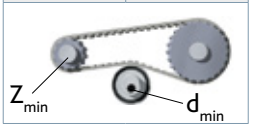
Drive Type A

Type A	BATK10
Z_{min}	20
d_{min}	60



Drive Type B

Type B	BATK10
Z_{min}	25
d_{min}	120



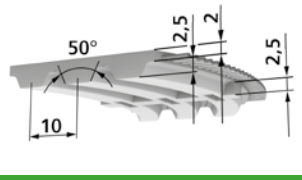
Z_{min} = Minimum number of teeth. d_{min} = Minimum diameter (mm)

BATK10 BRECO® Open Length (M)/Joined (V)

97 330

Polyurethane, Steel reinforced, extruded open length & joined, revolutionary curved tooth design, reduced noise, vibration and polygonal effect.

Standard



BATK 10

BRECO® timing belts BATK10-M/V

- Polyurethane, Steel reinforced, joined & open length belting
- Revolutionary curved tooth design, reduced noise, vibration and polygonal effect

Available types for BATK10:

- Single sided
- Nylon tooth facing (PAZ)
- Special Polyurethanes upon request
- Antistatic, coloured, machined, ground and punched belts

Belt widths (mm) Intermediate belt widths on request			
32	50	75	100

BATK10 (M/V)		Available lengths and versions
Standard delivery lengths (M)		Rolls of 50 or 100m
Cut to lengths/lengths > 100m		On request
Minimum length joined (V)		880mm
Standard material		TPUST1[1)]
Steel tension member (standard)		x
E tension member		-
Stainless Steel tension member		o
PAZ	Colour: white	x
PAR	Colour: green	x
PAZ-PAR	Colour: white-green	x
DL/DL-PAZ		-
DR/DR-PAZ		-
T/T-PAZ		-

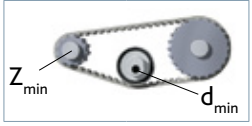
x Available
o Minimum purchase amount on request
- Not available
1) Further materials on request

Technical Specification

BATK10 – Allowable tensile load by belt width					
Belt width	b (mm)	32	50	75	100
Tension member loadings F_{adm}(N)	M	5000	7500	12000	17000
	V	2500	3750	6000	8500
Belt weight	kg/m	0.192	0.300	0.450	0.600

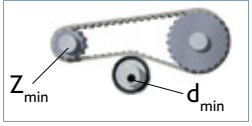
Drive Type A

Type A	BATK10
Z_{min}	20 (25)
d_{min}	60 (80)



Drive Type B

Type B	BATK10
Z_{min}	25
d_{min}	120



Z_{min} = Minimum number of teeth. d_{min} = Minimum diameter (mm)

Values in brackets apply to joined timing belts.



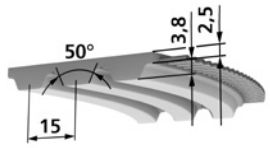
See **Special Pulleys – Page 330**

BAT15 BRECOFLEX®

20% EXTRA POWER

Polyurethane, Steel reinforced, extruded truly endless, revolutionary curved tooth design, reduced noise, vibration and polygonal effect.

Standard



BAT15

BRECOFLEX® timing belts BAT15

- Polyurethane, Steel reinforced, truly endless
- Revolutionary curved tooth design, reduced noise, vibration and polygonal effect

Available types for BAT15:

- For preferred lengths refer to table below
- Over 1,500mm belts lengths available in multiples of 1 tooth*
- Over 21,990mm please enquire

Please note:

*Minimum quantities may apply

Standard lengths (mm)/Number of teeth

Length	No. teeth	Length	No. teeth	Length	No. teeth
1500	100	2790	186	5595	373
1590	106	3000	200	6000	400
1710	114	3495	233	6300	420
1800	120	3750	250	6705	447
1905	127	4005	267	7095	473
1995	133	4500	300	7500	500
2250	150	4995	333		
2505	167	5295	353		

Technical Specification

BAT15 – Allowable tensile load by belt width				
Belt width	b (mm)	50	75	100
Tension member loadings	F_{adm}(N)	10400	16000	21600
Belt weight	kg/m	0.420	0.629	0.836

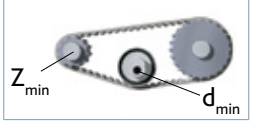
Belt widths (mm) Intermediate belt widths on request		
50	75	100

BAT15 BFX	Available lengths & versions	
Standard lengths	See table on the left	
Any number of teeth available from	1,500mm up to 21,990mm	
Intermediate lengths	From 1,500mm	o
Standard Plus version	1,500mm up to 21,990mm	
Over 21,990mm	On request	
Standard material	TPUST1[1)]	
Steel tension member (standard)	x	
E tension member	o	
Stainless Steel tension member	o	
PAZ	x	
DL/DL-PAZ	-	
DR/DR-PAZ	-	
T/T-PAZ	-	

x Available, standard lengths (see table) without minimum purchase
o Minimum purchase amount on request
- Not available
1) Further materials on request

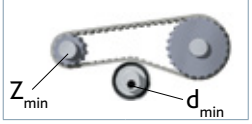
Drive Type A

Type A	BAT15
Z_{min}	20
d_{min}	100



Drive Type B

Type B	BAT15
Z_{min}	30
d_{min}	150



Z_{min} = Minimum number of teeth. d_{min} = Minimum diameter (mm)

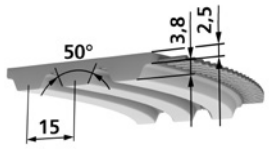
BAT15 BRECO® Open Length (M)/Joined (V)

BRECO TIMING BELTS

97 330

Polyurethane, Steel reinforced, extruded open length & joined, revolutionary curved tooth design, reduced noise, vibration and polygonal effect.

Standard



BAT15

BRECO® timing belts BAT15

- Polyurethane, Steel reinforced, joined & open length belting
- Revolutionary curved tooth design, reduced noise, vibration and polygonal effect

Available types for BAT15:

- Single sided
- Nylon tooth facing (PAZ)
- Special Polyurethanes upon request
- Antistatic, coloured, machined, ground and punched belts

Belt widths (mm) Intermediate belt widths on request		
50	75	100

BAT15 (M/V)	Available lengths and versions
Standard delivery lengths (M)	Rolls of 50 or 100m
Cut to lengths/lengths > 100m	On request
Minimum length joined (V)	960mm
Standard material	TPUST1[1)]
Steel tension member (standard)	x
E tension member	-
Stainless Steel tension member	o
PAZ	x
PAR	x
PAZ-PAR	x
DL/DL-PAZ	-
DR/DR-PAZ	-
T/T-PAZ	-

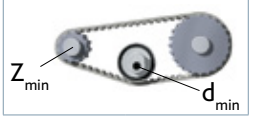
x Available
o Minimum purchase amount on request
- Not available
1) Further materials on request

Technical Specification

BAT15 – Allowable tensile load by belt width				
Belt width	b (mm)	50	75	100
Tension member loadings F_{adm}(N)	M	11200	16800	22400
	V	5600	8400	11200
Belt weight	kg/m	0.428	0.642	0.856

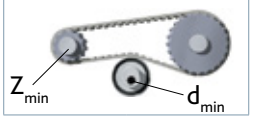
Drive Type A

Type A	BAT15
Z_{min}	20 (25)
d_{min}	100 (120)



Drive Type B

Type B	BAT15
Z_{min}	30 (35)
d_{min}	150 (180)



Z_{min} = Minimum number of teeth. d_{min} = Minimum diameter (mm)

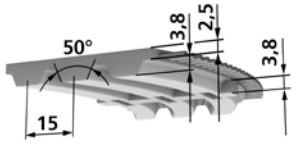
Values in brackets apply to joined timing belts.

BATK15 BRECOFLEX®

20% EXTRA POWER

Polyurethane, Steel reinforced, extruded truly endless, revolutionary curved tooth design, reduced noise, vibration and polygonal effect.

Standard



BATK15

BRECOFLEX® timing belts BATK15

- Polyurethane, Steel reinforced, joined & open length belting
- Revolutionary curved tooth design, reduced noise, vibration and polygonal effect

Available types for BATK15:

- For preferred lengths refer to table below
- Over 1,500mm belts lengths available in multiples of 1 tooth*
- Over 21,990mm please enquire

Please note:

*Minimum quantities may apply

Standard lengths (mm)/Number of teeth

Length	No. teeth	Length	No. teeth	Length	No. teeth
1500	100	2790	186	5595	373
1590	106	3000	200	6000	400
1710	114	3495	233	6300	420
1800	120	3750	250	6705	447
1905	127	4005	267	7095	473
1995	133	4500	300	7500	500
2250	150	4995	333		
2505	167	5295	353		

Technical Specification

BATK 15 – Allowable tensile load by belt width				
Belt width	b (mm)	50	75	100
Tension member loadings	F_{adm}(N)	10400	16000	21600
Belt weight	kg/m	0.420	0.629	0.836

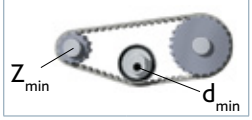
Belt widths (mm) Intermediate belt widths on request		
50	75	100

BATK15 BFX	Available lengths & versions	
Standard lengths	See table on the left	
Any number of teeth available from	1,500mm up to 21,990mm	
Intermediate lengths	from 1,500mm	o
Standard Plus version	1,500mm up to 21,990mm	
Over 21,990mm	On request	
Standard material	TPUST1[1)]	
Steel tension member (standard)	x	
E tension member	o	
Stainless Steel tension member	o	
PAZ	x	
DL/DL-PAZ	-	
DR/DR-PAZ	-	
T/T-PAZ	-	

x Available, standard lengths (see table) without minimum purchase
o Minimum purchase amount on request
- Not available
1) Further materials on request

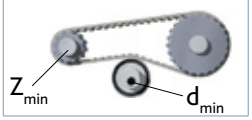
Drive Type A

Type A	BATK15
Z_{min}	20
d_{min}	100



Drive Type B

Type B	BATK15
Z_{min}	30
d_{min}	150

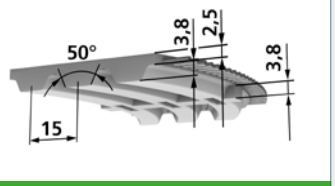


Z_{min} = Minimum number of teeth. d_{min} = Minimum diameter (mm)

BATK15 BRECO® Open Length (M)/Joined (V)

Polyurethane, Steel reinforced, extruded open length & joined, revolutionary curved tooth design, reduced noise, vibration and polygonal effect.

Standard



BATK15

BRECO® timing belts BATK15

- Polyurethane, Steel reinforced, extruded open and joined
- Revolutionary curved tooth design, reduced noise, vibration and polygonal effect

Available types for BATK15:

- Single sided
- Nylon tooth facing (PAZ)
- Special Polyurethanes upon request
- Antistatic, coloured, machined, ground and punched belts

Belt widths (mm) Intermediate belt widths on request		
50	75	100

BATK15 (M/V)	Available lengths & versions
Standard delivery lengths (M)	Rolls of 50 or 100m
Cut to lengths/lengths> 100m	On request
Minimum length joined (V)	960mm
Standard material	TPUST1[1)]
Steel tension member (standard)	x
E tension member	-
Stainless Steel tension member	o
PAZ	x
PAR	x
PAZ-PAR	x
DL/DL-PAZ	-
DR/DR-PAZ	-
T/T-PAZ	-

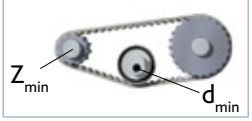
x Available, standard lengths
o Minimum purchase amount on request
- Not available
1) Further materials on request

Technical Specification

BATK15 – Allowable tensile load by belt width				
Belt width	b (mm)	50	75	100
Tension member loadings F_{adm}(N)	M	11200	16800	22400
	V	5600	8400	11200
Belt weight	kg/m	0.428	0.642	0.856

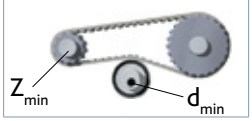
Drive Type A

Type A	BATK15
Z_{min}	20 (25)
d_{min}	100 (120)



Drive Type B

Type B	BATK15
Z_{min}	30 (35)
d_{min}	150 (180)



Z_{min} = Minimum number of teeth. d_{min} = Minimum diameter (mm)

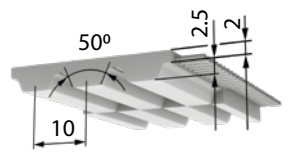
Values in brackets apply to joined timing belts.

SFAT10 BRECOFLEX®

20% EXTRA POWER

Polyurethane, Steel reinforced, extruded truly endless, self tracking with staggered teeth.

Standard



SFAT10

BRECOFLEX® timing belts SFAT10

- Polyurethane, Steel reinforced, extruded endless
- Self-tracking with staggered teeth

Available endless lengths for SFAT10:

- For preferred lengths refer to table
- Over 1,500mm belts lengths available in multiples of 1 tooth*
- Over 22,000mm please enquire

Please note :

*Minimum quantities may apply

Belt widths (mm) Intermediate belt widths on request		
50	75	100

SFAT10 BFX	Available lengths & versions	
Standard lengths	See table on the left	
Any number of teeth available from	1,100mm up to 22,000mm	
Intermediate lengths	from 1,100mm	o
Standard Plus version	1,100mm up to 22,000mm	
Over 22,000mm	On request	
Standard material	TPUST1[1)]	
Steel tension member (standard)	x	
E tension member	o	
Stainless Steel tension member	o	
PAZ	x	
DL/DL-PAZ	-	
DR/DR-PAZ	-	
T/T-PAZ	-	

x Available, standard lengths (see table) without minimum purchase
o Minimum purchase amount on request
- Not available
1) Further materials on request

Standard lengths (mm)/Number of teeth

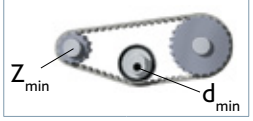
Length	No. teeth	Length	No. teeth	Length	No. teeth
1100	110	1900	190	4500	450
1200	120	2000	200	5000	500
1300	130	2240	224	5600	560
1400	140	2500	250	6000	600
1500	150	2800	280	6700	670
1600	160	3000	300	7100	710
1700	170	3550	355	7500	750
1800	180	4000	400		

Technical Specification

SFAT 10 – Allowable tensile load by belt width				
Belt width	b (mm)	50	75	100
Tension member loadings	F_{adm}(N)	7750	12000	16000
Belt weight	kg/m	0.290	0.436	0.581

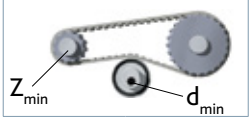
Drive Type A

Type A	SFAT10
Z_{min}	15
d_{min}	50



Drive Type B

Type B	SFAT10
Z_{min}	25
d_{min}	120



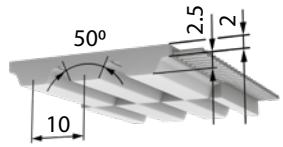
Z_{min} = Minimum number of teeth. d_{min} = Minimum diameter (mm)

SFAT10 BRECO® Open Length (M)/Joined (V)

97 330

Polyurethane, Steel reinforced, extruded open length & joined High Power AT Profile in metric pitch with trapezoidal toothform, self-tracking.

Standard



SFAT10

BRECO® timing belts SFAT10

- Polyurethane, Steel reinforced, extruded open and joined
- Self-tracking with staggered teeth

Available types for SFAT10:

- Single sided
- Nylon tooth facing (PAZ)
- Special Polyurethanes upon request
- Antistatic, coloured, machined, ground and punched belts

Technical Specification

SFAT10 – Allowable tensile load by belt width				
Belt width	b (mm)	50	75	100
Tension member loadings F_{adm}(N)	M	7500	10500	16000
	V	3750	5250	8000
Belt weight	kg/m	0.290	0.436	0.581

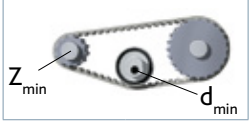
Belt widths (mm) Intermediate belt widths on request		
50	75	100

SFAT10 (M/V)	Available lengths and versions
Standard delivery lengths (M)	Rolls of 50 or 100m
Cut to lengths/lengths > 100m	On request
Minimum length joined (V)	880mm
Standard material	TPUST1[1)]
Steel tension member (standard)	x
E tension member	o
Stainless Steel tension member	o
PAZ	x
PAR	x
PAZ-PAR	x
DL/DL-PAZ	-
DR/DR-PAZ	-
T/T-PAZ	-

x Available
o Minimum purchase amount on request
- Not available
1) Further materials on request

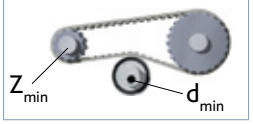
Drive Type A

Type A	SFAT10
Z_{min}	15 (25)
d_{min}	50 (80)



Drive Type B

Type B	SFAT10
Z_{min}	25
d_{min}	120



Z_{min} = Minimum number of teeth. d_{min} = Minimum diameter (mm)
Values in brackets apply to joined timing belts.



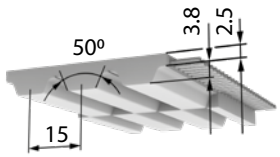
See Special Pulleys – Page 330

SFAT15 BRECOFLEX®

20% EXTRA POWER

Polyurethane, Steel reinforced, extruded truly endless, self tracking with staggered teeth.

Standard



SFAT15

BRECOFLEX® timing belts SFAT15

- Polyurethane, Steel reinforced, extruded endless
- Self-tracking with staggered teeth

Available endless lengths for SFAT15:

- For preferred lengths refer to table
- Over 1,500mm belts lengths available in multiples of 1 tooth*
- Over 21,990mm please enquire

Please note:

*Minimum quantities may apply

Belt widths (mm) Intermediate belt widths on request		
50	75	100

SFAT15 BFX	Available lengths & versions	
Standard lengths	See table on the left	
Any number of teeth available from	1,500mm up to 21,990mm	
Intermediate lengths	From 1,500mm	o
Standard Plus version	1,500mm up to 21,990mm	
Over 21,990mm	On request	
Standard material	TPUST1[1)]	
Steel tension member (standard)	x	
E tension member	o	
Stainless Steel tension member	o	
PAZ	x	
DL/DL-PAZ	-	
DR/DR-PAZ	-	
T/T-PAZ	-	

x Available, standard lengths (see table) without minimum purchase
o Minimum purchase amount on request
- Not available
1) Further materials on request

Standard lengths (mm)/Number of teeth

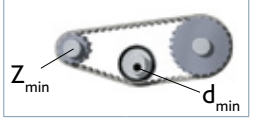
Length	No. teeth	Length	No. teeth	Length	No. teeth
1500	100	2790	186	5595	373
1590	106	3000	200	6000	400
1710	114	3495	233	6300	420
1800	120	3750	250	6705	447
1905	127	4005	267	7095	473
1995	133	4500	300	7500	500
2250	150	4995	333		
2505	167	5295	353		

Technical Specification

SFAT 15 – Allowable tensile load by belt width				
Belt width	b (mm)	50	75	100
Tension member loadings	F_{adm}(N)	10000	15600	21200
Belt weight	kg/m	0.440	0.660	0.875

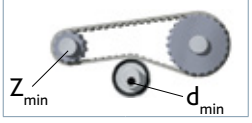
Drive Type A

Type A	SFAT15
Z_{min}	20
d_{min}	100



Drive Type B

Type B	SFAT15
Z_{min}	25
d_{min}	150



Z_{min} = Minimum number of teeth. d_{min} = Minimum diameter (mm)

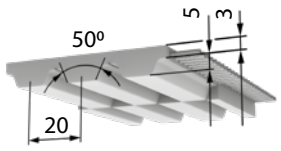
SFAT20 BRECOFLEX®

BRECOflex TIMING BELTS

97 330 20% EXTRA POWER

Polyurethane, Steel reinforced, extruded open length & joined High Power AT Profile in metric pitch with trapezoidal toothform, self-tracking.

Standard



SFAT20

BRECOFLEX® timing belts SFAT20

- Polyurethane, Steel reinforced, joined & open length belting
- High Power AT Profile in metric pitch with trapezoidal toothform, self-tracking

Available endless lengths for SFAT20:

- For preferred lengths refer to table
- Over 1,500mm belts lengths available in multiples of 1 tooth*
- Over 22,000mm please enquire

Please note:

*Minimum quantities may apply

Belt widths (mm) Intermediate belt widths on request		
50	75	100

BFX SFAT20	Available lengths & versions	
Standard lengths	See table on the left	
Any number of teeth available from	1,500mm up to 22,000mm	
Intermediate lengths	from 1,500mm	o
Standard Plus version	1,500mm up to 22,000mm	
Over 22,000mm	On request	
Standard material	TPUST1[1)]	
Steel tension member (standard)	x	
E tension member	o	
Stainless Steel tension member	o	
PAZ	x	
DL/DL-PAZ	-	
DR/DR-PAZ	-	
T/T-PAZ	-	

x Available, standard lengths
o Minimum purchase amount on request
- Not available
1) Further materials on request

Standard lengths (mm)/Number of teeth

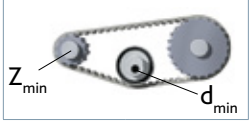
Length	No. teeth	Length	No. teeth	Length	No. teeth
1500	75	2500	125	5000	250
1600	80	2800	140	5600	280
1700	85	3000	150	6000	300
1800	90	3560	178	6700	335
1900	95	3760	188	7100	355
2000	100	4000	200	7500	375
2240	112	4500	225		

Technical Specification

SFAT 20 – Allowable tensile load by belt width				
Belt width	b (mm)	50	75	100
Tension member loadings	F_{adm}(N)	10000	15600	21200
Belt weight	kg/m	0.480	0.720	0.960

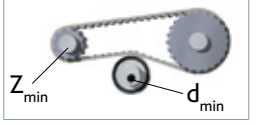
Drive Type A

Type A	SFAT20
Z_{min}	18
d_{min}	120



Drive Type B

Type B	SFAT20
Z_{min}	25
d_{min}	180



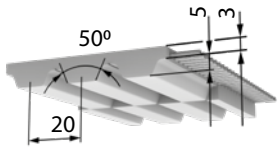
Z_{min} = Minimum number of teeth. d_{min} = Minimum diameter (mm)

SFAT20 BRECO® Open Length (M)/Joined (V)

97 330

Polyurethane, Steel reinforced, extruded open length & joined, High Power AT Profile in metric pitch with trapezoidal toothform, self-tracking.

Standard



SFAT20

BRECO® timing belts SFAT20

- Polyurethane, Steel reinforced, joined & open length belting
- High Power AT Profile in metric pitch with trapezoidal toothform, self-tracking

Available types for SFAT20:

- Single sided
- Nylon tooth facing (PAZ)
- Special Polyurethanes upon request
- Antistatic, coloured, machined, ground and punched belts

Belt widths (mm) Intermediate belt widths on request		
50	75	100

SFAT20 (M/V)	Available lengths and versions
Standard delivery lengths (M)	Rolls of 50
Cut to length/length > 50m	On request
Minimum length joined (v)	1,500mm
Standard material	TPUST1[1)]
Steel tension member (standard)	x
E tension member	-
Stainless Steel tension member	o
PAZ	x
PAR	x
PAZ-PAR	x
DL/DL-PAZ	-
DR/DR-PAZ	-
T/T-PAZ	-

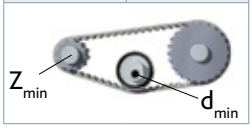
x Available, standard lengths (see table) without minimum purchase
o Minimum purchase amount on request
- Not available
1) Further materials on request

Technical Specification

SFAT20 – Allowable tensile load by belt width				
Belt width	b (mm)	50	75	100
Tension member loadings F_{adm}(N)	M	11200	16800	22400
	V	5600	8400	11200
Belt weight	kg/m	0.480	0.720	0.960

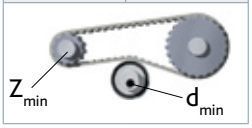
Drive Type A

Type A	SAFT20
Z_{min}	18 (20)
d_{min}	120



Drive Type B

Type B	SAFT20
Z_{min}	25
d_{min}	180



Z_{min} = Minimum number of teeth. d_{min} = Minimum diameter (mm)

Values in brackets apply to joined timing belts.

BRECO® TIMING BELTS

BRECO® ATN Series Timing Belts



- VARIABLE PROFILE PITCHES
- HIGH SHEAR RESISTANCE
- HIGH OPTICAL QUALITY
- FAST AND EASY PROFILE CHANGE
- HIGH AVAILABILITY AND VARIABILITY



BRECO® TRANSPORT
ATN Flexi-Flight

PROFILE & PITCH PERFECTION

Discover new possibilities with BRECO® ATN TRANSPORT; the modular technology for conveying, indexing and transport belts.

Standard belts = cost advantages

As the ATN system is compatible with Standard belts it means shorter downtimes during flight change, low test costs due to the interchangeability of flights and Low spare parts and installation costs.

- Modular system
- Mechanical joint available
- Variable flight spacing
- Different flight materials can be used
- High flight spacing precision
- High shear resistance
- Faster flight change in use
- No need to remove belt when changing flights
- Flights can be adjusted on installation
- Standard pulleys used
- Infinite attachment possibilities
- Flights accept customer attachments
- Standard inserts

Flights and profiles

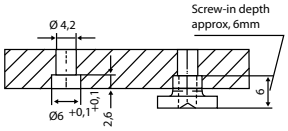
Flights and profiles can be quickly made to customers requirements. Flights can be of either plastic or metal and the properties chosen to match the application, whether it be high temperature, low temperature or food quality.

In applications where flights profiles either wear or need to be changed quickly. The base profile can be either a dovetail or 'T' section to allow flight to be removed or assembled easily. TransDev can supply any variation, from just the belt, inserts and screws, based on the most versatile and variable belting system available on the market today.

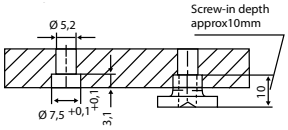
Please consult our technical department for specific applications.

Flight assembly details

ATN 10, ATN, 12,7



ATN 20



Type	Tooth	Pitch (mm)	Spacing (mm)	Available belt widths (mm)				Coating		
								PAZ (white)	PAR (green)	PAZ/PAR (w/green)
ATN10	AT10	10	25	25	50	75	100	•	•	•
ATN10 K6	ATN10	10	25	-	50	75	100	•	•	•
ATN12.7	AT10	12.7	25	25	50	75	100	•	•	•
ATN12.7 K6	AT10	12.7	25	-	50	75	100	•	•	•
ATN20	AT20	20	25	-	50	75	100	•	•	•
ATNS20	AT20	20	32	-	50	75*	-	•	•	•
Number of holes/ tooth				1	2	3/2*	4	•	•	•

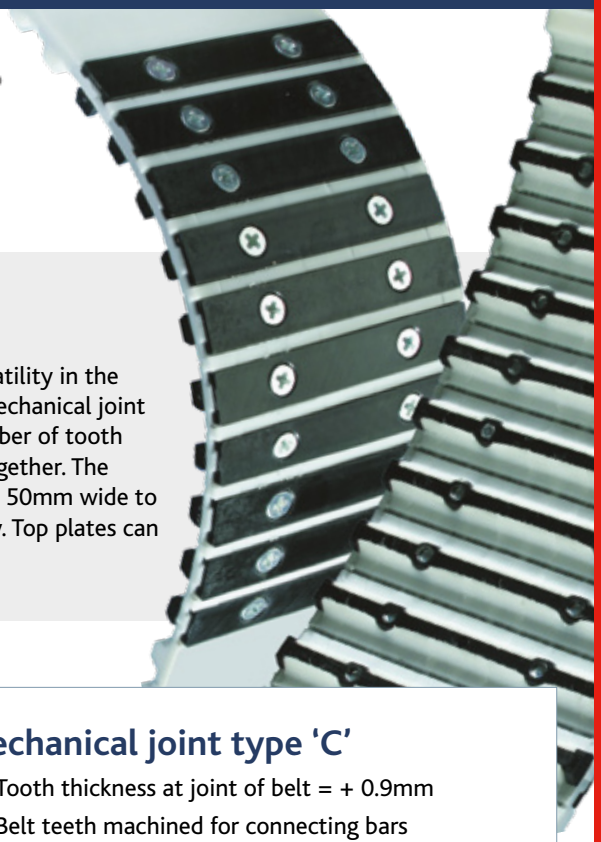
* ATNS20 has two holes at 75mm width

Screws and inserts**





24hr Breakdown available | Customisable product | Product code builder | Compatible product



BRECO® Mechanical Joint System

The BRECO® mechanical joint system gives the designer ever more versatility in the design and development of modular conveying systems. The BRECO® mechanical joint comprises of a prepared, finger Joined belt to the required length, a number of tooth clamps, matching top plates and the screws to join the whole system together. The system can be used on ATN10, ATN12.7 pitches and on belt widths from 50mm wide to 100mm wide. All joint parts can be of food quality materials if necessary. Top plates can be replaced with normal full width ATN profiles wherever required.



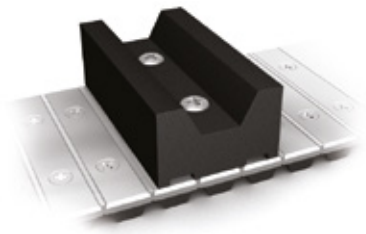
Mechanical joint type 'C'

- Tooth thickness at joint of belt = + 0.9mm
- Belt teeth machined for connecting bars
- Joint length = 10 teeth = 9 pitches
- Back plates screw on the back of the belt
- Profiles cannot be mounted over the joint



Mechanical joint type 'DC'

- Overall belt thickness increases by + 0.9mm
- Belt teeth and back machined for connecting bars and back plates
- Joint length = 10 teeth = 9 pitches
- Back plates countersunk into the back of the belt
- Profiles cannot be mounted over the joint



Mechanical Joint type 'DC-PRO'

- Belt teeth and back machined for connecting bars and back plates
- Joint length = 10 teeth = 9 pitches
- Back plates countersunk into the back of the belt
- Profiles can be mounted over the joint

Belt widths (mm) with available mechanical joints

Belt width	50	75	100
T10, AT10, ATN10, ATN10K6	C, DC, DC-PRO	C, DC, DC-PRO	C, DC, DC-PRO
ATN12.7, ATN12.7K6	C, DC, DC-PRO	C, DC, DC-PRO	C, DC, DC-PRO
ATN20	C, DC, DC-PRO	C, DC, DC-PRO	C, DC, DC-PRO
ATNS20	C, DC, DC-PRO	C, DC, DC-PRO	-

Inset parts and screw types

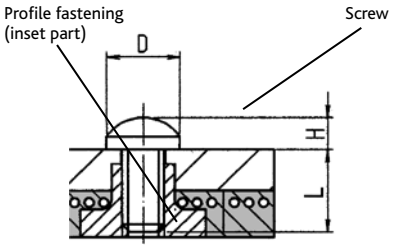
126

Screw connection with black polyamide inset part.





Polyamide inset parts EJOT Delta PT® screw



BRECO provides plastic, brass and VA steel inset parts and the respective screw types to fasten the profiles on the timing belts.

Belt Type	Screw type	Screw Length L	D	H
ATN10 / ATN12.7 /ATN10K6 / ATN12.7K6	Z40x8	8 (mm)	7.0	3.1
	Z40x12	12 (mm)	7.0	3.1
	Z40x16	16 (mm)	7.0	3.1
ATN20 / ATNS20	Z50x12	12 (mm)	8.8	3.5
	Z50x16	16 (mm)	8.8	3.5
	Z50x20	20 (mm)	8.8	3.5

Screw types:

EJOT Delta PT® screw made of tempering steel according to EJOT® WN 5461 part 2, with mushroom head and cross recess Z according to EJOT® WN 5411.

Note: For a high reliability of the screwed connection, BRECO recommends the exclusive application of original EJOT Delta PT® screws according to the above mentioned specification. These screw types were especially designed for thermoplastic components and provide the required safety and reliability during mounting and use, both under static and dynamic load. All screws have a head with Z cross recess in size 2.

Attention: The Delta PT® screws have no metrical ISO coarse-pitch thread according to DIN 13, thus, they are only suitable for plastic inset parts.

Recommended maximum screw-in torques for the connection			
		Flight Material	
Inset part	Belt type	Polyamide	Metal
Plastic	ATN10 / 12.7	70 (N_{cm})	70 (N_{cm})
	ATN20	100 (N_{cm})	100 (N_{cm})

Ordering example:

Inset parts made of polyamide:
ET-PA-ATN10 /12.7 or ET-PA-ATN20
Inset parts made of polyamide for ATN timing belts with the pitch 10 and 12.7 in design "DC": ET-PA-ATN10 / 12.7 DC

Ordering example:

JOT Delta PT® screw: ATN10 /12.7 screws Z40x8

Screw types

126

Screw connection with Brass	
	
Brass inset parts	Cheese head screws

Screw connection with VA inset parts	
	
VA inset parts	VA cheese head screws

Cheese head screws according to DIN 7984
(Zinc-plated) with hexagon socket and pressed head.

Belt Type	Screw type	Screw Length L	D	H
ATN10 / ATN12.7 /ATN10K6/ ATN12.7K6	M4x8	8 (mm)	7.0	2.8
	M4x12	12 (mm)	7.0	2.8
	M4x16	16 (mm)	7.0	2.8
ATN20 / ATNS20	M5x12	12 (mm)	8.5	3.5
	M5x16	16 (mm)	8.5	3.5
	M5x20	20 (mm)	8.5	3.5

Screw types:

Cheese head screws according to DIN 7984 (VA, material number 1.4301) with hexagon socket and pressed head.

Belt Type	Screw type	Screw Length L	D	H
ATN10 / ATN12.7 /ATN10K6 / ATN12.7K6	VA M4x8	8 (mm)	7.0	2.8
	VA M4x12	12 (mm)	7.0	2.8
	VA M4x16	16 (mm)	7.0	2.8
ATN20 / ATNS20	VA M5x12	12 (mm)	8.5	3.5
	VA M5x16	16 (mm)	8.5	3.5
	VA M5x20	20 (mm)	8.5	3.5

Attention: These screws are exclusively designed for the application in Brass and VA inset parts. They are not self threading and insufficient for plastic inset parts.

Recommended maximum screw-in torques for the connection			
		Flight Material	
Inset part	Belt type	Polyamide	Metal
Brass/VA	ATN10 / 12.7	100 (N_{cm})	100 (N_{cm})
	ATN20	150 (N_{cm})m	150 (N_{cm})

Ordering example:

Inset parts made of Brass or VA:
ET-MS-ATN10 / 12.7 or ET-VA-ATN10 /12.7 inset parts made of brass for ATN timing belts with the pitch 10 and 12.7 in design "DC": ET-MS-ATN10 / 12.7 DC

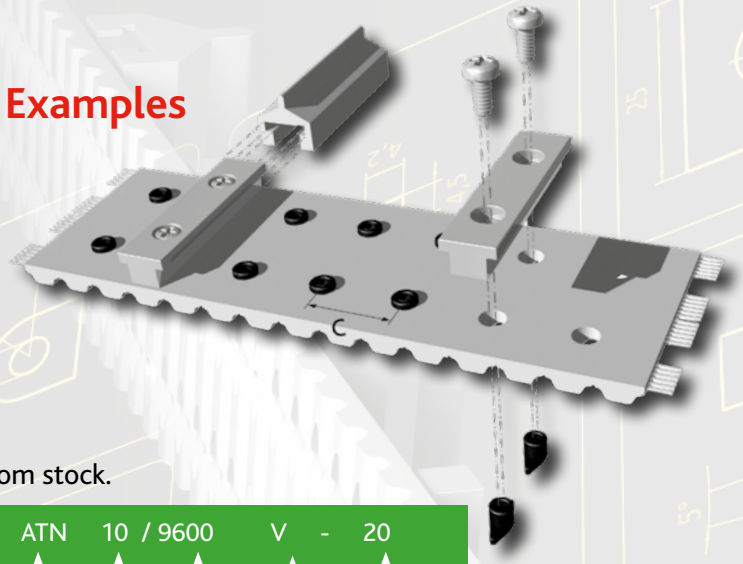
Ordering example:

Cheese head screw: ATN20 screws M5x16
Cheese head screw (VA): ATN20/12.7 VA screws M4x12



See **Profiled, Special & Mechanically Reworked Belts – Page 292**

ATN Series Timing Belt Order Examples



Three standard examples

BRECO® V ATN10 joined conveyor belting from stock.

50	ATN	10	/ 9600	V	-	20
Width (mm)						
Toothform						
Tooth pitch (mm)						
Belt length (mm)						
Welded						
Spacing (C)						

BRECO® V ATN20 joined conveyor belting from stock.

75	ATN	20	/	8000	V	- 80	- PAZ
Width (mm)							
Toothform							
Tooth pitch (mm)							
Belt length (mm)							
Welded							
Spacing (C)							
Nylon tooth spacing							

BRECO® V ATN12.7 joined conveyor belting from stock.

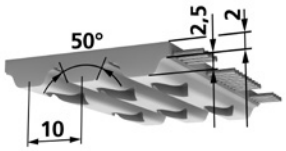
75	ATN	12.7	/	7620	V	50.8	- TPUFD1
Width (mm)							
Toothform							
Tooth pitch (mm)							
Belt length (mm)							
Welded							
Spacing (C)							
Belt material							

For other options, backings, cord types, flighted belts, self tracking, etc. contact sales@transdev.co.uk.

ATN10 and ATN10 DC BRECO® Transport

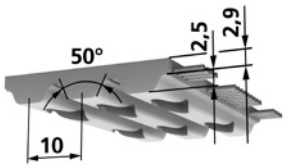
Polyurethane, Steel reinforced, extruded open length & joined - High Power AT Profile in metric pitch with trapezoidal tooth form.

Standard



ATN10

Standard



ATN10 DC

BRECO® timing belts ATN10 and ATN10 DC

- Polyurethane, Steel reinforced, modular flight system belting
- High Power AT Profile in metric pitch with trapezoidal toothform
- ATN belting is extruded on a form wheel with insert holes on every tooth spacing

Available types for ATN10 and ATN10 DC:

- Single sided
- Nylon tooth facing (PAZ)
- Nylon back facing (PAR)
- Nylon both sides (PAZ/PAR)
- Special Polyurethanes upon request (see below)
- Antistatic, coloured belts
- Mechanical joint

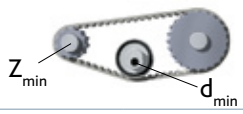
Allowable tensile load by belt width

BRECO ATN10/ATN10 DC (M/V)	Tension cord strengths F/Specific elasticities/Belts weights			
Belt width (mm)	25	50	75	100
(M) Steel cord tension member F (N)	3000	6000	9000	12000
(V) Steel cord tension member F (N)	1000	2000	3000	4000
ATN10 (kg/m)	0,120	0,240	0,360	0,480
Belt weight ATN 10 DC (kg/m) weight without inserts, screws or profiles	-	0,300	0,450	0,600

Belt width	25	50	75	100
No. of insert holes per tooth	1	2	3	4
Insert hole pitch spacing	-	25	25	25
Minimum belt length	880mm			

Drive Type A

Type A	ATN10
Z_{min}	25
d_{min}	80



Z_{min} = Minimum number of teeth.

d_{min} = Minimum diameter (mm)

ATN10/ATN10 DC (M/V)	Available lengths and versions
Standard delivery lengths (M)	Rolls of 50 or 100m
Cuts/Lengths > 110m	On request
Endless joined, minimum length (V)	880mm
Standard material	TPUST1
Steel cord tension member (standard)	x
VA tension member	o
PAZ (white)	x
PAR (green)	x
PAR-PAR (white/green)	x

X Available o Minimum purchase amount on request

Material	TPUST1	TPUKF1**	TPUFDA1*
Applications	Standard use	Flexible at low temperatures	Contact with food stuffs
Properties	-	-25 to +5°C	FDA approved

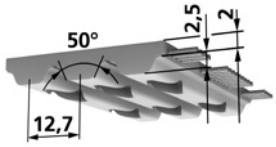
Inserts			
Material	Plastic	Brass	Stainless Steel
Type	Nylon	MS 58 F36	To DIN 7500
Application	Small loads	Medium and high loads Low temperature Higher dynamic loads	Medium and high loads Normal temperature Higher dynamic loads Corrosion resistance

* With Stainless Steel tension members ** On request, minimum quantities may apply

ATN12.7 and ATN12.7 DC BRECO® Transport

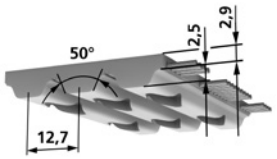
Polyurethane, Steel reinforced, extruded open length & joined, classic imperial pitch with trapezoidal tooth form.

Standard



ATN12.7

Standard



ATN12.7 DC

BRECO® timing belts ATN12.7 and ATN12.7 DC

- Polyurethane, Steel reinforced, modular flight system belting
- High Power AT Profile in metric pitch with trapezoidal toothform
- ATN belting is extruded on a form wheel with insert holes on every tooth spacing.

Available types for ATN12.7 and ATN12.7 DC:

- Single sided
- Nylon tooth facing (PAZ)
- Nylon back facing (PAR)
- Nylon both sides (PAZ/PAR)
- Special Polyurethanes upon request (see below)
- Antistatic, coloured belts
- Mechanical joint

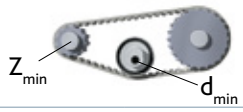
Allowable tensile load by belt width

BRECO ATN12.7/ATN12.7 DC (M/V)	Tension cord strengths F/Specific elasticities/Belts weights			
Belt width (mm)	25	50	75	100
(M) Steel cord tension member F (N)	3000	6000	9000	12000
(V) Steel cord tension member F (N)	1000	2000	3000	4000
ATN12.7 (kg/m)	0,111	0,222	0,333	0,444
Belt weight ATN12.7 DC (kg/m)	-	0,282	0,423	0,564

Belt width	25	50	75	100
No. of insert holes per tooth	1	2	3	4
Insert hole pitch spacing		25	25	25
Minimum belt length	880mm			

Drive Type A

Type A	ATN12.7
Z_{min}	20
d_{min}	80



Z_{min} = Minimum number of teeth.

d_{min} = Minimum diameter (mm)

ATN12.7/ATN12.7 DC (M/V)	Available lengths & versions
Standard delivery lengths (M)	Rolls of 50 or 100m
Cuts/Lengths > 110m	On request
Endless joined, minimum length (V)	880mm
Standard material	TPUST1
Steel cord tension member (standard)	x
VA tension member	o
PAZ (white)	x
PAR (green)	x
PAR-PAR (white/green)	x

X Available o Minimum purchase amount on request

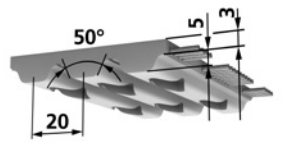
Material	TPUST1	TPUKF1**	TPUFDA1*
Applications	Standard use	Flexible at low temperatures	Contact with food stuffs
Properties	-	-25 to +5°C	FDA approved

Inserts			
Material	Plastic	Brass	Stainless Steel
Type	Nylon	MS 58 F36	To DIN 7500
Application	Small loads	Medium and high loads Low temperature Higher dynamic loads	Medium and high loads Normal temperature Higher dynamic loads Corrosion resistance

* With Stainless Steel tension members ** On request, minimum quantities may apply

ATN20 BRECO® Transport

Polyurethane, Steel reinforced, extruded open length & joined - High Power AT Profile in metric pitch with trapezoidal tooth form.

Standard

ATN20

BRECO® timing belts ATN20

- Polyurethane, Steel reinforced, modular flight system belting
- High Power AT Profile in metric pitch with trapezoidal toothform
- ATN belting is extruded on a form wheel with insert holes on every tooth spacing.

Available types for ATN20:

- Single sided
- Nylon tooth facing (PAZ)
- Nylon back facing (PAR)
- Nylon both sides (PAZ/PAR)
- Special Polyurethanes upon request (see below)
- Antistatic, coloured belts
- Mechanical joint

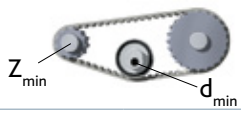
Allowable tensile load by belt width

BRECO ATN20 (M/V)	Tension cord strengths F /Specific elasticities/ Belts weights		
Belt width (mm)	50	75	100
(M) Steel cord tension member ATN20 F (N)	8000	12000	16000
(V) Steel cord tension member ATN20 F (N)	2700	4000	5400
Belt weight ATN20 (kg/m)	0,403	0,604	0,806

Belt width	50	75	100
No. of insert holes per tooth	2	3	4
Insert hole pitch spacing	25	25	25
Minimum belt length	1000mm		

Drive Type A

Type A	ATN20
Z_{min}	20
d_{min}	125



Z_{min} = Minimum number of teeth.

d_{min} = Minimum diameter (mm)

ATN20/(M/V)	Available lengths and versions
Standard delivery lengths (M)	Rolls of 50 or 100m
Cuts/Lengths > 110m	On request
Endless joined, minimum length (V)	1,000mm
Standard material	TPUST1
Steel cord tension member (standard)	x
VA tension member	o
PAZ (white)	x
PAR (green)	x
PAR-PAR (white/green)	x

X Available o Minimum purchase amount on request

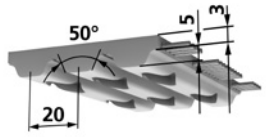
Material	TPUST1	TPUKF1**	TPUFDA1*
Applications	Standard use	Flexible at low temperatures	Contact with food stuffs
Properties	-	-25 to +5°C	FDA approved

Inserts			
Material	Plastic	Brass	Stainless Steel
Type	Nylon	MS 58 F36	To DIN 7500
Application	Small loads	Medium and high loads Low temperature Higher dynamic loads	Medium and high loads Normal temperature Higher dynamic loads Corrosion resistance

* With Stainless Steel tension members ** On request, minimum quantities may apply

ATNS20 BRECO® Transport

Polyurethane, Steel reinforced, extruded open length & joined - High Power AT Profile in metric pitch with trapezoidal tooth form.

Standard

ATNS20

BRECO® timing belts ATNS20

- Polyurethane, Steel reinforced, modular flight system belting
- High Power AT Profile in metric pitch with trapezoidal toothform
- ATN belting is extruded on a form wheel with insert holes on every tooth spacing.

Available types for ATNS20:

- Single sided
- Nylon tooth facing (PAZ)
- Nylon back facing (PAR)
- Nylon both sides (PAZ/PAR)
- Special Polyurethanes upon request (see below)
- Antistatic, coloured belts
- Mechanical joint

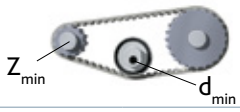
Allowable tensile load by belt width

BRECO/ATNS20 (M/V)	Tension cord strengths F/Specific elasticities/Belts weights	
Belt width (mm)	50	75
(M) Steel cord tension member F (N)	11200	19600
(V) Steel cord tension member F (N)	2700	4000
Belt weight ATNS20 (kg/m)	0,433	0,717

Belt width	50	75
No. of insert holes per tooth	2	2
Insert hole pitch spacing	32	32
Minimum belt length	1000mm	

Drive Type A

Type A	ATNS20
Z_{min}	25
d_{min}	160



Z_{min} = Minimum number of teeth.

d_{min} = Minimum diameter (mm)

ATNS20 (M/V)	Available lengths & versions
Standard delivery lengths (M)	Rolls of 50m
Cuts/Lengths > 50m	On request
Endless joined, minimum length (V)	1,000mm
Standard material	TPUST1
Steel cord tension member (standard)	x
VA tension member	o
PAZ (white)	x
PAR (green)	x
PAR-PAR (white/green)	x

X Available o Minimum purchase amount on request

Material	TPUST1	TPUKF1**	TPUFDA1*
Applications	Standard use	Flexible at low temperatures	Contact with food stuffs
Properties	-	-25 to +5°C	FDA approved

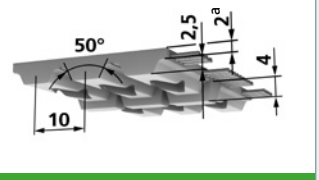
Inserts			
Material	Plastic	Brass	Stainless Steel
Type	Nylon	MS 58 F36	To DIN 7500
Application	Small loads	Medium and high loads Low temperature Higher dynamic loads	Medium and high loads Normal temperature Higher dynamic loads Corrosion resistance

* With Stainless Steel tension members ** On request, minimum quantities may apply

ATN10-K6 BRECO® Transport

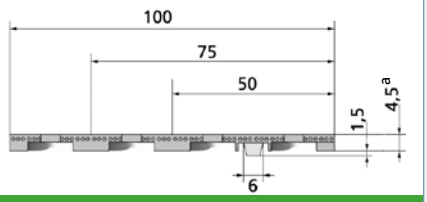
Polyurethane, Steel reinforced, extruded open length & joined - High Power AT Profile in metric pitch with trapezoidal tooth form.

Standard



ATN10-K6 (symmetrical)

Standard



ATN10-K6 (asymmetrical)

[a] ATN10-K6 DC Measurements within drawing are increased by 0.9mm where indicated

BRECO® timing belts ATN10-K6

- Polyurethane, Steel reinforced, modular flight system belting
- High Power AT Profile in metric pitch with trapezoidal toothform
- ATN belting is extruded on a form wheel with insert holes on every tooth spacing.

Available types for ATN10-K6:

- Single sided
- Nylon tooth facing (PAZ)
- Nylon back facing (PAR)
- Nylon both sides (PAZ/PAR)
- Special Polyurethanes upon request (see below)
- Antistatic, coloured belts
- Mechanical joint

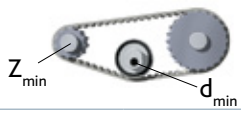
Allowable tensile load by belt width

BRECO ATN10-K6 /ATN10-K6 DC (M/V)	Tension cord strengths F/Specific elasticities/Belts weights		
Belt width (mm)	50	75	100
(M) Steel cord tension member F (N)	6000	9000	12000
(V) Steel cord tension member F (N)	2000	3000	4000
Belt weight ATN10-K6 (kg/m)	0,245	0,367	0,490
Belt weight ATN10-K6 DC (kg/m) weight without inserts, screws or profiles	0,305	0,457	0,610

Belt width	50	75	100
No. of insert holes per tooth	2	3	4
Insert hole pitch spacing	25	25	25
V Guide position	Symmetrical	Asymmetrical	
Minimum belt length	880mm		

Drive Type A

Type A	ATN10-K6
Z_{min}	25
d_{min}	80



Z_{min} = Minimum number of teeth.

d_{min} = Minimum diameter (mm)

ATN10-K6/ATN10-K6 DC (M/V)	Available lengths & versions
Standard delivery lengths (M)	Rolls of 50 or 100m
Cuts/Lengths > 110m	On request
Endless joined, minimum length (V)	880mm
Standard material	TPUST1
Steel cord tension member (standard)	x
VA tension member	o
PAZ (white)	x
PAR (green)	x
PAR-PAR (white/green)	x

X Available o Minimum purchase amount on request

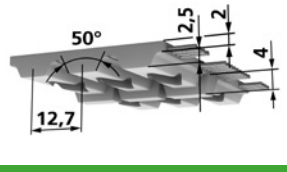
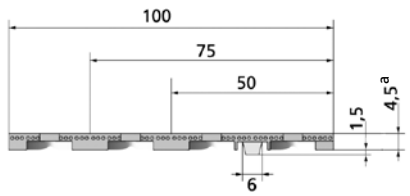
Material	TPUST1	TPUKF1**	TPUFDA1*
Applications	Standard use	Flexible at low temperatures	Contact with food stuffs
Properties	-	-25 to +5°C	FDA approved

Inserts			
Material	Plastic	Brass	Stainless Steel
Type	Nylon	MS 58 F 36	To DIN 7500
Application	Small loads Normal temperature Low dynamic loads	Medium and high loads Low temperature Higher dynamic loads	Medium and high loads Normal temperature Higher dynamic loads Corrosion resistance

* With Stainless Steel tension members ** On request, minimum quantities may apply

ATN12.7-K6 BRECO® Transport

Polyurethane, Steel reinforced, extruded open length & joined, classic imperial pitch with trapezoidal tooth form.

Standard	Standard
	
ATN12.7-K6 (symmetrical)	ATN12.7-K6 (asymmetrical)

[a] ATN12.7-K6 DC Measurements within drawing are increased by 0.9mm where indicated

BRECO® timing belts ATN12.7-K6

- Polyurethane, Steel reinforced, modular flight system belting
- High Power AT Profile in metric pitch with trapezoidal toothform
- ATN belting is extruded on a form wheel with insert holes on every tooth spacing.

Available types for ATN12.7-K6:

- Single sided
- Nylon tooth facing (PAZ)
- Nylon back facing (PAR)
- Nylon both sides (PAZ/PAR)
- Special Polyurethanes upon request (see below)
- Antistatic, coloured belts
- Mechanical joint

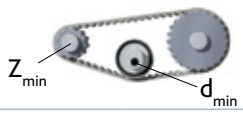
Allowable tensile load by belt width

BRECO ATN12.7-K6 /ATN12.7-K6 DC (M/V)	Tension cord strengths F/Specific elasticities/Belts weights		
Belt width (mm)	50	75	100
(M) Steel cord tension member F (N)	6000	9000	12000
(V) Steel cord tension member F (N)	2000	3000	4000
Belt weight ATN12.7 (kg/m)	0,226	0,340	0,453
Belt weight ATN12.7 DC (kg/m)	0,286	0,430	0,573

Belt width	50	75	100
No. of insert holes per tooth	2	3	4
Insert hole pitch spacing	25	25	25
V Guide position	Symmetrical	Asymmetrical	
Minimum belt length	880mm		

Drive Type A

Type A	ATN12.7-K6
Z_{min}	20
d_{min}	80



Z_{min} = Minimum number of teeth.

d_{min} = Minimum diameter (mm)

ATN12.7-K6/ATN12.7-K6 DC (M/V)	Available lengths & versions
Standard delivery lengths (M)	Rolls of 50 or 100m
Cuts/Lengths > 110m	On request
Endless joined, minimum length (V)	880mm
Standard material	TPUST1
Steel cord tension member (standard)	x
VA tension member	o
PAZ (white)	x
PAR (green)	x
PAR-PAR (white/green)	x

X Available o Minimum purchase amount on request

Material	TPUST1	TPUKF1**	TPUFDA1*
Applications	Standard use	Flexible at low temperatures	Contact with food stuffs
Properties	-	-25°C to +5°C	FDA approved

Inserts			
Type	Plastic	Brass	Stainless Steel
Material	Nylon	MS 58 F36	To DIN 7500
Application	Small loads	Medium and high loads Low temperature Higher dynamic loads	Medium and high loads Normal temperature Higher dynamic loads Corrosion resistance

* With Stainless Steel tension members ** On request, minimum quantities may apply

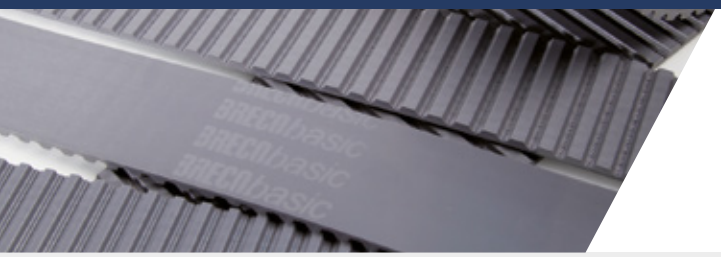
24hr Breakdown available Customisable product Product code builder Compatible product

BRECO® TIMING BELTS

BRECO*basic*® Timing Belts



- SYNCHRONOUS RUNNING
- LOW NOISE
- EFFICIENCY - MAX 98%
- TEMPERATURE RANGE INCREASED TO 80 °C
- RUNS ON STANDARD AND SELF TRACKING PULLEYS



BRECO BASIC® TIMING BELTS

The inexpensive alternative for simple applications that require less than the full potential strength of standard-type BRECO® timing belts.

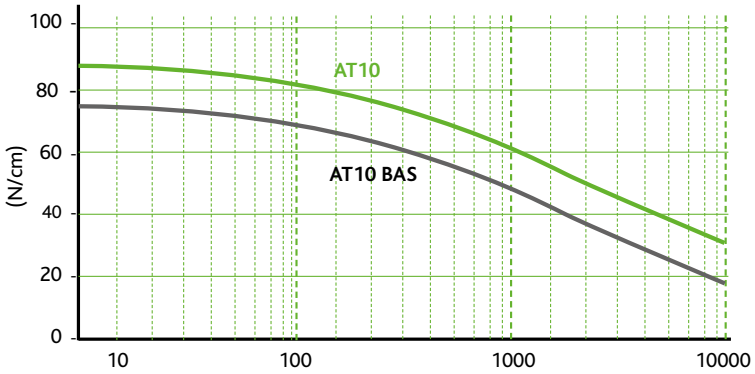
BRECO*basic*® Timing Belts

The BRECO*basic*® brand is an inexpensive alternative for simple applications that require less than the full potential strength of standard-type BRECO® timing belts. The range is designed for applications that do not come with special demands e.g. relating to restricted tolerances; particular durability/resilience requirements or further processing options for the timing belts.

BRECObasic® timing belts are produced exclusively as a by-the-metre product and can be welded to form endless belts if required.

Like all other BRECO products, the BRECO*basic*® range stands for quality and reliability of operation.

Comparison of specific forces acting on the teeth – AT10 BAS and AT10



BRECObasic® offers a tooth shear strength that is comparable to most commercially available timing belts. By contrast, the tooth shear strength of a standard BRECO® timing belt is around 20% higher, including in comparison to BRECObasic® belts.

Comparison of supply options	BRECO*basic*® (M/V) (AT10 BAS, T10 BAS, TK10K13 BAS)	BRECO® (M/V) (AT10, T10, TK10K13)
Special materials (Polyurethane)	No	Yes
Special materials (tension member)	No	Yes
Special widths	No	Yes
Reduced longitudinal/lateral tolerance	No	Yes
Mechanical belt processing	No	Yes
Coating materials	Restrictions to the choice of coatings due to the particular production process	No restrictions
Standard colour	Anthracite	White
Colouring options	No	Yes
Individual labelling	No	Yes

Ordering examples

BRECO*basic*® 100 AT104 BAS 50000 M

- 100 – Width b
- AT104 BAS – Type/pitch
- 50000 – Length in mm
- M – By-the-metre product

BRECO*basic*® 96 T103 BAS 4000 V

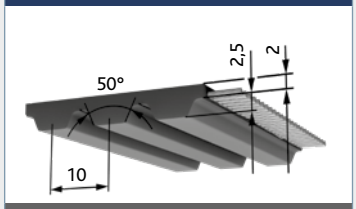
- 96 – Width b
- T103 BAS – Type/pitch
- 4000 – Length in mm
- V – Joined

AT10 BRECO*basic*® Open Length (M)/Joined (V)

BRECO TIMING BELTS

Polyurethane, Steel reinforced, extruded open length & joined - High Power AT Profile in metric pitch with trapezoidal tooth form.

BRECO*basic*®



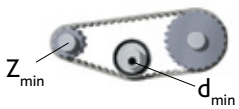
AT10 BAS

Belt widths b (mm)	AT10 R3 BAS			AT10 R4 BAS		
Production widths (mm)	96			100		
Possible cutting widths (mm)	16	32	64	25	50	75

AT10 BAS (M/V)	Available lengths & versions	
Standard delivery lengths (M)	50 or 100m - roll	
Belt colour	Anthracite	
Minimum length joined (V)	880mm	Request minimum order value
PAZ	Available	

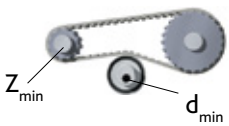
Drive Type A

Type A	M	V
Z_{min}	15	15
d_{min}	50	50



Drive Type B

Type B	M	V
Z_{min}	25	25
d_{min}	120	120



Z_{min} = Minimum number of teeth. d_{min} = Minimum diameter (mm)

BRECO® AT10 BAS (M/V) – Specific tooth force					
RPM n (min^{-1})	F_{tspez} (N/cm)	RPM n (min^{-1})	F_{tspez} (N/cm)	RPM n (min^{-1})	F_{tspez} (N/cm)
0	73,50	1200	47,20	3600	31,90
20	72,40	1300	46,20	3800	31,10
40	71,40	1400	45,20	4000	30,30
60	70,50	1500	44,30	4500	28,50
80	69,60	1600	43,40	5000	26,90
100	68,70	1700	42,60	5500	25,50
200	65,00	1800	41,80	6000	24,20
300	62,10	1900	41,00	6500	23,00
400	59,50	2000	40,30	7000	21,80
500	57,40	2200	39,00	7500	20,80
600	55,50	2400	37,80	8000	19,77
700	53,70	2600	36,60	8500	18,84
800	52,20	2800	35,50	9000	17,95
900	50,80	3000	34,50	9500	17,12
1000	49,50	3200	33,60	10000	16,32
1100	48,30	3400	32,70		

Technical Specification

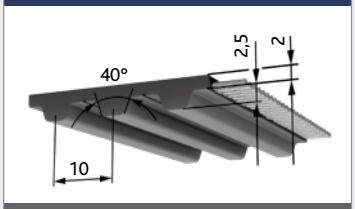
AT10 BAS (M/V)		Admissible tension cord strength FT_{adm}/Specific elasticity/Belt weight							
Belt width		b (mm)	16	25	32	50	64	75	96	100
M	Basic tension member	F_{Tzul} (N)	2750	4250	5500	8500	11000	12750	16500	17000
	Specific elasticity	C_{spez} (N)	$0{,}69 \cdot 10^6$	$1{,}06 \cdot 10^6$	$1{,}37 \cdot 10^6$	$2{,}12 \cdot 10^6$	$2{,}72 \cdot 10^6$	$3{,}18 \cdot 10^6$	$4{,}08 \cdot 10^6$	$4{,}25 \cdot 10^6$
V	Basic tension member	F_{Tzul} (N)	1375	2125	2750	4250	5500	6375	8250	8500
Belt weight		kg/m	0,093	0,158	0,186	0,290	0,372	0,436	0,558	0,581

T10 BRECO*basic*® Open Length (M)/Joined (V)

24 (138) 353

Polyurethane, Steel reinforced, extruded open length & joined, standard T Profile to DIN 7721 in metric pitch with trapezoidal toothform.

BRECO*basic*®



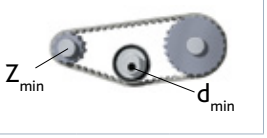
T10 BAS

Belt widths b (mm)	T10 R3 BAS			T10 R4 BAS		
Production widths (mm)	96			100		
Possible cutting widths (mm)	16	32	64	25	50	75

T10 BAS (M/V)	Available lengths and versions	
Standard delivery lengths (M)	50 or 100m - roll	
Belt colour	Anthracite	
Minimum length joined (V)	880mm	Request minimum order value
PAZ	Available	

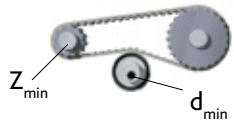
Drive Type A

Type A	M	V
Z_{min}	12	12
d_{min}	60	60



Drive Type B

Type B	M	V
Z_{min}	20	20
d_{min}	60	60



Z_{min} = Minimum number of teeth. d_{min} = Minimum diameter (mm)

BRECO® T10 BAS (M/V) – Specific tooth force					
RPM n (min^{-1})	F_{tspez} (N/cm)	RPM n (min^{-1})	F_{tspez} (N/cm)	RPM n (min^{-1})	F_{tspez} (N/cm)
0	50,50	1200	29,30	3600	20,70
20	49,00	1300	28,70	3800	20,30
40	47,70	1400	28,20	4000	19,86
60	46,60	1500	27,60	4500	18,91
80	45,70	1600	27,10	5000	18,06
100	44,80	1700	26,70	5500	17,28
200	41,40	1800	26,20	6000	16,58
300	39,10	1900	25,80	6500	15,93
400	37,20	2000	25,40	7000	15,33
500	35,70	2200	24,60	7500	14,76
600	34,40	2400	23,90	8000	14,24
700	33,30	2600	23,30	8500	13,74
800	32,40	2800	22,70	9000	13,28
900	31,50	3000	22,20	9500	12,84
1000	30,70	3200	21,70	10000	12,42
1100	30,00	3400	21,20		

Technical Specification

T10 BAS (M/V)		Admissible tension cord strength FT_{adm}/Specific elasticity/Belt weight							
Belt width		b (mm)	16	25	32	50	64	75	96	100
M	Basic tension member	F_{Tzul} (N)	1400	2200	2800	4400	5600	6600	8400	8800
	Specific elasticity	C_{spez} (N)	$3,5{\cdot}10^5$	$5,5{\cdot}10^5$	$7,0{\cdot}10^5$	$11,0{\cdot}10^5$	$14,1{\cdot}10^5$	$16,5{\cdot}10^5$	$21,1{\cdot}10^5$	$22,0{\cdot}10^5$
V	Basic tension member	F_{Tzul}(N)	700	1100	1400	2200	2800	3300	4200	4400
Belt weight		kg/m	0,073	0,114	0,145	0,227	0,290	0,341	0,435	0,454

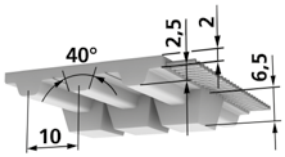
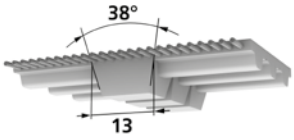
24 24hr Breakdown available
Customisable product
XX Product code builder
XX Compatible product

TK10K13 BAS BRECO*basic*® Open Length (M)/Joined (V)

BRECO TIMING BELTS

138 330

Polyurethane, Steel reinforced, extruded open length & joined - T Profile in metric pitch with trapezoidal toothform, self-tracking.

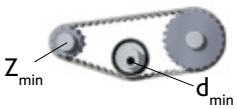
BRECO*basic*®	BRECO*basic*®
	
TK10K13 BAS	TK10K13 BAS

Belt widths b (mm)	TK10K13 BAS		
Production widths (mm)	32	50	100

TK10K13 BAS (M/V)	Available lengths and versions	
Standard delivery lengths (M)	50 or 100m - roll	
Belt colour	Anthracite	
Minimum length joined (V)	1000mm	Request minimum order value
PAZ	Available	

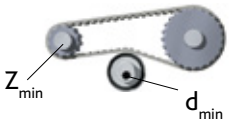
Drive Type A

Type A	M	V
Z_{min}	25	25
d_{min}	80	80



Drive Type B

Type B	M	V
Z_{min}	25	25
d_{min}	80	80



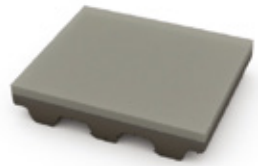
Z_{min} = Minimum number of teeth. d_{min} = Minimum diameter (mm)

Technical Specification

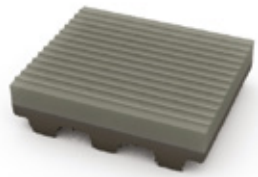
T10 BAS (M/V)		Admissible tension cord strength FT_{adm}/Specific elasticity/Belt weight			
Belt width		b (mm)	32	50	100
M	Basic tension member	F_{Tzul} (N)	2600	4200	8600
	Specific elasticity	C_{spez} (N)	$7.0 \cdot 10^5$	$11.0 \cdot 10^5$	$22.0 \cdot 10^5$
V	Basic tension member	F_{Tzul} (N)	1300	2100	4300
Belt weight		kg/m	0.282	0.407	0.735



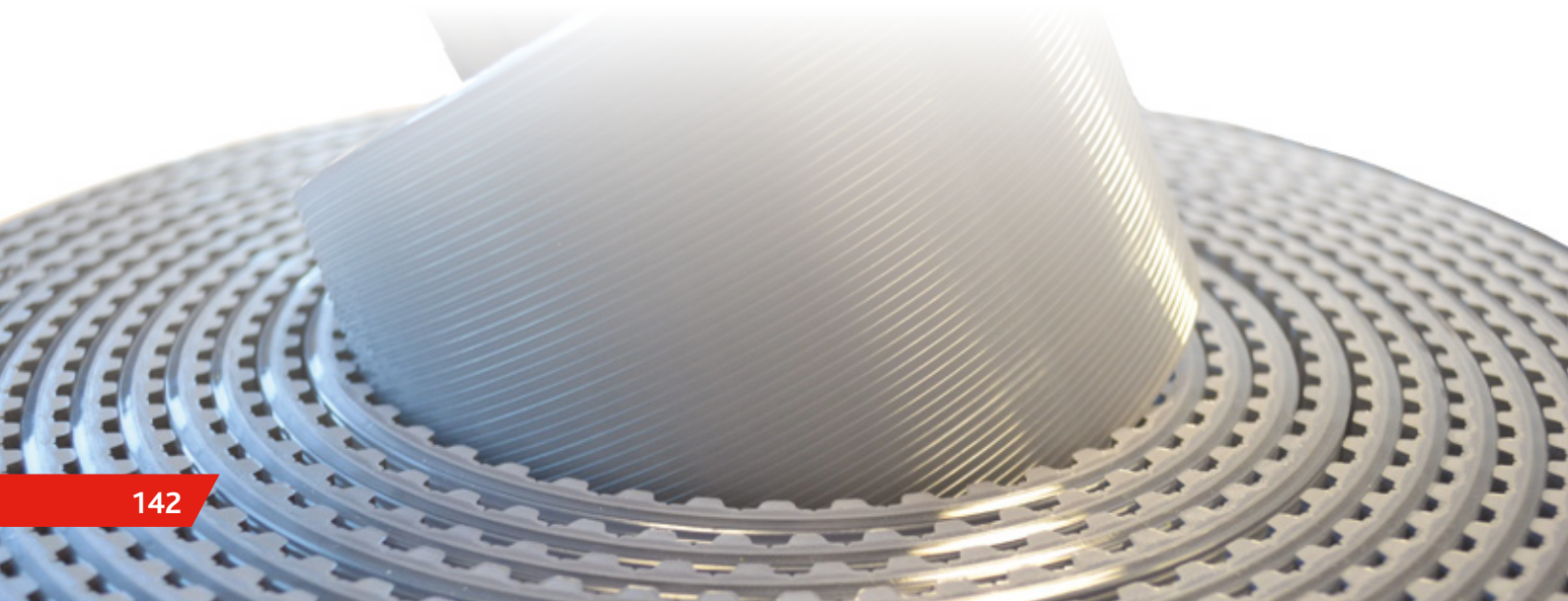
Coatings for BRECO*basic*® Timing Belts

BRECO*basic*® Coating

T version (Ausf. T)

Properties	
Colour	Transparent
Standard thickness	2mm
Min. pulley diameter (mm)	80
Material /Hardness	Polyurethane/approx. 85 Shore A
Tolerances	±0,25mm
Temperature resistance	-20°C to +80°C
Chemical resistance	Resistant to simple oils and grease, petrol, ozone
Potential applications	General transport tasks (glass, metal panels, mechanically aggressive parts)

BRECO*basic*® coating

T-groove (TR1)

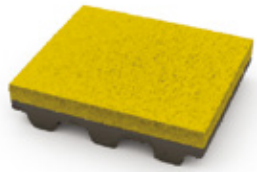
Properties	
Colour	Transparent
Standard thickness	2.4mm, groove depth: 0.5mm
Min. pulley diameter (mm)	80
Material /Hardness	Polyurethane/approx. 70 Shore A
Tolerances	±0,25mm
Temperature resistance	-20°C to +80°C
Chemical resistance	Resistant to simple oils and grease, petrol, ozone
Potential applications	General transport tasks in wet areas (water, oil)



Coatings for BRECO*basic*® Timing Belts

Properties	
Colour	Yellow
Standard thickness	2mm
Min. pulley diameter (mm)	60
Material/Hardness	Polyurethane foam/Approx. 55 Shore A
Tolerances	±0,25mm
Temperature resistance	-10°C to +70°C
Chemical resistance	Resistant to simple oils and grease, not water-resistant
Potential applications	Feed and discharge lines on weighing units, vacuum transport conveyors, paper/textile/glass/wood industry

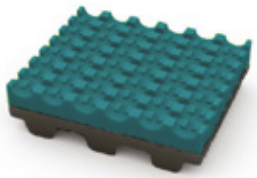
BRECO*basic*® coating



PU-yellow basic (PU-foam)

Properties	
Colour	Blue-green
Standard thickness	4,5
Min. pulley diameter (mm)	60
Material/Hardness	PVC, approx. 45 Shore A
Tolerances	±0,3mm
Temperature resistance	-5°C to +70°C
Chemical resistance	Limited resistance to solvents, oils and grease, resistant to acids and alkaline solutions, with the exception of very potent oxidants (such as concentrated sulphuric acid and nitric acid)
Potential applications	Inclined conveyance, elevating conveyors, glass industry

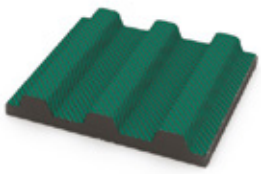
BRECO*basic*® coating



Supergrip basic

Properties	
Colour	Green
Standard thickness	0,5
Material/hardness	Polyamide
Tolerances	± 0,2mm
Temperature resistance	-20°C to +50°C
Chemical resistance	Resistant to simple oils and grease
Potential applications	Reduced friction, e.g. when using supporting rails or guide rails

BRECO*basic*® coating



PAZ

SYNCHROFLEX®
SYNCHROFLEX® GEN III

Continental

CONTI® SYNCHROFLEX GEN III

TOUGHER & STRONGER
LEADERS KEEP ON LEADING

The SYNCHROFLEX® range of belts has set a high quality benchmark for PU belts for over 50 years.

Performance

- High flank load capacity
- Low elastic elongation
- Close tolerance timing ensures optimum mesh in all power ranges
- Complies with DIN 7721*

Construction

- Wear resistant Contilan carcass
- High grade endless steel wire tension member
- Excellent bond between carcass and tension members

Each generation is different. GEN III is better!

- 25% increase in power transmission
- Bifilar, high tensile steel cord tension members
- Higher packing density
- Wear resistant polyurethane
- Dimensionally stable
- Extremely durable
- Supports standard AT/ATP pulleys
- Utilise larger number of load-carrying teeth



Pre-defined lengths available ex stock

For SYNCHROFLEX® see page 20

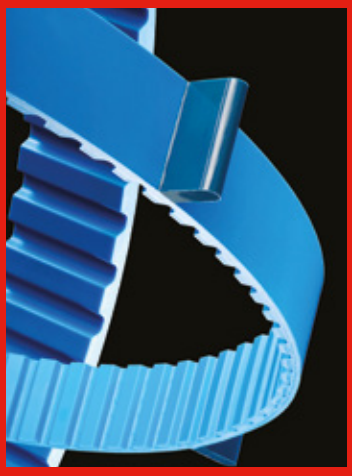
BELTS PULLEYS CHAIN SPROCKETS GEARS BEARINGS LINEAR HARDWARE PLASTICS

TransDev®
THE POWER IN MOTION

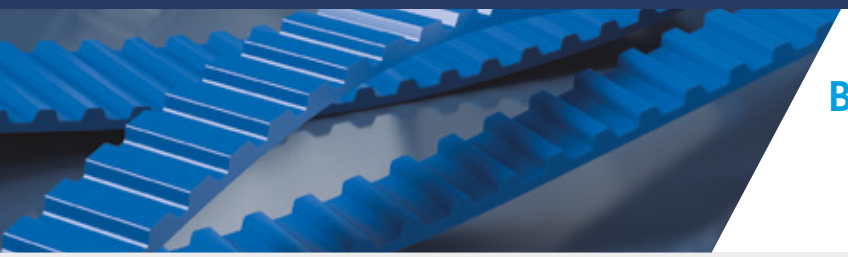
* except AT series

BRECO TIMING BELTS

BRECO*protect*® Timing Belts



- EC AND FDA COMPLIANT PU MATERIAL
- FOOD INDUSTRY BLUE
- DIRECT FOOD CONTACT
- TEMPERATURE RANGE 0 TO +50 °C
- SUITABLE FOR MOIST ENVIRONMENTS



BRECO*protect*®

STRONG, HYGENIC, AND BLUE PROTECTION FROM BRECO®

BRECOprotect® timing belts are designed to meet the strict requirements associated with contact with food and the cleaning processes necessary in these areas.



The BRECO*protect*® range has been extended to include AT5, AT20, T20 and F3 belts type

The BRECO*protect*® product line

The new BRECOprotect® product line offers timing belts with Steel tension carriers completely embedded in Polyurethane for protection against corrosion. The choice of material for the timing belts complies with FDA regulations and the blue colour is consistent with current requirements in the food processing industry.



The Polyurethane used is compliant with the conformity criteria of the FDA Code of Federal Regulations, section 177.1680, the European Regulation (EC) 1935-2004, Regulation (EU) no. 10/2011 and European Commission Directives 90/128/EEC and 96/11/EC.

MANUFACTURED TO FDA STANDARDS

Visit transdev.co.uk to download a brochure

24hr Breakdown available | Customisable product | Product code builder | Compatible product

The first choice for food

- The perfect choice for strict requirements associated with food
- Groove-free design guarantees easy cleaning
- Corrosion-protection for the steel carriers
- Available by the metre or as continuous, welded products
- Suitable for use in moist environments
- A different kind of belt with a colour scheme in-line with current food industry trends

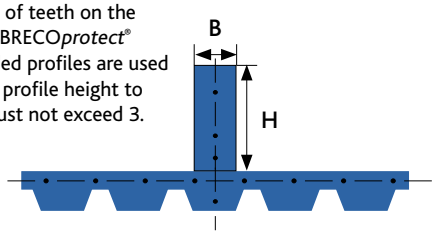
Notes on use

BRECO*protect*® timing belts are designed especially to meet the strict requirements associated with contact with food and the cleaning processes necessary in these areas. The fact that these timing belts do not feature a groove prevents hidden and difficult-to-remove contamination and thus makes the cleaning process easier. The blue colour of the BRECO*protect*® product range follows a general market trend towards a special food industry colour scheme. In addition, BRECO*protect*® timing belts are suitable for use in moist environments, where there are severe limitations on the use of conventional timing belts on account of the appearance of hydrolysis.

Welded profiles

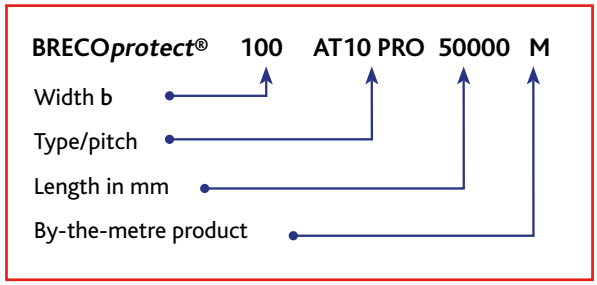
BRECO*protect*® timing belts are offered as a by-the-metre product and in welded "endless" format. There is unlikely to be any need for additional mechanical work on the polyurethane belt body due to the protection for the tension carrier. Belt designs with welded profiles are possible in principle. However, the potential profile sizes and their loads are limited, while TPUAU1 is a mandatory material and the colour blue is again recommended.

The minimum number of teeth on the toothed pulleys when BRECO*protect*® timing belts with welded profiles are used is z_{min}=20. The ratio of profile height to width (h/width (b)) must not exceed 3.

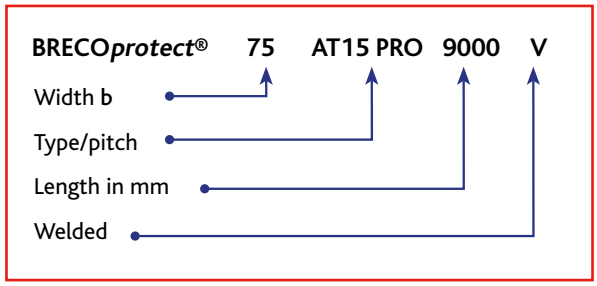


Ordering examples

Open length



Joined

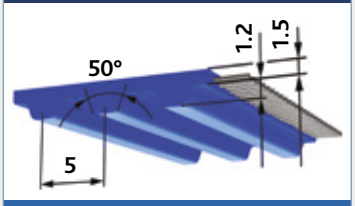


AT5 PRO BRECO*protect*® Open Length (M)/Joined (V)

147 335

Polyurethane, Steel reinforced, extruded open length & joined - High Power AT Profile in metric pitch with trapezoidal tooth form.

BRECO*protect*®



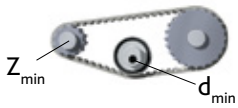
AT5 PRO

Belt widths b (mm)			
25	50	75	100

AT5 PRO (M/V)	Available lengths and versions
Standard delivery lengths (M)	50 or 100m - roll
Cut to lengths/lengths > 100m	On request
Minimum length joined (V)	1100mm
Standard material	TPUAU1
Belt colour	Blue
Belt widths	Only belt widths listed in the table available

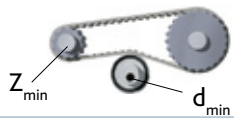
Drive Type A

Type A	M	V
Z_{min}	18	15
d_{min}	30	25



Drive Type B

Type B	M	V
Z_{min}	25	25
d_{min}	60	60



Z_{min} = Minimum number of teeth. d_{min} = Minimum diameter (mm)

Calculation as per specifications for BRECO® M and BRECO® V timing belts.

AT5 PRO (M/V)			Admissible tension cord strength F_{adm} /Specific elasticity/Belt weight			
Belt widths		b (mm)	25	50	75	100
M	Steel tension member	F_{adm} (N)	1750	3500	5250	7000
	Specific elasticity	C_{spec} (N)	0.440-10^6	0.875-10^6	1.310-10^6	1.750-10^6
V	Steel tension member	F_{adm} (N)	910	1750	2380	3500
Belt weight	Standard	kg/m	0.082	0.164	0.245	0.327



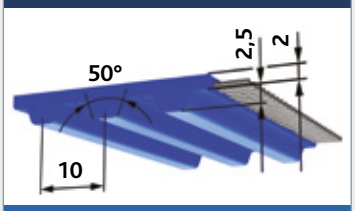
See **Volta Round Belts – Page 179**

AT10 PRO BRECO*protect*® Open Length (M)/Joined (V)

147 338

Polyurethane, Steel reinforced, extruded open length & joined - High Power AT Profile in metric pitch with trapezoidal tooth form.

BRECO*protect*®



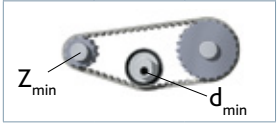
AT10 PRO

Belt widths b (mm)				
25	32	50	75	100

AT10 PRO (M/V)	Available lengths and versions
Standard delivery lengths (M)	50 or 100m - roll
Cut to lengths/lengths > 100m	On request
Minimum length joined (V)	1100mm
Standard material	TPUAU1, FDA-compliant
Belt colour	Blue
Belt widths	Only belt widths listed in the table available

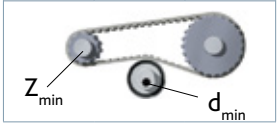
Drive Type A

Type A	M	V
Z_{min}	18	18
d_{min}	60	60



Drive Type B

Type B	M	V
Z_{min}	25	25
d_{min}	120	120



AT10 PRO (M/V) – Specific tooth force					
RPM n (min^{-1})	F_{tspec} (N/cm)	RPM n (min^{-1})	F_{tspec} (N/cm)	RPM n (min^{-1})	F_{tspec} (N/cm)
0	87,50	1200	56,19	3600	37,93
20	86,20	1300	54,95	3800	36,97
40	85,01	1400	53.79	4000	36,06
60	83,88	1500	52,70	4500	33,97
80	82,81	1600	51,66	5000	32,08
100	81,80	1700	50,68	5500	30,36
200	77,43	1800	49,75	6000	28,79
300	73,87	1900	48,86	6500	27,33
400	70,88	2000	48,01	7000	25,98
500	68,29	2200	46,41	7500	24,72
600	66,02	2400	44,94	8000	23,54
700	63,98	2600	43,58	8500	22,43
800	62,15	2800	42,30	9000	21,37
900	60,47	3000	41,11	9500	20,38
1000	58,94	3200	39,99	10000	19,43
1100	57,51	3400	38,93		

Z_{min} = Minimum number of teeth. d_{min} = Minimum diameter (mm)

Calculation as per specifications for BRECO® M and BRECO® V timing belts.

AT10 PRO (M/V)			Admissible tension cord strength F_{adm}/Specific elasticity/Belt weight				
Belt widths		b (mm)	25	32	50	75	100
M	Steel tension member	F_{adm} (N)	4250	5500	8500	12750	17000
M	Specific elasticity	C_{spec} (N)	$1{,}06 \cdot 10^6$	$1{,}37 \cdot 10^6$	$2{,}12 \cdot 10^6$	$3{,}18 \cdot 10^6$	$4{,}25 \cdot 10^6$
V	Steel tension member	F_{adm} (N)	2125	2750	4250	6375	8500
Belt weight	Standard	kg/m	0,158	0,186	0,290	0,436	0,581

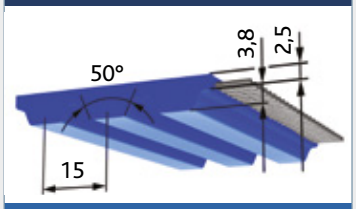
AT15 PRO BRECO*protect*® Open Length (M)/Joined (V)

147 330

BRECO TIMING BELTS

Polyurethane, Steel reinforced, extruded open length & joined - High Power AT Profile in metric pitch with trapezoidal tooth form.

BRECO*protect*®



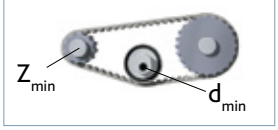
AT15 PRO

Belt widths b (mm)				
25	32	50	75	100

AT15 PRO (M/V)	Available lengths and versions
Standard delivery lengths (M)	50 or 100m - roll
Cut to lengths/lengths > 100m	On request
Minimum length joined (V)	1260mm
Standard material	TPUAU1, FDA-compliant
Belt colour	Blue
Belt widths	Only belt widths listed in the table available

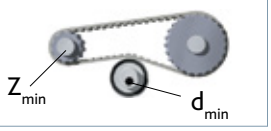
Drive Type A

Type A	M	V
Z_{min}	25	25
d_{min}	120	120



Drive Type B

Type B	M	V
Z_{min}	40	40
d_{min}	250	250



Z_{min} = Minimum number of teeth. d_{min} = Minimum diameter (mm)

AT15 PRO (M/V) – Specific tooth force					
RPM n (min^{-1})	F_{tspec} (N/cm)	RPM n (min^{-1})	F_{tspec} (N/cm)	RPM n (min^{-1})	F_{tspec} (N/cm)
0	133,00	1200	80,98	3600	51,15
20	130,82	1300	78,95	3800	49,59
40	128,78	1400	77,05	4000	48,11
60	126,87	1500	75,26	4500	44,70
80	125,07	1600	73,57	5000	41,62
100	123,37	1700	72,96	5500	38,83
200	116,04	1800	70,44	6000	36,27
300	110,12	1900	68,98	6500	33,90
400	105,15	2000	67,59		
500	100,88	2200	64,99		
600	97,13	2400	62,59		
700	93,78	2600	60,36		
800	90,76	2800	58,29		
900	80,01	3000	56,34		
1000	85,48	3200	54,51		
1100	83,15	3400	52,78		

Calculation as per specifications for BRECO® M and BRECO® V timing belts.

AT15 PRO (M/V)			Admissible tension cord strength F_{adm} /Specific elasticity/Belt weight				
Belt widths		b (mm)	25	32	50	75	100
M	Steel tension member	F_{adm} (N)	4800	5600	9600	14400	19200
	Specific elasticity	C_{spec} (N)	$1{,}2 \cdot 10^6$	$1{,}4 \cdot 10^6$	$2{,}4 \cdot 10^6$	$3{,}6 \cdot 10^6$	$4{,}8 \cdot 10^6$
V	Steel tension member	F_{adm} (N)	2400	2800	4800	7200	9600
Belt weight	Standard	kg/m	0,194	0,248	0,388	0,581	0,775

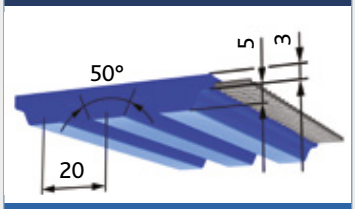
24hr Breakdown available
Customisable product
Product code builder
Compatible product

AT20 PRO BRECO*protect*® Open Length (M)/Joined (V)

147 342

Polyurethane, Steel reinforced, extruded open length & joined - High Power AT Profile in metric pitch with trapezoidal tooth form.

BRECO*protect*®



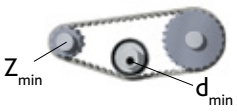
AT20 PRO

Belt widths b (mm)			
25	50	75	100

AT20 PRO (M/V)	Available lengths and versions
Standard delivery lengths (M)	50 m roll
Cut to lengths/lengths > 100m	On request
Minimum length joined (V)	1260mm
Standard material	TPUAU1
Belt colour	Blue
Belt widths	Only belt widths listed in the table available

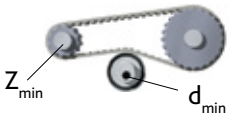
Drive Type A

Type A	M	V
Z_{min}	18	18
d_{min}	120	120



Drive Type B

Type B	M	V
Z_{min}	25	25
d_{min}	180	180



Z_{min} = Minimum number of teeth. d_{min} = Minimum diameter (mm)

Calculation as per specifications for BRECO® M and BRECO® V timing belts.

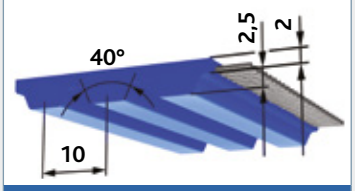
AT20PRO (M/V)			Admissible tension cord strength F_{adm}/Specific elasticity/Belt weight			
Belt widths		b (mm)	25	50	75	100
M	Steel tension member	F_{adm} (N)	5600	11200	16800	22400
	Specific elasticity	C_{spec} (N)	$1.4 \cdot 10^6$	$2.8 \cdot 10^6$	$4.2 \cdot 10^6$	$5.6 \cdot 10^6$
V	Steel tension member	F_{adm} (N)	2800	5600	8400	11200
Belt weight	Standard	kg/m	0.240	0.480	0.720	0.960

T10 PRO BRECO*protect*® Open Length (M)/Joined (V)

147 353

Polyurethane, Steel reinforced, extruded open length & joined, standard T Profile to DIN 7721 in metric pitch with trapezoidal toothform.

BRECO*protect*®



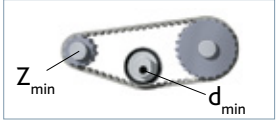
T10 PRO

Belt width b (mm)					
16	25	32	50	75	100

T10 PRO (M/V)	Available lengths and versions
Standard delivery lengths (M)	50 or 100m - Roll
Cut to lengths/lengths > 100m	On request
Minimum length joined (V)	1100mm
Standard material	TPUAU1, FDA-compliant
Belt colour	Blue
Belt widths	Only belt widths listed in the table available

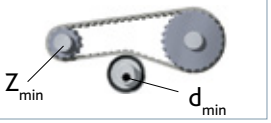
Drive Type A

Type A	M	V
Z_{min}	15	15
d_{min}	60	60



Drive Type B

Type B	M	V
Z_{min}	20	20
d_{min}	60	60



Z_{min} = Minimum number of teeth. d_{min} = Minimum diameter (mm)

T10 PRO (M/V) – Specific tooth force					
RPM n (min^{-1})	F_{tspec} (N/cm)	RPM n (min^{-1})	F_{tspec} (N/cm)	RPM n (min^{-1})	F_{tspec} (N/cm)
0	50,50	1200	29,30	3600	20,70
20	49,00	1300	28,70	3800	20,30
40	47,70	1400	28,20	4000	19,86
60	46,60	1500	27,60	4500	18,91
80	45,70	1600	27,10	5000	18,06
100	44,80	1700	26,70	5500	17,28
200	41,40	1800	26,20	6000	16,58
300	39,10	1900	25,80	6500	15,93
400	37,20	2000	25,40	7000	15,33
500	35,70	2200	24,60	7500	14,76
600	34,40	2400	23,90	8000	14,24
700	33,30	2600	23,30	8500	13,74
800	32,40	2800	22,70	9000	13,28
900	31,50	3000	22,20	9500	12,84
1000	30,70	3200	21,70	10000	12,42
1100	30,00	3400	21,20		

Calculation as per specifications for BRECO® M and BRECO® V timing belts

T10 PRO (M/V)			Admissible tension cord strength F_{adm}/Specific elasticity/Belt weight					
Belt widths		b (mm)	16	25	32	50	75	100
M	Steel tension member	F_{adm} (N)	1400	2200	2800	4400	6600	8800
M	Specific elasticity	C_{spec} (N)	$3{,}5 \cdot 10^5$	$5{,}5 \cdot 10^5$	$7{,}0 \cdot 10^5$	$11{,}0 \cdot 10^5$	$16{,}5 \cdot 10^5$	$22{,}0 \cdot 10^5$
V	Steel tension member	F_{adm} (N)	700	1100	1400	2200	3300	4400
Belt weight	Standard	kg/m	0,073	0,114	0,145	0,227	0,341	0,454

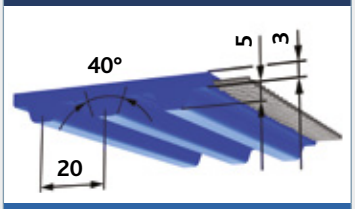
24hr Breakdown available
Customisable product
Product code builder
Compatible product

T20 PRO BRECO*protect*® Open Length (M)/Joined (V)

147 357

Polyurethane, Steel reinforced, extruded open length & joined - Standard T profile to DIN7721 in metric pitch with trapezoidal tooth form.

BRECO*protect*®



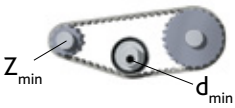
T20 PRO

Belt widths b (mm)	
25	50

T20 PRO (M/V)	Available lengths and versions
Standard delivery lengths (M)	50m roll
Cut to lengths/lengths > 100m	On request
Minimum length joined (V)	1260mm
Standard material	TPUAU1
Belt colour	Blue
Belt widths	Only belt widths listed in the table available

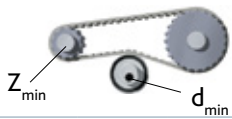
Drive Type A

Type A	M	V
Z_{min}	15	15
d_{min}	120	120



Drive Type B

Type B	M	V
Z_{min}	25	25
d_{min}	120	120



Z_{min} = Minimum number of teeth. d_{min} = Minimum diameter (mm)

Calculation as per specifications for BRECO® M and BRECO® V timing belts.

T20 PRO (M/V)			Admissible tension cord strength F_{adm}/Specific elasticity/Belt weight	
Belt widths		b (mm)	25	50
M	Steel tension member	F_{adm} (N)	3500	7000
M	Specific elasticity	C_{spec} (N)	0.87-10^6	1.75-10^6
V	Steel tension member	F_{adm} (N)	1750	3500
Belt weight	Standard	kg/m	0.184	0.368



See **Machine Building & Accessories – Page 1067 & 1031**

F3 PRO BRECO*protect*® Open Length (M)

330

Polyurethane, Steel reinforced, extruded, open length endless flat belting.

BRECO*protect*®



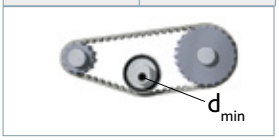
F3 PRO

Belt widths b (mm)	
25	50

F3 PRO (M)	Available lengths and versions
Standard delivery lengths (M)	50 and 100 m roll
Cut to lengths/lengths > 100m	On request
Minimum length joined (V)	-
Standard material	TPUAU1
Belt colour	Blue
Belt widths	Only belt widths listed in the table available

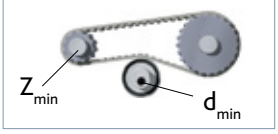
Drive Type A

Type A	M
d_{min}	120



Drive Type B

Type B	M
Z_{min}	150
d_{min}	150



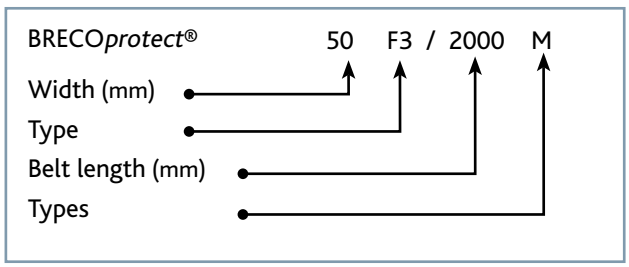
Z_{min} = Minimum number of teeth. d_{min} = Minimum diameter (mm)

Calculation as per specifications for BRECO® M timing belts

F3 PRO (M)			Admissible tension Force F_{tadm}/Specific elasticity/Belt weight	
Belt widths		w (mm)	25	50
M	Steel tension member	F_{Tadm} (N)	7350	14700
	Tear-out force	F_{break} (N)	29400	58800
M	Specific elasticity	C_{spec} (N)	$1.84 \cdot 10^6$	$3.68 \cdot 10^6$
Belt weight	Standard	kg/m	0.172	0.343



Ordering Example



24hr Breakdown available
Customisable product
Product code builder
Compatible product

BRECO® TIMING BELTS

BRECOflex® TIMING BELTS

BRECO*move*® & BRECOFLEX*move*® Timing Belts



- FEM-OPTIMISED TOOTH FLANK GEOMETRY
- NEWLY DEVELOPED TENSION MEMBER FOR TRANSMISSION OF STRONGER FORCES
- MINIMISED WEAR DUE TO A LAMINATE COATING
- SPACE SAVER DUE TO THE OPTION OF CHOOSING A NARROWER BELT WIDTH



BRECOFLEX*move*®
& BRECO*move*®

A NEW BRECO® FAMILY MEMBER KEEPS YOU MOVING

BRECOFLEXmove and BRECOmove polyurethane timing belts have been specially designed for high-performance drives requiring particularly high stiffness.



A newly developed steel cord tension member with slightly larger diameter increases the tensile stiffness by nearly 70% in comparison to the previous version but is still flexible. By enlarging the tension member cross-section it was possible to increase the tensile strength and the permissible tensile forces.

Greater tensile forces lead to higher stress in the root of the tooth and higher surface pressure on the tooth flank. With the aid of finite element topology optimization - Finite Element Method (FEM), the material distribution layout was optimized to achieve a tooth geometry that ensures more uniform distribution of the load acting on the tooth and still fits existing AT profile pulleys. The tooth flank of the BRECOFLEXmove timing belt is additionally protected by a PE laminate that is wear-resistant and ensures lower friction coefficients.

Higher Performance, Lower Friction

These optimizations have produced a new high-performance timing belt with 25% lower friction and a 30% higher transmittable peripheral force compared to the standard BRECOFLEX AT timing belt. This allows belt drives to be



Visit transdev.co.uk
to download a brochure

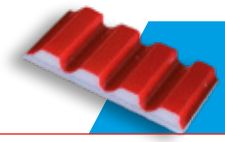
Features

- FEM optimised tooth flank geometry
- Newly developed tension member for transmissionof stronger forces
- Minimised wear due to a laminate coating
- Space saver due to the option of
- choosing a narrower belt width



designed that are 30% more compact than the standard version. Depending on the pulley diameter, considerable costs can be saved using the narrower pulleys.

The BRECOmove timing belt AT10 demonstrates its strengths, in addition to high power transmission, particular in linear technology applications. The very high stiffness of the belt is the basis for excellent dynamic behaviour, with short settling times and high positioning accuracy. This makes BRECOmove® an excellent alternative to comparable timing belts, offering great potential for optimisation.



Request a belt sample from your TransDev sales contact.

BRECOFLEXmove AT10 belt provides a smaller drive option for machine designers.

Largest insulated glazing production line in the world uses BRECOmove AT10

The safety that BRECOmove – as an open length version – offers against tearing is so high that it is also ideal for use in vertical axes. This is why Bystronic glass in Neuhausen in Baden-Württemberg have used it in their new production line.

In the inspection station, the glass panes are held by several adjustable horizontal 18m long support beams. BRECO and BRECObasic AT10 timing belts are used here as traction mechanisms.

An additional beam called a gripper beam, is located in front of the glass and therefore in the operator's area. In order to meet the strict safety guidelines it was necessary to provide proof that the timing belts used can hold three times the rated load. The new BRECOmove high-performance timing belt is ideal for this task.

Read more about this application online on the TransDev website blog page.



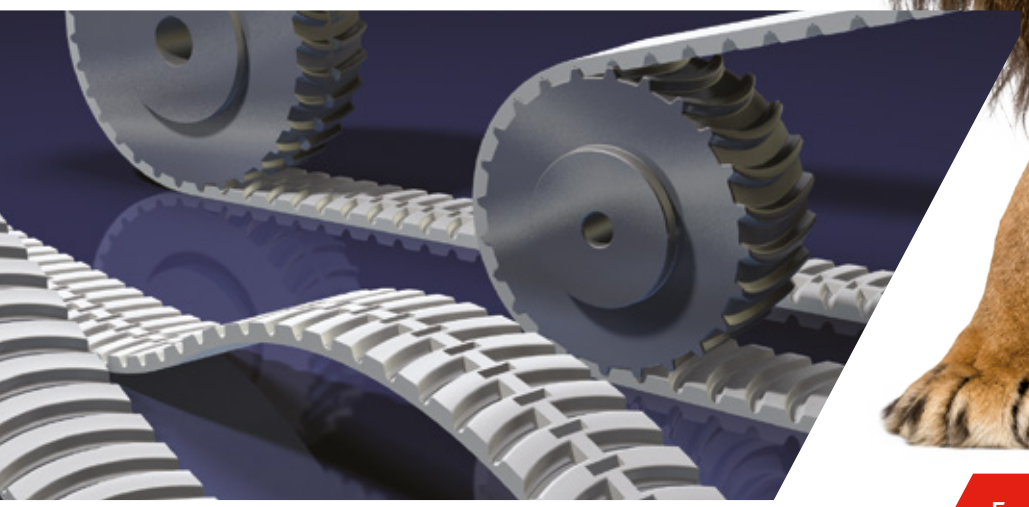
BRECO flex
TIMING BELTS

LEADERS
KEEP ON LEADING

BRECOFLEX® endless polyurethane belts are ideal for all power transmission applications where non-standard belt lengths are required.

Standard sizes are enhanced by the innovative production technique, which allow BRECOFLEX® belts to be manufactured to almost any specific required length to special order.

- **Polyurethane belt**
- **No joint**
- **Specify almost any truly endless belt size**
- **Helically wound steel continuous tension members**
- **Standard sizes available on quick delivery**
- **Single and double-sided belts**
- **Various backings also available to order**



BRECO® *Keeps You Moving*

For **BRECOFLEX®** see page 22

BELTS PULLEYS CHAIN SPROCKETS GEARS BEARINGS LINEAR HARDWARE PLASTICS

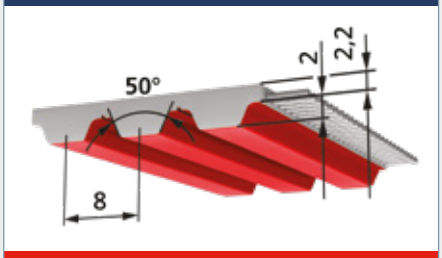
TransDev®
THE POWER IN MOTION

AT8 BRECOFLEX*move*®

BRECO flex TIMING BELTS

330

BRECOFLEX*move*®



AT8 MOV

Belt widths b (mm) (in-between belt widths on request)					
16	25	32	50	75	100

BRECOFLEX*move*® AT8 MOV	Available lengths and versions
Standard delivery lengths	-
Any number of teeth available from	1408 mm to 13000 mm
Intermediate lengths	Minimum order number on request
Standard material	TPUST1
move tension member (standard)	Steel
E tension member	Not available
VA tension member	Not available
Laminate coating on the tooth side (standard)	Red
Belt colour	White/red

BRECOFLEX*move* AT8 MOV – Tooth shear strength (specific belt tooth load bearing)

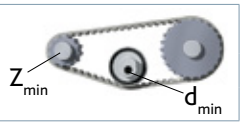
RPM n (min-1)	FUspec (N/cm)	Mspec (Ncm/cm)	Pspec (W/cm)	RPM n (min-1)	FUspec (N/cm)	Mspec (Ncm/cm)	Pspec (W/cm)
0	90.56	11.533	0	2000	49.68	6.33	13.247
20	89.2	11.366	0.237	2200	48.08	6.112	14.094
40	88	11.206	0.469	2400	46.56	5.926	14.883
60	86.88	11.046	0.695	2600	45.12	5.747	15.631
80	85.76	10.912	0.915	2800	43.76	5.581	16.341
100	84.64	10.784	1.128	3000	42.48	5.421	17.021
200	80.08	10.202	2.139	3200	41.36	5.274	17.662
300	76.48	9.741	3.055	3400	40.32	5.126	18.263
400	73.28	9.344	3.913	3600	39.28	4.998	18.835
500	70.72	8.998	4.711	3800	38.32	4.807	19.387
600	68.4	8.704	5.47	4000	37.36	4.749	19.909
700	66.16	8.429	6.18	4500	35.12	4.474	21.092
800	64.32	8.192	6.86	5000	33.12	4.23	22.176
900	62.56	7.962	7.51	5500	31.44	4	23.063
1000	60.96	7.77	8.131	6000	29.84	3.795	23.852
1100	59.52	7.578	8.732	6500	28.32	3.597	24.541
1200	58.16	7.405	9.304	7000	26.88	3.418	25.133
1300	56.88	7.245	9.856	7500	25.6	3.251	25.626
1400	55.68	7.085	10.388	8000	24.32	3.104	26.02
1500	54.56	6.938	10.911	8500	23.2	2.957	26.316
1600	53.44	6.81	11.404	9000	22.08	2.816	26.513
1700	52.48	6.682	11.886	9500	21.12	2.682	26.71
1800	51.52	6.554	12.36	10000	20.08	2.56	26.808
1900	50.48	6.438	12.813				

BRECOFLEX*move* AT8 MOV - Admissible tension cord strength F_{adm}/Belt weight

Belt width	b (mm)	16	25	32	50	75	100
move-tension member	F_{adm} (N)	4312	6750	8625	13470	20200	26940
Belt weight	kg/m	0.106	0.167	0.212	0.339	0.508	0.678

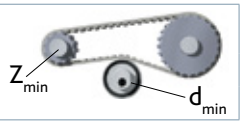
Drive Type A

Without contra-flexure	Standard *move* tension member
Z_{min}	22
d_{min}	60



Drive Type B

With contra-flexure	Standard *move* tension member
Z_{min}	32
d_{min}	120

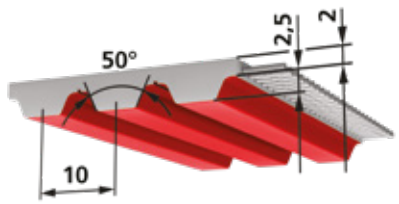


AT10 BRECO*move*® Open Length M

338

BRECO TIMING BELTS

BRECO*move*®



AT10 MOV

BRECO*move*® AT10

The BRECO*move*® timing belt demonstrates its strengths, in addition to high power transmission, particular in linear technology applications. The very high stiffness of the belt is the basis for excellent dynamic behaviour with short settling times and high positioning accuracy. This makes BRECO*move*® an excellent alternative to comparable timing belts, offering great potential for optimisation.

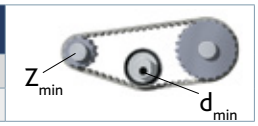
Belt widths b (mm) (in-between belt widths on request)				
25	32	50	75	100

BRECO*move*® AT10 MOV	Available lengths and versions
Standard delivery lengths	50 or 100 mm rolls
Cut to lengths/ lengths > 100m	on request
Standard material	TPUST1
move tension member (standard)	Steel
E tension member	Not available
VA tension member	Not available
Laminate coating on the tooth side (standard)	Red
Belt colour	White/red

BRECO*move* AT10 MOV			Admissible tension cord strength F_{adm}/Belt weight			
Belt width	b (mm)	25	32	50	75	100
move-tension member	F_{adm} (N)	7395	9135	14790	22185	29580
Spec. elasticity	C_{spec} (N)	$1{,}85 \cdot 10^6$	$2{,}25 \cdot 10^6$	$3{,}70 \cdot 10^6$	$5{,}55 \cdot 10^6$	$7{,}40 \cdot 10^6$
Belt weight	kg/m	0,175	0,221	0,351	0,526	0,701

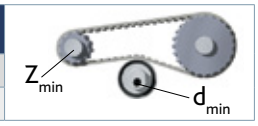
Drive Type A

Without contra-flexure	Standard *move* tension member
Z_{min}	18
d_{min}	60



Drive Type B

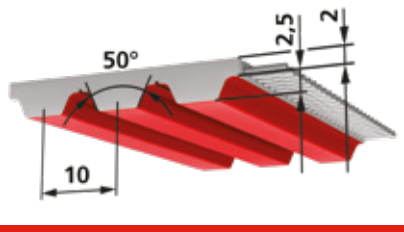
With contra-flexure	Standard *move* tension member
Z_{min}	25
d_{min}	120





See **BRECO® Linear belts – Page 22**

AT10 BRECOFLEX*move*®

BRECOFLEX*move*®

AT10 MOV

BRECOFLEX*move*® AT10

The BRECOFLEX*move*® is a timing belt specifically designed for high-performance drives and traction drives with a particularly high stiffness requirement. A newly developed Steel cord tension member increases belt stiffness and tear-resistance, making transmission of stronger forces possible. The tooth flank geometry has been optimised through the Finite Element Method (FEM). This leads to an optimisation of the contact pressure distribution and reduces the work of friction between the timing belt and pulley, thus minimising wear. In addition, a friction-optimised laminate coating is applied to the tooth side.

Belt widths b (mm) (in-between belt widths on request)				
25	32	50	75	100

BRECOFLEX*move*® AT10 MOV	Available lengths and versions
Standard delivery lengths	See table below
Any number of teeth available from	1400mm to 30500mm
Intermediate lengths	Minimum order number on request
Standard material	TPUST1
move tension member (standard)	Steel
E tension member	Not available
VA tension member	Not available
Laminate coating on the tooth side (standard)	Red
Belt colour	White/red

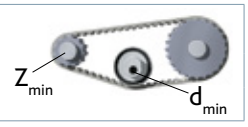
Standard lengths (mm)/Number of teeth			
Length	No. teeth	Length	No. teeth
1400	140	3550	355
1500	150	3750	375
1600	160	4000	400
1700	170	4250	425
1800	180	4500	450
1900	190	4750	475
2000	200	5000	500
2120	212	5300	530
2240	224	5600	560
2360	236	6000	600
2500	250	6300	630
2650	265	6700	670
2800	280	7100	710
3000	300	7500	750
3150	315	8000	800
3350	335	9000	900

BRECOFLEX*move* AT10 MOV – Tooth shear strength (specific belt tooth load bearing)							
RPM n (min-1)	FUspec (N/cm)	Mspec (Ncm/cm)	Pspec (W/cm)	RPM n (min-1)	FUspec (N/cm)	Mspec (Ncm/cm)	Pspec (W/cm)
0	113,2	18,02	0,000	2000	62,1	9,89	20,698
20	111,5	17,76	0,371	2200	60,1	9,55	22,022
40	110,0	17,51	0,733	2400	58,2	9,26	23,254
60	108,6	17,26	1,086	2600	56,4	8,98	24,424
80	107,2	17,05	1,429	2800	54,7	8,72	25,533
100	105,8	16,85	1,763	3000	53,1	8,47	26,596
200	100,1	15,94	3,342	3200	51,7	8,24	27,597
300	95,6	15,22	4,774	3400	50,4	8,01	28,536
400	91,6	14,60	6,114	3600	49,1	7,81	29,429
500	88,4	14,06	7,361	3800	47,9	7,61	30,292
600	85,5	13,60	8,547	4000	46,7	7,42	31,108
700	82,7	13,17	9,656	4500	43,9	6,99	32,956
800	80,4	12,80	10,718	5000	41,4	6,61	34,650
900	78,2	12,44	11,735	5500	39,3	6,25	36,036
1000	76,2	12,14	12,705	6000	37,3	5,93	37,268
1100	74,4	11,84	13,644	6500	35,4	5,62	38,346
1200	72,7	11,57	14,538	7000	33,6	5,34	39,270
1300	71,1	11,32	15,400	7500	32,0	5,08	40,040
1400	69,6	11,07	16,232	8000	30,4	4,85	40,656
1500	68,2	10,84	17,048	8500	29,0	4,62	41,118
1600	66,8	10,64	17,818	9000	27,6	4,40	41,426
1700	65,6	10,44	18,572	9500	26,4	4,19	41,734
1800	64,4	10,24	19,312	10000	25,1	4,00	41,888
1900	63,1	10,06	20,020				

BRECOFLEX*move* AT10 MOV			Admissible tension cord strength F_{adm}/Belt weight			
Belt width	b (mm)	25	32	50	75	100
move-tension member	F_{adm} (N)	6750	8625	13470	20200	26940
Belt weight	kg/m	0,173	0,222	0,347	0,520	0,693

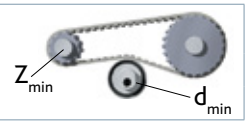
Drive Type A

Without contra-flexure	Standard *move* tension member
Z_{min}	18
d_{min}	60



Drive Type B

With contra-flexure	Standard *move* tension member
Z_{min}	25
d_{min}	120

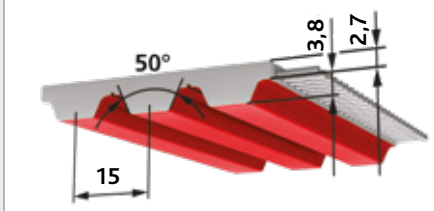


AT15 BRECO*move*® Open Length M

330

BRECO TIMING BELTS

BRECO*move*®



AT15 MOV

BRECO*move*® AT15

The BRECO*move*® timing belt demonstrates its strengths, in addition to high power transmission, particular in linear technology applications. The very high stiffness of the belt is the basis for excellent dynamic behaviour with short settling times and high positioning accuracy. This makes BRECO*move*® an excellent alternative to comparable timing belts, offering great potential for optimisation

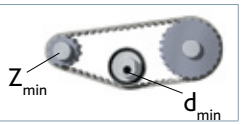
Belt widths b (mm) (in-between belt widths on request)			
50	75	100	150

BRECO*move*® AT15 MOV	Available lengths and versions
Standard delivery lengths	50 or 100 mm rolls
Cut to lengths/ lengths > 100m	on request
Standard material	TPUST1
move tension member (standard)	Steel
E tension member	Not available
VA tension member	Not available
Laminate coating on the tooth side (standard)	Red
Belt colour	White/red

BRECO*move*® AT15 MOV			Admissible tension cord strength F_{adm}/Belt weight		
Belt width	b (mm)	50	75	100	150
move-tension member	F_{adm} (N)	18200	27300	36400	54600
Spec. elasticity	Cs_{pec}(N)	4,55-106	6,82-106	9,10-106	13,65-106

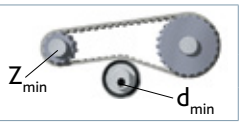
Drive Type A

Without contra-flexure	Standard *move* tension member
Z_{min}	20
d_{min}	95

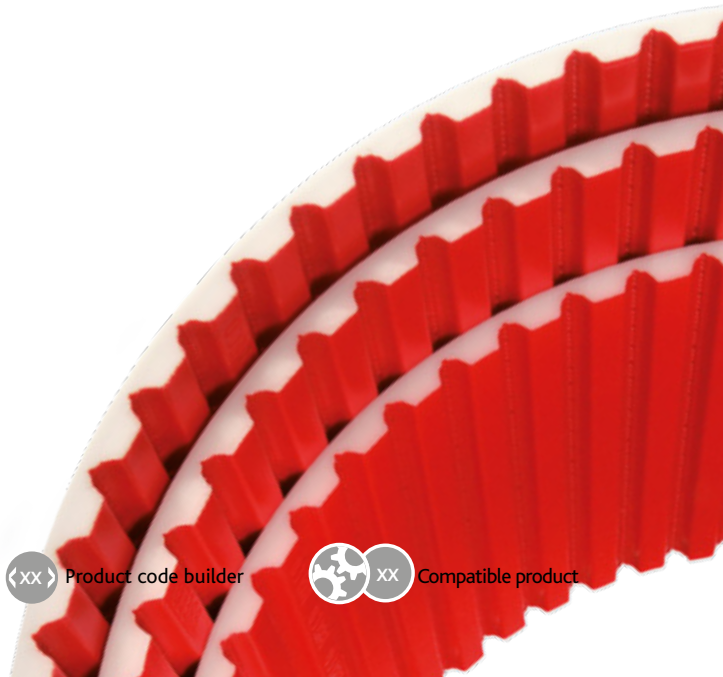


Drive Type B

With contra-flexure	Standard *move* tension member
Z_{min}	25
d_{min}	120



Z_{min} = Minimum number of teeth. d_{min} = Minimum diameter (mm)



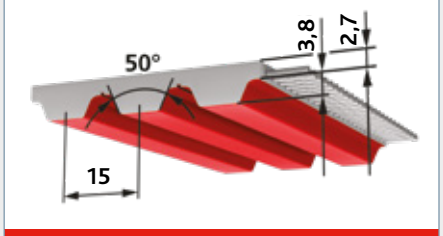
24hr Breakdown available | Customisable product | Product code builder | Compatible product

AT15 BRECOFLEX*move*®

BRECO flex TIMING BELTS

330

BRECOFLEX*move*®



AT15 MOV

BRECOFLEX*move*® AT15

The BRECOFLEXmove® is a timing belt specifically designed for high performance drives and traction drives with a particularly high stiffness requirement. A newly developed Steel cord tension member increases belt stiffness and tear-resistance, making transmission of stronger forces possible. The tooth flank geometry has been optimised through the Finite Element Method (FEM). This leads to an optimisation of the contact pressure distribution and reduces the work of friction between the timing belts and tooth washer, thus minimising wear. In addition, a friction optimised laminate coating is applied to the tooth side. The AT15move timing belts are much stiffer than the ATS15, AT20 and ATL20 timing belts of the same width

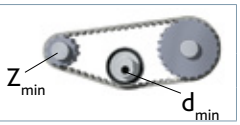
Belt widths b (mm) (in-between belt widths on request)				
25	32	50	75	100

BRECOFLEX*move*® AT15 MOV	Available lengths and versions
Standard delivery lengths	-
Any number of teeth available from	1410mm to 30495mm
Intermediate lengths	Minimum order number on request
Standard material	TPUST1
E tension member	Not available
VA tension member	Not available
Laminate coating on the tooth side (standard)	Red
Belt colour	White/red

BRECOFLEX*move*® AT15 MOV			Admissible tension cord strength F_{adm}/Belt weight			
Belt width	b (mm)	25	32	50	75	100
move-tension member	F_{adm} (N)	8450	11050	17550	26000	35100
Belt weight	kg/m	0,237	0,303	0,473	0,710	0,946

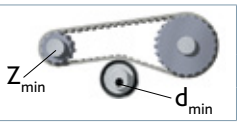
Drive Type A

Without contra-flexure	Standard *move* tension member
Z_{min}	20
d_{min}	95



Drive Type B

With contra-flexure	Standard *move* tension member
Z_{min}	25
d_{min}	120



Z_{min} = Minimum number of teeth. d_{min} = Minimum diameter (mm)



TransDev
SPECIAL BELTS

CHASE PERFECTION
CATCH EXCELLENCE

- Largest Special Belt machining capabilities in the UK
- One of the largest stock profiles in Europe
- Complex belts to microns of pitch accuracy
- Grinding, slitting, punching and slotting of belts
- Fitting and grinding of profiles
- Jointed and wide belts
- Welded, autoclaved and backed belts
- Bonded materials
- Special and vulcanised backings
- Experts in Haul-off belts
- Comprehensive range of VFFS belts (Vertical Form, Fill, Seal)

BRECO® TIMING BELTS

Continental

TRANSBACK TRANSGRIP





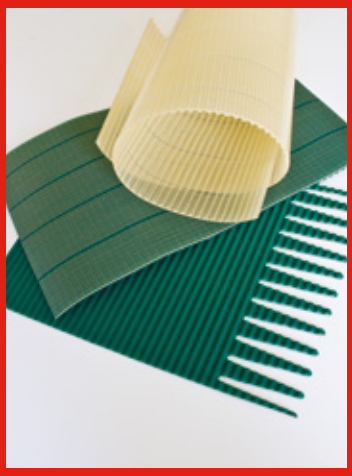
For **Special Belts** see page 281

BELTS PULLEYS CHAIN SPROCKETS GEARS BEARINGS LINEAR HARDWARE PLASTICS

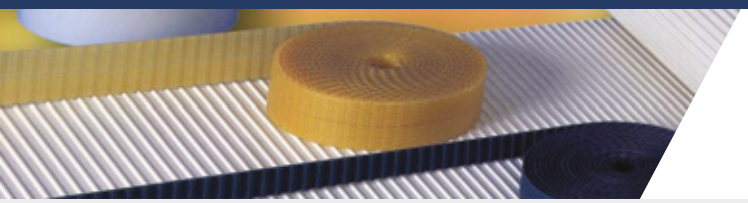
TransDev®
THE POWER IN MOTION

TRANSFLEX

Extra Wide Series Timing Belts



- HIGH STRENGTH ARAMID CORD CONSTRUCTION
- DURABLE AND CUT RESISTANT
- TOUGH POLYURETHANE CONSTRUCTION
- PAZ, PAR AND PAZ/PAR OPTIONS AVAILABLE



TRANSFLEX

EXTRA WIDE TIMING BELTS

With widths up to 450mm, specifically designed for synchronous conveying applications.

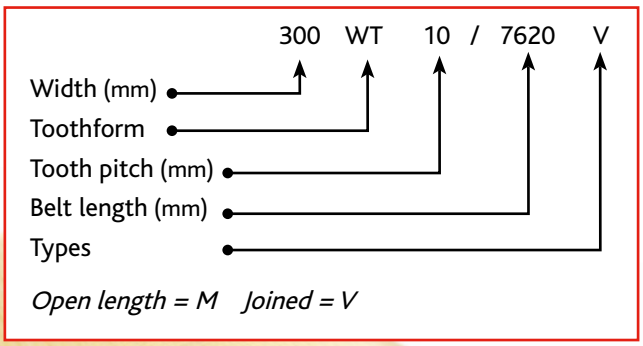
Wide belts

TransDev hold in stock, polyurethane timing belts in widths up to 450mm. This belt is specifically designed for synchronous conveying applications. Wide belts are primarily used as process conveyor belts. Process (or conversion steps) normally occur on the belt, therefore the conveyed product requires additional width.

Common applications

- High speed conveying
- Rapid indexing
- Automated process conveyor belts
- Bulk product conveying
- Clean room or wash down environment

Ordering Example

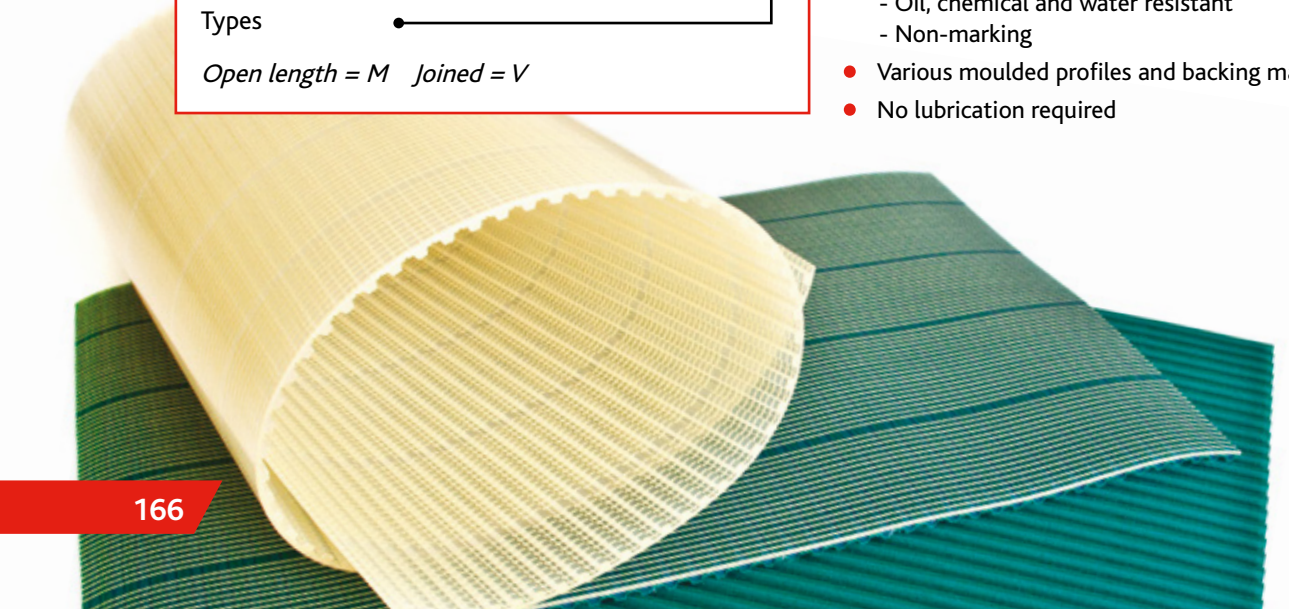


Application characteristics

- Replaces flat conveyor belt
  - No re-tensioning required
  - Lower shaft forces
  - Positive indexing
  - Higher acceleration without slippage
- Alternative to modular plastic conveyor
  - Quieter operation
  - Easier cleaning
  - No hinges or pins to break and contaminate products

Product features

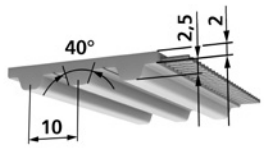
- High strength Aramid cord construction
- Parallel cord construction
  - No cords exposed at edges of belt
  - Better tracking
  - Uniform tensioning
- Choice of polymers including FDA grades
- Nylon back and nylon tooth surface options available for quieter operation and reduced friction
- Tough Polyurethane construction
  - Durable and cut resistant
  - Oil, chemical and water resistant
  - Non-marking
- Various moulded profiles and backing materials available
- No lubrication required



WT10 Wide Open Length (M)/Joined (V)

TRANSFLEX

Standard



WT10

Polyurethane, Aramid reinforced, extruded endless, standard T Profile to DIN 7721 in metric pitch with trapezoidal toothform.

Available types for WT10

- Single-sided
- Single sided with Aramid tension members
- Nylon tooth facing (PAZ)
- Special machining available upon request

Belt widths (mm) Intermediate belt widths on request					
200	250	300	350	400	450

WT10 (M/V)		Available lengths and versions
Standard delivery lengths (M)		Rolls of 60m
Cut to lengths/lengths > 100m		On request
Minimum length joined (V)	Standard	1000mm
Standard material		PU 85 Shore A[1)]
Aramid tension member (standard)		x
E tension member		-
Stainless Steel tension member		-
PAZ		x
PAR		x
PAZ-PAR		x

x Available, minimum purchase amount
o Minimum purchase amount on request
- Not available
1) Further materials on request

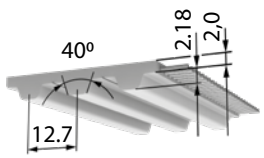
WT10 - Tension member loadings								
Belt width	b (mm)	16	25	32	50	75	100	150
Tension member loadings F_{adm}(N)	M	1400	2200	2800	4400	6600	8800	13200
	V	700	1100	1400	2200	3300	4400	6600

Wide Belt Specifications			WT10
Pitch			10mm
Ultimate tensile strength per inch or 25mm belt width	Aramid	lbf/in N/25mm	800 3557
Max. allowable belt tension per inch or 25mm belt width	Aramid Welded	lbf/in N/25mm	71 315
Allowable effective tension for the belt teeth (15 & more teeth in mesh)		lbf/in N/25mm	281 1250
Specific belt weight	Aramid	lbf/ft/in N/mm	0.066 0.039
Specific belt stiffness (open ended)	Aramid	lbf/in N/mm	2383 4200
Min. number of pulley teeth			16
Min. pitch diameter (mm)			51mm
Min. diameter of tensioning idler running on back of belt		inch mm	3 1/2 80
Available in FDA compliant construction (85 shore A Urethane)			Yes
Standard colour			Natural
Min. welded belt length			850mm
Standard roll length			60m
Standard slitting lanes			N/A
Min. width available			150mm
Max. width available			450mm
Width tolerance			+/- 1.0mm
Service temperature range	-5°C to 70°C (23°F to 158°F)		
Hardness, Shore A	85 Shore A - Standard PU, 85 Shore A - FDA compliant PU		
Coefficient of friction	Urethane vs. Steel (dry) 0.5 to 0.7 Urethane vs. Aluminium (dry) 0.5 to 0.6 Urethane vs. UHMWPE (dry) 0.5 to 0.4		

WT1/2 (H) Wide Open Length (M)/Joined (V)

TRANSFLEX

Standard



WT1/2" (H)

Polyurethane, Aramid reinforced, Joined and open length belting. Classic imperial pitch with trapezoidal toothform.

Available types for WT1/2"

- Single-sided
- Single sided with Aramid tension members
- Nylon tooth facing (PAZ)
- Special machining available upon request

Belt widths (mm) Intermediate belt widths on request					
200	250	300	350	400	450

WT1/2 (M/V)		Available lengths and versions
Standard delivery lengths (M)		Rolls of 60m
Cut to lengths/lengths > 100 m		On request
Minimum length joined (V)	Standard	1000mm
Standard material		PU 85 Shore A[1)]
Aramid tension member (standard)		x
E tension member		-
Stainless Steel tension member		-
PAZ		x
PAR		x
PAZ-PAR		x

x Available, minimum purchase amount
o Minimum purchase amount on request
- Not available
1) Further materials on request

Wide Belt Specifications			WH
Pitch (imperial & metric)			.500"
Ultimate tensile strength per inch or 25mm belt width	Aramid	lbf/in N/25mm	800 3557
Max. allowable belt tension per inch or 25mm belt width	Aramid Welded	lbf/in N/25mm	71 315
Allowable effective tension for the belt teeth (15 & more teeth in mesh)		lbf/in N/25mm	330 1470
Specific belt width	Aramid	lbf/ft/in N/mm	0.056 0.033
Specific belt stiffness (open ended)	Aramid	lbf/in N/mm	2383 4200
Min. number of pulley teeth			14
Min. pitch diameter (inch on mm)			2.23"
Min. diameter of tensioning idler running on back of belt		inch mm	3.1.2 80
Available in FDA compliant construction (85 shore A Urethane)			Yes
Standard colour			Natural
Min. welded belt length			33"
Standard roll length			200ft
Standard slitting lanes			N/A
Min. width available			6"
Max. width available			18"
Width tolerance			+/- .060
Service temperature range	-5°C to 70°C (23°F to 158°F)		
Hardness, Shore A	85 Shore A - Standard PU, 85 Shore A - FDA compliant PU		
Coefficient of friction	Urethane vs. Steel (dry) 0.5 to 0.7 Urethane vs. Aluminium (dry) 0.5 to 0.6 Urethane vs. UHMWPE (dry) 0.5 to 0.4		

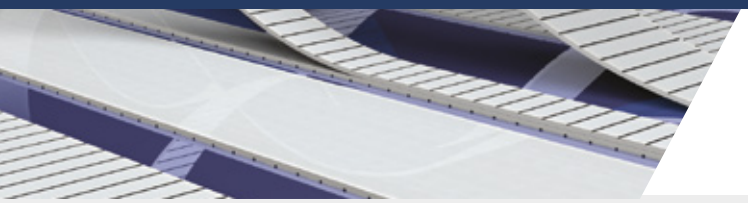
BRECO® TIMING BELTS

BRECOflex® TIMING BELTS

BRECO® & BRECOFLEX® Flat Belts



- HIGHLY FLEXIBLE
- CONSTANT LENGTH
- LOW NOISE
- TEMPERATURE RANGE -25°C TO +80°C
- RESISTANT AGAINST SIMPLE OILS, FATS AND PETROL



POLYURETHANE FLAT BELTS

A maintenance-free, low noise, space and cost saving alternative to chains and cable tension systems.

Properties

- Low noise
- Highly flexible
- Wear resistant
- Small build sizes
- Hydrolysis resistant
- Constant length
- Resistant against simple oils, fats and petrol
- Low elongation
- Resistant to some acids

Areas of use

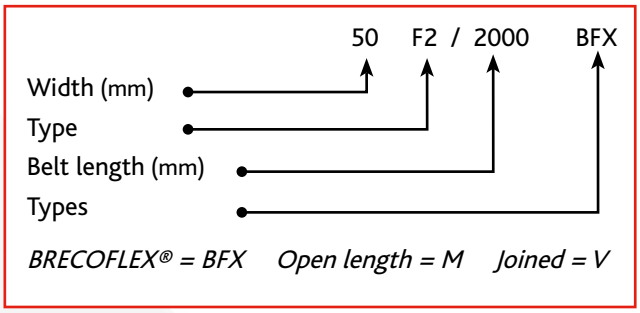
- Foodstuff sector
- Low temperature range from -25°C to +5°C
- High temperature range from +20°C to +110°C
- Use in low aggressive environment

Flat belts made of polyurethane

Combining highly-flexible steel cords of a high tensile strength, embedded in wear resistant Polyurethane, flat belts are a maintenance-free, low noise, space and cost saving alternative to chains and cable tension systems. These characteristics favour the increasing range of applications of the BRECO® flat belt.

Fitness machines, lifting tables, elevator systems and car wash stations are only some of the numerous application possibilities, where the BRECO® flat belt offers the best solution.

Ordering Example





See BRECOprotect® – Page 145

F2 Flat Belts BRECOFLEX®

Polyurethane, Steel reinforced, extruded endless flat belting.

Standard

F2 BFX

Properties for F2 BRECOFLEX®

- Low noise
- Highly flexible
- Wear resistant
- Small build sizes
- Hydrolysis resistant
- Constant length
- Resistant against simple oils, fats and petrol
- Low elongation
- Resistant to some acids

Standard lengths (mm)	
1500	1900
1550	1950
1600	2000
1650	2100
1700	2500
1750	3000
1800	4000
1850	5000

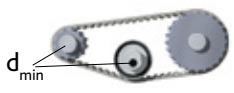
Belt widths (mm) Intermediate belt widths on request					
16	25	32	50	75	100

Allowable tensile load by belt width

BRECOFLEX F2	Tension cord strengths F/Belts weights					
Belt width (mm)	16	25	32	50	75	100
E/Steel tension member F (N)	1000	1800	2300	3800	5800	7800
VA tension member F (N)	800	1440	1840	3040	4640	6240
Belt weight (kg/m)	0,050	0,078	0,100	0,100	0,235	0,313

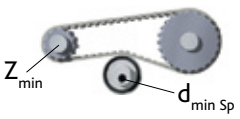
Drive Type A

Without contra-flexure	Steel tension member	E tension member	VA tension member
d_{min}	30	25	60



Drive Type B

With contra-flexure	Steel tension member	E tension member	VA tension member
Z_{min}	60	50	130
$d_{min\ Sp}$	60	50	130



BFX F2	Available lengths and versions
Standard lengths (M)	See table
Length graduation from groove to groove (in 10mm stages)	1,500mm up to 20,000mm
Under 1,500mm	On request
Intermediate lengths	o
Over 20,000mm	On request
Standard material	TPUST1[1)]
Steel tension member (standard)	x
E tension member	o
VA tension member	o
PAZ (groove side)	x

x Available, minimum purchase amount
o Minimum purchase amount on request
- Not available
1) Further materials on request

F1 Flat Belts BRECO® Open Length (M)

Polyurethane, Steel reinforced, extruded open length flat belting.

Standard

F1

Properties for F1 BRECO® (M)

- Low noise
- Highly flexible
- Wear resistant
- Small build sizes
- Hydrolysis resistant
- Constant length
- Resistant against simple oils, fats and petrol
- Low elongation
- Resistant to some acids

Belt widths (mm) Intermediate belt widths on request			
8	10	15	20

F1	Available lengths and versions
Standard lengths (M)	Rolls of 100m
Cut/Lengths > 100m Length graduation from groove to groove (in 10mm stages)	On request
Minimum length joined	-
Standard material	TPUST1[1)]
Steel tension member (standard)	x
E tension member	o
VA tension member	o
PAZ (groove side)	-

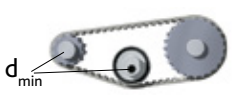
x Available, minimum purchase amount
o Minimum purchase amount on request
- Not available
1) Further materials on request

Allowable tensile load by belt width

BRECO/F1 (M)	Tension cord strengths F/Belts weights			
Belt width (mm)	8	10	15	20
E/Steel tension member F (N)	300	360	510	720
VA tension member F (N)	230	275	390	550
Belt weight (kg/m)	0,012	0,015	0,023	0,030

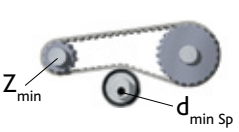
Drive Type A

Without contra-flexure	Steel tension member	E tension member	VA tension member
d_{min}	16	12	30



Drive Type B

With contra-flexure	Steel tension member	E tension member	VA tension member
Z_{min}	30	18	60
$d_{min\ Sp}$	30	18	60



F2 Flat Belts BRECO® Open Length (M)/Joined (V)

BRECO TIMING BELTS

Polyurethane, Steel reinforced, extruded endless flat belting.

Standard

F2

Properties for F2 BRECO® (M/V)

- Low noise
- Highly flexible
- Wear resistant
- Small build sizes
- Hydrolysis resistant
- Constant length
- Resistant against simple oils, fats and petrol
- Low elongation
- Resistant to some acids

Belt widths (mm) Intermediate belt widths on request				
25	32	50	75	100

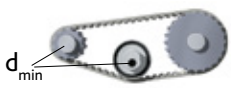
F2	Available lengths and versions
Standard lengths (M)	Rolls of 50 or 100m
Cut/Lengths > 100m Length graduation from groove to groove (in 10mm stages)	On request
Minimum length joined (V)	880
Standard material	TPUST1[1)]
Steel tension member (standard)	x
E tension member	o
VA tension member	o
PAZ (groove side)	x

x Available, minimum purchase amount
o Minimum purchase amount on request
- Not available
1) Further materials on request

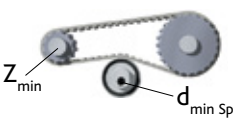
Allowable tensile load by belt width

BRECO/F2 (M/V)		Tension cord strengths F/Belts weights				
Belt width (mm)		25	32	50	75	100
M	E/Steel tension member F (N)	2200	2600	4400	6600	8800
	VA tension member F (N)	1760	2080	3520	5280	7040
V	E/Steel tension member F (N)	1100	1300	2200	3300	4400
	VA tension member F (N)	880	1040	1760	2640	3520
Belt weight (kg/m)		0,081	0,101	0,161	0,241	0,322

Drive Type A

Without contra-flexure	Steel tension member	E tension member	VA tension member	
d_{min}	30	25	60	

Drive Type B

With contra-flexure	Steel tension member	E tension member	VA tension member	
Z_{min}	60	50	130	
$d_{min\ Sp}$	60	50	130	

F2.2 Flat Belts BRECO® Open Length (M)/Joined (V)

Polyurethane, Steel reinforced, extruded endless flat belting.

Standard

F2.2

Properties for F2.2 BRECO® (M/V)

- Low noise
- Highly flexible
- Wear resistant
- Small build sizes
- Hydrolysis resistant
- Constant length
- Resistant against simple oils, fats and petrol
- Low elongation
- Resistant to some acids

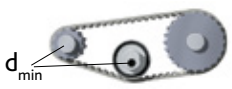
Belt widths (mm) Intermediate belt widths on request							
20	25	30	32	40	50	75	100

F2.2 (M/V)	Available lengths and versions
Standard lengths (M)	Rolls of 50 or 100m
Cut/Lengths > 100m Length graduation from groove to groove (in 10mm stages)	On request
Minimum length joined (V)	880
Standard material	TPUST1[1)]
Steel tension member (standard)	x
E tension member	o
VA tension member	o
PAZ (groove side)	x

x Available, minimum purchase amount
o Minimum purchase amount on request
- Not available
1) Further materials on request

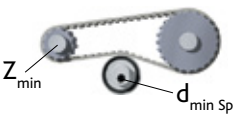
Drive Type A

Without contra-flexure	Steel tension member	E tension member	VA tension member
d_{min}	60	40	80



Drive Type B

With contra-flexure	Steel tension member	E tension member	VA tension member
Z_{min}	120	70	130
$d_{min\ Sp}$	120	70	130



Allowable tensile load by belt width

BRECO/F2.2 (M/V)		Tension cord strengths F/Belts weights							
Belt width (mm)		20	25	30	32	40	50	75	100
M	E/Steel tension member F (N)	2500	3500	4500	5000	5500	7000	10000	14000
	VA tension member F (N)	1875	2625	3375	3750	4125	5250	7500	10500
V	E/Steel tension member F (N)	1250	1750	2250	2500	2750	3500	5000	7000
	VA tension member F (N)	940	1315	1685	1875	2060	2625	3750	5250
Belt weight (kg/m)		0,071	0,092	0,120	0,130	0,146	0,213	0,309	0,366

F2.5 Flat Belts BRECO® Open Length (M)/Joined (V)

BRECO TIMING BELTS

Polyurethane, Steel reinforced, extruded endless flat belting.

Standard

F2.5

Properties for F2.5 BRECO® (M/V)

- Low noise
- Highly flexible
- Wear resistant
- Small build sizes
- Hydrolysis resistant
- Constant length
- Resistant against simple oils, fats and petrol
- Low elongation
- Resistant to some acids

Belt widths (mm) Intermediate belt widths on request	
50	100

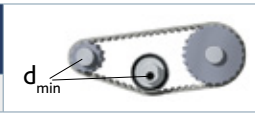
F2.5	Available lengths and versions
Standard lengths (M)	Rolls of 50 or 100m
Cut/Lengths > 100m Length graduation from groove to groove (in 10mm stages)	On request
Minimum length joined (V)	880
Standard material	TPUST1[1)]
Steel tension member (standard)	x
E tension member	o
VA tension member	o
PAZ (groove side)	x

x Available, minimum purchase amount
o Minimum purchase amount on request
- Not available
1) Further materials on request

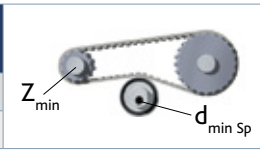
Allowable tensile load by belt width

BRECO/F2.5 (M/V)		Tension cord strengths F/Belts weights	
Belt width (mm)		50	100
M	E/Steel tension member F (N)	11200	22400
	VA tension member F (N)	8960	17920
V	E/Steel tension member F (N)	5600	11200
	VA tension member F (N)	4480	8960
Belt weight (kg/m)		0,263	0,526

Drive Type A

Without contra-flexure	Steel tension member	E tension member	VA tension member	
d_{min}	80	60	100	

Drive Type B

With contra-flexure	Steel tension member	E tension member	VA tension member	
Z_{min}	120	80	160	
$d_{min\ Sp}$	120	80	160	

F3 Flat Belts BRECO® Open Length (M)/Joined (V)

Polyurethane, Steel reinforced, extruded endless flat belting.

Standard



F3

Also available in BRECOprotect® see page 154

Properties for F3 BRECO® (M/V)

- Low noise
- Highly flexible
- Wear resistant
- Small build sizes
- Hydrolysis resistant
- Constant length
- Resistant against simple oils, fats and petrol
- Low elongation
- Resistant to some acids

Belt widths (mm) Intermediate belt widths on request			
30	50	75	100

F3	Available lengths and versions
Standard lengths (M)	Rolls of 50 or 100m
Cut/Lengths > 100m Length graduation from groove to groove (in 10mm stages)	On request
Minimum length joined (V)	880
Standard material	TPUST1[1)]
Steel tension member (standard)	x
E tension member	-
VA tension member	o
PAZ (groove side)	x

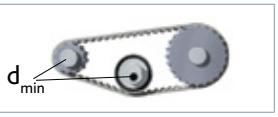
x Available, minimum purchase amount
o Minimum purchase amount on request
- Not available
1) Further materials on request

Allowable tensile load by belt width

BRECO/F3 (M/V)		Tension cord strengths F/Belts weights			
Belt width (mm)		30	50	75	100
M	E/Steel tension member F (N)	8400	14700	23800	30800
	VA tension member F (N)	6720	11760	19400	24640
V	E/Steel tension member F (N)	4200	7350	11900	15400
	VA tension member F (N)	3360	5880	9520	12320
Belt weight (kg/m)		0,197	0,343	0,518	0,686

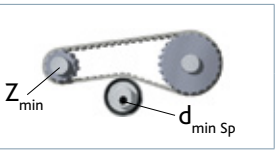
Drive Type A

Without contra-flexure	Steel tension member	E tension member	VA tension member
d_{min}	120	-	180



Drive Type B

With contra-flexure	Steel tension member	E tension member	VA tension member
Z_{min}	150	-	300
$d_{min\ Sp}$	150	-	300



F6 Flat Belts BRECO® Open Length (M)/Joined (V)

BRECO TIMING BELTS

Polyurethane, Steel reinforced, extruded endless flat belting.

Standard

F6

Properties for F6 BRECO® (M/V)

- Low noise
- Highly flexible
- Wear resistant
- Small build sizes
- Hydrolysis resistant
- Constant length
- Resistant against simple oils, fats and petrol
- Low elongation
- Resistant to some acids

Belt widths (mm) Intermediate belt widths on request
30

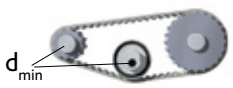
F6	Available lengths and versions
Standard lengths (M)	Rolls of 50 or 100m
Cut/Lengths > 100m Length graduation from groove to groove (in 10mm stages)	On request
Minimum length joined (V)	880
Standard material	TPUST1[1)]
Steel tension member (standard)	x
E tension member	-
VA tension member	o
PAZ (groove side)	x

x Available, minimum purchase amount
o Minimum purchase amount on request
- Not available
1) Further materials on request

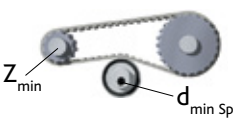
Allowable tensile load by belt width

BRECO/F6 (M/V)		Tension cord strengths F/Belts weights
Belt width (mm)		30
M	E/Steel tension member F (N)	1800
	VA tension member F (N)	1440
V	E/Steel tension member F (N)	900
	VA tension member F (N)	720
Belt weight (kg/m)		0,232

Drive Type A

Without contra-flexure	Steel tension member	E tension member	VA tension member	
d_{min}	90	-	90	

Drive Type B

With contra-flexure	Steel tension member	E tension member	VA tension member	
Z_{min}	90	-	130	
$d_{min\ Sp}$	90	-	130	

BRECO®
TIMING BELTS

STRONG, HYGENIC, AND BLUE PROTECTION FROM BRECO®

BRECO*protect*® timing belts are designed to meet the strict requirements associated with contact with food and the cleaning processes necessary in these areas.

The BRECO*protect*® product line offers timing belts with Steel tension carriers that are fully embedded in Polyurethane, which protects them against corrosion. The choice of material for the timing belts complies with FDA regulations and the blue colour is consistent with current requirements in the food processing industry.

The Polyurethane used is compliant with the conformity criteria of the FDA Code of Federal Regulations, section 177.1680, the European Regulation (EC) 1935-2004, Regulation (EU) no. 10/2011 and European Commission Directives 90/128/EEC and 96/11/EC.

- The perfect choice for strict requirements associated with food
- Groove-free design guarantees easy cleaning
- Corrosion-protection for the steel carriers
- Available by the metre or as continuous, welded products
- Suitable for use in moist environments
- A different kind of belt with a colour scheme in-line with current food industry trends



MANUFACTURED TO FDA STANDARDS

For BRECO*protect*® see page 145

BELTS PULLEYS CHAIN SPROCKETS GEARS BEARINGS LINEAR HARDWARE PLASTICS

TransDev®
THE POWER IN MOTION

Volta™
Belting Technology

Volta Series Friction Belts



- THERMOPLASTIC ELASTOMER (TPE)
- V BELTS
- ROUND BELTS
- LARGE RANGE OF PROFILES
- CHOICE OF COLOURS AND HARDNESS
- FOOD CERTIFICATIONS



Volta VAR Belts

WHEN YOU NEED RELIABILITY
CALL ON A WORLD LEADER

Volta Belting Technology Ltd has been a world leader in the manufacture of Thermoplastic Elastomer (TPE) belting and profiles for over 50 years.

Volta Belting offers the largest range of Thermoplastic Elastomer (TPE) V and Round (VaR) profiles available in the market. High durability and dimensional accuracy makes them indispensable for applications that demand reliability. Available in a range of profiles (reinforced, coated grip belts, custom designed), colours and hardnesses.

Special Round belts include Steel-reinforced belts for canning lines and ESD belts for use in the electronics industry. Grip tops welded to V profiles are available for stop/start lines and packaging machinery. Other specialized VaR profiles suit ceramic glazing lines.

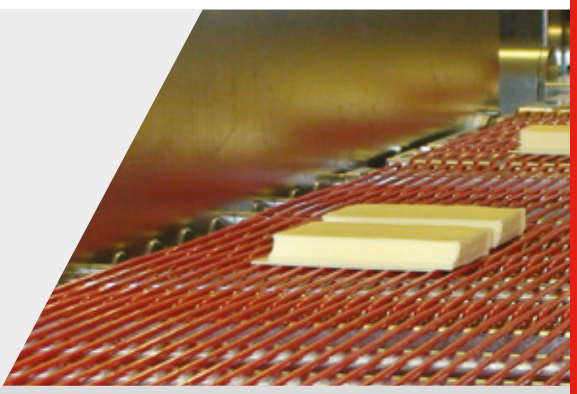


Visit transdev.co.uk to download a brochure

PU Series Friction Belts and Tools

Features

- Resistant to water, oil and chemicals
- Long, reliable life
- Dimensional consistency reduces vibrations or product loss
- Welded coatings add grip or vary the coefficient of friction
- Textured variations of round belts available
- Tools available for easy onsite installation





MANUFACTURED TO FDA STANDARDS

Many VaR products are USDA/ FDA/USDA/3A Dairy and EC certified for food contact.



All Volta VaR (V and Round) belting can be easily welded, either on site or prior to installation. TransDev can supply Volta VaR Tools which allow you to achieve optimal results.



See VOLTA VAR TOOLS – Page 189

Volta Round Belts

Volta Belting Technology

Round section from 76-100 Shore 'A'. FDA/USDA grades availability.

Round Belts 1 – Sizes & Properties

	RFC	RL/RLC	RLW	RO	ROS	RLB
Hardness	76 A	80 A	80A	83 A	83 A	80 A
USDA/FDA	Yes	Yes	Yes	Yes	Yes	Yes
Temp. range	-40/+50°C	-40/+55°C	-40 /+55°C	-40/+55°C	-40/+55°C	-40 /+55°C
Coeff. friction (Steel)	0.65	0.55	0.55	0.55	0.55	0.55

Diameter mm (inch)	Min. pulley dia. (mm)	Pull force (1%) kg.	Min. pulley dia. (mm)	Pull force (1%) kg.	Min. pulley dia. (mm)	Pull force (0.5%) kg.	Min. pulley dia. (mm)	Pull force (1%) kg.	Min. pulley dia. (mm)	Pull force (0.3%) kg.	Min. pulley dia. (mm)	Pull force (1%) kg.
2 (5/64)	-	-	15	0.06	-	-	15	0.06	-	-	-	-
3 (1/8)	-	-	20	0.14	-	-	20	0.14	-	-	20	0.14
4 (5/32)	20	0.2	30	0.25	-	-	30	0.25	-	-	30	0.25
5 (3/16)	25	0.3	35	0.4	-	-	34	0.4	-	-	35	0.4
6 (15/64)	-	-	38*	0.55*	-	-	-	-	-	-	-	-
6.3 (1/4)	-	-	40	0.6	-	-	38	0.68	42	4.5	40	0.6
8 (5/16)	40	0.75	55	1	-	-	48	1.06	54	5	55	1
9.5 (3/8)	-	-	65	1.4	-	-	57	1.54	64	9.5	65	1.4
10 (25/64)	-	-	70	1.55	-	-	-	-	-	-	70	1.55
12.5 (1/2)	-	-	85	2.5	90	18	75	2.72	86	11.4	85	2.5
14 (9/16)	-	-	-	-	-	-	84	3.43	95	12.3	-	-
15 (19/32)	-	-	100	3.5	-	-	-	-	-	-	100	3.5
16 (5/8)	-	-	-	-	-	-	95	4.25	108	13.6	-	-
18 (23/32)	-	-	120	5.1	125	27	-	-	-	-	-	-
19 (3/4)	-	-	-	-	-	-	115	6.11	127	15	-	-
25 (1)	-	-	-	-	-	-	150	10.6	-	-	-	-

Food Approved Soft Material

Products	Colour	Hardness	Temperature range	CoF(Steel)	FDA
Round Profiles	TB Transparent Blue	72A	-40°C to +40°C	0.85	Yes
'V' Profiles					

* RLC Only

Volta Round Belts

Volta™ Belting Technology

Round section from 80-100 Shore 'A'. FDA/USDA grades availability.

Round Belts 2 – Sizes & Properties

	RPZ	RPZS	RPN/RPN-NT*	RPS	RPB	RPBS
Hardness	86 A	88 A	88 A	88 A	88A	88A
USDA/FDA	No	No	No	No	Yes	Yes
Temp. range	-20 /+50°C	-20 /+50°C	-30 /+80°C	-30 /+80°C	-30°C to +80°C	-30°C to +80°C
Coef. friction (Steel)	0.5	0.5	0.38	0.4	0.38	0.40

Diameter mm (inch)	Min. pulley dia. (mm)	Pull force (1%) kg.	Min. pulley dia. (mm)	Pull force (1%) kg.	Min. pulley dia. (mm)	Pull force (1%) kg.	Min. pulley dia. (mm)	Pull force (1%) kg.	Min. pulley dia. (mm)	Pull force (1%) kg.	Min. pulley dia. (mm)	Pull force (1%) kg.
2 (5/64)	-	-	-	-	19	0.13	-	-	19	0.13	-	-
3 (1/8)	-	-	-	-	29	0.31	-	-	29	0.31	-	-
4 (5/32)	-	-	-	-	38	0.54	-	-	38	0.54	-	-
5 (3/16)	45	0.8	-	-	48	0.85	50	11	48	0.85	-	-
6 (15/64)	54	1.16	-	-	57	1.22	60	16	57	1.22	60	16
6.3 (1/4)	-	-	-	-	-	-	-	-	-	-	-	-
7 (9/32)	-	-	-	-	67	1.67	70	18	-	-	-	-
8 (5/16)	72	2.05	-	-	76	2.18	80	19	76	2.18	80	19
9 (23/64)	-	-	-	-	86	2.75	90	21	-	-	-	-
9.5 (3/8)	-	-	-	-	-	-	-	-	-	-	-	-
10 (25/64)	89	3.2	95	19.5	95	3.4	100	22	95	3.4	100	22
12 (15/32)	108	4.56	112	23	114	4.9	120	26	114	4.9	120	26
12.5 (1/2)	-	-	-	-	-	-	-	-	-	-	-	-
14 (9/16)	-	-	-	-	-	-	-	-	-	-	-	-
15 (19/32)	135	7.25	140	24	143	7.65	150	27	143	7.65	150	27
18 (23/32)	-	-	-	-	171	11	180	37	171	11	-	-
19 (3/4)	-	-	-	-	-	-	-	-	-	-	-	-
20 (25/32)	-	-	-	-	190	13.6	-	-	-	-	-	-
25 (1)	-	-	-	-	-	-	-	-	-	-	-	-

* RPN-NT is a smooth finish Non Textured

Volta Round and Hollow Belts

Volta™ Belting Technology

Round section from 63 Shore 'D'-100 Shore 'A'. FDA/USDA grades availability.

Round Belts 3 – Sizes & Properties

	RM	RMS	RMW	RCW	RH
Hardness	90 A	90A	95 A	63 D	100 A
USDA/FDA	No	Yes	Yes	Yes	Yes
Temp. range	-30 /+60 °C	-30°C to +60°C	-30 /+60 °C	-20 /+75 °C	-20 /+75 °C
Coef. friction (Steel)	0.45	0.40	0.36	0.27	0.28

Diameter mm (inch)	Min. pulley dia. (mm)	Pull force (1%) kg.	Min. pulley dia. (mm)	Pull force (1%) kg.	Min. pulley dia. (mm)	Pull force (0.5%) kg.	Min. pulley dia. (mm)	Pull force (0.5%) kg.	Min. pulley dia. (mm)	Pull force (1%) kg.
2 (5/64)	20	0.26	-	-	-	-	-	-	40	0.6
3 (1/8)	30	0.6	-	-	-	-	-	-	60	1.4
4 (5/32)	40	1	40	1	-	-	-	-	80	2.5
5 (3/16)	50	1.6	-	-	-	-	-	-	100	3.9
6.3 (1/4)	60	2.6	60	2.6	75	10	100	13	125	6.2
8 (5/16)	80	4.2	80	4.2	95	17	-	-	160	10
9.5 (3/8)	95	5.9	-	-	110	18	150	20	190	14
12.5 (1/2)	125	10.1	-	-	150	28	200	21	250	16
15 (19/32)	150	14.6	150	14.6	175	30	-	-	300	23
18 (23/32)	180	21	-	-	210	32	-	-	360	34
20 (25/32)	200	25.9	-	-	-	-	-	-	-	-

Round Hollow Belts – Sizes & Properties

	RFC-HL	RO-HL	RPN-HL
Hardness	76 A	83 A	88 A / 37 D
USDA/FDA	Yes	Yes	No
Temp. range	-40 /+50°C	-40 /+55°C	-30 /+80°C
Coef. friction (Steel)	0.65	0.55	0.50

Size mm		Min. pulley dia. (mm)	Pull force (1%) kg.	Min. pulley dia. (mm)	Pull force (1%) kg.	Min. pulley dia. (mm)	Pull force (1%) kg.
O.D.	I.D.						
4.8	1.8	35	0.29	43	0.37	45	0.68
6.3	2.4	45	0.49	55	0.63	60	1.15
8	3.2	55	0.78	65	1.01	75	1.83
9.5	4	65	1.10	75	1.41	85	2.52
12.5	5.3	85	1.88	100	2.42	115	4.35
15	5.3	100	2.88	120	3.71	150	6.68
18	7.8	-	-	-	-	180	8.95
20	7.8	-	-	-	-	200	11.34

24hr Breakdown available · Customisable product · Product code builder · Compatible product

Volta V Belts

Volta Belting Technology

V section from 80-100 Shore 'A'. FDA/USDA grades availability.

V Belts 1 – Sizes & Properties

	VL /VLC	VLB	VLW	VPZ	VPZS	VPF
Hardness	80 A	80A	80 A	86 A / 35 D	86 A / 35 D	88 A / 37 D
USDA/FDA	Yes	Yes	Yes	No	No	Yes
Coeff. friction (Steel)	0.55	0.55	0.55	0.4	0.4	0.38
Temp. range	-40/+55°C	-40°C to 55°C	-40/+55°C	-20/+50°C	-20/+50°C	-30/+60°C

Size W x H (mm)	Min. pulley dia. (mm)	Pull force (1%) kg.	Min. pulley dia. (mm)	Pull force (1%) kg.	Min. pulley dia. (mm)	Pull force (0.5%) kg.	Min. pulley dia. (mm)	Pull force (1%) kg.	Min. pulley dia. (mm)	Pull force (1%) kg.	Min. pulley dia. (mm)	Pull force (1%) kg.
6Y = 6 x 4*	25	0.30	-	-	-	-	-	-	-	-	-	-
8/M = 8 x 5.2*	40	0.7	40	0.7	-	-	-	-	-	-	-	-
10/Z = 10 x 6.5	45	1	45	1	-	-	-	-	-	-	60	2.7
13/A = 13 x 8	50	1.6	50	1.6	50	12	72	3.3	88	26	76	3.5
17/B = 17 x 11.5	75	2.9	75	2.9	75	18	103	6.1	112	39	110	6.4
20 = 20 x 12.5*	85	3.9	-	-	-	-	-	-	-	-	-	-
22/C = 22 x 14.5	100	4.8	100	4.8	100	22	130	10	142	44	138	10.5
25 = 25 x 16.5*	110	6.3	-	-	-	-	-	-	-	-	155	16.8
32/D = 32 x 21.5*	145	10.4	-	-	145	24	-	-	-	-	-	-
40/E = 40 x 27*	180	16.3	-	-	-	-	-	-	-	-	-	-

*VL Only

V Belts 2 – Sizes & Properties

	VPFS	VM	VMS	VMW - Cogged	VMW-NK (Non-Cogged)
Hardness	88 A / 37 D	90 A / 40 D	90A/40D	95 A / 46 D	95 A / 46 D
USDA/FDA	Yes	No	Yes	Yes	Yes
Coeff. friction (Steel)	0.38	0.45	0.45	0.36	0.36
Temp. range	-30/+60°C	-30/+60°C	-30°C to 60°C	-30/+60°C	-30/+60°C

Size W x H (mm)	Min. pulley dia. (mm)	Pull force (1%) kg.	Min. pulley dia. (mm)	Pull force (1%) kg.	Min. pulley dia. (mm)	Pull force (1%) kg.	Min. pulley dia. (mm)	Pull force (0.5%) kg.	Min. pulley dia. (mm)	Pull force (0.5%) kg.
8/M = 8 x 5.2	-	-	60	3	-	-	-	-	-	-
10/Z = 10 x 6.5	-	-	65	4.1	65	4.1	-	-	75	12
13/A = 13 x 8	92	28	80	6.7	80	6.7	75	14	100	16
17/B = 17 x 11.5	118	43	115	12.1	115	12.1	100	27	140	30
20 = 20 x 12.5	-	-	125	15.9	-	-	-	-	-	-
22/C = 22 x 14.5	150	49	145	20	-	-	130	36	200	40
25 = 25 x 16.5	-	-	165	25.9	-	-	-	-	210	45
32/D = 32 x 21.5	-	-	215	43	-	-	-	-	270	55
40/E = 40 x 27	-	-	270	67.3	-	-	-	-	-	-

Volta V Belts

V section from 80-100 Shore 'A'. FDA/USDA grades availability.

V Belts 3 – Sizes & Properties

	VO	VO-GT	VOS	VH	VHB
Hardness	80 A	83 A	83 A	100 A / 55 D	100A/55D
USDA/FDA	Yes	Yes	Yes	Yes	Yes
Coeff. friction (Steel)	0.55	0.55	0.55	0.28	0.28
Temp. range	-40/+55°C	-40/+55°C	-40/+55°C	-20/+75°C	-20°C to 75°C

Size W x H (mm)	Min. pulley dia. (mm)	Pull force (1%) kg.	Min. pulley dia. (mm)	Pull force (1%) kg.	V section equiv.	Min. pulley dia. (mm)	Pull force (0.5%) kg.	Min. pulley dia. (mm)	Pull force (0.5%) kg.	Min. pulley dia. (mm)	Pull force (1%) kg.
6/Y = 6 x 4	-	-	-	-	Y	25	3.10	-	-	-	-
8/M = 8 x 5.2	-	-	-	-	-	-	-	125	4.8	-	-
9.5/3L = 9.5 x 5.5	45	0.9	-	-	3L	-	-	-	-	-	-
10/Z = 10 x 6.5	-	-	-	-	-	-	-	130	6.6	-	-
13/A = 13 x 8	50	1.6	-	-	A	53	12	160	10.7	160	10.70
17/B = 17 x 11.5	75	2.9	75	2.9	B	72	17	230	19.5	230	19.5
20 = 20 x 12.5	-	-	-	-	-	-	-	250	25.5	-	-
22/C = 22 x 14.5	100	4.6	100	4.6	C	100	22	290	32	290	32
25 = 25 x 16.5	-	-	-	-	-	-	-	330	41.5	-	-
32/D = 32 x 21.5	145	10.4	-	-	D	-	-	-	-	-	-

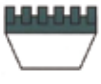
Double V Belts – Sizes & Properties

	DVL	DVLW	DVO	DVOS	DVM
Hardness	80 A	80 A	83 A	83 A	90 A / 40 D
USDA/FDA	Yes	Yes	Yes	Yes	No
Coeff. friction (Steel)	0.55	0.55	0.55	0.55	0.45
Temp. range	-40/+55°C	-40/+55°C	-40/+55°C	-40/+55°C	-30/+60°C

Size W (w) x H (mm)	Min. pulley dia. (mm)	Pull force (1%) kg.	Min. pulley dia. (mm)	Pull force (0.5%) kg.	Min. pulley dia. (mm)	Pull force (1%) kg.	Min. pulley dia. (mm)	Pull force (1%) kg.	Min. pulley dia. (mm)	Pull force (1%) kg.
Z = 24 (9.50) x 6.8	45	2	-	-	45	2	-	-	-	-
A = 30 (13.0) x 8.0	50	3.2	50	22	50	3.2	53	22	80	13.4

Backing for V Belts

Material with high coeffcient of friction. Available in thickness from 2mm to 6mm

FSTF (FOAM)	FEST (HIGH GRIP)	MST – 6 (MULTI GRIP)	GST – 4 (SUPERGRIP)
			

24hr Breakdown available
Customisable product
Product code builder
Compatible product

Volta Ridge Top Belts, Special Profiles, Roller Covers & Connecting Tubes

Volta™ Belting Technology

Ridge top section from 80-90 Shore 'A'. FDA/USDA grades availability.

Ridge Top Belts – Sizes & Properties

	VL-RT	VM-RT	VPF-RT	VPFS-RT	VLW-RT	YMF
Hardness	80 A	90 A / 40 D	88 A / 37 D	88 A / 37 D	80 A	90 A / 40 D
USDA/FDA	Yes	Yes	Yes	Yes	Yes	No
Coeff. friction (Steel)	0.55	0.45	0.38	0.38	0.55	0.45
Temp. range	-40/+55°C	-30/+60°C	-30/+60°C	-30/+60°C	-40/+55°C	-30/+60°C

Size W x H (mm)	Min. pulley dia. (mm)	Pull force (1%) kg.	Min. pulley dia. (mm)	Pull force (1%) kg.	Min. pulley dia. (mm)	Pull force (1%) kg.	Min. pulley dia. (mm)	Pull force (1%) kg.	Min. pulley dia. (mm)	Pull force (0.5%) kg.	Min. pulley dia. (mm)	Pull force (1%) kg.
13/A = 13 x 15.0	-	-	-	-	-	-	-	-	-	-	150	10
13/A = 13 x 16.0	110	2.7	160	11	-	-	-	-	110	16	-	-
17/B = 17 x 19.5	130	4.3	195	17.8	185	9.30	205	46	130	19	185	14.1
22/C = 22 x 24.5	190	7.9	285	32.5	235	14.30	250	52	165	38	250	28.9

Special profiles

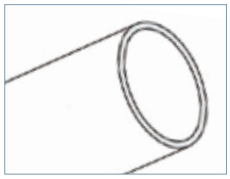
RPW	RHN	RMD-A.S	CL	VPO	CM	SO-T	TLW
Hardness: 88A	Hardness: 100A	Hardness: 92A	Hardness: 80A	Hardness: 95A	Hardness: 90A	Hardness: 80A	Hardness: 80A

TO-Crown	T-12	SH	SM-1400	SLC	SLC	SLC	SLC
Hardness: 83A	Hardness: 83A	Hardness: 100A	Hardness: 90A	Hardness: 80A	Hardness: 80A	Hardness: 80A	Hardness: 80A

Enquire about Volta Impression Top Belts and Special Volta Anti-Static Belts.
Volta can manufacture almost any profile to meet your special requests and needs.

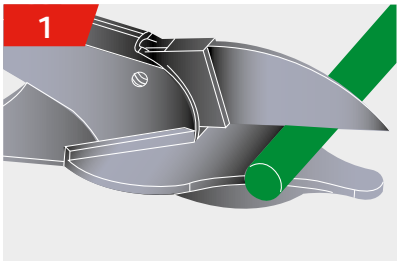
Roller Covers & Connecting Tubes

- Diameters 10mm to 120mm available
- Wall thickness from 1.5mm to 4mm-dependent on overall tube diameter
- Hardness 85 Shore 'A'

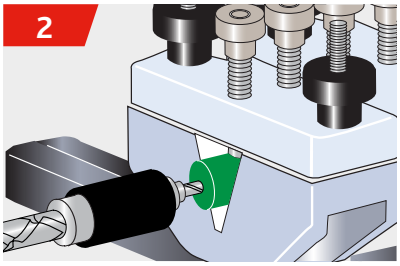


Volta VaR Tools

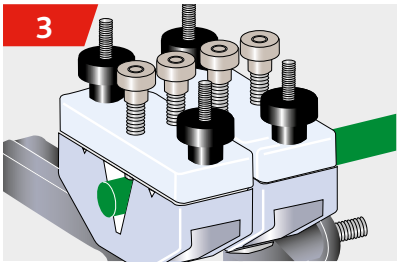
All Volta VaR (V and Round) belting can be easily welded, either on site or prior to installation. For optimal results, only use Volta VaR Tools.



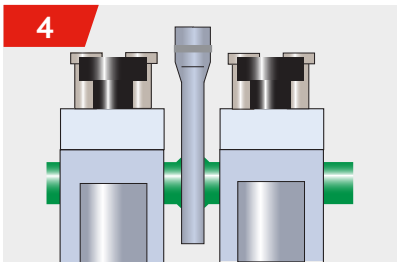
Cut profile to desired length. Clean profile surface and welding head with alcohol to remove dirt and grease.



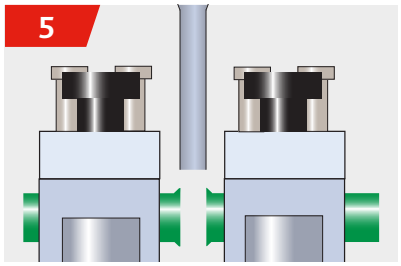
Pre-heat welder (W1 or W2) at least 10 minutes before use. For reinforced belts only. Clamp profile in pliers. Choose drill bit that matches the Polyester cord's diameter and drill out cord from both ends of the belt. Make sure you remove all the fibres.



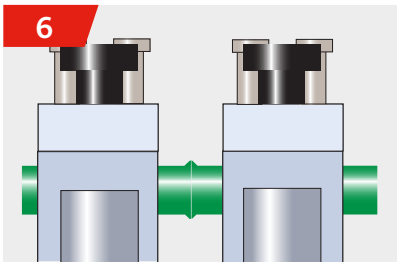
Clamp profile in appropriate groove, depending on profile size (I for round profiles 2-4mm, II for round profiles 3-8mm and III for round profiles 8mm or above and for V belts).



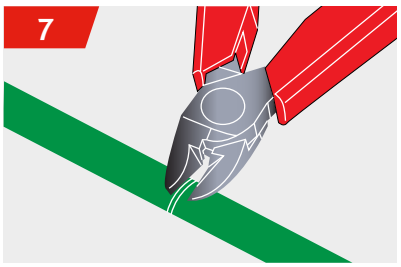
Place the heated welder head between the profile ends and close the pliers lightly until the profile ends melt equally and form approximately a 1mm bead.



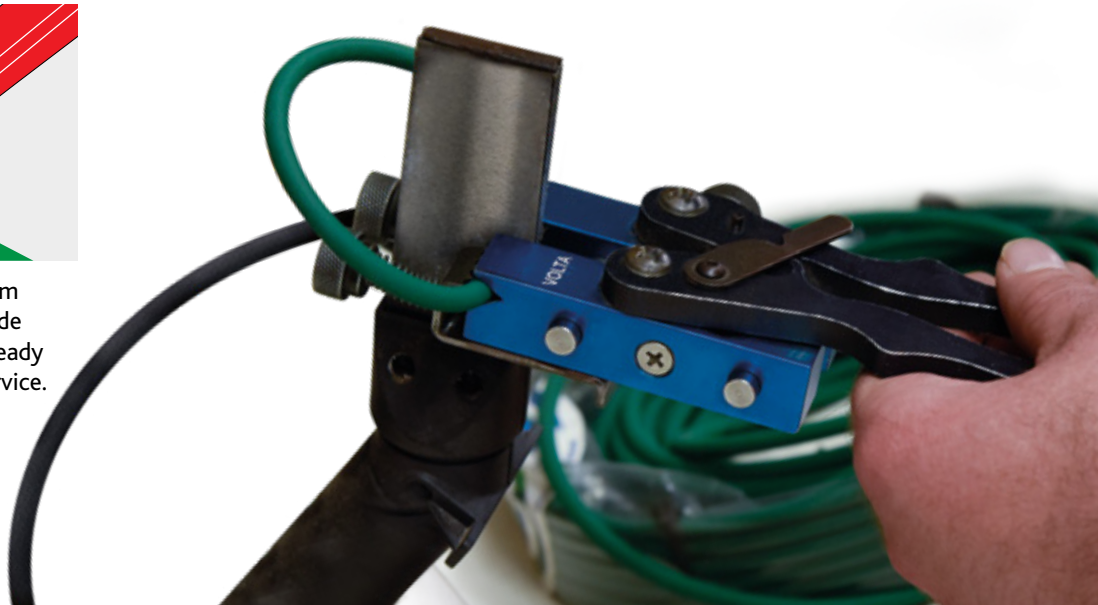
Open the pliers quickly and pull welder away. Avoid dragging melted material out of joint area.



Close pliers quickly but gently and tighten thumb screws. Depending on profile diameter, wait at least 10 minutes for welded area to cool down.



Release belt from pliers and trim welding flash from belt with side cutters. The Volta belt is now ready for long lasting and reliable service.



Volta VaR Tools



EZ Overlap Tool Kit

The EZ Overlap Kit is designed for use with reinforced VaR belting. The Tool provides a simple method of welding the ends of a belt with reinforcing cord overlapped. This eliminates the weak point inherent in butt welding. *The tool kit contains: welder, jig, forms, knife, carry case and drill.*



Mini VaR Tool Kit

The Mini VaR Tool Kit is designed for use with Round belts up to 10 mm (3/8") and V belts up to section A. Optional handles are available for use with the pliers. *The tool kit contains: welder, VaR belt cutter, mini-pliers and trimmers, in a wooden carry case.*



Lowe Belt Cutters

Designed to allow quality cutting of VaR profiles. The unique blade structure will provide a precise and quality cut.



Mini plier R-8

For clamping Round belts up to a maximum of 8mm (5/16") diameter.



Plier F-51

Can be used to weld:

- V belt sections ranging from 8/M to 32/D
- Round belt diameters ranging from 2mm - 20mm (1/8" - 3/4")
- Flat belts up to 50mm (2") wide.



Welder W-2 (110/220V/150W)

Is used for welding all V and Round belts, ranging from 80°A to 60°D.



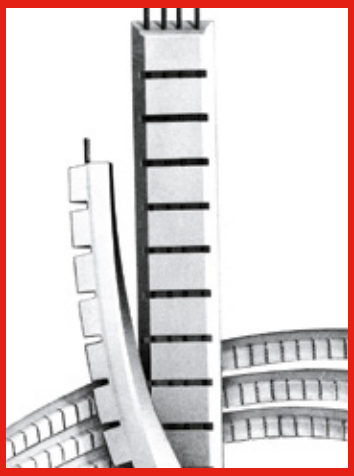
Drill Set D-11

(includes bits I, II, III)

Drill bit I, Drill bit II and Drill bit III are used to remove Polyester cord in reinforced VaR belts prior to welding.

FERROPAN®

FERROPAN® Friction Belts

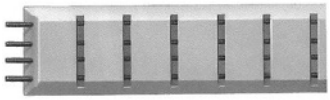


- STEEL REINFORCED
- HIGH FLEXIBILITY
- STRUCTURALLY STABLE
- SMALL PULLEYS
- HIGH PERFORMANCE STEEL TENSION MEMBERS
- MAINTENANCE FREE

Introduction

FERROPAN®

Standard



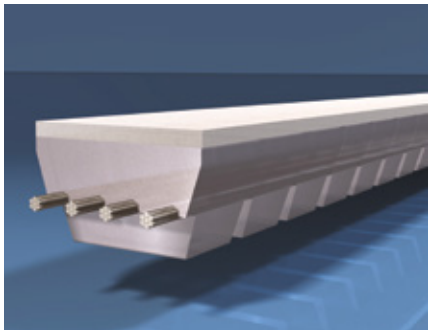
Conveyor V

Sections

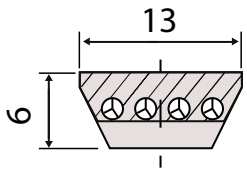
- 5 standard sections to DIN/ISO standards
- V angle = 38°
- Pulleys to DIN/ISO standards
- Joined (welded) or truly endless belts to any length

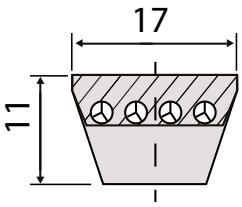
Properties

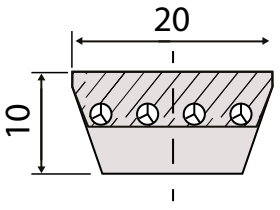
- Structurally stable
- High flexibility
- High fatigue resistance
- High performance PU body
- High performance Steel tension members
- Accurate sections
- Low pre-tension take-up
- Long life
- Oil & fat resistant
- Large temperature range
- Low temperature flexibility
- Small pulleys
- Low working elongation
- High abrasion resistance
- High tolerance lengths
- Maintenance-free



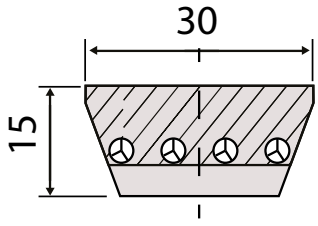
Profiles 13, 17, 20

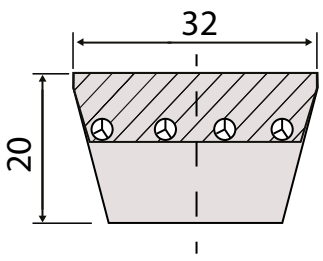






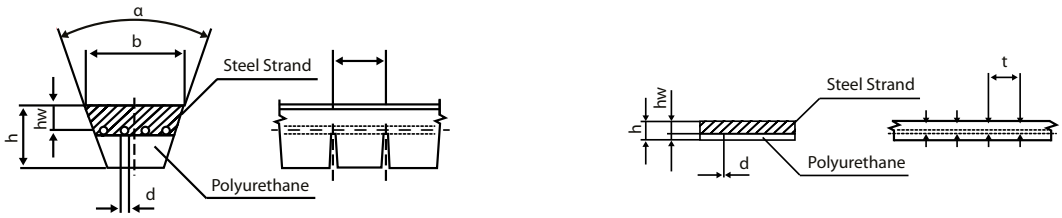
Profiles 30, 32





FERROPAN® Truly Endless

Standard



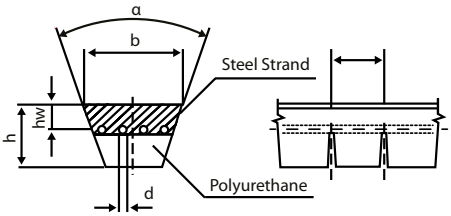
Truly Endless

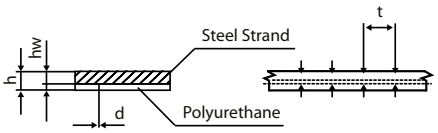
Type FLEX (continuous tension member)	Profile13	Profile 17	Profile 20	Profile 30	Profile 32	Flat belt (30 x 6)
Min. length Lw ±0.125% (mm)	2500	2500	2500	2500	2500	2000
Width b ±0.25 (mm)	13	17	20	30	32	30
Height h ±0.25 (mm)	6.5	11	10	15	20	6
Angle α	38°	38°	38°	38°	38°	90°
hw (mm)	3.25	4	5	9	8	3.7
Pitch t	8	10	10	15	15	10
Steel cord Ø (mm) d	0.9-E	1.2	1.2	2.5	2.5	0.6
For applications without reverse belt bending						
Min. pulley Ø (mm)	75	110	100	200	200	75
For applications with reverse belt bending						
Min. Ø inside V pulleys (mm)	100	160	150	250	250	100
Min. Ø outside flat pulleys (mm)	150	210	200	400	450	150
Max. working tensile load (N)	1000	1600	1600	3300	3300	1200
Breaking load (N)	3900	6400	6400	13200	13200	4800
Elongation @ max tensile (N)	0.40%	0.40%	0.40%	0.40%	0.40%	0.40%
Friction value μ on dry Steel	0.7	0.7	0.7	0.7	0.7	0.7
Temp. range °C	-40 to +80	-40 to +80	-40 to +80	-40 to +80	-40 to +80	-40 to +80
Oil and fat resistance	Very good	Very good	Very good	Very good	Very good	Very good
Tear and abrasion resistance	Very good	Very good	Very good	Very good	Very good	Very good
Approx. weight in kg/m	0.1	0.22	0.25	0.58	0.75	0.24

FERROPAN® Welded Belts

FERROPAN®

Standard





Welded belts

Type V (welded endless)	Profile13	Profile 17	Profile 20	Profile 30	Profile 32	Flat belt (30 x 6)
Min. length Lw ±0.125% (mm)	1200	1500	1600	2000	2500	850
Width b ±0.25 (mm)	13	17	20	30	32	30
Height h ±0.25 (mm)	6.5	11	10	15	20	6
Angle α	38°	38°	38°	38°	38°	90°
hw (mm)	3.25	4	5	9	8	3.7
Pitch t	8	10	10	15	15	10
Steel cord Ø (mm) d	0.9	1.2	1.2	2.5	2.5	0.6
Not recommended for applications with reverse belt bending						
Min. pulley Ø (mm)	75	110	100	200	200	75
Max. working tensile load (N)	400	800	800	2500	2500	600
Breaking load (N)	1800	3900	3900	12500	12500	4800
Elongation @ max tensile (N)	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%
Max. belt flexures per sec.	3	3	3	3	3	3
Friction value μ on dry Steel	0.7	0.7	0.7	0.7	0.7	0.7
Temp. range °C	-40 to +80	-40 to +80	-40 to +80	-40 to +80	-40 to +80	-40 to +80
Oil and fat resistance	Very good	Very good	Very good	Very good	Very good	Very good
Tear and abrasion resistance	Very good	Very good	Very good	Very good	Very good	Very good
Approx. weight in kg/m	0.1	0.22	0.25	0.58	0.75	0.24

HIGH EFFICIENCY
RUBBER TIMING BELTS

TRANSFLEX





HUNTING FOR THE BEST VALUE?

Over 1000 Metric, Imperial, Single and Double sided sizes.

Performance

- High strength and flexibility
- Uniform transmission of power
- Excellent transfer of belt tension
- Resistant to oil, tropics, UV and ozone
- Operating temperature range from –20 °C to +100 °C

Application

- Suitable for drives with an efficiency of 98%
- Ideal for compact drive designs
- Exploit low-cost, space efficient drives
- Compatibility
- Custom belt widths available
- Large stock of compatible High Torque Drive (HTD) timing pulleys
- Pulleys include pilot bore and taper lock bush type
- Rework of stock pulleys available

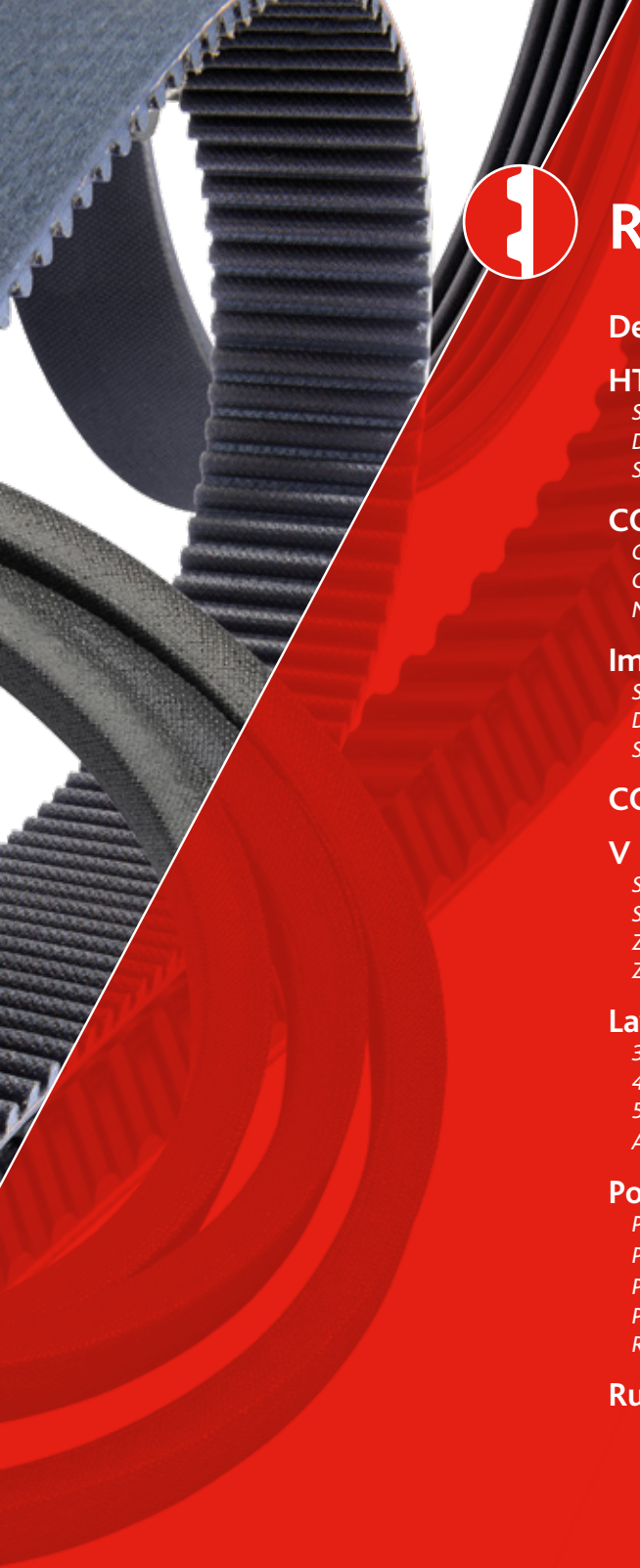


All sizes available ex stock

For **TRANSFLEX** see pages 197 & 219

BELTS PULLEYS CHAIN SPROCKETS GEARS BEARINGS LINEAR HARDWARE PLASTICS

TransDev®
THE POWER IN MOTION



RUBBER BELTS

Design Programs & Measurement Tools 196

HTD Rubber Series 197
- *Single Sided 3M, 5M, 8M, 14M HTD* 200
- *Double Sided 5M, 8M, 14M HTD* 208
- *Spiral Cut Open Length 3M, 5M, 8M HTD* 211

CONTI® SYNCHROFORCE 213
- *CXP 3M, 5M, 8M, 14M HTD/STD* 216
- *CXA 8M, 14M HTD/STD/CTD* 217
- *NEW CARBON 8M HTD/STD/CTD* 218

Imperial Rubber Series 219
- *Single Sided MXL, XL, L, H, XH* 222
- *Double Sided XL, L, H* 232
- *Spiral Cut Open Length MXL, XL, L, H* 235

CONTI® SilentSync 237

V Belts 241
- *SPZ, SPA, SPB, SPC Wedge Belts* 244
- *SPZ-X, SPA-X, SPB-X, SPC-X Raw Edge Moulded Cog Wedge Belts* . . . 247
- *Z, A, B, C Classical Wrapped* 249
- *ZX, AX, BX, CX Classical Raw Edge Moulded Cog* 253

Lawn & Garden Belts 257
- *3L* 261
- *4L* 262
- *5L* 264
- *AA, BB (HEX) Double Sided* 266

Poly V Drive Belts 267
- *PJ* 270
- *PK* 272
- *PL* 274
- *PM* 276
- *Roller Conveyor Belts* 1136

Rubber Flat Belts 277

CONTI® Professional



The CONTI® PROFESSIONAL software package replaces the popular CONTI® SUITE and enables specialists in trade and industry to determine the optimum ContiTech drive belt design. Conti Professional was launched in 2016. It is a web-based application that can be accessed via a browser. Users do not need to install it on their own computers and manage updates – as was the case with the earlier Conti Suite software.





The software's parameter-smart functional algorithm always ensures the greatest possible belt selection efficiency. ContiTech has developed the DRIVE ALIVE module for uncomplicated optimum design of drives involving more than two pulleys and tensioning systems. The multi-pulley module takes into account the load of a belt operating with multiple pulleys.

With the software it is possible to infinitely modify and adapt certain drive parameters. In this way alternative solutions and requirements can be tested and checked out promptly. The software is logically structured and processes data input directly so that changes can be made directly in the drive system without the need for fresh calculations. The software covers all positive and non-positive elastomer drive components.

After a one-off registration, customers can make use of the full familiar functionality in the new software, too. Different functionalities, familiar from the Transmission Designer and Drive Alive elements of Conti Suite, are merged into one application. This makes it even easier and more efficient. Other advantages are that the required number of pulleys can be selected, ranging from 2 to 20, and, once designed, projects are stored in the software. This means users can access their stored data at any time.

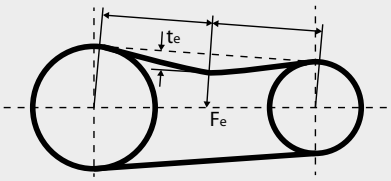
The use of Conti Professional is free of charge and commercial customers can register for the new software by visiting: www.conti-professional.com

V belt centre distance calculator

This is a simple program for calculating centre distance for a two pulley V belt or Poly V belt drive, when the pulley diameters and belt length are known. Alternatively when the centre distance is known it will calculate the belt length.

V Belt Tension gauge

Measurement of the belt tension is facilited by appropriate gauges, e.g. the V belt Tension Gauge. This gauge is used to measure the belt deflection that is driven from the calculated axle load F.



F_e = Test force (N) $t_e \frac{\text{Deflection}}{\text{Span Length}} 100$

To determine values for Fe and te please use the "Transmission Developments" software described above. Alternatively e-mail sales@transdev.co.uk with drive details.

V Belt length gauge

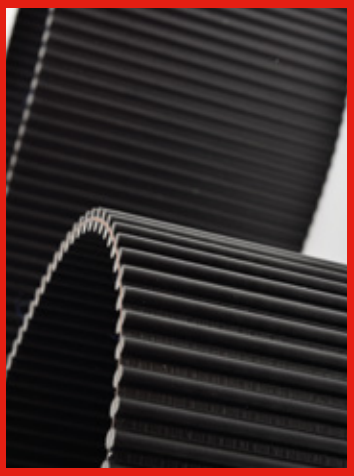
A simple way of determining the length of a V belt is to use a Length Gauge. This comprises two semicircular V belt supports, one of which can slide along a measuring scale.



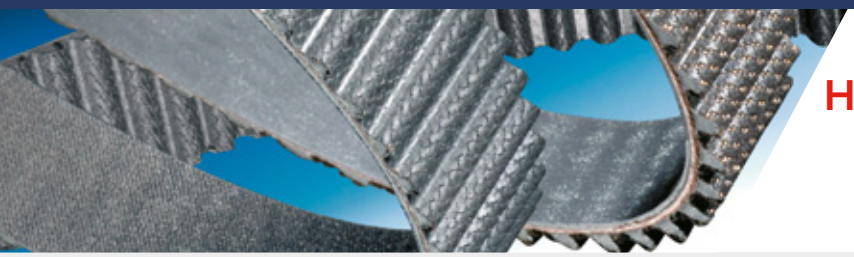
Continental

TRANSFLEX POWER

HTD Rubber Series



- HIGHER BELT LIFE
- EFFICIENCY OF 98%
- UV AND OZONE RESISTANT
- TEMPERATURE RANGE -20°C TO +100°C
- RUNS ON NORMAL HTD TIMING PULLEYS



HTD Rubber Timing Belts

ADVANCED EFFICIENCY
THAT LASTS LONGER

The HTD timing belt drive is an advancement on the Imperial trapezoidal toothform, resulting in a more uniform transmission of power when the teeth are in mesh.

With the CONTI® SYNCHROBELT and Transflex rubber belts TransDev offers TWO brands that together provide even more choice to buyers and users. Wherever the application and whatever the budget TransDev has a rubber belt to meet your exact requirements.

Premium quality from the leading German manufacturers.

The UK's largest range of rubber timing belts, providing uncompromising quality and value.

The HTD timing belt drive is an advancement on the Imperial trapezoidal toothform, resulting in a more uniform transmission of power when the teeth are in mesh.

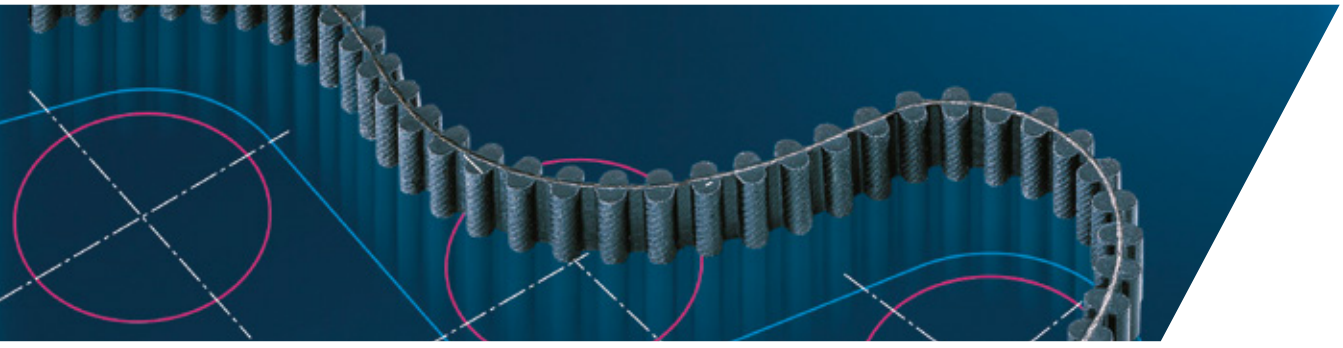
With better transfer of belt tension to the tension cords, a more uniform distribution of stresses within the tooth profile, the belt design results in increased torque transmission.

Small Centre Distance

High strength and flexibility allows the use of small pulley diameters, low centre distances and reverse bending idlers. High quality pulleys with pilot bored or taper lock design enable a low-cost, readily available drive setup, with less space requirement.

High efficiency

The superb flexural properties of the synchronous drive belt, as well as the exact dimensional mating of the belt and pulley tooth contours, permit drives with an efficiency of 98%.



Features

HTD rubber belts are resistant to:

- Oil, to a degree
- Tropics
- UV and ozone
- Temperatures ranging from –20°C to +100°C

Construction

Polychloroprene teeth and backing

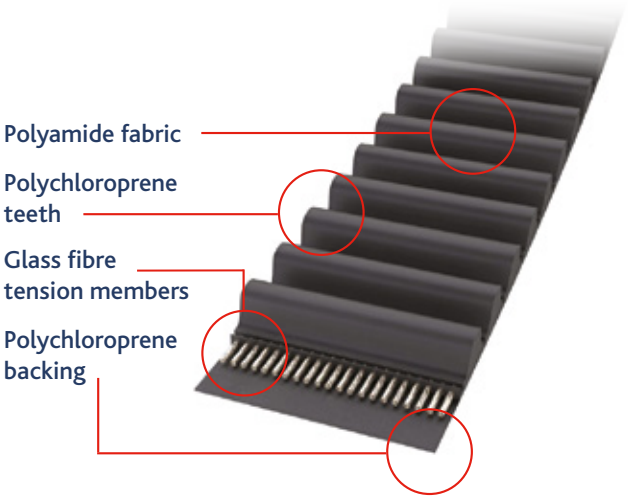
The teeth and the belt top are made from high strength Polychloroprene based elastomer materials. A special manufacturing process ensures an excellent adhesion, both on tensile member and on the facing fabric.

Glass tension member

Timing belt drives call for a high degree of length stability and tensile strength. The HTD belts have a low-elongation tensile member of Glass cord helically wound in opposing pairs over the entire belt width.

Polyamide fabric

Durable teeth protection is provided with an abrasion-resistant Polyamide fabric, with a low coefficient of friction.



HTD belt codes

960 8M 30 HTD TFLEX

Length (mm)
Toothform & pitch
Overall width (mm)
Belt style
Brand

(Belt code suffixed with brand for Transflex belts only)

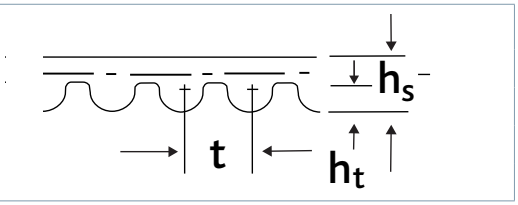
Standard specifications

Width See relevant standard width table[1)]
Toothforms Available 3M, 5M, 8M, 14M
Material Black Rubber, Glass cords

1) Other dimensions upon request

For any features required, but not listed above please contact: sales@transdev.co.uk

Pitch		3M	5M	8M	14M
Tooth pitch (t)	mm	3	5	8	14
Belt thickness (h_s)	mm	2.4	3.6	5.6	10
Tooth height (h_t)	mm	1.2	2.1	3.4	6.1
Belt weight*	kg/m/mm	0.0024	0.0037	0.0056	0.0101



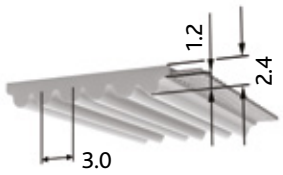
* Kg per metre belt length per mm belt width

3M HTD Timing Belts

Continental

Rubber back/teeth, Glass fibre reinforced, Nylon fabric tooth facing.

Standard



3M HTD

Standard widths – other widths on request		
6mm	9mm	15mm

Standard stock lengths

Belt ref.	Length (mm)	No. teeth
105-3M	105	35
111-3M	111	37
129-3M	129	43
141-3M	141	47
144-3M	144	48
150-3M	150	50
159-3M	159	53
168-3M	168	56
174-3M	174	58
177-3M	177	59
180-3M	180	60
186-3M	186	62
195-3M	195	65
201-3M	201	67
204-3M	204	68
210-3M	210	70
213-3M	213	71
216-3M	216	72
225-3M	225	75
240-3M	240	80
243-3M	243	81
252-3M	252	84
255-3M	255	85
264-3M	264	88
267-3M	267	89

Belt ref.	Length (mm)	No. teeth
276-3M	276	92
285-3M	285	95
288-3M	288	96
291-3M	291	97
300-3M	300	100
312-3M	312	104
318-3M	318	106
330-3M	330	110
336-3M	336	112
339-3M	339	113
345-3M	345	115
357-3M	357	119
363-3M	363	121
375-3M	375	125
384-3M	384	128
390-3M	390	130
405-3M	405	135
420-3M	420	140
447-3M	447	149
474-3M	474	158
480-3M	480	160
486-3M	486	162
501-3M	501	167
510-3M	510	170
513-3M	513	171

Belt ref.	Length (mm)	No. teeth
522-3M	522	174
531-3M	531	177
537-3M	537	179
564-3M	564	188
570-3M	570	190
597-3M	597	199
600-3M	600	200
606-3M	606	202
633-3M	633	211
648-3M	648	216
669-3M	669	223
711-3M	711	237
738-3M	738	246
756-3M	756	252
882-3M	882	294
945-3M	945	315
1062-3M	1062	354
1125-3M	1125	375
1245-3M	1245	415
1263-3M	1263	421
1530-3M	1530	510
1569-3M	1569	523
1863-3M	1863	621

3M HTD TRANSFLEX Timing Belts

TRANSFLEX POWER

Standard widths – other widths on request		
6mm	9mm	15mm

Standard stock lengths

Belt ref.	Length (mm)	No. teeth
105-3MTFLEX	105	35
111-3MTFLEX	111	37
117-3MTFLEX	117	39
129-3MTFLEX	129	43
141-3MTFLEX	141	47
144-3MTFLEX	144	48
150-3MTFLEX	150	50
156-3MTFLEX	156	52
159-3MTFLEX	159	53
165-3MTFLEX	165	55
168-3MTFLEX	168	56
174-3MTFLEX	174	58
177-3MTFLEX	177	59
180-3MTFLEX	180	60
186-3MTFLEX	186	62
192-3MTFLEX	192	64
195-3MTFLEX	195	65
201-3MTFLEX	201	67
204-3MTFLEX	204	68
207-3MTFLEX	207	69
210-3MTFLEX	210	70
213-3MTFLEX	213	71
216-3MTFLEX	216	72
225-3MTFLEX	225	75
231-3MTFLEX	231	77
240-3MTFLEX	240	80
243-3MTFLEX	243	81
246-3MTFLEX	246	82
252-3MTFLEX	252	84
255-3MTFLEX	255	85
261-3MTFLEX	261	87
264-3MTFLEX	264	88
267-3MTFLEX	267	89
270-3MTFLEX	270	90

Belt ref.	Length (mm)	No. teeth
276-3MTFLEX	276	92
285-3MTFLEX	285	95
288-3MTFLEX	288	96
291-3MTFLEX	291	97
294-3MTFLEX	294	98
300-3MTFLEX	300	100
312-3MTFLEX	312	104
315-3MTFLEX	315	105
318-3MTFLEX	318	106
321-3MTFLEX	321	107
330-3MTFLEX	330	110
336-3MTFLEX	336	112
339-3MTFLEX	339	113
345-3MTFLEX	345	115
351-3MTFLEX	351	117
357-3MTFLEX	357	119
363-3MTFLEX	363	121
372-3MTFLEX	372	124
384-3MTFLEX	384	128
390-3MTFLEX	390	130
393-3MTFLEX	393	131
396-3MTFLEX	396	132
405-3MTFLEX	405	135
420-3MTFLEX	420	140
432-3MTFLEX	432	144
435-3MTFLEX	435	145
447-3MTFLEX	447	149
462-3MTFLEX	462	154
474-3MTFLEX	474	158
477-3MTFLEX	477	159
480-3MTFLEX	480	160
486-3MTFLEX	486	162
489-3MTFLEX	489	163
495-3MTFLEX	495	165

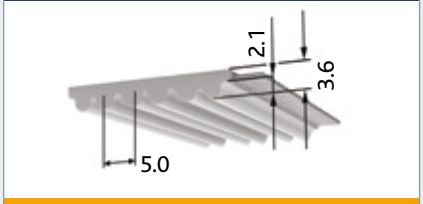
Belt ref.	Length (mm)	No. teeth
501-3MTFLEX	501	167
510-3MTFLEX	510	170
513-3MTFLEX	513	171
522-3MTFLEX	522	174
525-3MTFLEX	525	175
531-3MTFLEX	531	177
537-3MTFLEX	537	179
564-3MTFLEX	564	188
570-3MTFLEX	570	190
597-3MTFLEX	597	199
600-3MTFLEX	600	200
606-3MTFLEX	606	202
612-3MTFLEX	612	204
633-3MTFLEX	633	211
648-3MTFLEX	648	216
669-3MTFLEX	669	223
687-3MTFLEX	687	229
708-3MTFLEX	708	236
711-3MTFLEX	711	237
738-3MTFLEX	738	246
753-3MTFLEX	753	251
756-3MTFLEX	756	252
804-3MTFLEX	804	268
960-3MTFLEX	960	320
1062-3MTFLEX	1062	354
1071-3MTFLEX	1071	357
1125-3MTFLEX	1125	375
1245-3MTFLEX	1245	415
1263-3MTFLEX	1263	421
1530-3MTFLEX	1530	510
1569-3MTFLEX	1569	523
1863-3MTFLEX	1863	621

5M HTD Timing Belts

Continental

Rubber back/teeth, Glass fibre reinforced, Nylon fabric tooth facing.

Standard



5M HTD

Standard widths – other widths on request		
9mm	15mm	25mm

Standard stock lengths

Belt ref.	Length (mm)	No. teeth
225-5M	225	45
245-5M	245	49
255-5M	255	51
265-5M	265	53
270-5M	270	54
285-5M	285	57
295-5M	295	59
300-5M	300	60
305-5M	305	61
325-5M	325	65
330-5M	330	66
340-5M	340	68
345-5M	345	69
350-5M	350	70
375-5M	375	75
400-5M	400	80
420-5M	420	84
425-5M	425	85
450-5M	450	90
455-5M	455	91
460-5M	460	92
475-5M	475	95
500-5M	500	100
525-5M	525	105

Belt ref.	Length (mm)	No. teeth
535-5M	535	107
550-5M	550	110
565-5M	565	113
575-5M	575	115
580-5M	580	116
600-5M	600	120
610-5M	610	122
615-5M	615	123
630-5M	630	126
635-5M	635	127
640-5M	640	128
665-5M	665	133
670-5M	670	134
700-5M	700	140
705-5M	705	141
710-5M	710	142
740-5M	740	148
750-5M	750	150
755-5M	755	151
800-5M	800	160
835-5M	835	167
850-5M	850	170
890-5M	890	178
900-5M	900	180

Belt ref.	Length (mm)	No. teeth
925-5M	925	185
935-5M	935	187
950-5M	950	190
980-5M	980	196
1000-5M	1000	200
1050-5M	1050	210
1100-5M	1100	220
1125-5M	1125	225
1195-5M	1195	239
1200-5M	1200	240
1240-5M	1240	248
1270-5M	1270	254
1350-5M	1350	270
1420-5M	1420	284
1500-5M	1500	300
1595-5M	1595	319
1690-5M	1690	338
1790-5M	1790	358
1800-5M	1800	360
1895-5M	1895	379
2000-5M	2000	400
2525-5M	2525	505

5M HTD TRANSFLEX Timing Belts



TRANSFLEX POWER

Standard widths – other widths on request			
6mm	9mm	15mm	25mm

Standard stock lengths

Belt ref.	Length (mm)	No. teeth
225-5MTFLEX	225	45
235-5MTFLEX	235	47
245-5MTFLEX	245	49
255-5MTFLEX	255	51
265-5MTFLEX	265	53
270-5MTFLEX	270	54
275-5MTFLEX	275	55
285-5MTFLEX	285	57
295-5MTFLEX	295	59
300-5MTFLEX	300	60
305-5MTFLEX	305	61
320-5MTFLEX	320	64
325-5MTFLEX	325	65
330-5MTFLEX	330	66
335-5MTFLEX	335	67
345-5MTFLEX	345	69
350-5MTFLEX	350	70
360-5MTFLEX	360	72
365-5MTFLEX	365	73
375-5MTFLEX	375	75
385-5MTFLEX	385	77
390-5MTFLEX	390	78
400-5MTFLEX	400	80
405-5MTFLEX	405	81
420-5MTFLEX	420	84
425-5MTFLEX	425	85
450-5MTFLEX	450	90
455-5MTFLEX	455	91
460-5MTFLEX	460	92
465-5MTFLEX	465	93
475-5MTFLEX	475	95
490-5MTFLEX	490	98
500-5MTFLEX	500	100

Belt ref.	Length (mm)	No. teeth
510-5MTFLEX	510	102
520-5MTFLEX	520	104
525-5MTFLEX	525	105
535-5MTFLEX	535	107
540-5MTFLEX	540	108
550-5MTFLEX	550	110
565-5MTFLEX	565	113
575-5MTFLEX	575	115
580-5MTFLEX	580	116
600-5MTFLEX	600	120
610-5MTFLEX	610	122
615-5MTFLEX	615	123
620-5MTFLEX	620	124
625-5MTFLEX	625	125
630-5MTFLEX	630	126
635-5MTFLEX	635	127
640-5MTFLEX	640	128
645-5MTFLEX	645	129
665-5MTFLEX	665	133
670-5MTFLEX	670	134
675-5MTFLEX	675	135
700-5MTFLEX	700	140
705-5MTFLEX	705	141
710-5MTFLEX	710	142
740-5MTFLEX	740	148
750-5MTFLEX	750	150
755-5MTFLEX	755	151
770-5MTFLEX	770	154
775-5MTFLEX	775	155
790-5MTFLEX	790	158
800-5MTFLEX	800	160
835-5MTFLEX	835	167
840-5MTFLEX	840	168

Belt ref.	Length (mm)	No. teeth
850-5MTFLEX	850	170
860-5MTFLEX	860	172
890-5MTFLEX	890	178
900-5MTFLEX	900	180
925-5MTFLEX	925	185
935-5MTFLEX	935	187
940-5MTFLEX	940	188
945-5MTFLEX	945	189
950-5MTFLEX	950	190
980-5MTFLEX	980	196
1000-5MTFLEX	1000	200
1035-5MTFLEX	1035	207
1050-5MTFLEX	1050	210
1125-5MTFLEX	1125	225
1135-5MTFLEX	1135	227
1145-5MTFLEX	1145	229
1200-5MTFLEX	1200	240
1240-5MTFLEX	1240	248
1270-5MTFLEX	1270	254
1350-5MTFLEX	1350	270
1420-5MTFLEX	1420	284
1500-5MTFLEX	1500	300
1595-5MTFLEX	1595	319
1690-5MTFLEX	1690	338
1790-5MTFLEX	1790	358
1800-5MTFLEX	1800	360
1895-5MTFLEX	1895	379
1945-5MTFLEX	1945	389
2000-5MTFLEX	2000	400
2250-5MTFLEX	2250	450
2525-5MTFLEX	2525	505

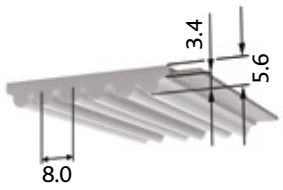
8M HTD Timing Belts

24 | 199 | 368 | 382

Continental

Rubber back/teeth, Glass fibre reinforced, Nylon fabric tooth facing.

Standard



8M HTD

Standard widths – other widths on request			
20mm	30mm	50mm	85mm

Standard stock lengths

Belt ref.	Length (mm)	No. teeth
424-8M	424	53
480-8M	480	60
536-8M	536	67
560-8M	560	70
600-8M	600	75
632-8M	632	79
640-8M	640	80
656-8M	656	82
680-8M	680	85
720-8M	720	90
800-8M	800	100
840-8M	840	105
856-8M	856	107
880-8M	880	110
920-8M	920	115
960-8M	960	120
1040-8M	1040	130
1080-8M	1080	135
1120-8M	1120	140

Belt ref.	Length (mm)	No. teeth
1160-8M	1160	145
1200-8M	1200	150
1224-8M	1224	153
1280-8M	1280	160
1360-8M	1360	170
1440-8M	1440	180
1600-8M	1600	200
1760-8M	1760	220
1800-8M	1800	225
2000-8M	2000	250
2248-8M	2248	281
2400-8M	2400	300
2600-8M	2600	325
2800-8M	2800	350
3048-8M	3048	381
3280-8M	3280	410
3600-8M	3600	450
4400-8M	4400	550



8M HTD TRANSFLEX Timing Belts



TRANSFLEX POWER

Standard widths – other widths on request			
20mm	30mm	50mm	85mm

Standard stock lengths

Belt ref.	Length (mm)	No. teeth
352-8MTFLEX	352	44
376-8MTFLEX	376	47
400-8MTFLEX	400	50
416-8MTFLEX	416	52
424-8MTFLEX	424	53
472-8MTFLEX	472	59
480-8MTFLEX	480	60
512-8MTFLEX	512	64
520-8MTFLEX	520	65
536-8MTFLEX	536	67
560-8MTFLEX	560	70
576-8MTFLEX	576	72
600-8MTFLEX	600	75
624-8MTFLEX	624	78
632-8MTFLEX	632	79
640-8MTFLEX	640	80
656-8MTFLEX	656	82
680-8MTFLEX	680	85
688-8MTFLEX	688	86
712-8MTFLEX	712	89
720-8MTFLEX	720	90
760-8MTFLEX	760	95
776-8MTFLEX	776	97
784-8MTFLEX	784	98
800-8MTFLEX	800	100
840-8MTFLEX	840	105
848-8MTFLEX	848	106
856-8MTFLEX	856	107
880-8MTFLEX	880	110
896-8MTFLEX	896	112

Belt ref.	Length (mm)	No. teeth
912-8MTFLEX	912	114
920-8MTFLEX	920	115
936-8MTFLEX	936	117
960-8MTFLEX	960	120
984-8MTFLEX	984	123
1000-8MTFLEX	1000	125
1016-8MTFLEX	1016	127
1032-8MTFLEX	1032	129
1040-8MTFLEX	1040	130
1064-8MTFLEX	1064	133
1080-8MTFLEX	1080	135
1096-8MTFLEX	1096	137
1120-8MTFLEX	1120	140
1160-8MTFLEX	1160	145
1176-8MTFLEX	1176	147
1184-8MTFLEX	1184	148
1192-8MTFLEX	1192	149
1200-8MTFLEX	1200	150
1216-8MTFLEX	1216	152
1224-8MTFLEX	1224	153
1248-8MTFLEX	1248	156
1256-8MTFLEX	1256	157
1264-8MTFLEX	1264	158
1280-8MTFLEX	1280	160
1304-8MTFLEX	1304	163
1328-8MTFLEX	1328	166
1344-8MTFLEX	1344	168
1360-8MTFLEX	1360	170
1392-8MTFLEX	1392	174
1400-8MTFLEX	1400	175

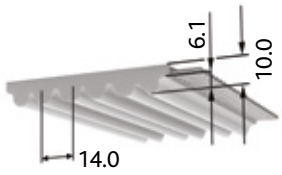
Belt ref.	Length (mm)	No. teeth
1424-8MTFLEX	1424	178
1432-8MTFLEX	1432	179
1440-8MTFLEX	1440	180
1464-8MTFLEX	1464	183
1480-8MTFLEX	1480	185
1520-8MTFLEX	1520	190
1552-8MTFLEX	1552	194
1600-8MTFLEX	1600	200
1680-8MTFLEX	1680	210
1696-8MTFLEX	1696	212
1728-8MTFLEX	1728	216
1760-8MTFLEX	1760	220
1800-8MTFLEX	1800	225
1880-8MTFLEX	1880	235
1904-8MTFLEX	1904	238
2000-8MTFLEX	2000	250
2080-8MTFLEX	2080	260
2200-8MTFLEX	2200	275
2248-8MTFLEX	2248	281
2400-8MTFLEX	2400	300
2504-8MTFLEX	2504	313
2520-8MTFLEX	2520	315
2600-8MTFLEX	2600	325
2800-8MTFLEX	2800	350
3048-8MTFLEX	3048	381
3200-8MTFLEX	3200	400
3280-8MTFLEX	3280	410
3600-8MTFLEX	3600	450
4400-8MTFLEX	4400	550

14M HTD Timing Belts

24 199 372 386

Continental

Rubber back/teeth, Glass fibre reinforced, Nylon fabric tooth facing.

Standard

14M HTD

Standard widths – other widths on request				
40mm	55mm	85mm	115mm	170mm

Standard stock lengths		
Belt ref.	Length (mm)	No. teeth
966-14M	966	69
1190-14M	1190	85
1400-14M	1400	100
1610-14M	1610	115
1764-14M	1764	126
1778-14M	1778	127
1890-14M	1890	135
2100-14M	2100	150
2310-14M	2310	165
2450-14M	2450	175
2590-14M	2590	185
2800-14M	2800	200
3150-14M	3150	225
3360-14M	3360	240
3500-14M	3500	250
3850-14M	3850	275
4326-14M	4326	309
4578-14M	4578	327

14M HTD TRANSFLEX Timing Belts

TRANSFLEX POWER

Standard widths – other widths on request				
40mm	55mm	85mm	115mm	170mm

Standard stock lengths

Belt ref.	Length (mm)	No. teeth
966-14MTFLEX	966	69
1190-14MTFLEX	1190	85
1260-14MTFLEX	1260	90
1344-14MTFLEX	1344	96
1400-14MTFLEX	1400	100
1512-14MTFLEX	1512	108
1610-14MTFLEX	1610	115
1764-14MTFLEX	1764	126
1778-14MTFLEX	1778	127
1890-14MTFLEX	1890	135
1904-14MTFLEX	1904	136
1960-14MTFLEX	1960	140
2100-14MTFLEX	2100	150
2310-14MTFLEX	2310	165
2450-14MTFLEX	2450	175
2590-14MTFLEX	2590	185
2800-14MTFLEX	2800	200
3150-14MTFLEX	3150	225
3360-14MTFLEX	3360	240
3500-14MTFLEX	3500	250
3850-14MTFLEX	3850	275
4326-14MTFLEX	4326	309
4578-14MTFLEX	4578	327
4956-14MTFLEX	4956	354



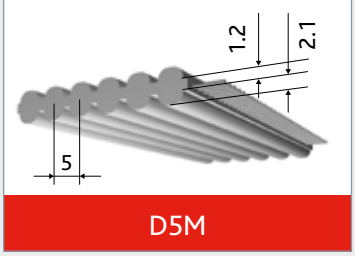
See HTD Series Pulleys – Page 360 & 378

D5M HTD Double Sided Timing Belts

TRANSFLEX POWER

Rubber back/teeth, Glass fibre reinforced, Nylon fabric tooth facing.

Standard



D5M

Standard widths – other widths on request		
9mm	15mm	25mm

Standard stock lengths

Belt ref.	Length (mm)	No. teeth
DD565-5M	565	113
DD635-5M	635	127
DD665-5M	665	133
DD675-5M	675	135
DD700-5M	700	140
DD710-5M	710	142
DD725-5M	725	145
DD740-5M	740	148
DD755-5M	755	151
DD800-5M	800	160
DD835-5M	835	167
DD850-5M	850	170
DD890-5M	890	178
DD900-5M	900	180
DD925-5M	925	185

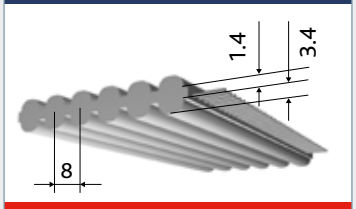
Belt ref.	Length (mm)	No. teeth
DD940-5M	940	188
DD950-5M	950	190
DD980-5M	980	196
DD1000-5M	1000	200
DD1050-5M	1050	210
DD1125-5M	1125	225
DD1195-5M	1195	239
DD1240-5M	1240	248
DD1270-5M	1270	254
DD1420-5M	1420	284
DD1500-5M	1500	300
DD1595-5M	1595	319
DD1690-5M	1690	338
DD1790-5M	1790	358
DD1895-5M	1895	379

D8M HTD Double Sided Timing Belts

TRANSFLEX POWER

Rubber back/teeth, Glass fibre reinforced, Nylon fabric tooth facing.

Standard



D8M

Standard widths – other widths on request			
20mm	30mm	50mm	85mm

Standard stock lengths

Belt ref.	Length (mm)	No. teeth
DD600-8M	600	75
DD624-8M	624	78
DD632-8M	632	79
DD640-8M	640	80
DD656-8M	656	82
DD680-8M	680	85
DD720-8M	720	90
DD776-8M	776	97
DD784-8M	784	98
DD800-8M	800	100
DD840-8M	840	105
DD880-8M	880	110
DD920-8M	920	115
DD960-8M	960	120
DD1040-8M	1040	130
DD1120-8M	1120	140
DD1200-8M	1200	150
DD1280-8M	1280	160

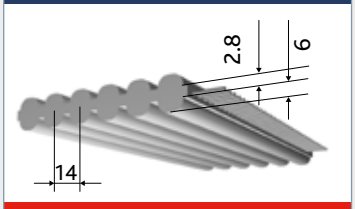
Belt ref.	Length (mm)	No. teeth
DD1304-8M	1304	163
DD1328-8M	1328	166
DD1352-8M	1352	169
DD1360-8M	1360	170
DD1424-8M	1424	178
DD1440-8M	1440	180
DD1600-8M	1600	200
DD1760-8M	1760	220
DD1800-8M	1800	225
DD2000-8M	2000	250
DD2400-8M	2400	300
DD2520-8M	2520	315
DD2600-8M	2600	325
DD2800-8M	2800	350
DD3048-8M	3048	381
DD3280-8M	3280	410
DD3600-8M	3600	450
DD4400-8M	4400	550

D14M HTD Double Sided Timing Belts

199 372 386

Rubber back/teeth, Glass fibre reinforced, Nylon fabric tooth facing.

Standard



D14M



Standard widths – other widths on request				
40mm	55mm	85mm	115mm	170mm

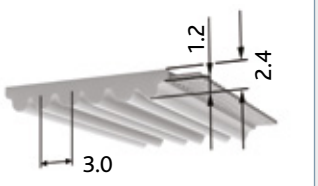
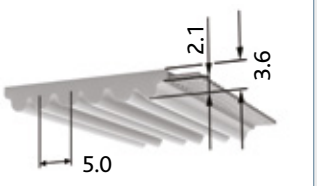
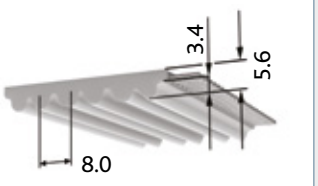
Standard stock lengths

Belt ref.	Length (mm)	No. teeth
DD966-14M	966	69
DD1190-14M	1190	85
DD1400-14M	1400	100
DD1610-14M	1610	115
DD1764-14M	1764	126
DD1778-14M	1778	127
DD1890-14M	1890	135
DD2100-14M	2100	150
DD2310-14M	2310	165
DD2450-14M	2450	175
DD2590-14M	2590	185
DD2800-14M	2800	200
DD3150-14M	3150	225
DD3360-14M	3360	240
DD3500-14M	3500	250
DD3850-14M	3850	275
DD4326-14M	4326	309
DD4578-14M	4578	327
DD4956-14M	4956	354

Spiral Cut HTD Open Length Belting

Continental

Rubber back/teeth, Glass fibre reinforced, Nylon fabric tooth facing.

Standard	Standard	Standard
		
3M HTD	5M HTD	8M HTD

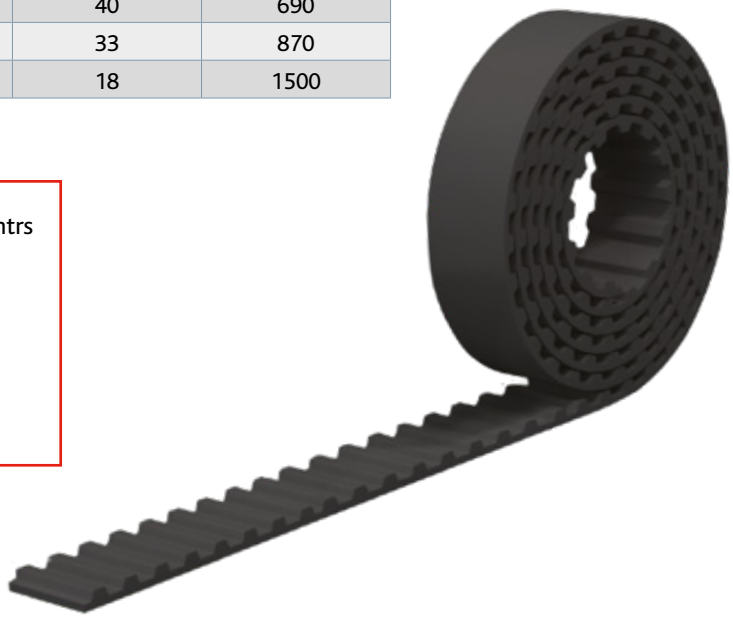
Standard stock lengths

Belt type	Pitch (mm)	Width (mm)	Reel length (m)	Working load (N)
HTD 3M	3	6	55	50
	3	9	36	80
	3	12	27	110
	3	15	21	145
HTD 5M	5	9	73	120
	5	12	54	160
	5	15	43	230
	5	20	31	300
	5	25	25	410
HTD 8M	8	15	70	410
	8	20	52	550
	8	25	40	690
	8	30	33	870
	8	50	18	1500

Spiral Cut HTD belt codes

8M - 30 x 33mtrs

- Toothform & pitch
- Overall width (mm)
- Reel Length (mtrs)



CONTI® SYNCHROCHAIN
CONTI® SYNCHROCHAIN CARBON

Continental



NOTHING STANDS IN ITS WAY

Discover strength, speed and high performance when you need it most.

Performance

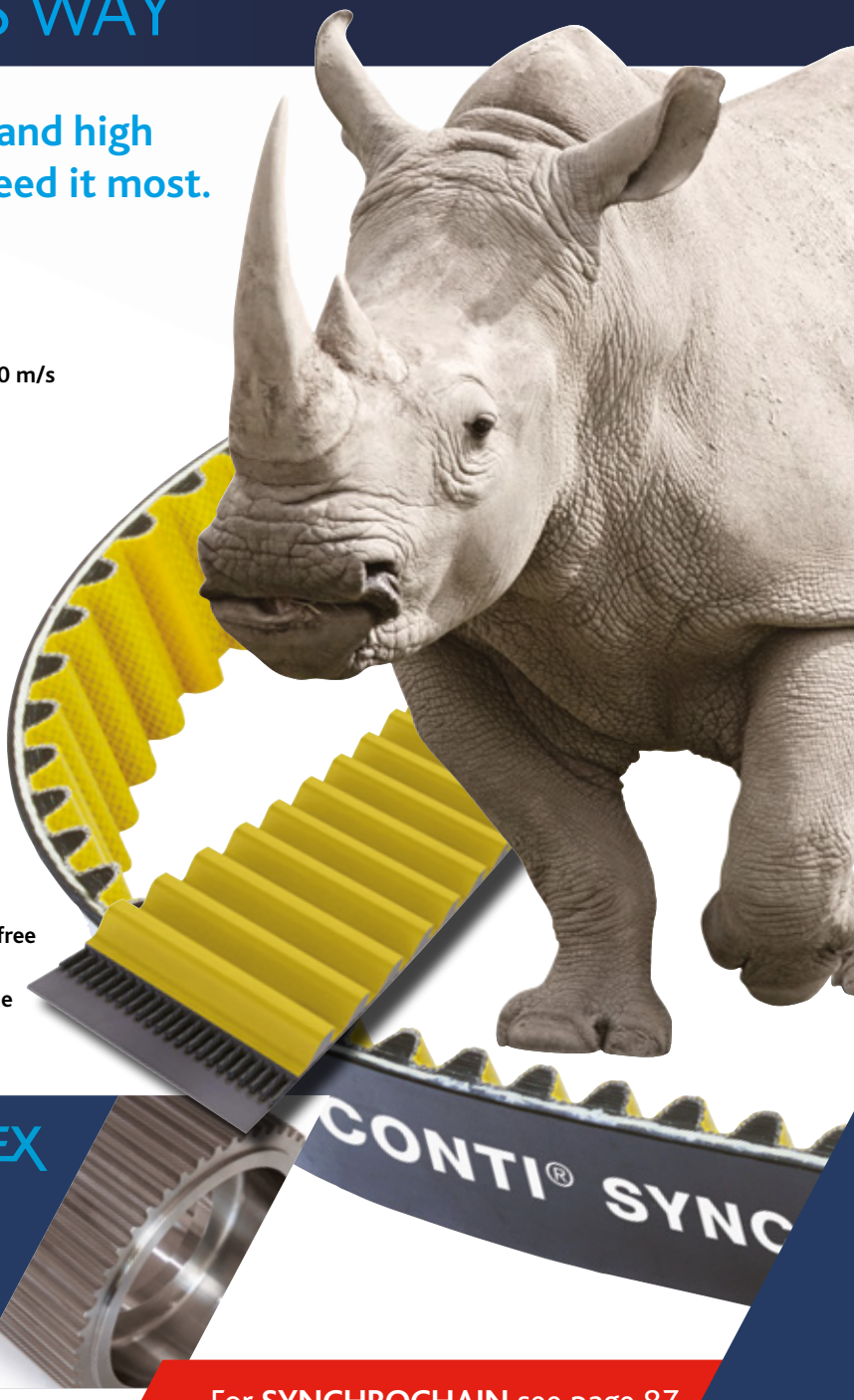
- Resistant to foreign materials
- Resistant to UV and ozone attack
- Designed for high dynamic stresses up to 40 m/s
- No lubrication or maintenance required
- Withstands reverse flexing
- Low noise at high speeds
- Ideal for compact, lightweight drives

Construction

- Polyurethane backing
- Tension member
- Aramid cord with S/Z twists wound in pairs
- Polyurethane teeth
- Special treated fabric

The CARBON Difference

- High tensile carbon members
- Permits narrower economical drives
- Raw materials and production are silicone-free
- Increased power output
- Longitudinally stable throughout its lifetime



DRIVEFLEX PULLEYS
FOR POLY CHAIN® &
SYNCHROCHAIN® belts

DRIVEFLEX

IN STOCK NOW
FOR NEXT DAY DELIVERY!

For **SYNCHROCHAIN** see page 87

BELTS PULLEYS CHAIN SPROCKETS GEARS BEARINGS LINEAR HARDWARE PLASTICS

TransDev®
THE POWER IN MOTION

Continental

CONTI® SYNCHROFORCE Belts



- CXP HEAVY DUTY HIGH SPEED DRIVES
- CXA HEAVY DUTY LOW SPEED DRIVES
- SPEED UP TO 50M/S
- TEMPERATURE RANGE FROM -20°C TO +100°C
- RUNS ON STANDARD HTD TIMING PULLEYS

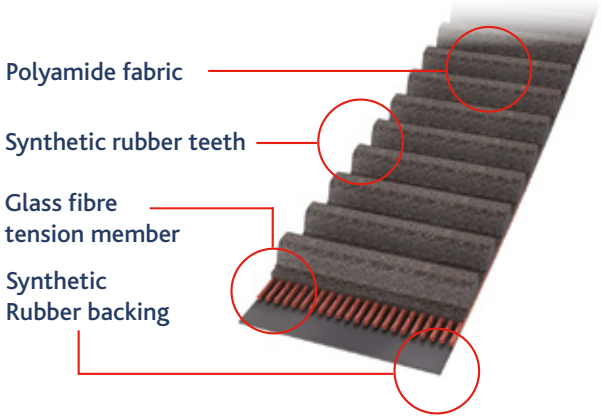


CONTI® SYNCHROFORCE

NOTHING'S STRONGER, OR TOUGHER

With this generation of Synchroforce CXP & CXA belts there has never been a stronger and tougher HTD tooth profile heavy-duty timing belt.

CXP Heavy-duty, high speed drives



THE CXP RANGE has a specifically developed tension member and exceptional material bonding. The teeth and the belt top are made from a synthetic Rubber mix with high tear resistance and enhanced shear resistance, to ensure reliable sustained power transmission at belt speeds up to 50m/s. The CXP range is used where high power must be transmitted.

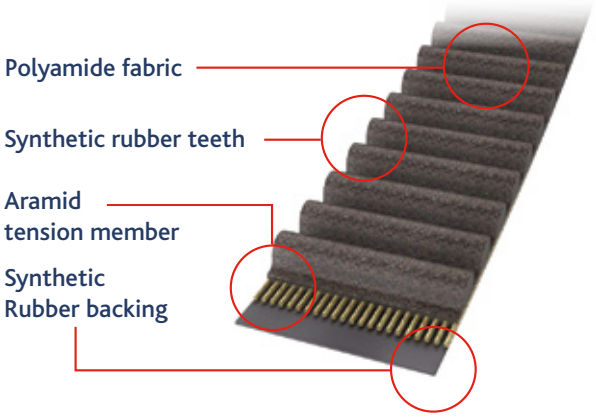
Glass fibre tension member

These tensile members have a high flexural fatigue strength along with a highly reliable power transmission capability up to 50m/s.

Polyamide fabric

Durable teeth protection is provided with an abrasion-resistant special fabric, with a low coefficient of friction.

CXA Heavy-duty, low speed drives



THE CXA RANGE combines exceptionally high tensile strength with the stable synthetic Rubber compound to transmit extremely high torque levels at belt speeds of up 20m/s. The CXA range is used where high torque must be transmitted.

Aramid tension member

The tensile members strongly resist tension loads and even cope with extremely high starting torques at speeds of up to 20m/s.

Polychloroprene teeth and backing

The teeth and the belt top are made from a synthetic rubber mix with high tear resistance and enhanced shear resistance, to ensure reliable, sustained power transmission.

NEW SYNCHROFORCE CARBON belts now available



Continental

Features

- Oil resistant to a degree
- Tropics resistant
- UV and ozone
- Electrically conductive (Anti-static) to ISO9563
- Temperatures ranging from -20°C to +100°C
- Increased power ratings

CARBON Heavy-duty, high acceleration forces

THE SYNCHROFORCE CARBON, ContiTech's new heavy-duty timing belt, is one of the strongest rubber timing belts in the market. With a hybrid tension member made of a glass carbon compound, which offers a similar performance to polyurethane belts but due to the impressive properties of its rubber compound, it scores even further.

- Hybrid tension member made of a glass carbon compound enables demanding drive solutions
- Usable in drives subject to high tensile loads, acceleration forces and shock loads
- Maintenance-free belt requires no lubrication or retensioning.



Profile and pitch availability

	HTD				STD				CTD			
	3M	5M	8M	14M	3M	5M	8M	14M	3M	5M	8M	14M
CXP	✓	✓	✓	✓			✓					
CXA			✓	✓			✓				✓	
CARBON (CRB)			✓				✓				✓	

Standard specifications

Width	See relevant standard width table[1]
Toothforms	HTD, STD, CTD[2]
Pitch	3M, 5M, 8M, 14M
Material	Black Rubber, Glass cords
Belt Style	CXP, CXA, Carbon (CRB) [2]

1 Other dimensions upon request
2 STD, CTD Carbon (CRB) non stock, available on request

Synchroforce belt codes

960 S 8M 30 CXP

Length (mm)
Toothform*
Pitch
Overall width (mm)
Belt style
** CTD = C STD = S*

For CXP 3M & 5M details see Appendix p1122

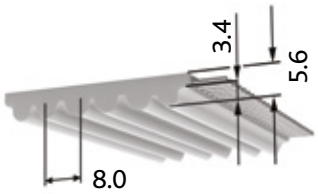
For any features required, but not listed above please contact: sales@transdev.co.uk

CXP8M & CXP14M CONTI® SYNCHROFORCE



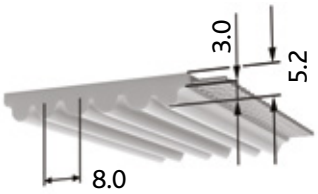
Continental

Standard



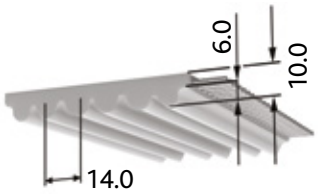
HTD CXP8M

Standard



STD CXP8M

Standard



HTD CXP14M

CXP8M HTD, STD, Standard widths – other widths on request			
20mm	30mm	50mm	85mm

CXP14M HTD Standard widths – other widths on request				
40mm	55mm	85mm	115mm	170mm

HTD CXP8M - Standard stock lengths

Belt ref.	Length (mm)	No. teeth
288-8M	288	36
304-8M	304	38
352-8M	352	44
376-8M	376	47
384-8M	384	48
400-8M	400	50
416-8M	416	52
424-8M	424	53
472-8M	472	59
480-8M	480	60
560-8M	560	70
600-8M	600	75
624-8M	624	78
640-8M	640	80
656-8M	656	82
688-8M	688	86
720-8M	720	90
776-8M	776	97
784-8M	784	98
800-8M	800	100
880-8M	880	110
912-8M	912	114
920-8M	920	115
960-8M	960	120
1040-8M	1040	130
1064-8M	1064	133

Belt ref.	Length (mm)	No. teeth
1080-8M	1080	135
1120-8M	1120	140
1160-8M	1160	145
1200-8M	1200	150
1280-8M	1280	160
1304-8M	1304	163
1328-8M	1328	166
1360-8M	1360	170
1392-8M	1392	174
1424-8M	1424	178
1440-8M	1440	180
1456-8M	1456	182
1520-8M	1520	190
1600-8M	1600	200
1760-8M	1760	220
1800-8M	1800	225
2000-8M	2000	250
2104-8M	2104	263
2248-8M	2248	281
2400-8M	2400	300
2600-8M	2600	325
2800-8M	2800	350
3008-8M	3008	376
3280-8M	3280	410
3408-8M	3408	426
3808-8M	3808	476

HTD CXP14M - Standard stock lengths

Belt ref.	Length (mm)	No. teeth
966-14M	966	69
1050-14M	1050	75
1190-14M	1190	85
1400-14M	1400	100
1610-14M	1610	115
1778-14M	1778	127
1890-14M	1890	135
2100-14M	2100	150
2310-14M	2310	165
2450-14M	2450	175

Belt ref.	Length (mm)	No. teeth
2590-14M	2590	185
2800-14M	2800	200
3150-14M	3150	225
3360-14M	3360	240
3500-14M	3500	250
3668-14M	3668	262
3850-14M	3850	275
4326-14M	4326	309
4578-14M	4578	327

STD CXP8M - Standard stock lengths

Belt ref.	Length (mm)	No. teeth
440-S8M	440	55
464-S8M	464	58
480-S8M	480	60
528-S8M	528	66
560-S8M	560	70
600-S8M	600	75
632-S8M	632	79
640-S8M	640	80
656-S8M	656	82
672-S8M	672	84
688-S8M	688	86
696-S8M	696	87
712-S8M	712	89
720-S8M	720	90
728-S8M	728	91
736-S8M	736	92
760-S8M	760	95
768-S8M	768	96
784-S8M	784	98
792-S8M	792	99
800-S8M	800	100
824-S8M	824	103
840-S8M	840	105
848-S8M	848	106
864-S8M	864	108
880-S8M	880	110
912-S8M	912	114
920-S8M	920	115
944-S8M	944	118
960-S8M	960	120
992-S8M	992	124
1000-S8M	1000	125
1024-S8M	1024	128
1032-S8M	1032	129
1056-S8M	1056	132
1064-S8M	1064	133
1072-S8M	1072	134
1080-S8M	1080	135
1096-S8M	1096	137
1120-S8M	1120	140
1136-S8M	1136	142

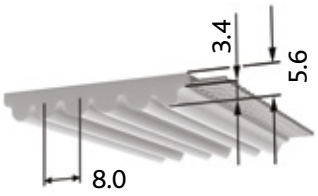
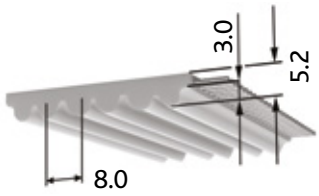
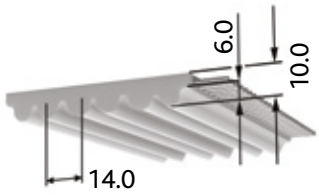
Belt ref.	Length (mm)	No. teeth
1152-S8M	1152	144
1160-S8M	1160	145
1168-S8M	1168	146
1176-S8M	1176	147
1184-S8M	1184	148
1192-S8M	1192	149
1200-S8M	1200	150
1208-S8M	1208	151
1216-S8M	1216	152
1240-S8M	1240	155
1256-S8M	1256	157
1264-S8M	1264	158
1280-S8M	1280	160
1296-S8M	1296	162
1304-S8M	1304	163
1312-S8M	1312	164
1344-S8M	1344	168
1368-S8M	1368	171
1400-S8M	1400	175
1408-S8M	1408	176
1440-S8M	1440	180
1480-S8M	1480	185
1512-S8M	1512	189
1520-S8M	1520	190
1552-S8M	1552	194
1600-S8M	1600	200
1624-S8M	1624	203
1760-S8M	1760	220
1776-S8M	1776	222
1800-S8M	1800	225
1816-S8M	1816	227
1912-S8M	1912	239
2000-S8M	2000	250
2240-S8M	2240	280
2272-S8M	2272	284
2392-S8M	2392	299
2800-S8M	2800	350
2848-S8M	2848	356

NB: Additional sizes are available for special order. Please contact our Sales Department for confirmation.

CXA8M & CXA14M CONTI® SYNCHROFORCE

Continental



Standard	Standard	Standard
		
HTD & CTD CXA8M	STD CXA8M	HTD CXA14M

CXA8M HTD, STD, Standard widths – other widths on request			
20mm	30mm	50mm	85mm

HTD CXA8M - Standard stock lengths

Belt ref.	Length (mm)	No. teeth	Belt ref.	Length (mm)	No. teeth
288-8M	288	36	1080-8M	1080	135
304-8M	304	38	1120-8M	1120	140
352-8M	352	44	1160-8M	1160	145
376-8M	376	47	1200-8M	1200	150
400-8M	400	50	1280-8M	1280	160
416-8M	416	52	1304-8M	1304	163
424-8M	424	53	1328-8M	1328	166
472-8M	472	59	1360-8M	1360	170
480-8M	480	60	1424-8M	1424	178
560-8M	560	70	1440-8M	1440	180
600-8M	600	75	1520-8M	1520	190
624-8M	624	78	1600-8M	1600	200
640-8M	640	80	1760-8M	1760	220
656-8M	656	82	1800-8M	1800	225
688-8M	688	86	2000-8M	2000	250
720-8M	720	90	2248-8M	2248	281
776-8M	776	97	2400-8M	2400	300
784-8M	784	98	2600-8M	2600	325
800-8M	800	100	2800-8M	2800	350
880-8M	880	110	3008-8M	3008	376
912-8M	912	114	3280-8M	3280	410
920-8M	920	115	3408-8M	3408	426
960-8M	960	120	3808-8M	3808	476
1040-8M	1040	130			

CXA14M HTD Standard widths – other widths on request				
40mm	55mm	85mm	115mm	170mm

HTD CXA14M - Standard stock lengths

Belt ref.	Length (mm)	No. teeth	Belt ref.	Length (mm)	No. teeth
966-14M	966	69	2590-14M	2590	185
1050-14M	1050	75	2800-14M	2800	200
1190-14M	1190	85	3150-14M	3150	225
1400-14M	1400	100	3360-14M	3360	240
1610-14M	1610	115	3500-14M	3500	250
1778-14M	1778	127	3668-14M	3668	262
1890-14M	1890	135	3850-14M	3850	275
2100-14M	2100	150	4326-14M	4326	309
2310-14M	2310	165	4578-14M	4578	327
2450-14M	2450	175			

STD CXA8M - Standard stock lengths

Belt ref.	Length (mm)	No. teeth	Belt ref.	Length (mm)	No. teeth
440-S8M	440	55	1120-S8M	1120	140
480-S8M	480	60	1136-S8M	1136	142
528-S8M	528	66	1160-S8M	1160	145
560-S8M	560	70	1168-S8M	1168	146
600-S8M	600	75	1176-S8M	1176	147
632-S8M	632	79	1184-S8M	1184	148
640-S8M	640	80	1200-S8M	1200	150
656-S8M	656	82	1216-S8M	1216	152
672-S8M	672	84	1240-S8M	1240	155
688-S8M	688	86	1256-S8M	1256	157
696-S8M	696	87	1264-S8M	1264	158
712-S8M	712	89	1280-S8M	1280	160
720-S8M	720	90	1296-S8M	1296	162
728-S8M	728	91	1304-S8M	1304	163
736-S8M	736	92	1312-S8M	1312	164
760-S8M	760	95	1344-S8M	1344	168
768-S8M	768	96	1368-S8M	1368	171
784-S8M	784	98	1400-S8M	1400	175
792-S8M	792	99	1408-S8M	1408	176
800-S8M	800	100	1440-S8M	1440	180
824-S8M	824	103	1480-S8M	1480	185
848-S8M	848	106	1512-S8M	1512	189
864-S8M	864	108	1552-S8M	1552	194
880-S8M	880	110	1600-S8M	1600	200
912-S8M	912	114	1624-S8M	1624	203
920-S8M	920	115	1760-S8M	1760	220
944-S8M	944	118	1776-S8M	1776	222
960-S8M	960	120	1800-S8M	1800	225
992-S8M	992	124	1816-S8M	1816	227
1000-S8M	1000	125	1912-S8M	1912	239
1024-S8M	1024	128	2240-S8M	2240	280
1056-S8M	1056	132	2392-S8M	2392	299
1064-S8M	1064	133	2800-S8M	2800	350
1072-S8M	1072	134	2848-S8M	2848	356

CTD Standard widths – other widths on request	
12mm	21mm

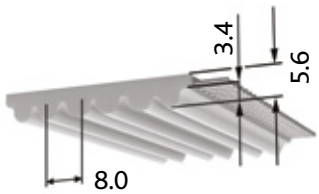
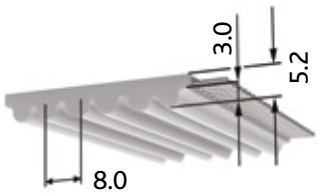
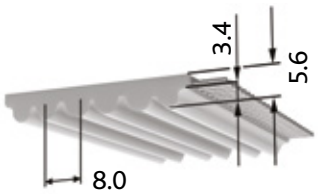
CTD CXA8M - Standard stock lengths

Belt ref.	Length (mm)	No. teeth	Belt ref.	Length (mm)	No. teeth
288-C8M	288	36	544-C8M	544	68
352-C8M	352	44	640-C8M	640	80
416-C8M	416	52	1280-C8M	1280	160

8M CONTI® SYNCHROFORCE CARBON



Continental

Standard	Standard	Standard
		
HTD 8M	STD 8M	CTD 8M

HTD, STD, Standard widths – other widths on request			
20mm	30mm	50mm	85mm

HTD 8M - Standard stock lengths

Belt ref.	Length (mm)	No. teeth
416-8M	416	52
424-8M	424	53
472-8M	472	59
480-8M	480	60
560-8M	560	70
600-8M	600	75
624-8M	624	78
640-8M	640	80
656-8M	656	82
688-8M	688	86
720-8M	720	90
776-8M	776	97
784-8M	784	98
800-8M	800	100
880-8M	880	110
912-8M	912	114
920-8M	920	115
960-8M	960	120
1040-8M	1040	130
1080-8M	1080	135
1120-8M	1120	140
1160-8M	1160	145
1200-8M	1200	150
1280-8M	1280	160
1304-8M	1304	163
1328-8M	1328	166
1360-8M	1360	170
1392-8M	1392	174
1424-8M	1424	178
1440-8M	1440	180
1456-8M	1456	182
1520-8M	1520	190
1600-8M	1600	200
1760-8M	1760	220
1800-8M	1800	225
2000-8M	2000	250
2104-8M	2104	263
2248-8M	2248	281
2400-8M	2400	300
2600-8M	2600	325
2800-8M	2800	350
3280-8M	3280	410
3408-8M	3408	426

STD 8M - Standard stock lengths

Belt ref.	Length (mm)	No. teeth
440-S8M	440	55
464-S8M	464	58
480-S8M	480	60
560-S8M	560	70
600-S8M	600	75
632-S8M	632	79
640-S8M	640	80
656-S8M	656	82
672-S8M	672	84
688-S8M	688	86
696-S8M	696	87
712-S8M	712	89
720-S8M	720	90
728-S8M	728	91
736-S8M	736	92
760-S8M	760	95
768-S8M	768	96
784-S8M	784	98
792-S8M	792	99
800-S8M	800	100
824-S8M	824	103
840-S8M	840	105
848-S8M	848	106
864-S8M	864	108
880-S8M	880	110
912-S8M	912	114
920-S8M	920	115
944-S8M	944	118
960-S8M	960	120
992-S8M	992	124
1000-S8M	1000	125
1024-S8M	1024	128
1032-S8M	1032	129
1056-S8M	1056	132
1064-S8M	1064	133
1072-S8M	1072	134
1104-S8M	1104	138
1120-S8M	1120	140
1136-S8M	1136	142
1160-S8M	1160	145
1168-S8M	1168	146
1176-S8M	1176	147
1184-S8M	1184	148
1192-S8M	1192	149
1200-S8M	1200	150
1208-S8M	1208	151
1216-S8M	1216	152
1224-S8M	1224	153

Belt ref.	Length (mm)	No. teeth
1240-S8M	1240	155
1256-S8M	1256	157
1264-S8M	1264	158
1280-S8M	1280	160
1296-S8M	1296	162
1304-S8M	1304	163
1312-S8M	1312	164
1344-S8M	1344	168
1368-S8M	1368	171
1400-S8M	1400	175
1408-S8M	1408	176
1440-S8M	1440	180
1480-S8M	1480	185
1512-S8M	1512	189
1520-S8M	1520	190
1552-S8M	1552	194
1600-S8M	1600	200
1624-S8M	1624	203
1760-S8M	1760	220
1776-S8M	1776	222
1800-S8M	1800	225
1816-S8M	1816	227
1912-S8M	1912	239
2000-S8M	2000	250
2240-S8M	2240	280
2272-S8M	2272	284
2392-S8M	2392	299
2800-S8M	2800	350
2848-S8M	2848	356

CTD Standard widths – other widths on request	
12mm	21mm

CTD 8M - Standard stock lengths

Belt ref.	Length (mm)	No. teeth
416-C8M	416	52
544-C8M	544	68
1280-C8M	1280	160
1600-C8M	1600	200
3200-C8M	3200	400

NB: Additional sizes are available for special order. Please contact our Sales Department for confirmation.

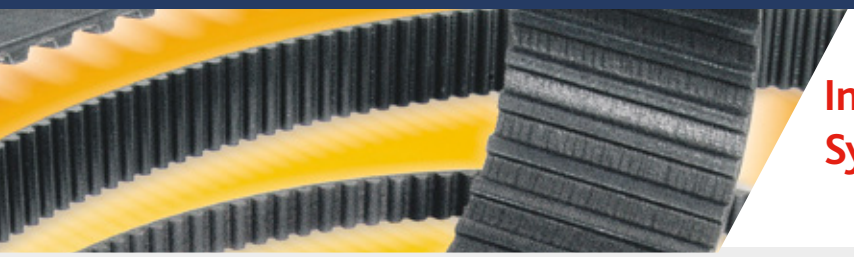
Continental

TRANSFLEX CLASSIC

Imperial Rubber Series



- HIGHER BELT LIFE
- EFFICIENCY OF 98%
- UV AND OZONE RESISTANT
- TEMPERATURE RANGE -20°C TO +100°C
- RUNS ON NORMAL IMPERIAL PITCH TIMING PULLEYS



Imperial Rubber Synchronous Belts

IMPERIAL RUBBER SYNCHRONOUS BELTS

Flexible and reliable timing belts with a trapezoidal toothform, for a wide variety of applications.

With the CONTI® SYNCHROBELT and Transflex rubber belts TransDev offers TWO brands that together provide even more choice to buyers and users. Wherever the application and whatever the budget TransDev has a rubber belt to meet your exact requirements.

Continental

Premium quality from the leading German manufacturers.

TRANSFLEX CLASSIC

The UK's largest range of rubber timing belts, providing uncompromising quality and value.

The Imperial Timing belts utilise a trapezoidal toothform in various sizes, resulting in flexible and reliable timing belts for a wide variety of applications.

A comprehensive standard range has been developed for various load capacities and service conditions.

Compact drive design

Good strength and flexibility allows the use of small pulley diameters, small centre distances and reverse bending idlers. High quality pulleys with pilot bored or taper lock design enable a low-cost, readily available drive setup.

High efficiency

The superb flexural properties of the synchronous drive belt as well as the exact dimensional mating of the belt and pulley tooth contours permit drives with an efficiency of 98%.



TRANSFLEX CLASSIC Continental

Features

Imperial rubber belts are resistant to

- Oil, to a degree
- Tropics
- UV and ozone
- Temperatures ranging from –20°C to +100°C

Construction

Polychloroprene teeth and backing

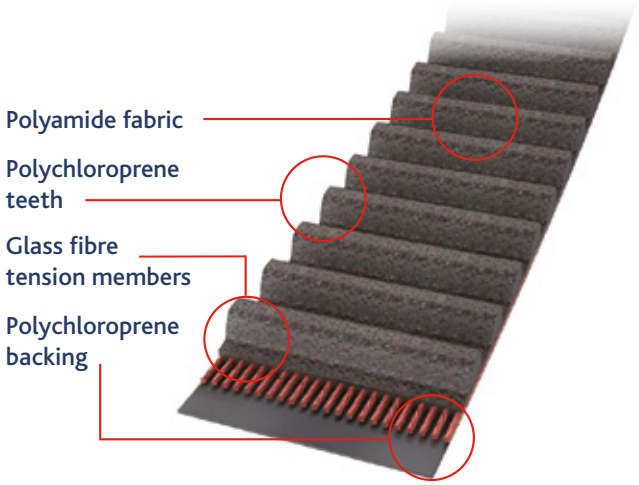
The teeth and the belt top are made from high strength Polychloroprene based elastomer materials. A special manufacturing process ensures an excellent adhesion both on tensile member and on the facing fabric.

Glass tension member

Timing belt drives call for a high degree of length stability and tensile strength. The Imperial belts have a low-elongation tensile member of Glass cord, helically wound in opposing pairs over the entire belt width.

Polyamide fabric

Durable teeth protection is provided with an abrasion-resistant Polyamide fabric with a low coefficient of friction.



Imperial belt codes

210	XL	037	TFLEX
Length** (1/10)			
Toothform			
Overall width (inch)			
Brand			

(Belt code suffixed with brand for Transflex belts only)

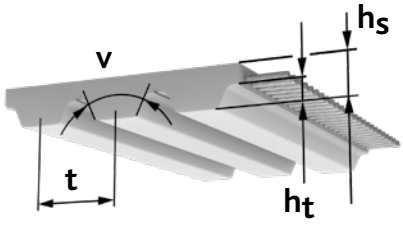
Standard specifications

Width See relevant standard width table[1)]
Toothforms Available MXL, XL, L, H, XH
Material Black Rubber, Glass cords
**MXL = 1/100"

[1)] Other dimensions upon request

For any features required, but not listed above please contact: sales@TransDev.co.uk

Pitch		MXL	XL	L	H	XH
Tooth pitch (t)	Inch	–	1/5""	3/8""	1/2""	7/8""
		0.08	0.20	0.375	0.50	0.875
	mm	2.032	5.08	9.525	12.7	22.225
Flank angle (V)	Degree	40	50	40	40	40
Belt thickness (h_s)	mm	1.14	2.3	3.6	4.3	11.2
Tooth height (h_t)	mm	0.51	1.27	1.91	2.29	6.35
Belt weight	kg/m/mm*	0.0005	0.0006	0.0035	0.0046	0.0093



*Kg per metre belt length per mm belt width

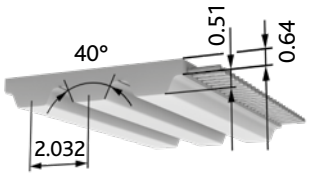
MXL Mini Pitch Series

24 | 221 | 407

Continental

Rubber back/teeth, Glass fibre reinforced, nylon fabric tooth facing. Mini pitch (0.08", 2.032 mm pitch)

Standard



MXL

Standard widths – other widths on request			
0.12" (1/8)	0.18" (3/16)	0.25" (1/4)	0.31" (5/16)
3.2 mm	4.76 mm	6.35 mm	8mm

Standard stock lengths

Belt ref.	Length (in)	Length (mm)	No. teeth
360MXL	3.60	91.44	45
432MXL	4.32	109.73	54
440MXL	4.40	111.76	55
448MXL	4.48	113.79	56
456MXL	4.56	115.82	57
480MXL	4.80	121.92	60
488MXL	4.88	123.95	61
504MXL	5.04	128.02	63
536MXL	5.36	136.14	67
544MXL	5.44	138.18	68
568MXL	5.68	144.27	71
576MXL	5.76	146.30	72
584MXL	5.84	148.34	73
608MXL	6.08	154.43	76
632MXL	6.32	160.53	79
640MXL	6.40	162.56	80
656MXL	6.56	166.62	82
680MXL	6.80	172.72	85
696MXL	6.96	176.78	87
704MXL	7.04	178.82	88
720MXL	7.20	182.88	90
728MXL	7.28	184.91	91
752MXL	7.52	191.01	94
760MXL	7.60	193.04	95
800MXL	8.00	203.20	100
808MXL	8.08	205.23	101
824MXL	8.24	209.30	103
840MXL	8.40	213.36	105
880MXL	8.80	223.52	110
912MXL	9.12	231.65	114
920MXL	9.20	233.68	115
944MXL	9.44	239.78	118
960MXL	9.60	243.84	120
976MXL	9.76	247.90	122
984MXL	9.84	249.94	123
1000MXL	10.00	254.00	125
1008MXL	10.08	256.03	126
1040MXL	10.40	264.16	130
1056MXL	10.56	268.22	132
1072MXL	10.72	272.29	134
1120MXL	11.20	284.48	140
1136MXL	11.36	288.54	142
1152MXL	11.52	292.61	144
1176MXL	11.76	298.70	147
1200MXL	12.00	304.80	150
1280MXL	12.80	325.12	160
1320MXL	13.20	335.28	165
1360MXL	13.60	345.44	170
1400MXL	14.00	355.60	175
1440MXL	14.40	365.76	180
1472MXL	14.72	373.89	184
1496MXL	14.96	379.98	187
1520MXL	15.20	386.08	190
1560MXL	15.60	396.24	195
1600MXL	16.00	406.40	200
1768MXL	17.68	449.07	221
1888MXL	18.88	479.55	236
1920MXL	19.20	487.68	240
1984MXL	19.84	503.94	248
2008MXL	20.08	510.03	251
2048MXL	20.48	520.19	256
2144MXL	21.44	544.58	268
2240MXL	22.40	568.96	280
2320MXL	23.20	589.28	290
2384MXL	23.84	605.54	298
2480MXL	24.80	629.92	310
2520MXL	25.20	640.08	315
2584MXL	25.84	656.34	323
2776MXL	27.76	705.10	347
2920MXL	29.20	741.68	365
3200MXL	32.00	812.80	400
3472MXL	34.72	881.89	434
3624MXL	36.24	920.50	453
3800MXL	38.00	965.20	475
3944MXL	39.44	1001.78	493

MXL Mini Pitch Series



TRANSFLEX CLASSIC

Standard widths – other widths on request			
0.12" (1/8)	0.18" (3/16)	0.25" (1/4)	0.31" (5/16)
3.2 mm	4.76 mm	6.35 mm	8mm

Standard stock lengths

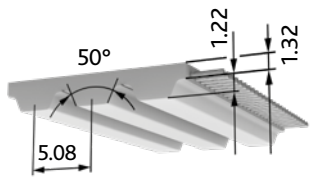
Belt ref.	Length (in)	Length (mm)	No. teeth
360MXLTFLEX	3.60	91.44	45
432MXLTFLEX	4.32	109.73	54
440MXLTFLEX	4.40	111.76	55
448MXLTFLEX	4.48	113.79	56
456MXLTFLEX	4.56	115.82	57
464MXLTFLEX	4.64	117.86	58
480MXLTFLEX	4.80	121.92	60
488MXLTFLEX	4.88	123.95	61
504MXLTFLEX	5.04	128.02	63
536MXLTFLEX	5.36	136.14	67
544MXLTFLEX	5.44	138.18	68
560MXLTFLEX	5.60	142.24	70
568MXLTFLEX	5.68	144.27	71
576MXLTFLEX	5.76	146.30	72
584MXLTFLEX	5.84	148.34	73
592MXLTFLEX	5.92	150.37	74
600MXLTFLEX	6.00	152.40	75
608MXLTFLEX	6.08	154.43	76
616MXLTFLEX	6.16	156.46	77
624MXLTFLEX	6.24	158.50	78
632MXLTFLEX	6.32	160.53	79
640MXLTFLEX	6.40	162.56	80
656MXLTFLEX	6.56	166.62	82
664MXLTFLEX	6.64	168.66	83
672MXLTFLEX	6.72	170.69	84
680MXLTFLEX	6.80	172.72	85
688MXLTFLEX	6.88	174.75	86
696MXLTFLEX	6.96	176.78	87
704MXLTFLEX	7.04	178.82	88
720MXLTFLEX	7.20	182.88	90
728MXLTFLEX	7.28	184.91	91
752MXLTFLEX	7.52	191.01	94
760MXLTFLEX	7.60	193.04	95
776MXLTFLEX	7.76	197.10	97
784MXLTFLEX	7.84	199.14	98
800MXLTFLEX	8.00	203.20	100

Belt ref.	Length (in)	Length (mm)	No. teeth
808MXLTFLEX	8.08	205.23	101
816MXLTFLEX	8.16	207.26	102
824MXLTFLEX	8.24	209.30	103
832MXLTFLEX	8.32	211.33	104
840MXLTFLEX	8.40	213.36	105
848MXLTFLEX	8.48	215.39	106
880MXLTFLEX	8.80	223.52	110
896MXLTFLEX	8.96	227.58	112
904MXLTFLEX	9.04	229.62	113
912MXLTFLEX	9.12	231.65	114
920MXLTFLEX	9.20	233.68	115
944MXLTFLEX	9.44	239.78	118
960MXLTFLEX	9.60	243.84	120
976MXLTFLEX	9.76	247.90	122
984MXLTFLEX	9.84	249.94	123
1000MXLTFLEX	10.00	254.00	125
1008MXLTFLEX	10.08	256.03	126
1016MXLTFLEX	10.16	258.06	127
1040MXLTFLEX	10.40	264.16	130
1056MXLTFLEX	10.56	268.22	132
1072MXLTFLEX	10.72	272.29	134
1120MXLTFLEX	11.20	284.48	140
1136MXLTFLEX	11.36	288.54	142
1152MXLTFLEX	11.52	292.61	144
1176MXLTFLEX	11.76	298.70	147
1200MXLTFLEX	12.00	304.80	150
1240MXLTFLEX	12.40	314.96	155
1280MXLTFLEX	12.80	325.12	160
1312MXLTFLEX	13.12	333.25	164
1320MXLTFLEX	13.20	335.28	165
1328MXLTFLEX	13.28	337.31	166
1360MXLTFLEX	13.60	345.44	170
1400MXLTFLEX	14.00	355.60	175
1440MXLTFLEX	14.40	365.76	180
1472MXLTFLEX	14.72	373.89	184
1496MXLTFLEX	14.96	379.98	187

Belt ref.	Length (in)	Length (mm)	No. teeth
1520MXLTFLEX	15.20	386.08	190
1560MXLTFLEX	15.60	396.24	195
1600MXLTFLEX	16.00	406.40	200
1624MXLTFLEX	16.24	412.50	203
1720MXLTFLEX	17.20	436.88	215
1768MXLTFLEX	17.68	449.07	221
1856MXLTFLEX	18.56	471.42	232
1888MXLTFLEX	18.88	479.55	236
1920MXLTFLEX	19.20	487.68	240
1984MXLTFLEX	19.84	503.94	248
2000MXLTFLEX	20.00	508.00	250
2008MXLTFLEX	20.08	510.03	251
2048MXLTFLEX	20.48	520.19	256
2080MXLTFLEX	20.80	528.32	260
2240MXLTFLEX	22.40	568.96	280
2320MXLTFLEX	23.20	589.28	290
2384MXLTFLEX	23.84	605.54	298
2400MXLTFLEX	24.00	609.60	300
2480MXLTFLEX	24.80	629.92	310
2520MXLTFLEX	25.20	640.08	315
2584MXLTFLEX	25.84	656.33	323
2776MXLTFLEX	27.76	705.10	347
2920MXLTFLEX	29.20	741.68	365
2968MXLTFLEX	29.68	753.87	371
2976MXLTFLEX	29.76	755.90	372
3040MXLTFLEX	30.40	772.16	380
3200MXLTFLEX	32.00	812.80	400
3296MXLTFLEX	32.96	837.18	412
3472MXLTFLEX	34.72	881.89	434
3624MXLTFLEX	36.24	920.50	453
3704MXLTFLEX	37.04	940.82	436
3744MXLTFLEX	37.44	950.98	468
3800MXLTFLEX	38.00	965.20	475
4040MXLTFLEX	40.40	1026.16	505

XL Pitch Extra Light Duty

Rubber back/teeth, Glass fibre reinforced, Nylon fabric tooth facing, (1/5", 0.200", 5.08mm pitch).

Standard

XL (1/5")

Standard widths – other widths on request			
0.25" (1/4)	0.31" (5/16)	0.37" (3/8)	0.50" (1/2)
6.35 mm	8mm	9.3mm	12.7mm

Standard stock lengths

Belt ref.	Length (in)	Length (mm)	No. teeth
60XL	6.0	152.40	30
70XL	7.0	177.80	35
80XL	8.0	203.20	40
90XL	9.0	228.60	45
92XL	9.2	233.68	46
94XL	9.4	238.76	47
96XL	9.6	243.84	48
100XL	10.0	254.00	50
110XL	11.0	279.40	55
120XL	12.0	304.80	60
130XL	13.0	330.20	65
140XL	14.0	355.60	70
142XL	14.2	360.68	71
150XL	15.0	381.00	75
160XL	16.0	406.40	80
170XL	17.0	431.80	85
180XL	18.0	457.20	90

Belt ref.	Length (in)	Length (mm)	No. teeth
190XL	19.0	482.60	95
200XL	20.0	508.00	100
210XL	21.0	533.40	105
220XL	22.0	558.80	110
230XL	23.0	584.20	115
240XL	24.0	609.60	120
250XL	25.0	635.00	125
260XL	26.0	660.40	130
270XL	27.0	685.80	135
290XL	29.0	736.60	145
300XL	30.0	762.00	150
310XL	31.0	787.40	155
320XL	32.0	812.80	160
330XL	33.0	838.20	165
390XL	39.0	990.60	195
430XL	43.0	1092.20	215

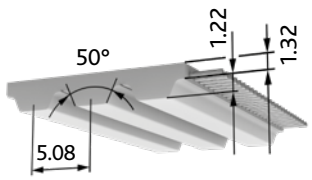
XL Pitch Extra Light Duty

TRANSFLEX CLASSIC

24 221 412

Rubber back/teeth, Glass fibre reinforced, Nylon fabric tooth facing, (1/5", 0.200", 5.08mm pitch).

Standard



XL (1/5")

Standard widths – other widths on request			
0.25" (1/4)	0.31" (5/16)	0.37" (3/8)	0.50" (1/2)
6.35 mm	8mm	9.3mm	12.7mm

Standard stock lengths

Belt ref.	Length (in)	Length (mm)	No. teeth
60XLTFLEX	6.0	152.40	30
70XLTFLEX	7.0	177.80	35
76XLTFLEX	7.6	193.04	38
78XLTFLEX	7.8	198.12	39
80XLTFLEX	8.0	203.20	40
86XLTFLEX	8.6	218.44	43
88XLTFLEX	8.8	223.52	44
90XLTFLEX	9.0	228.60	45
92XLTFLEX	9.2	233.68	46
94XLTFLEX	9.4	238.76	47
96XLTFLEX	9.6	243.84	48
100XLTFLEX	10.0	254.00	50
102XLTFLEX	10.2	259.08	51
104XLTFLEX	10.4	264.16	52
106XLTFLEX	10.6	269.24	53
108XLTFLEX	10.8	274.32	54
110XLTFLEX	11.0	279.40	55
112XLTFLEX	11.2	284.48	56
114XLTFLEX	11.4	289.56	57
116XLTFLEX	11.6	294.64	58
118XLTFLEX	11.8	299.72	59
120XLTFLEX	12.0	304.80	60
124XLTFLEX	12.4	314.96	62
126XLTFLEX	12.6	320.04	63
128XLTFLEX	12.8	325.12	64
130XLTFLEX	13.0	330.20	65
134XLTFLEX	13.4	340.36	67
136XLTFLEX	13.6	345.33	68
138XLTFLEX	13.8	350.52	69
140XLTFLEX	14.0	355.60	70
142XLTFLEX	14.2	360.68	71
148XLTFLEX	14.8	375.92	74
150XLTFLEX	15.0	381.00	75
152XLTFLEX	15.2	386.08	76

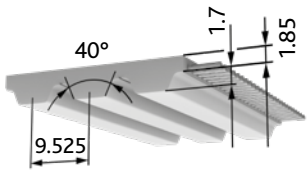
Belt ref.	Length (in)	Length (mm)	No. teeth
156XLTFLEX	15.6	396.24	78
160XLTFLEX	16.0	406.40	80
162XLTFLEX	16.2	411.48	81
166XLTFLEX	16.6	421.64	83
168XLTFLEX	16.8	426.72	84
170XLTFLEX	17.0	431.80	85
174XLTFLEX	17.4	441.96	87
176XLTFLEX	17.6	447.04	88
178XLTFLEX	17.8	452.12	89
180XLTFLEX	18.0	457.20	90
182XLTFLEX	18.2	462.28	91
184XLTFLEX	18.4	467.36	92
188XLTFLEX	18.8	477.52	94
190XLTFLEX	19.0	482.60	95
194XLTFLEX	19.4	492.76	97
196XLTFLEX	19.6	497.84	98
198XLTFLEX	19.8	502.92	99
200XLTFLEX	20.0	508.00	100
204XLTFLEX	20.4	518.16	102
206XLTFLEX	20.6	528.32	104
210XLTFLEX	21.0	533.40	105
220XLTFLEX	22.0	558.80	110
224XLTFLEX	22.4	568.96	112
230XLTFLEX	23.0	584.20	115
240XLTFLEX	24.0	609.60	120
244XLTFLEX	24.4	619.76	122
248XLTFLEX	24.8	629.92	124
250XLTFLEX	25.0	635.00	125
260XLTFLEX	26.0	660.40	130
262XLTFLEX	26.2	665.48	131
270XLTFLEX	27.0	685.80	135
274XLTFLEX	27.4	695.96	137
280XLTFLEX	28.0	711.20	140
286XLTFLEX	28.6	726.44	143

Belt ref.	Length (in)	Length (mm)	No. teeth
290XLTFLEX	29.0	736.60	145
296XLTFLEX	29.6	751.84	148
300XLTFLEX	30.0	762.00	150
306XLTFLEX	30.6	777.24	153
310XLTFLEX	31.0	787.40	155
316XLTFLEX	31.6	802.64	158
320XLTFLEX	32.0	812.80	160
322XLTFLEX	32.2	817.88	161
330XLTFLEX	33.0	838.20	165
340XLTFLEX	34.0	863.60	170
344XLTFLEX	34.4	873.76	172
350XLTFLEX	35.0	889.00	175
380XLTFLEX	38.0	965.20	190
384XLTFLEX	38.4	975.36	192
388XLTFLEX	38.8	985.52	194
390XLTFLEX	39.0	990.60	195
392XLTFLEX	39.2	995.68	196
396XLTFLEX	39.6	1005.84	198
400XLTFLEX	40.0	1016.00	200
412XLTFLEX	41.2	1046.48	206
414XLTFLEX	41.4	1051.56	207
424XLTFLEX	42.4	1076.96	212
430XLTFLEX	43.0	1092.20	215
432XLTFLEX	43.2	1097.28	216
460XLTFLEX	46.0	1168.40	230
490XLTFLEX	49.0	1244.60	245
506XLTFLEX	50.6	1285.24	253
514XLTFLEX	51.4	1305.56	257
580XLTFLEX	58.0	1473.20	290
600XLTFLEX	60.0	1524.00	300
630XLTFLEX	63.0	1600.20	315

L Pitch Light Duty

Rubber back/teeth, Glass fibre reinforced, Nylon fabric tooth facing, (3/8", 0.375", 9.525mm pitch).

Standard



L (3/8")

Standard widths – other widths on request		
0.50" (1/2)	0.75" (3/4)	1.00"
12.7mm	19.05mm	25.4mm

Standard stock lengths

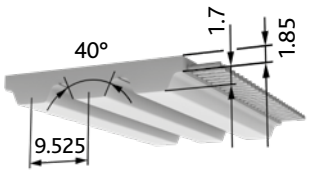
Belt ref.	Length (in)	Length (mm)	No. teeth
124L	12.38	314.33	33
150L	15.00	381.00	40
187L	18.75	476.25	50
210L	21.00	533.40	56
225L	22.50	571.50	60
240L	24.00	609.60	64
255L	25.50	647.70	68
270L	27.00	685.80	72
285L	28.50	723.90	76
300L	30.00	762.00	80
322L	32.25	819.15	86
345L	34.50	876.30	92
367L	36.75	933.45	98
390L	39.00	990.60	104
420L	42.00	1066.80	112
427L	42.70	1085.85	114
450L	45.00	1143.00	120
480L	48.00	1219.20	128
510L	51.00	1295.40	136
540L	54.00	1371.60	144
600L	60.00	1524.00	160

L Pitch Light Duty

TRANSFLEX CLASSIC

Rubber back/teeth, Glass fibre reinforced, Nylon fabric tooth facing, (3/8", 0.375", 9.525mm pitch).

Standard



L (3/8")

Standard widths – other widths on request		
0.50" (1/2)	0.75" (3/4)	1.00"
12.7mm	19.05mm	25.4mm

Standard stock lengths

Belt ref.	Length (in)	Length (mm)	No. teeth
109LTFLEX	10.88	276.23	29
124LTFLEX	12.38	314.33	33
150LTFLEX	15.00	381.00	40
165LTFLEX	16.50	419.10	44
173LTFLEX	17.25	483.15	46
187LTFLEX	18.75	476.25	50
203LTFLEX	20.25	514.35	54
210LTFLEX	21.00	533.40	56
214LTFLEX	21.38	542.93	57
225LTFLEX	22.50	571.50	60
232LTFLEX	23.25	590.55	62
236LTFLEX	23.63	600.08	63
240LTFLEX	24.00	609.60	64
244LTFLEX	24.38	619.13	65
255LTFLEX	25.50	647.70	68
263LTFLEX	26.25	666.75	70
270LTFLEX	27.00	685.80	72
277LTFLEX	27.75	704.85	74
285LTFLEX	28.50	723.90	76
300LTFLEX	30.00	762.00	80
320LTFLEX	32.00	812.80	85

Belt ref.	Length (in)	Length (mm)	No. teeth
322LTFLEX	32.25	819.15	86
345LTFLEX	34.50	876.30	92
360LTFLEX	36.00	914.40	96
367LTFLEX	36.75	933.45	98
375LTFLEX	37.50	952.50	100
390LTFLEX	39.00	990.60	104
405LTFLEX	40.50	1028.70	108
420LTFLEX	42.00	1066.80	112
427LTFLEX	42.75	1085.85	114
450LTFLEX	45.00	1143.00	120
453LTFLEX	45.38	1152.53	121
480LTFLEX	48.00	1219.20	128
510LTFLEX	51.00	1295.40	136
540LTFLEX	54.00	1371.60	144
570LTFLEX	57.00	1447.80	152
600LTFLEX	60.00	1524.00	160
630LTFLEX	63.00	1600.20	168
660LTFLEX	66.00	1676.40	176
750LTFLEX	75.00	1905.00	200
870LTFLEX	87.00	2209.80	232
900LTFLEX	90.00	2286.00	240



See Design Software – Page 30

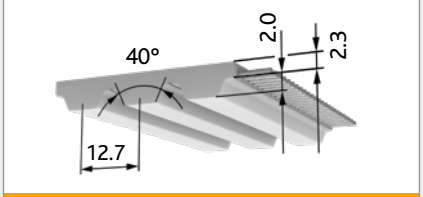
H Pitch Heavy Duty

24 221 416 432

Continental

Rubber back/teeth, Glass fibre reinforced, Nylon fabric tooth facing, (1/2", 0.50", 12.7mm pitch).

Standard



H (1/2")

Standard widths – other widths on request			
1"	1.5"	2"	3"
25.4mm	38.1mm	50.8mm	76.2mm

Standard stock lengths

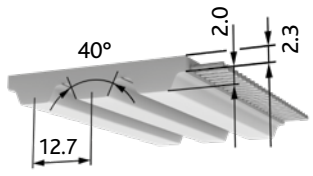
Belt ref.	Length (in)	Length (mm)	No. teeth
240H	24.00	609.60	48
270H	27.00	685.80	54
300H	30.00	762.00	60
310H	31.00	787.40	62
330H	33.00	838.20	66
360H	36.00	914.40	72
390H	39.00	990.60	78
420H	42.00	1066.80	84
450H	45.00	1143.00	90
480H	48.00	1219.20	96
510H	51.00	1295.40	102
540H	54.00	1371.60	108
570H	57.00	1447.80	114
600H	60.00	1524.00	120
630H	63.00	1600.20	126
660H	66.00	1676.40	132
700H	70.00	1778.00	140
750H	75.00	1905.00	150
800H	80.00	2032.00	160
850H	85.00	2159.00	170
900H	90.00	2286.00	180
1000H	100.00	2540.00	200
1100H	110.00	2794.00	220
1250H	125.00	3175.00	250
1400H	140.00	3556.00	280
1700H	170.00	4318.00	340

H Pitch Heavy Duty

TRANSFLEX CLASSIC

Rubber back/teeth, Glass fibre reinforced, Nylon fabric tooth facing, (1/2", 0.50", 12.7mm pitch).

Standard



H (1/2")

Standard widths – other widths on request			
1"	1.5"	2"	3"
25.4mm	38.1mm	50.8mm	76.2mm

Standard stock lengths

Belt ref.	Length (in)	Length (mm)	No. teeth
185HTFLEX	18.5	469.90	37
210HTFLEX	21.0	533.40	42
240HTFLEX	24.0	609.60	48
255HTFLEX	25.5	647.70	51
270HTFLEX	27.0	685.80	54
290HTFLEX	29.0	736.60	58
300HTFLEX	30.0	762.00	60
310HTFLEX	31.0	787.40	62
330HTFLEX	33.0	838.20	66
335HTFLEX	33.5	850.90	67
360HTFLEX	36.0	914.40	72
370HTFLEX	37.0	939.80	74
390HTFLEX	39.0	990.60	78
400HTFLEX	40.0	1016.00	80
410HTFLEX	41.0	1041.40	82
420HTFLEX	42.0	1066.80	84
430HTFLEX	43.0	1092.20	86
440HTFLEX	44.0	1117.60	88
450HTFLEX	45.0	1143.00	90
480HTFLEX	48.0	1219.20	96
490HTFLEX	49.0	1244.60	98
500HTFLEX	50.0	1270.00	100
510HTFLEX	51.0	1295.40	102
520HTFLEX	52.0	1320.80	104
530HTFLEX	53.0	1346.20	106
540HTFLEX	54.0	1371.60	108

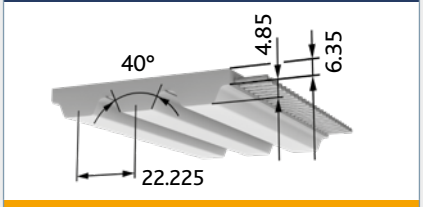
Belt ref.	Length (in)	Length (mm)	No. teeth
560HTFLEX	56.0	1422.40	112
570HTFLEX	57.0	1447.80	114
600HTFLEX	60.0	1524.00	120
630HTFLEX	63.0	1600.20	126
640HTFLEX	64.0	1625.60	128
660HTFLEX	66.0	1676.40	132
670HTFLEX	67.0	1707.80	134
680HTFLEX	68.0	1727.20	136
700HTFLEX	70.0	1778.00	140
720HTFLEX	72.0	1828.80	144
730HTFLEX	73.0	1854.20	146
750HTFLEX	75.0	1905.00	150
800HTFLEX	80.0	2032.00	160
850HTFLEX	85.0	2159.00	170
860HTFLEX	86.0	2184.40	172
900HTFLEX	90.0	2286.00	180
950HTFLEX	95.0	2413.00	190
985HTFLEX	98.5	2501.90	197
1000HTFLEX	100.0	2540.00	200
1050HTFLEX	105.0	2667.00	210
1100HTFLEX	110.0	2794.00	220
1140HTFLEX	114.0	2895.60	228
1250HTFLEX	125.0	3175.00	250
1400HTFLEX	140.0	3556.00	280
1700HTFLEX	170.0	4318.00	340

XH Pitch Extra Heavy Duty

Continental

Rubber back/teeth, Glass fibre reinforced, Nylon fabric tooth facing, (7/8", 0.875", 22.225mm pitch).

Standard



XH (7/8")

Standard widths – other widths on request			
2"	3"	4"	5"
50.8mm	76.2mm	101.6mm	127mm

Standard stock lengths

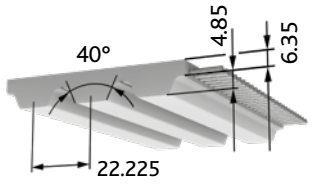
Belt ref.	Length (in)	Length (mm)	No. teeth
507XH	50.70	1289.05	58
560XH	56.00	1422.40	64
630XH	63.00	1600.20	72
700XH	70.00	1778.00	80
770XH	77.00	1955.80	88
840XH	84.00	2133.60	96
980XH	98.00	2489.20	112
1120XH	112.00	2844.80	128
1260XH	126.00	3200.40	144
1400XH	140.00	3558.00	160
1540XH	154.00	3911.60	176
1750XH	175.00	4445.00	200

XH Pitch Extra Heavy Duty

TRANSFLEX CLASSIC

Rubber back/teeth, Glass fibre reinforced, Nylon fabric tooth facing, (7/8", 0.875", 22.225mm pitch).

Standard



XH (7/8")

Standard widths – other widths on request			
2"	3"	4"	5"
50.8mm	76.2mm	101.6mm	127mm

Standard stock lengths

Belt ref.	Length (in)	Length (mm)	No. teeth
507XHTFLEX	50.7	1289.05	58
560XHTFLEX	56.0	1422.40	64
630XHTFLEX	63.0	1600.20	72
700XHTFLEX	70.0	1778.00	80
770XHTFLEX	77.0	1955.80	88
840XHTFLEX	84.0	2133.60	96
980XHTFLEX	98.0	2489.20	112
1120XHTFLEX	112.0	2844.80	128
1260XHTFLEX	126.0	3200.40	144
1400XHTFLEX	140.0	3556.00	160
1540XHTFLEX	154.0	3911.60	176
1750XHTFLEX	175.0	4445.00	200

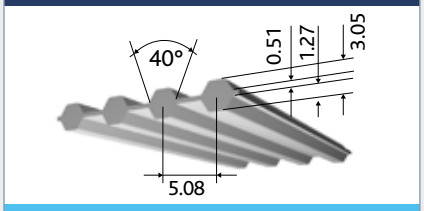


See **Imperial Series Pulleys – Page 404 & 426**

DXL Pitch Double Sided Extra Light Duty

TRANSFLEX CLASSIC

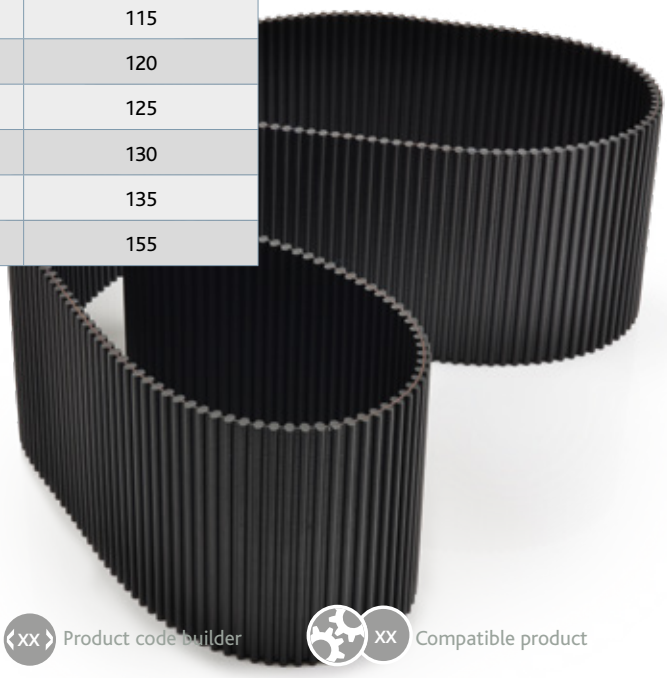
Rubber back/teeth, Glass fibre reinforced, Nylon fabric tooth facing, (1/5", 0.20" 5.08mm pitch).

Standard

DXL (1/5")

Standard widths – other widths on request			
0.25" (1/4)	0.31" (5/16)	0.37" (3/8)	0.50" (1/2)
6.35mm	8mm	9.53mm	12.7mm

Standard stock lengths

Belt ref.	Length (in)	Length (mm)	No. teeth
D90XL	9.00	228.60	45
D100XL	10.00	254.00	50
D150XL	15.00	381.00	75
D160XL	16.00	406.40	80
D170XL	17.00	431.80	85
D180XL	18.00	457.20	90
D190XL	19.00	482.60	95
D200XL	20.00	508.00	100
D210XL	21.00	533.40	105
D220XL	22.00	558.80	110
D230XL	23.00	584.20	115
D240XL	24.00	609.60	120
D250XL	25.00	635.00	125
D260XL	26.00	660.40	130
D270XL	27.00	685.80	135
D310XL	31.00	787.40	155

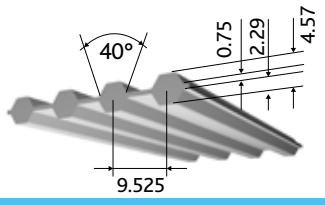


DL Pitch Double Sided Light Duty

TRANSFLEX CLASSIC

Rubber back/teeth, Glass fibre reinforced, Nylon fabric tooth facing, (3/8", 0.375", 9.525mm pitch).

Standard



DL (3/8")

Standard widths – other widths on request		
0.5" (1/2)	0.75" (3/4)	1" (1)
12.7mm	19.05mm	25.4mm

Standard stock lengths

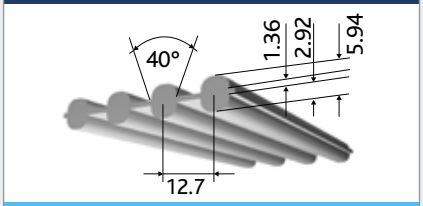
Belt ref.	Length (in)	Length (mm)	No. teeth
D187L	18.75	476.25	50
D210L	21.00	533.40	56
D225L	22.50	571.50	60
D240L	24.00	609.60	64
D255L	25.50	647.70	68
D270L	27.00	685.80	72
D285L	28.50	723.90	76
D300L	30.00	762.00	80
D322L	32.25	819.15	86
D345L	34.50	876.30	92
D367L	36.75	933.45	98
D390L	39.00	990.60	104
D420L	42.00	1066.80	112
D450L	45.00	1143.00	120
D480L	48.00	1219.20	128
D510L	51.00	1295.40	136
D540L	54.00	1371.60	144
D600L	60.00	1524.00	160

DH Pitch Double Sided Heavy Duty

TRANSFLEX CLASSIC

Rubber back/teeth, Glass fibre reinforced, Nylon fabric tooth facing, (1/2", 0.50", 12.7mm pitch).

Standard



DH (1/2")

Standard widths – other widths on request		
0.5" (1/2)	0.75" (3/4)	1" (1)
12.7mm	19.05mm	25.4mm

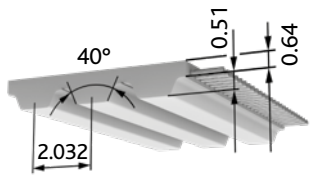
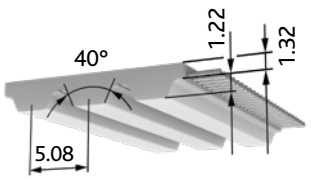
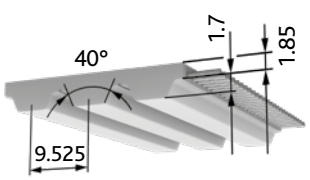
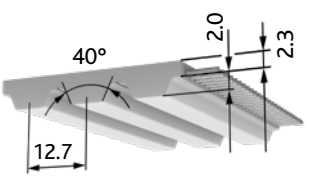
Standard stock lengths

Belt ref.	Length (in)	Length (mm)	No. teeth
D240H	24.00	609.60	48
D270H	27.00	685.80	54
D300H	30.00	762.00	60
D330H	33.00	838.20	66
D360H	36.00	914.40	72
D390H	39.00	990.60	78
D420H	42.00	1066.80	84
D450H	45.00	1143.00	90
D480H	48.00	1219.20	96
D510H	51.00	1295.40	102
D540H	54.00	1371.60	108
D570H	57.00	1447.80	114
D600H	60.00	1524.00	120
D630H	63.00	1600.20	126
D660H	66.00	1676.40	132
D700H	70.00	1778.00	140
D750H	75.00	1905.00	150
D800H	80.00	2032.00	160
D850H	85.00	2159.00	170
D900H	90.00	2286.00	180
D1000H	100.00	2540.00	200
D1100H	110.00	2794.00	220
D1250H	125.00	3175.00	250
D1400H	140.00	3556.00	280
D1700H	170.00	4318.00	340

Spiral Cut Imperial Pitch Open Length Belting

Continental

Rubber back/teeth, Glass fibre reinforced, Nylon fabric tooth facing.

Standard	Standard	Standard	Standard
			
MXL	XL (1/5")	L (3/8")	H (1/2")

Standard stock lengths

Belt type	Pitch (mm)	Width (mm)	Width (inches)	Reel length (m)	Working load (N)
MXL (Mini pitch) 0.080"	2.032	3.18	0.125	132	13
	2.032	6.35	0.250	65	27
	2.032	7.94	0.3125	52	32.5
	2.032	9.53	0.375	45	39
XL (1/5") 0.200"	5.08	6.35	0.250	48	36
	5.08	7.94	0.3125	38	44
	5.08	9.53	0.375	32	53
	5.08	12.70	0.500	23	81
L (3/8") 0.375"	9.525	9.53	0.375	75	70
	9.525	12.70	0.500	55	105
	9.525	19.05	0.750	36	180
	9.525	25.40	1.000	26	245
H (1/2") 0.5"	12.7	12.70	0.500	128	263
	12.7	19.05	0.750	84	445
	12.7	25.40	1.000	59	620
	12.7	**38.10**	1.500	38	980

Spiral Cut Imperial belt codes

XL 037 x 32mtrs

- Toothform & pitch
- Overall width (mm)
- Reel Length (mtrs)



Gates PoweRated® V-Belts

VFLEX GARDEN



THE GARDENER'S BEST FRIENDS

Quiet but tough lawn and garden belts, in all shapes and sizes.

Performance

- High degree of efficiency
- Minimal noise
- Outer fabric facilitates quiet clutch engagement
- Long service life
- Wide operating temperature range
- Extremely wear resistant
- Resists exposure to oil and dust

Application

- Extensive range, with 3L, 4L and 5L variants
- Single and double sided belts available
- Suitable for ride-on mowers, rototillers and similar equipment
- Ideal for clutch function shock loads
- Designed for reversed bending stresses from back tensioners

Construction

- Special low-friction fabric aramid cord
- Chloroprene rubber
- Wrapped fabric reinforcement





All sizes available ex stock

For Lawn & Garden Belts see page 257

BELTS PULLEYS CHAIN SPROCKETS GEARS BEARINGS LINEAR HARDWARE PLASTICS

TransDev® THE POWER IN MOTION

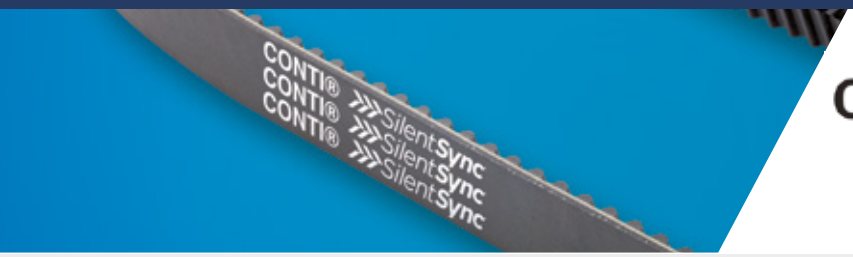
Continental

CONTI® SilentSync



- OPEN-FLANKED
- MAINTENANCE-FREE
- NO RETENSIONING REQUIRED
- TEMPERATURE RANGE -40°C TO +95°C
- MATCHING LENGTHS

CONTI® SILENTSYNC
Rubber Timing & Friction Belt Drives



CONTI® SilentSync

STRENGTH. SILENCE. EFFICIENCY.

Efficiency in power transmission drives reduces wasted energy costs Conti® Silentsync is the perfect complement for today's high efficiency rated motors.



Visit transdev.co.uk
to download a brochure

Because Vee belt and chain drives quickly lose initial tension, they typically run in the lower portion of their efficiency range. Conti® Silentsync is a self-tracking timing belt made for very quiet and reduced vibration operation, which will continually run at about 98% efficiency. This makes it an excellent choice for horizontal drives.

Problem solving alternative

Typically 20% of drives cause 80% of the maintenance problems. CONTI® SILENTSYNC requires less maintenance which means a reduction in costly downtime. CONTI® SILENTSYNC requires no lubrication – a constant concern with chain drives. Chain and V belt drives require constant re-tensioning – CONTI® SILENTSYNC, once properly installed, never requires re-tensioning.

Applications

- High energy consuming drives
- Drives that run continuously
- Drives that increase energy consumption during peak periods



SilentSync® Timing Pulleys

TransDev were one of the first companies in Europe to be awarded a licence to manufacture SilentSync® made-to-order Pulleys. We manufacture all SilentSync® pitches and belt width pulleys up to one metre diameter.

See SilentSync® Timing Pulleys – Page 330



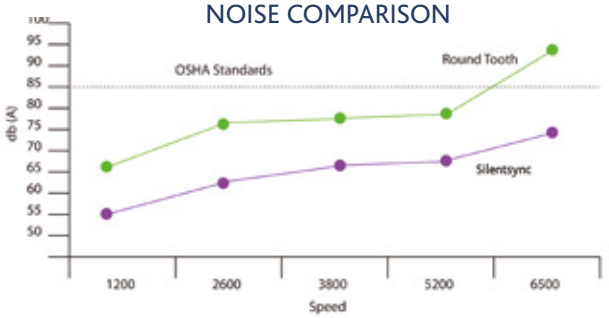
Features

- Temperature range from -40 to +95°C
- Electrically conductive (Anti-static) to ISO9563
- Very low-noise
- Low vibration
- Resistant to ageing and ozone
- Conditionally oil-resistant
- Maintenance-free to reduce downtime
- Increased horsepower
- Energy efficiency
- Reduced drive width and weight

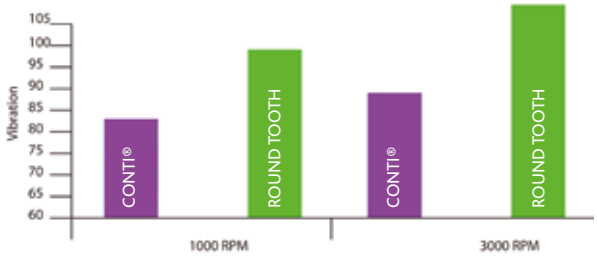
CONTI® SILENTSYNC 8M		
Profile	Width (mm)	Length range Lp (mm)
Yellow	16	640 - 2400
White	32	640 - 2400
Purple	64	720 - 1600

CONTI® SILENTSYNC14M		
Profile	Width (mm)	Length range Lp (mm)
Blue	35	994 - 3920
Green	52.5	994 - 3920
Orange	70	1120 - 3920
Red	105	1260 - 3920

NOISE COMPARISON



TOOTH ENGAGEMENT VIBRATION





SilentSync® Belts

Continental

SilentSync® 8mm

Standard belt widths

Symbol colour	Width (mm)	Pitch (mm)	Total thickness (mm)	Tooth height (mm)
Y – Yellow	16	8	5.5	3.01
W – White	32	8	5.5	3.01
P – Purple	64	8	5.5	3.01

Standard belt lengths 8mm pitch

Y – Yellow	W – White	P – Purple
Y-640	W-640	–
Y-720	W-720	P-720*
Y-800	W-800	P-800
Y-896	W-896	P-896
Y-1000	W-1000	P-1000
Y-1120	W-1120	P-1120
Y-1200	W-1200	P-1200
Y-1280	W-1280	P-1280
Y-1440	W-1440	P-1440
Y-1600	W-1600	P-1600
Y-1792	W-1792	–
Y-2000	W-2000	–
Y-2240*	W-2240	–
Y-2400	W-2400	–

* Available on request

SilentSync® 14mm

Standard belt widths

Symbol colour	Width (mm)	Pitch (mm)	Total thickness (mm)	Tooth height (mm)
B – Blue	35	14	9.1	5.30
G – Green	52.5	14	9.1	5.30
O – Orange	70	14	9.1	5.30
R – Red	105	14	9.1	5.30

Standard belt lengths 14mm pitch

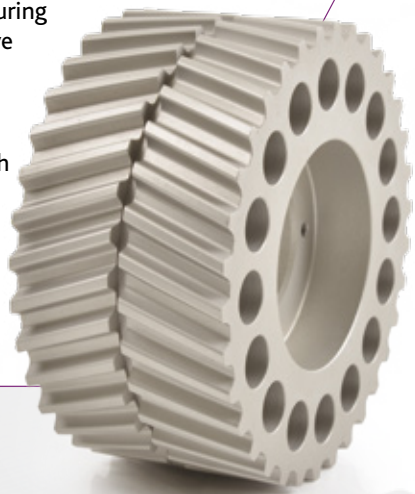
B – Blue	G – Green	O – Orange	R – Red
B-994	G-994	–	–
B-1120	G-1120	O-1120	–
B-1190	G-1190	O-1190	–
B-1260	G-1260	O-1260	R-1260
B-1400	G-1400	O-1400	R-1400
B-1568	G-1568	O-1568	R-1568
B-1750	G-1750	O-1750	R-1568
B-1960	G-1960	O-1960	R-1960
B-2100	G-2100	O-2100	R-2100
B-2240	G-2240	O-2240	R-2240
B-2380	G-2380	O-2380	R-2380
B-2520	G-2520	O-2520	R-2380
B-2660*	G-2660	O-2660	R-2660
B-2800	G-2800	O-2800	R-2800
B-3136	G-3136	O-3136	R-3136*
B-3304	G-3304*	O-3304	R-3304*
B-3500	G-3500*	O-3500*	R-3500
B-3920*	G-3920*	O-3920	R-3920*

* Available on request

SilentSync® Timing Pulleys

TransDev are one of the first companies in Europe to be awarded a licence to manufacture SilentSync® (formerly Goodyear Eagle) made-to-order Pulleys. Our achievement was in recognition of the depth of technical and production know-how, in what is one of the largest special pulley, gear and sprocket manufacturers in the European Union. We manufacture all SilentSync® pitches and belt width pulleys up to one metre diameter. For all sizes over this figure please discuss your specific requirements with our manufacturing department.

Alongside our special manufacturing capabilities we have an extensive range of pilot bore stock sizes available on short deliveries in 8mm pitch up to 224 teeth (569mm diam.) and 14mm pitch up to 168 teeth (745mm diam.) in Steel or Cast Iron depending on size.



Continental

VFLEX

V Belts



- OPEN-FLANKED
- MAINTENANCE-FREE
- NO RETIGHTENING REQUIRED
- TEMPERATURE RANGE -55°C TO +90°C
- MATCHING LENGTHS



CONTI-V® and V-FLEX® Rubber V Belts

BIG ON CHOICE BIG ON VALUE

Two quality brands and large stocks means amazing value and choice.

With the CONTI-V and Vflex rubber V belts TransDev offers two brands that together provide even more choice to buyers and users. Wherever the application and whatever the budget TransDev has a rubber V belt to meet your exact requirements.

Premium quality from the leading German manufacturers.

Uncompromising quality and value.

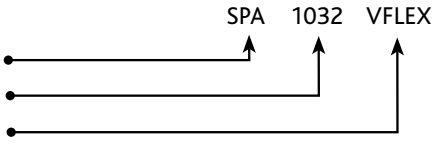
Rubber V Belts

TransDev Rubber V belts are used in belt drive transmission systems. The shape of their cross-section is trapezoidal. They can transmit much greater torques than flat belts in the same space. The increased friction greatly reduces the forces acting on the bearings.

Application

Multiple V belts can be arranged next to each other. On drives with multiple parallel V belts, however, because of stretching it is important that all belts be replaced at the same time. TransDev V belts are a robust solution that can be relied on even under harsh operating and ambient conditions. The V belts are easy to install and generate little noise in a very wide range of operating states. They enable a high transmission ratio, with exceptionally efficient power transmission under all operating conditions. They provide excellent value and performance benefits to users and buyers.

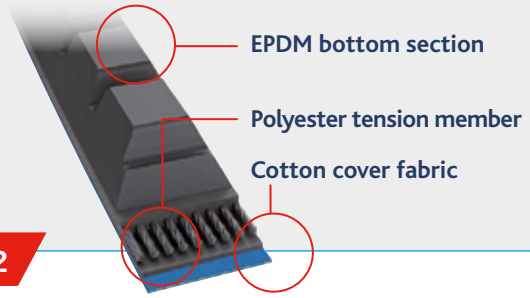
Belt code



(Belt code suffixed with brand for V-flex belts only)

CONTI®V FO PIONEER

The CONTI®V FO PIONEER is one of the most high-performance V-belts currently on the market. It is a transversely stiff raw-edge heavy-duty V-belt to DIN 7753 for powerful, sustained power transmission with enhanced running smoothness.



- High-performance EPDM compound means temperature-resistant from - 40°C to + 120°C, application-specific
- Significantly longer service life than conventional raw-edge V-belts
- Up to 20% higher performance compared with CONTI®V FO ADVANCE
- Available in XPZ, XPA, XPB and XPC profiles
- Length range from 512 mm to 2,932 mm



Visit transdev.co.uk to download a brochure

Rubber V Belts - Classical, Wedge & Raw Edge Cogged



Performance

- Easy to install
- Generates little noise
- Enable a high transmission ratio
- Exceptionally efficient power transmission
- Excellent value and performance benefits

Classical and Wedge section V belts

Classical section V belts

- Ideal for small pulley diameters
- Large sections for heavy-duty drives
- Mainly used as an aftermarket product
- Standard drives

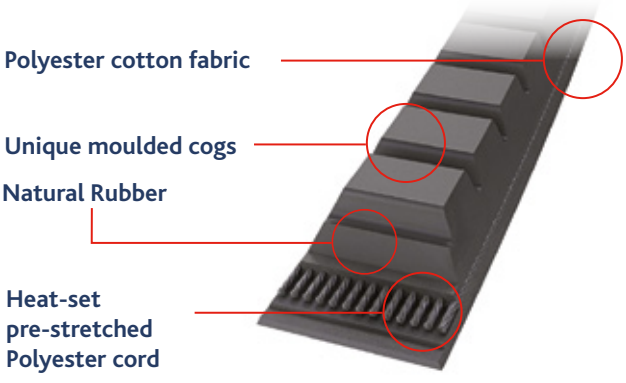
Wedge section V belts

- Higher power output thanks to large flank contact
- Better efficiency
- Energy savings
- Improved efficiency
- Lower system costs
- Narrower space requirement for same output
- Higher belt speeds
- Better heat dissipation



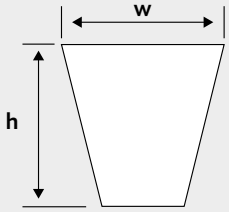
Raw edge Cogged V belts

- Can be used at relatively high ambient temperatures
- Higher power capacity
- More flexible thanks to moulded teeth
- Especially smooth running
- Low system costs
- More wear-resistant



SPZ Section Wedge Belts





V Belts to API 1B, RMA IP 20, DIN 7753, ISO4184 & BS 3790			
Section	Dimensions W x H (mm)	Min. pulley dia. PCD (mm)	Std. belt lengths (mm)
SPZ	9.7 x 8	50	487 - 3550

SPZ Section

CONTI-V®

Belt Code = Belt section, Pitch length (Lp) in mm					
SPZ0487	SPZ0825	SPZ1080	SPZ1320	SPZ1687	SPZ2160
SPZ0500	SPZ0837	SPZ1087	SPZ1337	SPZ1700	SPZ2187
SPZ0512	SPZ0850	SPZ1090	SPZ1340	SPZ1737	SPZ2200
SPZ0530	SPZ0862	SPZ1100	SPZ1347	SPZ1750	SPZ2240
SPZ0545	SPZ0875	SPZ1112	SPZ1360	SPZ1762	SPZ2262
SPZ0560	SPZ0887	SPZ1120	SPZ1362	SPZ1782	SPZ2280
SPZ0562	SPZ0900	SPZ1137	SPZ1387	SPZ1787	SPZ2287
SPZ0580	SPZ0912	SPZ1140	SPZ1400	SPZ1800	SPZ2300
SPZ0587	SPZ0922	SPZ1147	SPZ1412	SPZ1812	SPZ2360
SPZ0607	SPZ0925	SPZ1150	SPZ1420	SPZ1837	SPZ2410
SPZ0612	SPZ0937	SPZ1160	SPZ1437	SPZ1850	SPZ2437
SPZ0615	SPZ0940	SPZ1162	SPZ1450	SPZ1862	SPZ2487
SPZ0630	SPZ0950	SPZ1180	SPZ1462	SPZ1887	SPZ2500
SPZ0637	SPZ0962	SPZ1187	SPZ1470	SPZ1900	SPZ2540
SPZ0662	SPZ0975	SPZ1200	SPZ1487	SPZ1937	SPZ2587
SPZ0670	SPZ0987	SPZ1202	SPZ1500	SPZ1950	SPZ2650
SPZ0687	SPZ1000	SPZ1212	SPZ1512	SPZ1962	SPZ2690
SPZ0710	SPZ1010	SPZ1215	SPZ1520	SPZ1987	SPZ2800
SPZ0722	SPZ1012	SPZ1230	SPZ1537	SPZ2000	SPZ2840
SPZ0737	SPZ1020	SPZ1237	SPZ1550	SPZ2019	SPZ3000
SPZ0750	SPZ1024	SPZ1250	SPZ1560	SPZ2030	SPZ3070
SPZ0760	SPZ1030	SPZ1262	SPZ1562	SPZ2037	SPZ3150
SPZ0762	SPZ1037	SPZ1270	SPZ1587	SPZ2040	SPZ3170
SPZ0772	SPZ1040	SPZ1280	SPZ1600	SPZ2060	SPZ3350
SPZ0775	SPZ1047	SPZ1285	SPZ1612	SPZ2080	SPZ3550
SPZ0787	SPZ1060	SPZ1287	SPZ1637	SPZ2087	
SPZ0800	SPZ1062	SPZ1300	SPZ1650	SPZ2120	
SPZ0812	SPZ1077	SPZ1312	SPZ1662	SPZ2137	

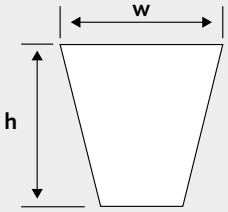
V-flex®

Belt Code = Belt section, Pitch length (Lp) in mm, VFLEX					
SPZ0487	SPZ0825	SPZ1080	SPZ1320	SPZ1687	SPZ2160
SPZ0500	SPZ0837	SPZ1087	SPZ1337	SPZ1700	SPZ2187
SPZ0512	SPZ0850	SPZ1090	SPZ1340	SPZ1737	SPZ2200
SPZ0530	SPZ0862	SPZ1100	SPZ1347	SPZ1750	SPZ2240
SPZ0545	SPZ0875	SPZ1112	SPZ1360	SPZ1762	SPZ2262
SPZ0560	SPZ0887	SPZ1120	SPZ1362	SPZ1782	SPZ2280
SPZ0562	SPZ0900	SPZ1137	SPZ1387	SPZ1787	SPZ2287
SPZ0580	SPZ0912	SPZ1140	SPZ1400	SPZ1800	SPZ2300
SPZ0587	SPZ0922	SPZ1147	SPZ1412	SPZ1812	SPZ2360
SPZ0607	SPZ0925	SPZ1150	SPZ1420	SPZ1837	SPZ2410
SPZ0612	SPZ0937	SPZ1160	SPZ1437	SPZ1850	SPZ2437
SPZ0615	SPZ0940	SPZ1162	SPZ1450	SPZ1862	SPZ2487
SPZ0630	SPZ0950	SPZ1180	SPZ1462	SPZ1887	SPZ2500
SPZ0637	SPZ0962	SPZ1187	SPZ1470	SPZ1900	SPZ2540
SPZ0662	SPZ0975	SPZ1200	SPZ1487	SPZ1937	SPZ2587
SPZ0670	SPZ0987	SPZ1202	SPZ1500	SPZ1950	SPZ2650
SPZ0687	SPZ1000	SPZ1212	SPZ1512	SPZ1962	SPZ2690
SPZ0710	SPZ1010	SPZ1215	SPZ1520	SPZ1987	SPZ2800
SPZ0722	SPZ1012	SPZ1230	SPZ1537	SPZ2000	SPZ2840
SPZ0737	SPZ1020	SPZ1237	SPZ1550	SPZ2019	SPZ3000
SPZ0750	SPZ1024	SPZ1250	SPZ1560	SPZ2030	SPZ3070
SPZ0760	SPZ1030	SPZ1262	SPZ1562	SPZ2037	SPZ3150
SPZ0762	SPZ1037	SPZ1270	SPZ1587	SPZ2040	SPZ3170
SPZ0772	SPZ1040	SPZ1280	SPZ1600	SPZ2060	SPZ3350
SPZ0775	SPZ1047	SPZ1285	SPZ1612	SPZ2080	SPZ3550
SPZ0787	SPZ1060	SPZ1287	SPZ1637	SPZ2087	
SPZ0800	SPZ1062	SPZ1300	SPZ1650	SPZ2120	
SPZ0812	SPZ1077	SPZ1312	SPZ1662	SPZ2137	

Preferred sizes available from stock

SPA Section Wedge Belts





V Belts to API 1B, RMA IP 20, DIN 7753, ISO4184 & BS 3790			
Section	Dimensions W x H (mm)	Min. pulley dia. PCD (mm)	Std. belt lengths (mm)
SPA	12.7 x 10	63	732 - 4500

SPA Section

CONTI-V®

Belt Code = Belt section, Pitch length (Lp) in mm					
SPA0707	SPA1032	SPA1340	SPA1682	SPA2120	SPA2732
SPA0732	SPA1060	SPA1357	SPA1700	SPA2132	SPA2782
SPA0750	SPA1082	SPA1360	SPA1707	SPA2180	SPA2800
SPA0757	SPA1090	SPA1367	SPA1732	SPA2182	SPA2832
SPA0782	SPA1107	SPA1382	SPA1757	SPA2207	SPA2882
SPA0800	SPA1120	SPA1400	SPA1782	SPA2232	SPA2900
SPA0807	SPA1132	SPA1407	SPA1800	SPA2240	SPA2932
SPA0825	SPA1140	SPA1425	SPA1807	SPA2282	SPA2982
SPA0832	SPA1150	SPA1432	SPA1832	SPA2300	SPA3000
SPA0850	SPA1157	SPA1450	SPA1850	SPA2307	SPA3032
SPA0857	SPA1180	SPA1457	SPA1857	SPA2332	SPA3082
SPA0875	SPA1207	SPA1482	SPA1882	SPA2360	SPA3150
SPA0882	SPA1215	SPA1487	SPA1900	SPA2382	SPA3182
SPA0900	SPA1220	SPA1500	SPA1907	SPA2430	SPA3250
SPA0907	SPA1232	SPA1507	SPA1925	SPA2432	SPA3282
SPA0925	SPA1250	SPA1532	SPA1932	SPA2482	SPA3350
SPA0932	SPA1257	SPA1550	SPA1950	SPA2500	SPA3450
SPA0950	SPA1272	SPA1557	SPA1957	SPA2532	SPA3550
SPA0957	SPA1280	SPA1582	SPA1982	SPA2580	SPA3650
SPA0967	SPA1282	SPA1600	SPA2000	SPA2582	SPA3750
SPA0982	SPA1300	SPA1607	SPA2032	SPA2607	SPA3870
SPA1000	SPA1307	SPA1632	SPA2057	SPA2632	SPA4000
SPA1007	SPA1320	SPA1650	SPA2060	SPA2650	SPA4250
SPA1020	SPA1332	SPA1657	SPA2082	SPA2720	SPA4500

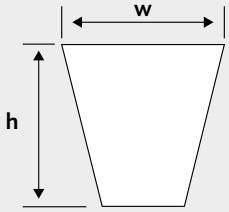
V-flex®

Belt Code = Belt section, Pitch length (Lp) in mm, VFLEX					
SPA0707	SPA1032	SPA1340	SPA1682	SPA2120	SPA2732
SPA0732	SPA1060	SPA1357	SPA1700	SPA2132	SPA2800
SPA0750	SPA1082	SPA1360	SPA1732	SPA2180	SPA2832
SPA0757	SPA1090	SPA1367	SPA1750	SPA2182	SPA2847
SPA0782	SPA1107	SPA1382	SPA1757	SPA2207	SPA2882
SPA0800	SPA1120	SPA1400	SPA1782	SPA2232	SPA2900
SPA0807	SPA1132	SPA1407	SPA1800	SPA2240	SPA2932
SPA0825	SPA1140	SPA1425	SPA1807	SPA2282	SPA2982
SPA0832	SPA1150	SPA1432	SPA1832	SPA2300	SPA3000
SPA0850	SPA1157	SPA1450	SPA1850	SPA2307	SPA3032
SPA0857	SPA1180	SPA1457	SPA1857	SPA2332	SPA3082
SPA0875	SPA1207	SPA1482	SPA1882	SPA2360	SPA3150
SPA0882	SPA1215	SPA1487	SPA1900	SPA2382	SPA3182
SPA0900	SPA1220	SPA1500	SPA1907	SPA2430	SPA3250
SPA0907	SPA1232	SPA1507	SPA1925	SPA2432	SPA3282
SPA0925	SPA1250	SPA1532	SPA1932	SPA2482	SPA3350
SPA0932	SPA1257	SPA1550	SPA1950	SPA2500	SPA3382
SPA0950	SPA1272	SPA1557	SPA1957	SPA2532	SPA3450
SPA0957	SPA1280	SPA1582	SPA1982	SPA2580	SPA3550
SPA0975	SPA1282	SPA1600	SPA2000	SPA2582	SPA3650
SPA0982	SPA1300	SPA1607	SPA2032	SPA2607	SPA3750
SPA1000	SPA1307	SPA1632	SPA2057	SPA2632	SPA4000
SPA1007	SPA1320	SPA1650	SPA2060	SPA2650	SPA4250
SPA1020	SPA1332	SPA1657	SPA2082	SPA2720	SPA4500

Preferred sizes available from stock

SPB and SPC Sections Wedge Belts





V Belts to API 1B, RMA IP 20, DIN 7753, ISO4184 & BS 3790			
Section	Dimensions W x H (mm)	Min. pulley dia. PCD (mm)	Std. belt lengths (mm)
SPB	16.3 x 13	100	1250 - 8500
SPC	22 x18	200	2000 - 12500

SPB Section

CONTI-V®

Belt Code = Belt section, Pitch length (Lp) in mm		
SPB1250	SPB2275	SPB3750
SPB1260	SPB2280	SPB3800
SPB1320	SPB2300	SPB3870
SPB1340	SPB2350	SPB4000
SPB1400	SPB2360	SPB4060
SPB1410	SPB2400	SPB4120
SPB1500	SPB2410	SPB4250
SPB1510	SPB2430	SPB4310
SPB1550	SPB2500	SPB4370
SPB1590	SPB2530	SPB4500
SPB1600	SPB2580	SPB4560
SPB1650	SPB2650	SPB4750
SPB1690	SPB2680	SPB4820
SPB1700	SPB2720	SPB5000
SPB1750	SPB2800	SPB5070
SPB1800	SPB2840	SPB5300
SPB1850	SPB2900	SPB5500
SPB1900	SPB2990	SPB5600
SPB1950	SPB3000	SPB5680
SPB2000	SPB3150	SPB6000
SPB2020	SPB3170	SPB6300
SPB2060	SPB3250	SPB6700
SPB2120	SPB3350	SPB7100
SPB2150	SPB3450	SPB7500
SPB2180	SPB3550	SPB8000
SPB2240	SPB3650	SPB8500

V-flex®

Belt Code = Belt section, Pitch length (Lp) in mm, VFLEX		
SPB1250	SPB2275	SPB3750
SPB1260	SPB2280	SPB3800
SPB1320	SPB2300	SPB3870
SPB1340	SPB2350	SPB4000
SPB1400	SPB2360	SPB4060
SPB1410	SPB2400	SPB4120
SPB1500	SPB2410	SPB4250
SPB1510	SPB2430	SPB4310
SPB1550	SPB2500	SPB4370
SPB1590	SPB2530	SPB4500
SPB1600	SPB2580	SPB4560
SPB1650	SPB2650	SPB4750
SPB1690	SPB2680	SPB4820
SPB1700	SPB2720	SPB5000
SPB1750	SPB2800	SPB5070
SPB1800	SPB2840	SPB5300
SPB1850	SPB2900	SPB5380
SPB1900	SPB2990	SPB5600
SPB1950	SPB3000	SPB5680
SPB2000	SPB3150	SPB6000
SPB2020	SPB3170	SPB6300
SPB2060	SPB3250	SPB6700
SPB2120	SPB3350	SPB7100
SPB2150	SPB3450	SPB7500
SPB2180	SPB3550	SPB8000
SPB2240	SPB3650	

SPC Section

CONTI-V®

Belt Code = Belt section, Pitch length (Lp) in mm		
SPC2000	SPC3620	SPC6700
SPC2120	SPC3750	SPC7100
SPC2240	SPC4000	SPC7500
SPC2360	SPC4100	SPC8000
SPC2500	SPC4250	SPC8500
SPC2650	SPC4500	SPC9000
SPC2800	SPC4750	SPC9500
SPC3000	SPC5000	SPC10000
SPC3150	SPC5300	SPC11800
SPC3350	SPC5600	SPC12500
SPC3500	SPC6000	
SPC3550	SPC6300	

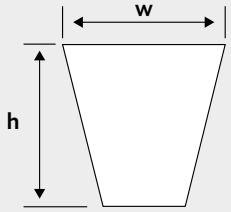
V-flex®

Belt Code = Belt section, Pitch length (Lp) in mm, VFLEX		
SPC2000	SPC3550	SPC6300
SPC2120	SPC3750	SPC6700
SPC2240	SPC4000	SPC7100
SPC2360	SPC4100	SPC7500
SPC2500	SPC4250	SPC8000
SPC2650	SPC4500	SPC8500
SPC2800	SPC4750	SPC9000
SPC3000	SPC5000	SPC9500
SPC3150	SPC5300	SPC10000
SPC3350	SPC5600	SPC11200
SPC3500	SPC6000	SPC12500

Preferred sizes available from stock

SPZ-X Section Raw Edge Moulded Cogged Wedge Belts





V Belts to RMA IP 20, DIN 7753, ISO 4184 & BS 3790			
Section	Dimensions W x H (mm)	Min. pulley dia. PCD (mm)	Std. belt lengths (mm)
SPZX	9.7 x 8	45	587 - 3550

SPZ-X Section

CONTI-V®

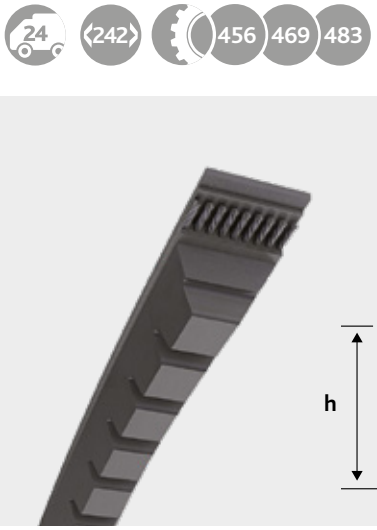
Belt Code = Belt section, Pitch length (Lp) in mm			
SPZX0587	SPZX0912	SPZX1212	SPZX1600
SPZX0612	SPZX0925	SPZX1237	SPZX1612
SPZX0630	SPZX0937	SPZX1250	SPZX1662
SPZX0637	SPZX0950	SPZX1262	SPZX1700
SPZX0660	SPZX0962	SPZX1270	SPZX1750
SPZX0662	SPZX0980	SPZX1287	SPZX1762
SPZX0670	SPZX0987	SPZX1312	SPZX1800
SPZX0687	SPZX1000	SPZX1320	SPZX1850
SPZX0690	SPZX1012	SPZX1337	SPZX1862
SPZX0710	SPZX1037	SPZX1340	SPZX1900
SPZX0722	SPZX1047	SPZX1362	SPZX1950
SPZX0737	SPZX1060	SPZX1387	SPZX2000
SPZX0750	SPZX1077	SPZX1400	SPZX2030
SPZX0762	SPZX1080	SPZX1412	SPZX2120
SPZX0772	SPZX1087	SPZX1420	SPZX2160
SPZX0787	SPZX1090	SPZX1437	SPZX2240
SPZX0800	SPZX1112	SPZX1462	SPZX2360
SPZX0812	SPZX1120	SPZX1470	SPZX2500
SPZX0820	SPZX1137	SPZX1480	SPZX2650
SPZX0825	SPZX1140	SPZX1487	SPZX2800
SPZX0837	SPZX1150	SPZX1500	SPZX3000
SPZX0850	SPZX1162	SPZX1512	SPZX3150
SPZX0862	SPZX1180	SPZX1520	SPZX3350
SPZX0875	SPZX1187	SPZX1537	SPZX3550
SPZX0887	SPZX1200	SPZX1562	
SPZX0900	SPZX1202	SPZX1587	

V-flex®

Belt Code = Belt section, Pitch length (Lp) in mm, VFLEX			
SPZX0587	SPZX0912	SPZX1212	SPZX1600
SPZX0612	SPZX0925	SPZX1237	SPZX1612
SPZX0630	SPZX0937	SPZX1250	SPZX1662
SPZX0637	SPZX0950	SPZX1262	SPZX1700
SPZX0660	SPZX0962	SPZX1270	SPZX1750
SPZX0662	SPZX0980	SPZX1287	SPZX1762
SPZX0670	SPZX0987	SPZX1300	SPZX1800
SPZX0687	SPZX1000	SPZX1312	SPZX1850
SPZX0690	SPZX1012	SPZX1320	SPZX1862
SPZX0710	SPZX1024	SPZX1337	SPZX1900
SPZX0722	SPZX1037	SPZX1340	SPZX1950
SPZX0737	SPZX1047	SPZX1362	SPZX2000
SPZX0750	SPZX1060	SPZX1387	SPZX2030
SPZX0762	SPZX1077	SPZX1400	SPZX2120
SPZX0772	SPZX1087	SPZX1412	SPZX2160
SPZX0787	SPZX1090	SPZX1420	SPZX2240
SPZX0800	SPZX1112	SPZX1437	SPZX2280
SPZX0812	SPZX1120	SPZX1462	SPZX2360
SPZX0820	SPZX1137	SPZX1480	SPZX2500
SPZX0825	SPZX1140	SPZX1487	SPZX2650
SPZX0837	SPZX1150	SPZX1500	SPZX2800
SPZX0850	SPZX1162	SPZX1512	SPZX3000
SPZX0862	SPZX1180	SPZX1520	SPZX3150
SPZX0875	SPZX1187	SPZX1537	SPZX3350
SPZX0887	SPZX1200	SPZX1562	SPZX3550
SPZX0900	SPZX1202	SPZX1587	

Preferred sizes available from stock

SPA-X, SPB-X and SPC-X Section Raw Edge Moulded Cogged Wedge Belts



V Belts to RMA IP 20, DIN 7753, ISO 4184 & BS 3790			
Section	Dimensions W x H (mm)	Min. pulley dia. PCD (mm)	Std. belt lengths (mm)
SPAX	12.7 x 10	63	732 - 3550
SPBX	16.3 x 13	100	1250 - 3550
SPCX	22 x 18	200	2000 - 3550

SPA-X Section

CONTI-V®

Belt Code = Belt section, Pitch length (Lp) in mm		
SPAX0690	SPAX1180	SPAX1550
SPAX0732	SPAX1207	SPAX1582
SPAX0757	SPAX1230	SPAX1600
SPAX0782	SPAX1232	SPAX1607
SPAX0800	SPAX1250	SPAX1632
SPAX0807	SPAX1257	SPAX1650
SPAX0832	SPAX1272	SPAX1680
SPAX0850	SPAX1280	SPAX1682
SPAX0857	SPAX1300	SPAX1700
SPAX0882	SPAX1307	SPAX1750
SPAX0900	SPAX1320	SPAX1757
SPAX0907	SPAX1332	SPAX1800
SPAX0932	SPAX1340	SPAX1900
SPAX0950	SPAX1357	SPAX2000
SPAX0957	SPAX1360	SPAX2120
SPAX0982	SPAX1382	SPAX2132
SPAX1000	SPAX1400	SPAX2240
SPAX1007	SPAX1420	SPAX2300
SPAX1030	SPAX1432	SPAX2360
SPAX1032	SPAX1457	SPAX2500
SPAX1060	SPAX1480	SPAX2650
SPAX1082	SPAX1482	SPAX2800
SPAX1107	SPAX1500	SPAX3000
SPAX1120	SPAX1507	SPAX3150
SPAX1132	SPAX1530	SPAX3350
SPAX1157	SPAX1532	SPAX3550

V-flex®

Belt Code = Belt section, Pitch length (Lp) in mm, VFLEX		
SPAX0690	SPAX1180	SPAX1550
SPAX0732	SPAX1207	SPAX1582
SPAX0757	SPAX1230	SPAX1600
SPAX0782	SPAX1232	SPAX1607
SPAX0800	SPAX1250	SPAX1632
SPAX0807	SPAX1257	SPAX1650
SPAX0832	SPAX1272	SPAX1680
SPAX0850	SPAX1280	SPAX1682
SPAX0857	SPAX1300	SPAX1700
SPAX0882	SPAX1307	SPAX1750
SPAX0900	SPAX1320	SPAX1757
SPAX0907	SPAX1332	SPAX1800
SPAX0932	SPAX1340	SPAX1900
SPAX0950	SPAX1357	SPAX2000
SPAX0957	SPAX1360	SPAX2120
SPAX0982	SPAX1382	SPAX2132
SPAX1000	SPAX1400	SPAX2240
SPAX1007	SPAX1420	SPAX2300
SPAX1030	SPAX1432	SPAX2360
SPAX1032	SPAX1457	SPAX2500
SPAX1060	SPAX1480	SPAX2650
SPAX1082	SPAX1482	SPAX2800
SPAX1107	SPAX1500	SPAX3000
SPAX1120	SPAX1507	SPAX3150
SPAX1132	SPAX1530	SPAX3350
SPAX1157	SPAX1532	SPAX3550

SPB-X Section

CONTI-V®

Belt Code = Belt section, Pitch length (Lp) in mm		
SPBX1250	SPBX1800	SPBX 2500
SPBX1320	SPBX1850	SPBX2530
SPBX1340	SPBX1900	SPBX2650
SPBX1400	SPBX2000	SPBX2680
SPBX1450	SPBX2020	SPBX2800
SPBX1500	SPBX2060	SPBX2840
SPBX1600	SPBX2120	SPBX3000
SPBX1650	SPBX2240	SPBX3150
SPBX1700	SPBX2360	SPBX3350
SPBX1750	SPBX2410	SPBX3550

V-flex®

Belt Code = Belt section, Pitch length (Lp) in mm, VFLEX		
SPBX1250	SPBX1800	SPBX2530
SPBX1320	SPBX1900	SPBX2650
SPBX1340	SPBX2000	SPBX2680
SPBX1400	SPBX2020	SPBX2800
SPBX1450	SPBX2120	SPBX2840
SPBX1500	SPBX2240	SPBX3000
SPBX1600	SPBX2360	SPBX3150
SPBX1700	SPBX2410	SPBX3350
SPBX1750	SPBX 2500	SPBX3550

SPC-X Section

CONTI-V®

Belt Code = Belt section, Pitch length (Lp) in mm
SPCX2000
SPCX2120
SPCX2240
SPCX2360
SPCX2500
SPCX2650
SPCX2800
SPCX3000
SPCX3150
SPCX3350
SPCX3550

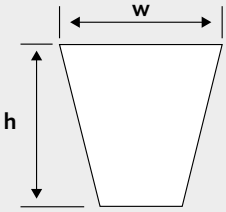
V-flex®

Belt Code = Belt section, Pitch length (Lp) in mm, VFLEX
SPCX2000
SPCX2120
SPCX2240
SPCX2360
SPCX2500
SPCX2650
SPCX2800
SPCX3000
SPCX3150
SPCX3350
SPCX3550

Preferred sizes available from stock

Z Section Classical Wrapped Belts





Classical V Belts			
Section	Dimensions W x H (mm)	Min. pulley dia. PCD (mm)	Std. belt lengths (mm)
Z	10 x 6	50	483- 1981

Z Section

CONTI-V®

Belt Code = Belt section, Inside length (Li) in inches					
Z18	Z27	Z34.5	Z42	Z52	Z66
Z19	Z28	Z35	Z42.5	Z53	Z67
Z19.5	Z28.5	Z35.5	Z43	Z54	Z68
Z20	Z29	Z36	Z43.5	Z55	Z69
Z20.5	Z29.5	Z37	Z44	Z56	Z70
Z21	Z30	Z37.5	Z45	Z57	Z71
Z22	Z30.5	Z38	Z46	Z58	Z72
Z22.5	Z31	Z38.5	Z46.5	Z59	Z73
Z23	Z31.5	Z39	Z47	Z60	Z75
Z23.5	Z32	Z39.5	Z48	Z61	Z78
Z24	Z32.5	Z40	Z48.5	Z62	Z79
Z25	Z33	Z40.5	Z49	Z63	Z80
Z26	Z33.5	Z41	Z50	Z64	Z88
Z26.5	Z34	Z41.5	Z51	Z65	Z93

V-flex®

Belt Code = Belt section, Inside length (Li) in inches, VFLEX					
Z18	Z27	Z34.5	Z42	Z52	Z66
Z19	Z28	Z35	Z42.5	Z53	Z67
Z19.5	Z28.5	Z35.5	Z43	Z54	Z68
Z20	Z29	Z36	Z43.5	Z55	Z69
Z20.5	Z29.5	Z37	Z44	Z56	Z70
Z21	Z30	Z37.5	Z45	Z57	Z71
Z21.5	Z30.5	Z38	Z46	Z58	Z72
Z22	Z31	Z38.5	Z46.5	Z59	Z73
Z23	Z31.5	Z39	Z47	Z60	Z75
Z23.5	Z32	Z39.5	Z48	Z61	Z78
Z24	Z32.5	Z40	Z48.5	Z62	Z79
Z25	Z33	Z40.5	Z49	Z63	Z80
Z26	Z33.5	Z41	Z50	Z64	Z88
Z26.5	Z34	Z41.5	Z51	Z65	Z93

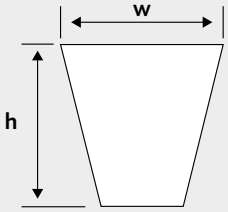
Preferred sizes available from stock



See Design Software – Page 30

A Section Classical Wrapped Belts





Classical V Belts			
Section	Dimensions W x H (mm)	Min. pulley dia. PCD (mm)	Std. belt lengths (mm)
A	13 x 8	63	457 - 5004

A Section

CONTI-V®

Belt Code = Belt section, Inside length (Li) in inches				
A18	A36	A54	A83.5	A114
A19	A36.5	A55	A84	A115
A20	A37	A56	A85	A116
A21	A37.5	A57	A86	A118
A22	A38	A58	A87	A120
A22.5	A38.5	A59	A88	A124
A23	A39	A60	A89	A128
A23.5	A39.5	A61	A90	A130
A24	A40	A62	A91	A132
A25	A40.5	A63	A92	A134
A25.5	A41	A64	A93	A136
A26	A41.5	A65	A94	A138
A26.5	A42	A66	A95	A140
A27	A42.5	A67	A96	A144
A27.5	A43	A68	A97	A148
A28	A43.5	A69	A98	A153
A29	A44	A70	A99	A154
A29.5	A45	A71	A100	A158
A30	A45.5	A72	A101	A160
A30.5	A46	A73	A102	A162
A31	A46.5	A74	A103	A167
A31.5	A47	A75	A104	A173
A32	A47.5	A76	A105	A176
A32.5	A48	A77	A106	A177
A33	A48.5	A78	A107	A180
A33.5	A49	A79	A108	A187
A34	A50	A80	A109	A190
A34.5	A51	A81	A110	A195
A35	A52	A82	A112	A197
A35.5	A53	A83	A113	A210

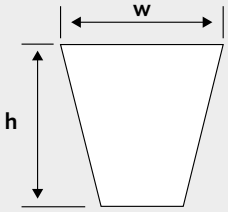
V-flex®

Belt Code = Belt section, Inside length (Li) in inches, VFLEX				
A18	A36	A54	A83.5	A114
A19	A36.5	A55	A84	A115
A20	A37	A56	A85	A116
A21	A37.5	A57	A86	A118
A22	A38	A58	A87	A120
A22.5	A38.5	A59	A88	A124
A23	A39	A60	A89	A126
A23.5	A39.5	A61	A90	A128
A24	A40	A62	A91	A132
A25	A40.5	A63	A92	A134
A25.5	A41	A64	A93	A136
A26	A41.5	A65	A94	A138
A26.5	A42	A66	A95	A140
A27	A42.5	A67	A96	A144
A27.5	A43	A68	A97	A148
A28	A43.5	A69	A98	A153
A29	A44	A70	A99	A154
A29.5	A45	A71	A100	A158
A30	A45.5	A72	A101	A160
A30.5	A46	A73	A102	A162
A31	A46.5	A74	A103	A167
A31.5	A47	A75	A104	A173
A32	A47.5	A76	A105	A176
A32.5	A48	A77	A106	A177
A33	A48.5	A78	A107	A180
A33.5	A49	A79	A108	A187
A34	A50	A80	A109	A190
A34.5	A51	A81	A110	A195
A35	A52	A82	A112	A197
A35.5	A53	A83	A113	A210

Preferred sizes available from stock

B Section Classical Wrapped Belts





Classical V Belts			
Section	Dimensions W x H (mm)	Min. pulley dia. PCD (mm)	Std. belt lengths (mm)
B	17 x 11	100	572 -6300

B Section

CONTI-V®

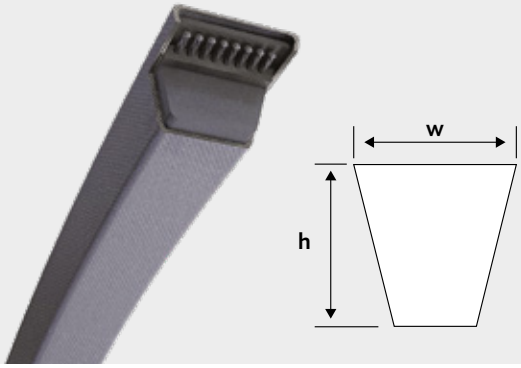
Belt Code = Belt section, Inside length (Li) in inches					
B22.5	B38.5	B58	B86	B118	B162
B23	B39	B59	B87	B120	B164
B24	B39.5	B60	B88	B122	B165
B25	B40	B61	B89	B124	B167
B25.5	B40.5	B62	B90	B125	B168
B26	B41	B63	B91	B126	B170
B26.5	B42	B64	B92	B128	B173
B27	B42.5	B65	B94	B130	B175
B28	B43	B66	B95	B131	B177
B28.5	B43.5	B67	B96	B132	B180
B29	B44	B68	B97	B133	B185
B29.5	B45	B69	B98	B134	B187
B30	B45.5	B70	B99	B135	B192
B31	B46	B71	B100	B136	B195
B31.5	B46.5	B72	B101	B138	B197
B32	B47	B73	B102	B140	B200
B32.5	B48	B74	B103	B142	B204
B33	B48.5	B75	B104	B144	B208
B33.5	B49	B76	B105	B146	B210
B34	B50	B77	B106	B147	B217
B34.5	B51	B78	B107	B148	B220
B35	B52	B79	B108	B150	B224
B35.5	B52.5	B80	B109	B151	B225
B36	B53	B81	B110	B152	B226
B36.5	B54	B82	B112	B154	B236
B37	B55	B83	B114	B155	B238
B37.5	B56	B84	B115	B156	B240
B38	B57	B85	B116	B158	B248

V-flex®

Belt Code = Belt section, Inside length (Li) in inches, VFLEX					
B22.5	B38.5	B58	B86	B118	B162
B23	B39	B59	B87	B120	B164
B24	B39.5	B60	B88	B122	B165
B25	B40	B61	B89	B124	B167
B25.5	B40.5	B62	B90	B125	B168
B26	B41	B63	B91	B126	B170
B26.5	B42	B64	B92	B128	B173
B27	B42.5	B65	B94	B130	B175
B28	B43	B66	B95	B131	B177
B28.5	B43.5	B67	B96	B132	B180
B29	B44	B68	B97	B133	B185
B29.5	B45	B69	B98	B134	B187
B30	B45.5	B70	B99	B135	B192
B31	B46	B71	B100	B136	B195
B31.5	B46.5	B72	B101	B138	B197
B32	B47	B73	B102	B140	B200
B32.5	B48	B74	B103	B142	B204
B33	B48.5	B75	B104	B144	B208
B33.5	B49	B76	B105	B146	B210
B34	B50	B77	B106	B147	B217
B34.5	B51	B78	B107	B148	B220
B35	B52	B79	B108	B150	B224
B35.5	B52.5	B80	B109	B151	B225
B36	B53	B81	B110	B152	B226
B36.5	B54	B82	B112	B154	B236
B37	B55	B83	B114	B155	B238
B37.5	B56	B84	B115	B156	B240
B38	B57	B85	B116	B158	B248

Preferred sizes available from stock

C Section Classical Wrapped Belts



Classical V Belts			
Section	Dimensions W x H (mm)	Min. pulley dia. PCD (mm)	Std. belt lengths (mm)
C	22 x 14	200	1016 - 9144

C Section

CONTI-V®

Belt Code = Belt section, Inside length (Li) in inches					
C40	C65	C90	C120	C166	C248
C41	C66	C92	C122	C168	C250
C42	C67	C93	C124	C170	C255
C43	C68	C94	C126	C173	C256
C44	C69	C95	C128	C175	C264
C45	C70	C96	C130	C177	C265
C46	C71	C97	C132	C179	C268
C47	C72	C98	C134	C180	C270
C48	C73	C99	C136	C185	C276
C49	C74	C100	C138	C186	C280
C50	C75	C101	C140	C187	C285
C51	C76	C102	C141	C190	C295
C52	C77	C103	C142	C195	C297
C53	C78	C104	C143	C197	C300
C54	C79	C105	C144	C200	C303
C55	C80	C106	C146	C204	C314
C56	C81	C108	C148	C208	C316
C57	C82	C110	C150	C210	C330
C58	C83	C111	C152	C216	C336
C59	C84	C112	C154	C222	C345
C60	C85	C114	C158	C225	C360
C61	C86	C115	C160	C228	C394
C62	C87	C116	C161	C236	C420
C63	C88	C117	C162	C238	C424
C64	C89	C118	C164	C240	

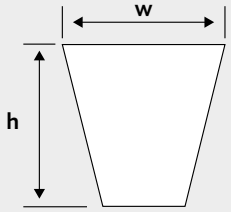
V-flex®

Belt Code = Belt section, Inside length (Li) in inches, VFLEX					
C40	C65	C90	C120	C166	C248
C41	C66	C92	C122	C168	C250
C42	C67	C93	C124	C170	C255
C43	C68	C94	C126	C173	C256
C44	C69	C95	C128	C175	C264
C45	C70	C96	C130	C177	C265
C46	C71	C97	C132	C179	C268
C47	C72	C98	C134	C180	C270
C48	C73	C99	C136	C185	C276
C49	C74	C100	C138	C186	C280
C50	C75	C101	C140	C187	C285
C51	C76	C102	C141	C190	C295
C52	C77	C103	C142	C195	C297
C53	C78	C104	C143	C197	C300
C54	C79	C105	C144	C200	C303
C55	C80	C106	C146	C204	C314
C56	C81	C108	C148	C208	C316
C57	C82	C110	C150	C210	C330
C58	C83	C111	C152	C216	C336
C59	C84	C112	C154	C222	C345
C60	C85	C114	C158	C225	C360
C61	C86	C115	C160	C228	C394
C62	C87	C116	C161	C236	C420
C63	C88	C117	C162	C238	C424
C64	C89	C118	C164	C240	

Preferred sizes available from stock

ZX Section Raw Edge Moulded Cogged Belts





ZX Raw Edge Moulded Cogged Belts			
Section	Dimensions W x H (mm)	Min. pulley dia. PCD (mm)	Std. belt lengths (mm)
ZX	10 X 6	50	318-1092

ZX Section

CONTI-V®

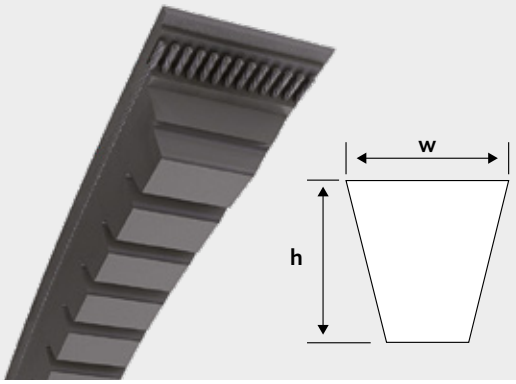
Belt Code = Belt section, Inside length (Li) in inches			
ZX12.5	ZX21.75	ZX31.5	ZX40.5
ZX14	ZX22	ZX32	ZX41.5
ZX15	ZX23	ZX33	ZX42
ZX16	ZX24	ZX33.5	ZX43
ZX17	ZX25	ZX34	ZX44
ZX18	ZX26	ZX35	ZX46.5
ZX19	ZX27	ZX36	ZX48
ZX19.75	ZX28	ZX37	ZX52
ZX20	ZX29	ZX38	ZX55
ZX20.5	ZX29.5	ZX38.5	ZX56
ZX21	ZX30	ZX39	ZX64
ZX21.25	ZX31	ZX40	ZX68

Preferred sizes available from stock



See V Pulleys – Page 443

AX Section Raw Edge Moulded Cogged Belts



AX Raw Edge Moulded Cogged Belts			
Section	Dimensions W x H (mm)	Min. pulley dia. PCD (mm)	Std. belt lengths (mm)
AX	13 X 8	63	483 - 2591

AX Section

CONTI-V®

Belt Code = Belt section, Inside length (Li) in inches					
AX19	AX30	AX40	AX53	AX69	AX84
AX20	AX31	AX41	AX54	AX70	AX85
AX21	AX31.5	AX42	AX55	AX71	AX86
AX22	AX32	AX43	AX56	AX72	AX87
AX23	AX32.5	AX44	AX57	AX73	AX88
AX23.5	AX33	AX45	AX58	AX74	AX89
AX24	AX34	AX45.5	AX59	AX75	AX90
AX25	AX35	AX46	AX61	AX76	AX93
AX26	AX35.5	AX46.5	AX62	AX77	AX100
AX26.5	AX36	AX47	AX63	AX78	AX102
AX27	AX37	AX48	AX64	AX79	AX104
AX27.5	AX37.5	AX49	AX65	AX80	AX110
AX28	AX38	AX50	AX66	AX81	AX116
AX29	AX38.5	AX51	AX67	AX82	AX118
AX29.5	AX39	AX52	AX68	AX83	

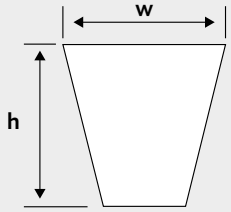
V-flex®

Belt Code = Belt section, Inside length (Li) in inches, VFLEX					
AX19	AX30	AX40	AX53	AX69	AX84
AX20	AX31	AX41	AX54	AX70	AX85
AX21	AX31.5	AX42	AX55	AX71	AX86
AX22	AX32	AX43	AX56	AX72	AX87
AX23	AX32.5	AX44	AX57	AX73	AX88
AX23.5	AX33	AX45	AX58	AX74	AX89
AX24	AX34	AX45.5	AX59	AX75	AX90
AX25	AX35	AX46	AX61	AX76	AX93
AX26	AX35.5	AX46.5	AX62	AX77	AX100
AX26.5	AX36	AX47	AX63	AX78	AX102
AX27	AX37	AX48	AX64	AX79	AX104
AX27.5	AX37.5	AX49	AX65	AX80	AX110
AX28	AX38	AX50	AX66	AX81	AX116
AX29	AX38.5	AX51	AX67	AX82	AX118
AX29.5	AX39	AX52	AX68	AX83	

Preferred sizes available from stock

BX Section Raw Edge Moulded Cogged Belts





BX Raw Edge Moulded Cogged Belts			
Section	Dimensions W x H (mm)	Min. pulley dia. PCD (mm)	Std. belt lengths (mm)
BX	17 X 11	100	584 - 3150

BX Section

CONTI-V®

Belt Code = Belt section, Inside length (Li) in inches					
BX23	BX35	BX48	BX61	BX75	BX88
BX24	BX36	BX49	BX62	BX76	BX89
BX25	BX37	BX50	BX63	BX77	BX90
BX26	BX38	BX51	BX64	BX78	BX91
BX26.5	BX39	BX52	BX66	BX79	BX92
BX28	BX40	BX53	BX67	BX80	BX93
BX29	BX41	BX54	BX68	BX81	BX94
BX30	BX42	BX55	BX69	BX82	BX95
BX31	BX43	BX56	BX70	BX83	BX98
BX32	BX44	BX57	BX71	BX84	BX108
BX32.5	BX45	BX58	BX72	BX85	BX124
BX33	BX46	BX59	BX73	BX86	
BX34	BX47	BX60	BX74	BX87	

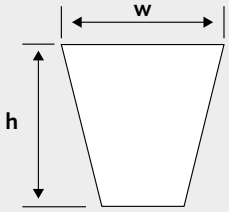
V-flex®

Belt Code = Belt section, Inside length (Li) in inches, VFLEX					
BX23	BX35	BX48	BX61	BX75	BX88
BX24	BX36	BX49	BX62	BX76	BX89
BX25	BX37	BX50	BX63	BX77	BX90
BX26	BX38	BX51	BX64	BX78	BX91
BX26.5	BX39	BX52	BX66	BX79	BX92
BX28	BX40	BX53	BX67	BX80	BX93
BX29	BX41	BX54	BX68	BX81	BX94
BX30	BX42	BX55	BX69	BX82	BX95
BX31	BX43	BX56	BX70	BX83	BX98
BX32	BX44	BX57	BX71	BX84	BX108
BX32.5	BX45	BX58	BX72	BX85	BX124
BX33	BX46	BX59	BX73	BX86	
BX34	BX47	BX60	BX74	BX87	

Preferred sizes available from stock

CX Section Raw Edge Moulded Cogged Belts





CX Raw Edge Moulded Cogged Belts			
Section	Dimensions W x H (mm)	Min. pulley dia. PCD (mm)	Std. belt lengths (mm)
CX	22 X 14	200	1092 - 2489

CX Section

CONTI-V®

Belt Code = Belt section, Inside length (Li) in inches			
CX43	CX55	CX76	CX93
CX44	CX59	CX79	CX96
CX46	CX62	CX81	CX98
CX47	CX67	CX85	CX110
CX48	CX68	CX86	CX118
CX49	CX70	CX88	
CX52	CX71	CX90	

V-flex®

Belt Code = Belt section, Inside length (Li) in inches, VFLEX			
CX43	CX55	CX76	CX93
CX44	CX59	CX79	CX96
CX46	CX62	CX81	CX98
CX47	CX67	CX85	CX110
CX48	CX68	CX86	CX118
CX49	CX70	CX88	
CX52	CX71	CX90	

Preferred sizes available from stock



See **Poly V Belts – Page 267**

Gates PoweRated® V-Belts

VFLEX GARDEN

Lawn & Garden Belts



- HIGH EFFICIENCY
- LOW NOISE
- LONG SERVICE LIFE
- ROBUST AND WEAR RESISTANT
- EXTENSIVE RANGE
- SINGLE AND DOUBLE SIDED VARIANTS



GATES and V-FLEX®
Lawn and Garden V Belts

THE GARDENER'S BEST FRIENDS

Two quality brands and large stocks means amazing value and choice.



PoweRated® V-Belts

VFLEX GARDEN



Visit transdev.co.uk
to download a brochure

Gates PoweRated® V-Belts

Whether you're looking for V-belts resistant to heat, oil and cracking, or universally constructed V-belts for a wide array of commercial and residential lawn and garden applications, find the exact fit, power and performance you'll only get with Gates.

PoweRated® V-Belts are designed as an alternative to conventional light-duty belts, with high-performance construction to deliver more horsepower, less stretch, and provide longer service life. PoweRated® belts are suitable for outdoor power equipment, appliances, and industrial applications where Fractional Horsepower (FHP) belts are typically used.

V-FLEX® Lawn and Garden V-Belts

The Vflex range compliments our Gates PoweRated® V-Belts by adding even more sizes as well as a double sided offering.



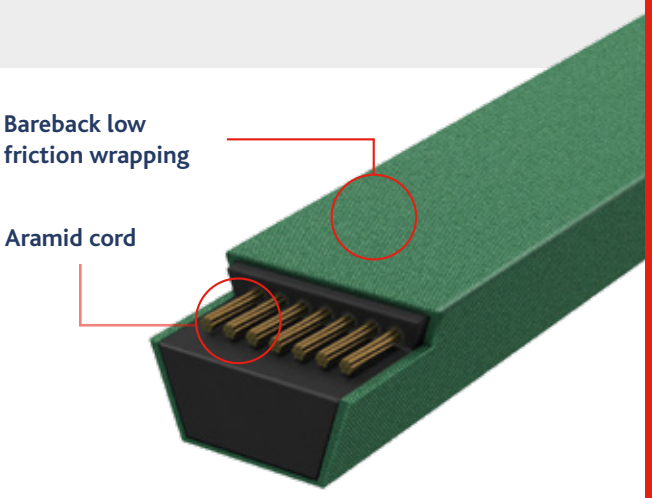
Construction

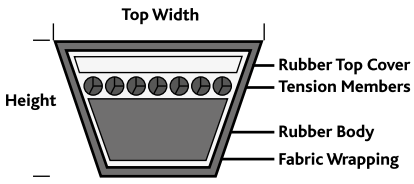
Outer fabric

The distinct green bareback construction low friction wrapping provides smooth clutching operation on shock loaded, backside-idler-driven equipment.

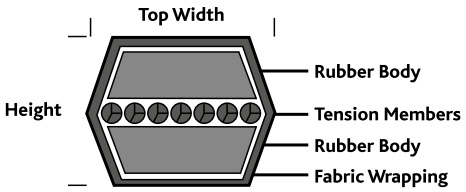
Aramid cord

The Aramid cord ensures high tensile strength and resistance





Single sided belt 3L/4L/5L



Double sided belt AA/BB

Features

- High degree of efficiency
- Minimum noise build-up
- Outer fabric facilitates quiet clutch engagement
- Long service life
- Wide operating temperature range
- Extremely wear resistant
- Resists exposure to oil and dust

Application

- Extensive range, with 3L, 4L and 5L variants
- Single and doublesided belts available
- Suitable for ride-on mowers, rototillers and similar equipment
- Ideal for clutch function shock loads
- Designed for reversed bending stresses from back tensioners

Properties

The wrapped belts 3L, 4L and 5L have been developed expressly for machines with a clutch action and for applications in which belts are used with a back-tensioner.

Continental

FOR POWER AND ENDURANCE IN EXTREME TEMPERATURES



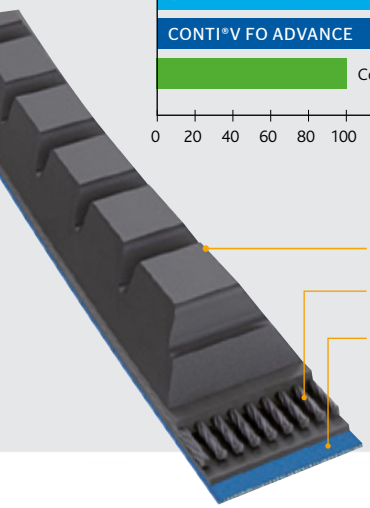
Transversely stiff raw-edge heavy-duty V-belt to DIN 7753 for powerful, sustained power transmission with enhanced running smoothness

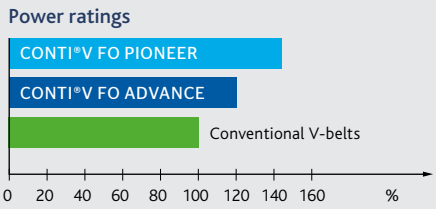
The ContiTech Power Transmission Group has developed one of the most high-performance V-belts currently on the market. Thanks to its high-performance EPDM compound, friction-fit drives in extreme temperature ranges can now also be achieved. Furthermore, it has a significantly longer service life than conventional raw-edge V-belts. It can be used throughout the mechanical engineering sector and also replaces existing drives cost-effectively.

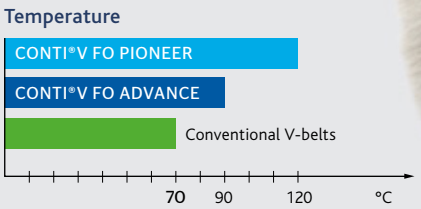
- Temperature-resistant from - 40°C to + 120°C, application-specific
- Up to 20% higher performance compared with CONTI®V FO ADVANCE
- Available in XPZ, XPA, XPB and XPC profiles
- Length range from 512 mm to 2,932 mm.

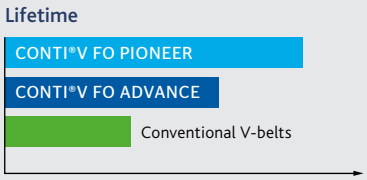


The compound makes the difference







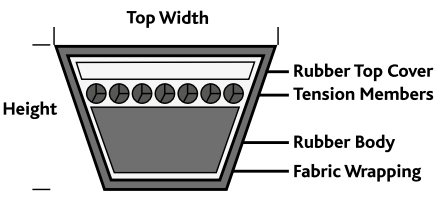


For CONTI® Pioneer see page 242

BELTS PULLEYS CHAIN SPROCKETS GEARS BEARINGS LINEAR HARDWARE PLASTICS

TransDev®
THE POWER IN MOTION

3L Single Sided V Belts



Profile	Top width (mm)	Height (mm)
3L	10	6

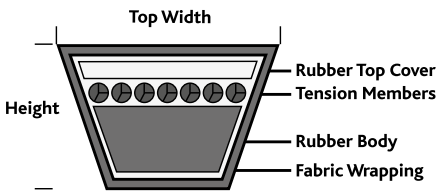
Profile	Outside length (1/10")	TransDev Part No.	Standard ref.	Dayco ref.	Gates ref.
3L	160	**RG3L160***	Z14.5	XDV38/160	6716
3L	170	**RG3L170***	Z15.5	XDV38/170	6717
3L	180	**RG3L180**	Z16.5	XDV38/180	6718
3L	190	**RG3L190**	Z17.5	XDV38/190	6719
3L	200	**RG3L200**	Z18.5	XDV38/200	6720
3L	210	**RG3L210**	Z19.5	XDV38/210	6721
3L	220	**RG3L220**	Z20.5	XDV38/220	6722
3L	230	**RG3L230**	Z21.5	XDV38/230	6723
3L	240	**RG3L240**	Z22.5	XDV38/240	6724
3L	250	**RG3L250**	Z23.5	XDV38/250	6725
3L	260	**RG3L260**	Z24.5	XDV38/260	6726
3L	270	**RG3L270**	Z25.5	XDV38/270	6727
3L	280	**RG3L280**	Z26.5	XDV38/280	6728
3L	290	**RG3L290**	Z27.5	XDV38/290	6729
3L	300	**RG3L300**	Z28.5	XDV38/300	6730
3L	310	**RG3L310**	Z29.5	XDV38/310	6731
3L	320	**RG3L320**	Z30.5	XDV38/320	6732
3L	330	**RG3L330**	Z31.5	XDV38/330	6733
3L	340	**RG3L340**	Z32.5	XDV38/340	6734
3L	350	**RG3L350**	Z33.5	XDV38/350	6735
3L	360	**RG3L360**	Z34.5	XDV38/360	6736
3L	370	**RG3L370**	Z35.5	XDV38/370	6737
3L	380	**RG3L380**	Z36.5	XDV38/380	6738
3L	390	**RG3L390**	Z37.5	XDV38/390	6739
3L	400	**RG3L400**	Z38.5	XDV38/400	6740
3L	410	**RG3L410**	Z39.5	XDV38/410	6741
3L	420	**RG3L420**	Z40.5	XDV38/420	6742

Profile	Outside length (1/10")	TransDev Part No.	Standard ref.	Dayco ref.	Gates ref.
3L	430	**RG3L430**	Z41.5	XDV38/430	6743
3L	440	**RG3L440**	Z42.5	XDV38/440	6744
3L	450	**RG3L450**	Z43.5	XDV38/450	6745
3L	460	**RG3L460**	Z44.5	XDV38/460	6746
3L	470	**RG3L470**	Z45.5	XDV38/470	6747
3L	480	**RG3L480**	Z46.5	XDV38/480	6748
3L	490	**RG3L490**	Z47.5	XDV38/490	6749
3L	500	**RG3L500**	Z48.5	XDV38/500	6750
3L	510	**RG3L510**	Z49.5	XDV38/510	6751
3L	520	**RG3L520**	Z50.5	XDV38/520	6752
3L	530	**RG3L530**	Z51.5	XDV38/530	6753
3L	540	**RG3L540**	Z52.5	XDV38/540	6754
3L	550	**RG3L550**	Z53.5	XDV38/550	6755
3L	560	**RG3L560**	Z54.5	XDV38/560	6756
3L	570	**RG3L570**	Z55.5	XDV38/570	6757
3L	580	**RG3L580**	Z56.5	XDV38/580	6758
3L	590	**RG3L590**	Z57.5	XDV38/590	6759
3L	600	**RG3L600**	Z58.5	XDV38/600	6760
3L	610	**RG3L610**	Z59.5	XDV38/610	6761
3L	620	**RG3L620**	Z60.5	XDV38/620	6762
3L	630	**RG3L630**	Z61.5	XDV38/630	6763
3L	640	**RG3L640**	Z62.5	XDV38/640	6764
3L	650	**RG3L650**	Z63.5	XDV38/650	6765
3L	690	**RG3L690**	Z67.5	XDV38/690	6769
3L	710	**RG3L710**	Z69.5	XDV38/710	6771
3L	740	**RG3L740**	Z72.5	XDV38/740	6774
3L	750	**RG3L750**	Z73.5	XDV38/750	6775

*Available special order
Alternative, equivalent brands, may be offered on certain sizes.

4L Single Sided V Belts

Standard



4L

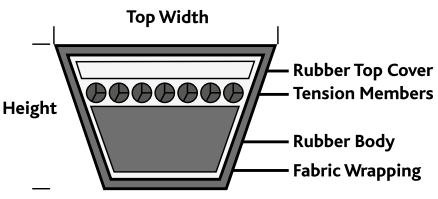
Profile	Top width (mm)	Height (mm)
4L	13	7

Profile	Outside length (1/10")	TransDev Part No.	Standard ref.	Dayco ref.	Gates ref.
4L	170	**RG4L170***	A15	XDV48/170	6817
4L	180	**RG4L180***	A16	XDV48/180	6818
4L	190	**RG4L190**	A17	XDV48/190	6819
4L	200	**RG4L200**	A18	XDV48/200	6820
4L	210	**RG4L210**	A19	XDV48/210	6821
4L	220	**RG4L220**	A20	XDV48/220	6822
4L	230	**RG4L230**	A21	XDV48/230	6823
4L	240	**RG4L240**	A22	XDV48/240	6824
4L	250	**RG4L250**	A23	XDV48/250	6825
4L	260	**RG4L260**	A24	XDV48/260	6826
4L	270	**RG4L270**	A25	XDV48/270	6827
4L	280	**RG4L280**	A26	XDV48/280	6828
4L	290	**RG4L290**	A27	XDV48/290	6829
4L	300	**RG4L300**	A28	XDV48/300	6830
4L	310	**RG4L310**	A29	XDV48/310	6831
4L	320	**RG4L320**	A30	XDV48/320	6832
4L	330	**RG4L330**	A31	XDV48/330	6833
4L	340	**RG4L340**	A32	XDV48/340	6834
4L	350	**RG4L350**	A33	XDV48/350	6835
4L	360	**RG4L360**	A34	XDV48/360	6836
4L	370	**RG4L370**	A35	XDV48/370	6837
4L	380	**RG4L380**	A36	XDV48/380	6838
4L	390	**RG4L390**	A37	XDV48/390	6839
4L	400	**RG4L400**	A38	XDV48/400	6840
4L	410	**RG4L410**	A39	XDV48/410	6841
4L	420	**RG4L420**	A40	XDV48/420	6842
4L	430	**RG4L430**	A41	XDV48/430	6843

Profile	Outside length (1/10")	TransDev Part No.	Standard ref.	Dayco ref.	Gates ref.
4L	440	**RG4L440**	A42	XDV48/440	6844
4L	450	**RG4L450**	A43	XDV48/450	6845
4L	460	**RG4L460**	A44	XDV48/460	6846
4L	470	**RG4L470**	A45	XDV48/470	6847
4L	480	**RG4L480**	A46	XDV48/480	6848
4L	490	**RG4L490**	A47	XDV48/490	6849
4L	500	**RG4L500**	A48	XDV48/500	6850
4L	510	**RG4L510**	A49	XDV48/510	6851
4L	520	**RG4L520**	A50	XDV48/520	6852
4L	530	**RG4L530**	A51	XDV48/530	6853
4L	540	**RG4L540**	A52	XDV48/540	6854
4L	550	**RG4L550**	A53	XDV48/550	6855
4L	560	**RG4L560**	A54	XDV48/560	6856
4L	570	**RG4L570**	A55	XDV48/570	6857
4L	580	**RG4L580**	A56	XDV48/580	6858
4L	590	**RG4L590**	A57	XDV48/590	6859
4L	600	**RG4L600**	A58	XDV48/600	6860
4L	610	**RG4L610**	A59	XDV48/610	6861
4L	620	**RG4L620**	A60	XDV48/620	6862
4L	630	**RG4L630**	A61	XDV48/630	6863
4L	640	**RG4L640**	A62	XDV48/640	6864
4L	650	**RG4L650**	A63	XDV48/650	6865
4L	660	**RG4L660**	A64	XDV48/660	6866
4L	670	**RG4L670**	A65	XDV48/670	6867
4L	680	**RG4L680**	A66	XDV48/680	6868
4L	690	**RG4L690**	A67	XDV48/690	6869
4L	700	**RG4L700**	A68	XDV48/700	6870

*Available special order
Alternative, equivalent brands, may be offered on certain sizes.

4L Single Sided V Belts



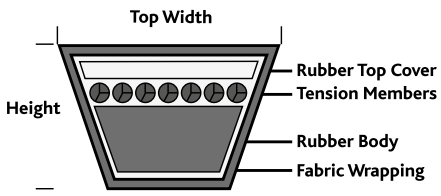
Profile	Top width (mm)	Height (mm)
4L	13	7

Profile	Outside length (1/10")	TransDev Part No.	Standard ref.	Dayco ref.	Gates ref.
4L	710	**RG4L710**	A69	XDV48/710	6871
4L	720	**RG4L720**	A70	XDV48/720	6872
4L	730	**RG4L730**	A71	XDV48/730	6873
4L	740	**RG4L740**	A72	XDV48/740	6874
4L	750	**RG4L750**	A73	XDV48/750	6875
4L	760	**RG4L760**	A74	XDV48/760	6876
4L	770	**RG4L770**	A75	XDV48/770	6877
4L	780	**RG4L780**	A76	XDV48/780	6878
4L	790	**RG4L790**	A77	XDV48/790	6879
4L	800	**RG4L800**	A78	XDV48/800	6880
4L	810	**RG4L810**	A79	XDV48/810	6881
4L	820	**RG4L820**	A80	XDV48/820	6882
4L	830	**RG4L830**	A81	XDV48/830	6883
4L	840	**RG4L840**	A82	XDV48/840	6884
4L	850	**RG4L850**	A83	XDV48/850	6885
4L	860	**RG4L860**	A84	XDV48/860	6886
4L	870	**RG4L870**	A85	XDV48/870	6887
4L	880	**RG4L880**	A86	XDV48/880	6888
4L	890	**RG4L890**	A87	XDV48/890	6889
4L	900	**RG4L900**	A88	XDV48/900	6890
4L	910	**RG4L910**	A89	XDV48/910	6891
4L	920	**RG4L920**	A90	XDV48/920	6892
4L	930	**RG4L930**	A91	XDV48/930	6893
4L	940	**RG4L940**	A92	XDV48/940	6894
4L	950	**RG4L950**	A93	XDV48/950	6895
4L	960	**RG4L960**	A94	XDV48/960	6896
4L	970	**RG4L970**	A95	XDV48/970	6897

Profile	Outside length (1/10")	TransDev Part No.	Standard ref.	Dayco ref.	Gates ref.
4L	980	**RG4L980**	A96	XDV48/980	6898
4L	990	**RG4L990**	A97	XDV48/990	6899
4L	1000	**RG4L1000**	A98	XDV48/1000	68100
4L	1010	**RG4L1010**	A99	XDV48/1010	68101
4L	1020	**RG4L1020**	A100	XDV48/1020	68102
4L	1030	**RG4L1030**	A101	XDV48/1030	68103
4L	1040	**RG4L1040**	A102	XDV48/1040	68104
4L	1050	**RG4L1050**	A103	XDV48/1050	68105
4L	1060	**RG4L1060**	A104	XDV48/1060	68105
4L	1070	**RG4L1070**	A105	XDV48/1070	68107
4L	1080	**RG4L1080**	A106	XDV48/1080	68107
4L	1090	**RG4L1090**	A107	XDV48/1090	68109
4L	1110	**RG4L1110**	A109	XDV48/1110	68110
4L	1120	**RG4L1120**	A110	XDV48/1120	68112
4L	1130	**RG4L1130**	A111	XDV48/1130	68113
4L	1140	**RG4L1140**	A112	XDV48/1140	68114
4L	1170	**RG4L1170**	A115	XDV48/1170	68117
4L	1190	**RG4L1190**	A117	XDV48/1190	68119
4L	1200	**RG4L1200**	A118	XDV48/1200	68120
4L	1330	**RG4L1330**	A131	XDV48/1330	68133
4L	1390	**RG4L1390**	A137	XDV48/1390	68139
4L	1430	**RG4L1430**	A141	XDV48/1430	68143

Alternative, equivalent brands, may be offered on certain sizes.

5L Single Sided V Belts

Standard

5L

Profile	Top width (mm)	Height (mm)
5L	16	9

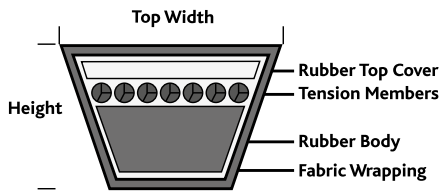
Profile	Outside length (1/10")	TransDev Part No.	Standard ref.	Dayco ref.	Gates ref.
5L	230	**RG5L230***	B20	XDV58/230	6923
5L	240	**RG5L240***	B21	XDV58/240	6924
5L	250	**RG5L250***	B22	XDV58/250	6925
5L	260	**RG5L260***	B23	XDV58/260	6926
5L	270	**RG5L270***	B24	XDV58/270	6927
5L	280	**RG5L280***	B25	XDV58/280	6928
5L	290	**RG5L290***	B26	XDV58/308	6929
5L	300	**RG5L300***	B27	XDV58/300	6930
5L	310	**RG5L310**	B28	XDV58/310	6931
5L	320	**RG5L320**	B29	XDV58/320	6932
5L	330	**RG5L330**	B30	XDV58/330	6933
5L	340	**RG5L340**	B31	XDV58/340	6934
5L	350	**RG5L350**	B32	XDV58/350	6935
5L	360	**RG5L360**	B33	XDV58/360	6936
5L	370	**RG5L370**	B34	XDV58/370	6937
5L	380	**RG5L380**	B35	XDV58/380	6938
5L	390	**RG5L390**	B36	XDV58/390	6939
5L	400	**RG5L400**	B37	XDV58/400	6940
5L	410	**RG5L410**	B38	XDV58/410	6941
5L	420	**RG5L420**	B39	XDV58/420	6942
5L	430	**RG5L430**	B40	XDV58/430	6943
5L	440	**RG5L440**	B41	XDV58/440	6944
5L	450	**RG5L450**	B42	XDV58/450	6945
5L	460	**RG5L460**	B43	XDV58/460	6946
5L	470	**RG5L470**	B44	XDV58/470	6947
5L	480	**RG5L480**	B45	XDV58/480	6948
5L	490	**RG5L490**	B46	XDV58/490	6949

Profile	Outside length (1/10")	TransDev Part No.	Standard ref.	Dayco ref.	Gates ref.
5L	500	**RG5L500**	B47	XDV58/500	6950
5L	510	**RG5L510**	B48	XDV58/510	6951
5L	520	**RG5L520**	B49	XDV58/520	6952
5L	530	**RG5L530**	B50	XDV58/530	6953
5L	540	**RG5L540**	B51	XDV58/540	6954
5L	550	**RG5L550**	B52	XDV58/550	6955
5L	560	**RG5L560**	B53	XDV58/560	6956
5L	570	**RG5L570**	B54	XDV58/570	6957
5L	580	**RG5L580**	B55	XDV58/580	6958
5L	590	**RG5L590**	B56	XDV58/590	6959
5L	600	**RG5L600**	B57	XDV58/600	6960
5L	610	**RG5L610**	B58	XDV58/610	6961
5L	620	**RG5L620**	B59	XDV58/620	6962
5L	630	**RG5L630**	B60	XDV58/630	6963
5L	640	**RG5L640**	B61	XDV58/640	6964
5L	650	**RG5L650**	B62	XDV58/650	6965
5L	660	**RG5L660**	B63	XDV58/660	6966
5L	670	**RG5L670**	B64	XDV58/670	6967
5L	680	**RG5L680**	B65	XDV58/680	6968
5L	690	**RG5L690**	B66	XDV58/690	6969
5L	700	**RG5L700**	B67	XDV58/700	6970
5L	710	**RG5L710**	B68	XDV58/710	6971
5L	720	**RG5L720**	B69	XDV58/720	6972
5L	730	**RG5L730**	B70	XDV58/730	6973
5L	740	**RG5L740**	B71	XDV58/740	6974
5L	750	**RG5L750**	B72	XDV58/750	6975
5L	760	**RG5L760**	B73	XDV58/760	6976

*Available special order
Alternative, equivalent brands, may be offered on certain sizes.

5L Single Sided V Belts

Standard



5L

Profile	Top width (mm)	Height (mm)
5L	16	9

Profile	Outside length (1/10")	TransDev Part No.	Standard ref.	Dayco ref.	Gates ref.
5L	770	**RG5L770**	B74	XDV58/770	6977
5L	780	**RG5L780**	B75	XDV58/780	6978
5L	790	**RG5L790**	B76	XDV58/790	6979
5L	800	**RG5L800**	B77	XDV58/800	6980
5L	810	**RG5L810**	B78	XDV58/810	6981
5L	820	**RG5L820**	B79	XDV58/820	6982
5L	830	**RG5L830**	B80	XDV58/830	6983
5L	840	**RG5L840**	B81	XDV58/840	6984
5L	850	**RG5L850**	B82	XDV58/850	6985
5L	860	**RG5L860**	B83	XDV58/860	6986
5L	870	**RG5L870**	B84	XDV58/870	6987
5L	880	**RG5L880**	B85	XDV58/880	6988
5L	890	**RG5L890**	B86	XDV58/890	6989
5L	900	**RG5L900**	B87	XDV58/900	6990
5L	910	**RG5L910**	B88	XDV58/910	6991
5L	920	**RG5L920**	B89	XDV58/920	6992
5L	930	**RG5L930**	B90	XDV58/930	6993
5L	940	**RG5L940**	B91	XDV58/940	6994
5L	950	**RG5L950**	B92	XDV58/950	6995
5L	960	**RG5L960**	B93	XDV58/960	6996
5L	970	**RG5L970**	B94	XDV58/970	6997
5L	980	**RG5L980**	B95	XDV58/980	6998
5L	990	**RG5L990**	B96	XDV58/990	6999
5L	1000	**RG5L1000**	B97	XDV58/1000	69100
5L	1010	**RG5L1010**	B98	XDV58/1010	69101
5L	1040	**RG5L1040**	B101	XDV58/1040	69104
5L	1050	**RG5L1050**	B102	XDV58/1050	69105

Profile	Outside length (1/10")	TransDev Part No.	Standard ref.	Dayco ref.	Gates ref.
5L	1060	**RG5L1060**	B103	XDV58/1060	69106
5L	1120	**RG5L1120**	B109	XDV58/1120	69112
5L	1130	**RG5L1130**	B110	XDV58/1130	69113
5L	1200	**RG5L1200**	B117	XDV58/1200	69120
5L	1210	**RG5L1210**	B118	XDV58/1210	69121
5L	1290	**RG5L1290**	B126	XDV58/1290	69129
5L	1310	**RG5L1310**	B128	XDV58/1310	69131
5L	1380	**RG5L1380**	B135	XDV58/1380	69138
5L	1420	**RG5L1420**	B139	XDV58/1420	69142
5L	1470	**RG5L1470**	B144	XDV58/1470	69147
5L	1480	**RG5L1480**	B145	XDV58/1480	69148
5L	1500	**RG5L1500**	B147	XDV58/1500	69150
5L	1580	**RG5L1580**	B155	XDV58/1580	69158

Alternative, equivalent brands, may be offered on certain sizes.

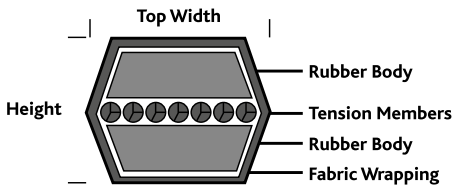


See **V Pulleys – Page 443**

V-flex Double Sided V Belts

VFLEX GARDEN

Standard



AA/BB

Profile	Top width (mm)	Height (mm)
AA	13	10
BB	17	13

Vflex Double sided V belts – AA

Profile	Outside length (inches)	TransDev Part No.	Standard ref.	Dayco ref.	Gates ref.
AA	65	**ROAA65**	AA65	–	–
AA	73	**ROAA73**	AA73	–	–
AA	85	**ROAA85**	AA85	–	–
AA	86	**ROAA86**	AA86	–	–
AA	88	**ROAA88**	AA88	–	–
AA	90	**ROAA90**	AA90	–	–
AA	91	**ROAA91**	AA91	–	–
AA	93	**ROAA93**	AA93	–	–
AA	94	**ROAA94**	AA94	–	–
AA	102	**ROAA102**	AA102	–	–
AA	105	**ROAA105**	AA105	–	–
AA	108	**ROAA108**	AA108	–	–
AA	110	**ROAA110**	AA110	–	–
AA	112	**ROAA112**	AA112	–	–
AA	114	**ROAA114**	AA114	–	–
AA	120	**ROAA120**	AA120	–	–
AA	128	**ROAA128**	AA128	–	–
AA	136	**ROAA136**	AA136	–	–

Alternative, equivalent brands, may be offered on certain sizes.

Vflex Double sided V belts – BB

Profile	Outside length (inches)	TransDev Part No.	Standard ref.	Dayco ref.	Gates ref.
BB	100	**ROBB100**	BB100	–	–
BB	124	**ROBB124**	BB124	–	–
BB	136	**ROBB136**	BB136	–	–
BB	155	**ROBB155**	BB155	–	–

Alternative, equivalent brands, may be offered on certain sizes.



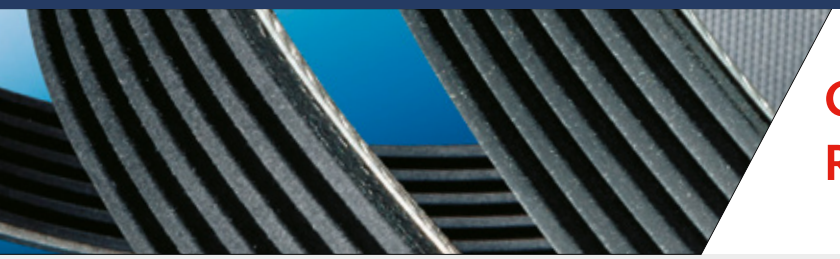
See Works Standard Chains/Agricultural Roller Chains – Page 554

Continental POLY-VFLEX

Poly V Drive Belts



- EVEN DRIVE LOAD DISTRIBUTION
- ELIMINATES BELT TURNOVER PROBLEMS
- SUITABLE FOR SMALLER PULLEYS
- INCREASED HORSEPOWER PER INCH OF BELT



CONTI-V® and Poly V-FLEX® Rubber Poly V Belts

THE BIG BRANDS WITH MINI GROOVES

Poly Vee belts are multiple V cross-section belts that perfectly align with the matching pulley grooves.

Features vs Vee Belts

- Compact but with a large surface area
- Less than 2% slippage
- Minimal start-up and stopping noise
- Reduces vibration
- Uniform tension across belt
- Flexes to suit multiple serpentine drive configurations
- Higher output (+98%)
- Improved lifespan (up to 4 times longer)
- Reduced maintenance

Poly V belts are multi-V cross section belts with longitudinal v-shaped ribs, that mate perfectly with the corresponding pulley grooves. Poly V belts combine the high flexibility of Flatbelts with the first-rate power transmission of V belts.

They enable economic solutions even under difficult drive conditions, such as large transmission ratios, high belt speed ratios, small pulley diameters and back idler pulleys.

- Accommodate large transmission ratios
- Ideal for high belt speeds
- Suitable for smaller pulleys (short centre distances)
- Also suitable for back idler pulleys
- Provide economical drive solutions

Why Poly V

- Drive is completely supported, with uninterrupted tension eliminating belt turnover problems
- Thin cross-section profile allows for use with smaller pulleys than standard V belts
- Drive width can be reduced, because there is increased surface engagement, allowing for increased horsepower per inch of belt width compared to standard V belts



Visit transdev.co.uk to download a brochure

AVAILABLE NOW

DRIVEFLEX POLY VEE PULLEYS

DRIVEFLEX

See Driveflex Poly V Pulleys – Page 490

POLY-VFLEX Continental

Properties

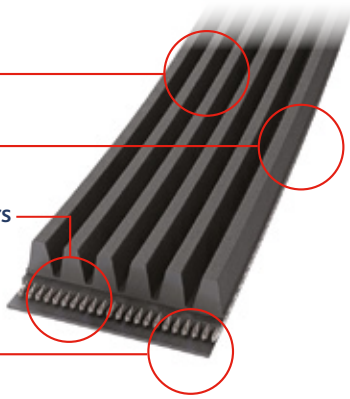
- Conditionally resistant to oil
- Wide temperature range from
- Suitable for tropical climates
- Suited for counterbending
- Enhanced running smoothness

Application

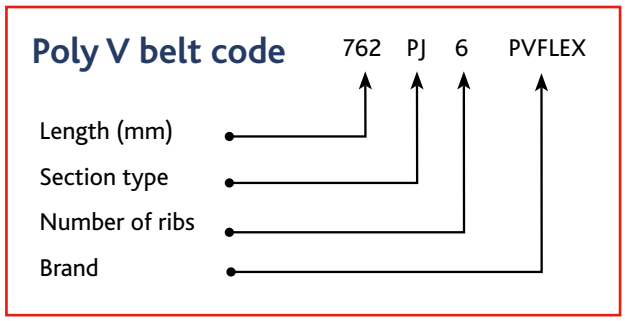
They are ideal for small sheave compact designs, requiring limited vibration. Drives with fixed centre distances can be achieved without any separate tensioning device, especially with the Elast type.

Poly V belts are ideal for serpentine drives and large transmission ratios. Versions are also suitable for compact friction-locked drives in household appliances and heavy machinery.

Construction



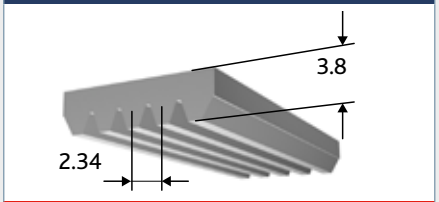
Poly V belt code



PJ Section Poly V

Continental

Standard



PJ Section

Available types for PJ section Poly V

- Single sided (standard)
- Increased back thickness**
- Aramid tension members**
- Special rubbers upon request**
- Anti-static, ground back/machined

*** minimum order quantities may apply*

NEW Poly-Vflex Convey belts are elastic J section belts with 2-3 ribs for conveyors. SEE P1136

Poly V multi-V cross section belts with longitudinal V-shaped ribs.
May have non-truncated or truncated ribs. Popular sizes only stocked. Please enquire.

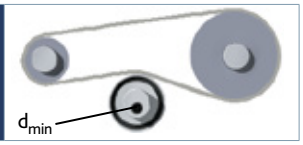
Preferred numbers of ribs Intermediate and larger numbers of ribs upon request		
8	12	16

Technical Specification

Power range	up to 5kW
RPM range	0-10,000rpm
Speed range	0-60m/s
Min. pulley diameter	18mm
Mass/length/rib (Mi)	0.008kg/m/rib
Installation tension	35 to 50 N/rib/s

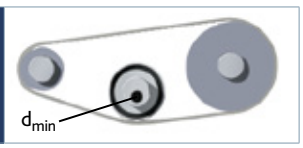
Outside idler

d_{min} = 67mm



Inside idler

d_{min} = 20mm



Effective length		Max no. ribs
mm	inch	
356	14	148
381	15	148
406	16	148
414	16.3	210
432	17	180
457	18	238
483	19	238
508	20	238
533*	21	238
559	22	238
584	23	238
610	24	238
660	26	238
686*	27	238
711	28	238
737*	29	238
762	30	238
787*	31	238
813	32	238
838	33	120
864	34	238
889*	35	238
914	36	238
940*	37	238

Effective length		Max no. ribs
mm	inch	
955	37.6	120
965	38	238
991	39	118
1016	40	238
1054	41.5	238
1080*	42.5	190
1092	43	238
1105	43.5	78
1128*	44.4	238
1130	44.5	190
1143	45	238
1150	45.3	78
1168	46	238
1194	47	238
1200	47.2	78
1208*	47.6	238
1219	48	158
1245	49	238
1270	50	238
1295	51	238
1321	52	238
1333*	52.5	230
1372	54	158
1397	55	238

Effective length		Max no. ribs
mm	inch	
1428	56	190
1461*	57.5	238
1473	58	238
1549	61	158
1600	63	230
1626*	64	78
1651	65	158
1661*	65.4	78
1702	67	78
1753	69	158
1778	70	78
1854	73	238
1915*	75.4	230
1930	76	158
1956	77	238
1981	78	238
2019*	79.5	78
2083	82	78
2210	87	78
2286	90	78
2210*	87	190
2337	92	238
2489	98	230

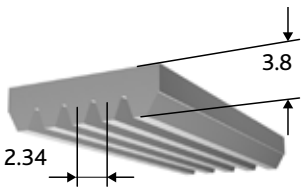
* Available special order
More lengths available in PJ section. Please ask if the size you require is not here.

PJ Section Poly V

POLY-VFLEX

24 269 492

Standard



PJ Section

Available types for PJ section Poly V

- Single sided (standard)
- Constant thickness
- EPDM compounds available (-45°C to +120°C)*
- Polyester tension members
- Special compounds/aramid tension members upon request**
- Anti-static, ground back/machined**

NEW Poly-Vflex Convey belts are elastic J section belts with 2-3 ribs for conveyors. SEE P1136

Cross section belts with longitudinal V-shaped ribs. May have non-truncated or truncated ribs.
Popular sizes only stocked. Please enquire. * *where indicated* ** *minimum order quantities may apply*

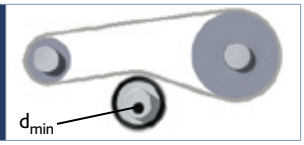
Preferred numbers of ribs Intermediate and larger numbers of ribs upon request				
4	6	8	12	16

Technical Specification

Power range	up to 5kW
RPM range	0-10,000rpm
Speed range	0-60m/s
Min. pulley diameter	18mm
Mass/length/rib (Mi)	0.008kg/m/rib
Installation tension	35 to 50 N/rib/s

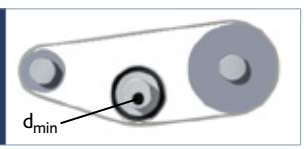
Outside idler

d_{min} = 67mm



Inside idler

d_{min} = 20mm



Effective length		Max no. ribs
mm	inch	
330	13.0	190
356	14.0	190
381	15.0	190
406	16.0	190
432	17.0	190
451	17.8	190
457	18.0	190
470	18.5	190
483	19.0	190
490	19.3	190
508	20.0	190
522	20.6	190
559	22.0	190
584	23.0	190
610	24.0	190
660	26.0	190
711	28.0	190
723	28.5	190
762	30.0	190
813	32.0	190

Effective length		Max no. ribs
mm	inch	
838	33.0	190
864	34.0	190
914	36.0	190
940	37.0	190
955	37.6	190
965	38.0	190
991	39.0	190
1016	40.0	190
1059	41.7	190
1067	42.0	190
1092	43.0	190
1110	43.7	190
1130	44.5	190
1143	45.0	190
1150	45.3	190
1168	46.0	190
1194	47.0	190
1200	47.2	190
1222	48.1	190
1244	49.0	190

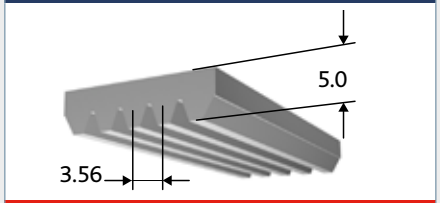
Effective length		Max no. ribs
mm	inch	
1270	50.0	190
1295	51.0	190
1321	52.0	190
1372	54.0	190
1397	55.0	190
1428	56.2	190
1473	58.0	190
1549	61.0	190
1600	63.0	190
1651	65.0	190
1752	69.0	190
1854	73.0	190
1956	77.0	190
2083	82.0	190
2210	87.0	190
2286	90.0	200
2337	92.0	190
2489	98.0	200

* Available special order
More lengths available in PJ section. Please ask if the size you require is not here.

PK Section Poly V

24 269 330

Continental

Standard

PK Section

Available types for PK section Poly V

- Single sided (standard)
- Increased back thickness**
- Aramid tension members**
- Special rubbers upon request**
- Anti-static, ground back/machined

*** minimum order quantities may apply*

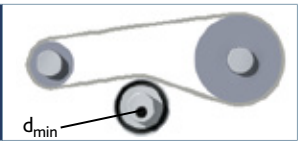
Poly V multi-V cross section belts with longitudinal V-shaped ribs
May have non-truncated or truncated ribs. Popular sizes only stocked. Please enquire.

Preferred numbers of ribs Intermediate and larger numbers of ribs upon request				
4	6	8	12	20

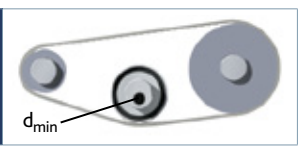
Technical Specification

Power range	up to 30kW
RPM range	0-8,000rpm
Speed range	0-50m/s
Min. pulley diameter	50mm
Mass/length/rib (Mi)	0.020kg/m/rib
Installation tension	90 to 100 N/rib/s

Outside idler

d_{min} = 75mm	

Inside idler

d_{min} = 38mm	

Effective length		Max no. ribs
mm	inch	
635	25	148
648	25.5	150
698	27.5	150
730	28.7	148
813	32	148
830	32.7	148
885	34.8	148
925	36.4	148
960	37.8	148
1010	39.8	148
1035	40.7	148
1132	44.6	148
1207	47.5	148
1246	49.1	148
1251	49.3	148
1298	51.1	148
1314	51.7	50
1357	53.4	148
1420	55.9	148

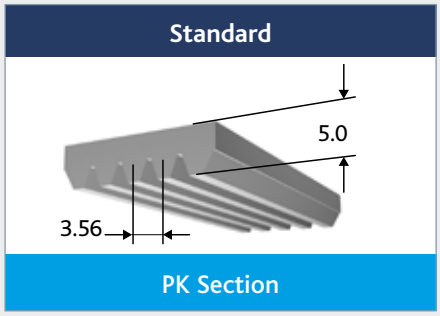
Effective length		Max no. ribs
mm	inch	
1459	57.4	148
1481	58.3	148
1521	59.9	148
1557	61.3	148
1607	63.3	148
1630	64.2	148
1645	64.8	50
1675	65.9	148
1725	67.9	148
1815	71.5	148
1885	74.2	148
1982	78	148
2031	80	148
2080	81.9	148
2171	85.5	148
2225	87.6	148
2471	97.3	148
2550	100.4	148

More lengths available in PK section. Please ask if the size you require is not here.

PK Section Poly V (inc EPDM)

POLY-VFLEX





Available types for PK section Poly V

- Single sided (standard)
- Constant thickness
- EPDM compounds (Automotive) available (-45°C to +120°C)*
- Polyester tension members
- Special compounds/aramid tension members upon request**
- Anti-static, ground back/machined**

** where indicated ** minimum order quantities may apply*

Cross section belts with longitudinal V-shaped ribs.
May have non-truncated or truncated ribs. Popular sizes only stocked. Please enquire

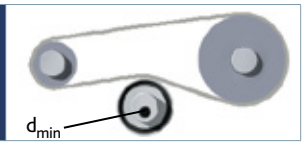
Preferred numbers of ribs Intermediate and larger numbers of ribs upon request				
4	6	8	12	20

Technical Specification

Power range	up to 30kW
RPM range	0-8,000rpm
Speed range	0-55m/s
Min. pulley diameter	50mm
Mass/length/rib (Mi)	0.020kg/m/rib
Installation tension	90 to 110 N/rib/s

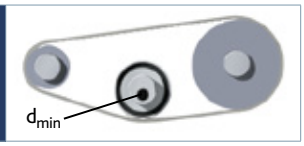
Outside idler

d_{min} = 75mm



Inside idler

d_{min} = 38mm



Effective length		Max no. ribs
mm	inch	
630	24.8	132
698	27.5	132
730	28.7	132
755	29.7	132
775	30.5	132
800	31.5	132
830	32.7	132
841	33.1	132
865	34.0	132
875	34.5	132
884	34.8	132
890	35.0	132
913	35.9	132
990	39.0	132
1015	40	132
1035	40.7	132
1080	42.5	132
1165	45.9	132
1200	47.2	132
1222	48.1	132
1230	48.4	132
1272	50.1	132
1275	50.2	132
1280	50.4	132

Effective length		Max no. ribs
mm	inch	
1300	51.2	132
1345	53.0	132
1365	53.7	132
1376	54.2	132
1385	54.5	132
1397	55.0	132
1420	55.9	132
1460	57.5	132
1480	58.3	132
1520	59.8	132
1560	61.4	132
1570	61.8	132
1600	63.0	132
1620	63.8	132
1635	64.4	132
1655	65.2	132
1715	67.5	132
1725	67.9	132
1733	68.2	132
1750	68.9	132
1755	69.1	132
1760	69.3	132
1795	70.7	132
1815	71.5	132

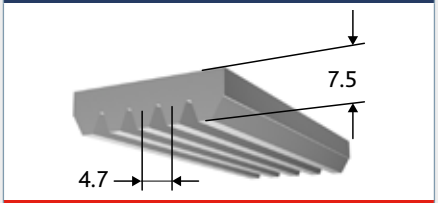
Effective length		Max no. ribs
mm	inch	
1840	72.4	132
1885	74.2	132
1930	76.0	132
1956	77.0	132
1968	77.5	132
1980	78.0	132
2030	79.9	132
2080	81.9	132
2145	84.4	132
2170	85.4	132
2215	87.2	132
2225	87.6	132
2235	88.0	132
2240	88.2	132
2271	89.4	132
2330	91.7	132
2335	91.9	132
2355	92.7	132
2420	95.3	132
2550	100.4	132

EPDM Compound for Automotive applications

More lengths available in PK section. Please ask if the size you require is not shown here.

PL Section Poly V

Continental

Standard

PL Section

Available types for PL section Poly V

- Single sided (standard)
- Increased back thickness**
- Aramid tension members**
- Special rubbers upon request**
- Anti-static, ground back/machined

*** minimum order quantities may apply*

Poly V multi-V cross section belts with longitudinal V-shaped ribs
May have non-truncated or truncated ribs. Popular sizes only stocked. Please enquire.

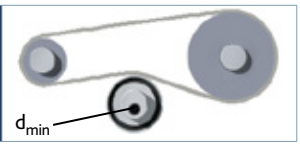
Preferred numbers of ribs Intermediate and larger numbers of ribs upon request		
8	12	16

Technical Specification

Power range	up to 100kW
RPM range	0-10,000rpm
Speed range	0-45m/s
Min. pulley diameter	75mm
Mass/length/rib (Mi)	0.040kg/m/rib
Installation tension	140 to160 N/rib/s

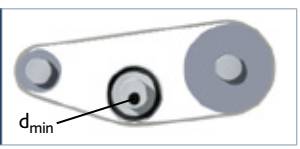
Outside idler

d_{min} = 200mm



Inside idler

d_{min} = 100mm



Effective length		Max no. ribs
mm	inch	
991*	39	38
1041*	41	38
1075	42.5	50
1149*	45.2	38
1168*	46	118
1194	47	118
1219*	48	118
1270	50	118
1295*	51	118
1321*	52	38
1333	52.5	78
1346*	53	118
1371	54	118
1397	55	118
1422	56	118
1435*	56.5	38
1473*	58	38
1499*	59	118
1562	61.5	118
1613	63.5	78

Effective length		Max no. ribs
mm	inch	
1664	65.5	78
1715	67.5	118
1765	69.5	118
1803	71	80
1841	72.5	78
1943	76.5	78
1956*	77	80
1981	78	80
2020	79.5	118
2070	81.5	80
2096	82.5	118
2134	84	80
2197	86.5	80
2235	88	80
2324	91.5	78
2362	93	80
2476	97.5	80
2515	99	80
2565*	101	80
2705	106.5	80

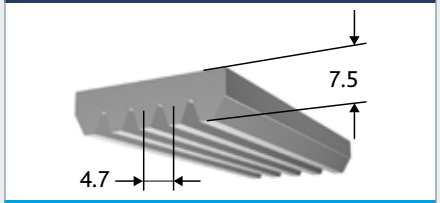
Effective length		Max no. ribs
mm	inch	
2743	108	80
2845	112	80
2895	114	80
2921	115	80
2997	118	80
3086	121.5	80
3124	123	80
3289	129.5	80
3327	131	80
3492	137.5	80
3696	145.5	80
4051	159.5	80
4191	165	80
4318*	170	80
4470	176	80
4622	182	80
5029	198	80
5385	212	80
6096	240	80
7055*	277.8	80

* Available special order
More lengths available in PL section. Please ask if the size you require is not here.

PL Section Poly V

POLY-VFLEX

24 269 494

Standard

PL Section

Available types for PL section Poly V

- Single sided (standard)
- Constant thickness
- Polyester tension members
- Special compounds/aramid tension members upon request**
- Anti-static, ground back/machined**

*** minimum order quantities may apply*

Cross section belts with longitudinal V-shaped ribs.
May have non-truncated or truncated ribs. Popular sizes only stocked. Please enquire.

Preferred numbers of ribs Intermediate and larger numbers of ribs upon request		
8	12	16

Technical Specification

Power range	up to 100kW
RPM range	0-7,000rpm
Speed range	0-50m/s
Min. pulley diameter	70mm
Mass/length/rib (Mi)	0.032kg/m/rib
Installation tension	140 to 200 N/rib/s

Effective length		Max no. ribs
mm	inch	
1075	423	100
1270	500	100
1333	525	100
1371	540	100
1397	550	100
1422	560	100
1562	615	100
1613	635	100
1664	655	100
1715	675	100
1764	694	100
1803	710	100
1841	725	100

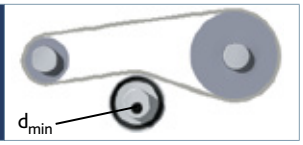
Effective length		Max no. ribs
mm	inch	
1943	765	100
1981	780	100
2020	795	100
2070	815	100
2096	825	100
2197	865	100
2235	880	100
2324	915	100
2362	930	100
2476	975	100
2515	990	100
2845	1120	100
2997	1180	100

Effective length		Max no. ribs
mm	inch	
3086	1215	100
3124	1230	100
3289	1295	100
3327	1310	100
3492	1375	100
3606	1420	100
3696	1455	100
4051	1595	100
4470	1760	100
4622	1820	100
5029	1980	100
5385	2120	100
6096	2400	100

* Available special order
More lengths available in PL section. Please ask if the size you require is not here.

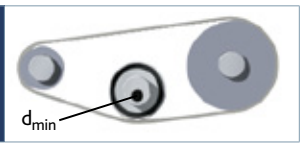
Outside idler

d_{min} = 200mm



Inside idler

d_{min} = 100mm



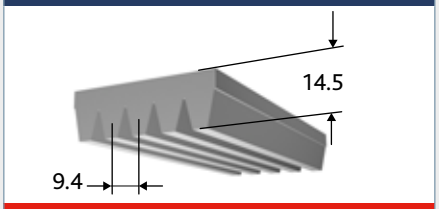


See **Special Belts – Page 281**

PM Section Poly V

24 269 330

Continental

Standard

PM Section V

Available types for PM section Poly V

- Single sided (standard)
- Increased back thickness**
- Aramid tension members**
- Special rubbers upon request**
- Anti-static, ground back/machined

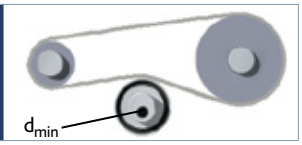
*** minimum order quantities may apply*

Poly V multi-V cross section belts with longitudinal V-shaped ribs
May have non-truncated or truncated ribs. Popular sizes only stocked. Please enquire.

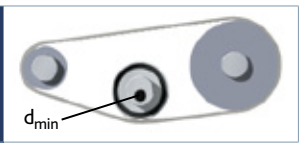
Technical Specification

Power range	up to 600kW
RPM range	0-4,000rpm
Speed range	0-35m/s
Min. pulley diameter	180mm
Mass/length/rib (Mi)	0.120kg/m/rib
Installation tension	450 to 550 N/rib/s

Outside idler

d_{min} = 375mm	

Inside idler

d_{min} = 224mm	

Effective length		Max no. ribs
mm	inch	
2286	90	40
2388	94	40
2515	99	40
2693	106	40
2832	111.5	40
2921	115	40
3010	118.5	40
3124	124	40
3327	131	40
3531	139	40
3734	147	40
3937	155	40
4089	161	40
4191	165	40
4470	176	40

Effective length		Max no. ribs
mm	inch	
4648	183	40
5029	198	40
5410	213	40
6121	241	40
6883	271	40
7646	301	40
8408	331	40
9169	361	40
9931	391	40
10693	421	40
12217	481	40
13741	541	40
15266	601	40
16764	660	40

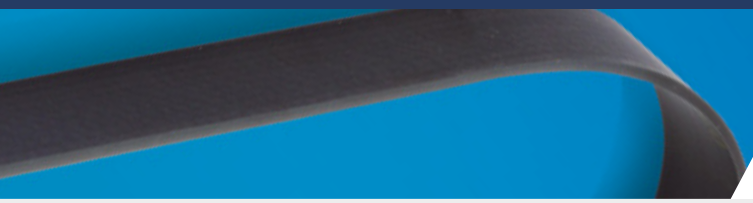
More lengths available in PM section.
Please ask if the size you require is not here.

TRANSFLAT

Rubber Flat Belts



- HIGH STRENGTH
- LIGHTWEIGHT
- HIGH FLEXIBILITY
- CONSTANT THICKNESS
- HIGH COEFFICIENT OF FRICTION
- INEXTENSIBLE



TRANSFLAT

TRANSFLAT® FLAT ENDLESS BELT

Nylon reinforced Polychloroprene Rubber belts enabling vibration-free drives

Transflat® flat endless belt features

Enabling vibration-free drives, very high belt speeds, reduced dimensions, high performance and minimum maintenance.

Transflat® belts consist of a high strength core, endless fabric and a Rubber carcass with excellent mechanical properties and a high coefficient of friction.

Construction

Nylon reinforced Polychloroprene Rubber.

Applications

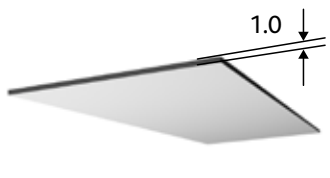
Typical applications for Transflat® Flat belts include conveyors, machine tools, and other light industrial equipment.

- High strength
- High coefficient of friction
- High flexibility
- Lightweight
- Constant thickness
- Inextensible
- Length stable



Transflat® Standard Belt Thickness 1mm Nominal

TRANSFLAT

Standard

Transflat® 1mm

Transflat® length , width & thickness tolerances			
Nominal lengths	Length tolerance	Thickness	Width
330 to 480mm	+/- 2.0%	+/- 0.2mm	+/- 0.5mm
500 to 980mm	+/- 1.5%		
1000 to 3100mm	+/- 1.0%		

As Transflat® belts are endlessly woven nominal lengths can vary between sleeves and therefore drive layouts should allow for the adjustment of centres to provide the requisite drive tension.

Transflat® Standard belt widths (mm)												
10	15	20	25	30	35	40	45	50	60	70	80	90

Transflat® Standard belt lengths (mm)*										
300	450	590	720	880	1060	1250	1450	1710	2020	2500
330	460	600	740	900	1080	1270	1475	1740	2040	2550
340	480	620	760	920	1100	1300	1500	1770	2120	2600
350	500	630	780	940	1120	1320	1530	1800	2160	2750
370	510	650	790	960	1140	1350	1560	1830	2200	2850
385	540	660	800	980	1160	1370	1590	1870	2240	2900
400	550	670	820	1000	1180	1375	1620	1905	2280	2950
420	570	680	840	1020	1220	1400	1650	1940	2320	3100
430	575	700	860	1040	1230	1425	1680	2000	2410	

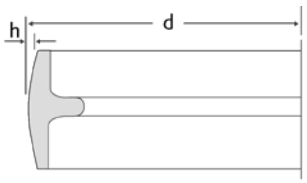
*As measured under a static tension of 12kg/cm width
Matched sets of belts must be cut from same sleeve. Please specify when ordering.
The initial or static tension of a pulley should correspond to the measuring tension in the above table.

Basic kilowatt ratings (kW per cm/width) with 180° arc of contact																
Belt speed (m/sec)	Transflat® Small pulley dia. (mm)					Belt speed (m/sec)	Transflat® Small pulley dia. (mm)					Belt speed (m/sec)	Transflat® Small pulley dia. (mm)				
	15	20	25	30	>34		15	20	25	30	>34		15	20	25	30	>34
2.5	0.11	0.15	0.17	0.19	0.21	22.5	0.73	1.09	1.36	1.54	1.63	42.5	-	-	-	2.26	2.56
5	0.21	0.29	0.34	0.38	0.4	25	0.78	1.19	1.48	1.69	1.8	45	-	-	-	2.28	2.63
7.5	0.31	0.41	0.5	0.56	0.6	27.5	-	1.28	1.59	1.81	1.95	47.5	-	-	-	2.27	2.66
10	0.39	0.54	0.66	0.74	0.78	30	-	1.35	1.68	1.93	2.09	50	-	-	-	-	2.71
12.5	0.47	0.66	0.82	0.91	0.97	32.5	-	-	1.77	2.02	2.21	52.5	-	-	-	-	2.73
15	0.53	0.78	0.96	1.07	1.14	35	-	-	1.84	2.1	2.31	55	-	-	-	-	2.71
17.5	0.61	0.88	1.11	1.24	1.32	37.5	-	-	1.91	2.17	2.41	57.5	-	-	-	-	2.69
20	0.66	0.99	1.23	1.39	1.49	40	-	-	1.96	2.23	2.5	60	-	-	-	-	2.64

Transflat® Standard Belt Thickness 1mm Nominal

TRANSFLAT

Standard



Transflat® Pulley

Pulleys should be manufactured from quality materials and be accurate.

It is important to ensure :

- The driving surface of the pulley is perfectly smooth
- The outside diameter of the pulley is concentric to the bore
- Pulleys are well balanced both statically and dynamically
- At least one of the pulleys (driver) should be crowned

Drive design, belt fitting and tensioning

A drive must be designed to allow for the correct tensioning of the belt and to adjust for any stretch during service (possibly 1.5% of length). A take-up device is therefore required: motor slide bases are the most efficient system for ease of fitting and tensioning the belt.

Idlers may be used to increase arc of contact on high transmission ratios. With contra-flexure, due to the use of idlers, it is recommended that the idler diameters should not be less than the diameter of the small pulley.

The following recommendations should always be followed

- Check that the pulleys are aligned
- Ensure that the pulley surfaces are smooth and well polished
- Apply the correct belt tension
- Check the belt tension frequently during the first few hours of operation
- Do not use any belt grip dressing; the natural belt grip will prevent any slippage if the drive has been properly designed

Pulley dia. d (mm)	Crown height h (mm)
15	0.3
20	0.3
25	0.3
30	0.3
35	0.3
40	0.3
45	0.3
50	0.3
56	0.3
63	0.3
71	0.3
80	0.3
90	0.3
100	0.3
112	0.3
125	0.4
140	0.4
160	0.5
180	0.5
200	0.6
224	0.6
250	0.8
280	0.8
315	1
355	1



See **Belt Tension Meter – Page 32**



SPECIAL BELTS

Introduction 282

Special Belt Backings 285
- *Introduction* 286
- *Machined Backings* 286
- *Transback Bonded Backings* 288
- *Transback Endless Backings* 289
- *BRECO® Backing Materials* 290
- *Combitex Backed Belts* 291
- *Coloured Polyurethane Belts* 291

Profiled, Special & Mechanically Reworked Belts . . 292
- *Welded-on Profiles* 293
- *Standard Profiles* 296
- *Belt Connecting Systems* 298
- *On-site Mechanical Assembly* 299

Antistatic Belts 300

Transgrip Drawdown Belts 303

Haul-off Belts 311

Sausage Belts 314

Tube Winder Belts 317

Esband Belting 320
- *Truly Endless Flat Belts* 321
- *Conveyor Belts* 322
- *NE Types* 323
- *PU Types* 324
- *Weighing Technology* 326



Special Belts

BUILDING EXCELLENCE WITH HIGH QUALITY EUROPEAN MANUFACTURING

State of the art equipment has enabled TransDev to manufacture some of the most complex belts ever made, many within microns of pitch accuracy.

Exclusive supplier in the UK & Ireland for

BRECO® TIMING BELTS

Continental

TRANSFLEX

POLYVFLEX

TransDev Special Belts takes high quality PU base belts and tailors them to specific applications. We have a dedicated team with exceptional drive and conveying product knowledge. We have the largest Special Belt machining capabilities in the UK. We utilise CNC machinery to grind, slit, punch and slot belts and can also manufacture, fit and grind standard or special made profiles of any shape. Our specialist welding machines are among the fastest in our industry.

Fast quotations are provided for Standard and Special Belts (jointed, open, backed etc.), including over the phone. Most Special Belts are quoted within 1 hour and our competitive pricing reflects our status as a manufacturer as well as a supplier.



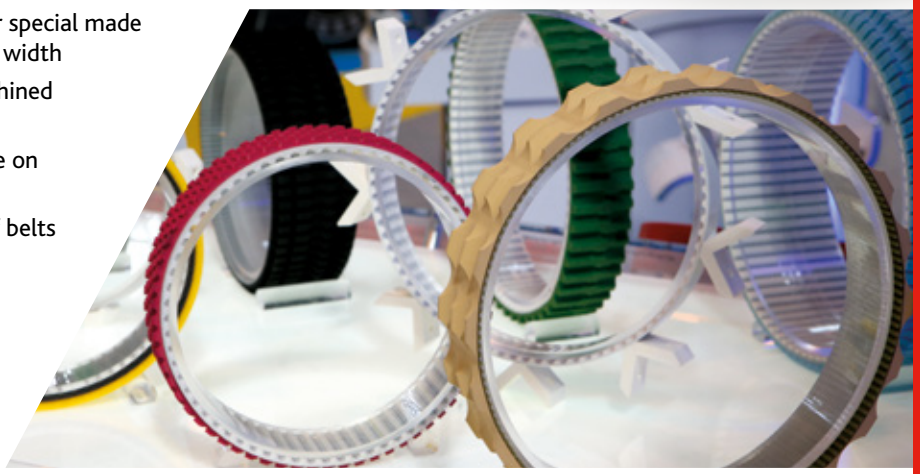
Visit transdev.co.uk
to download a brochure

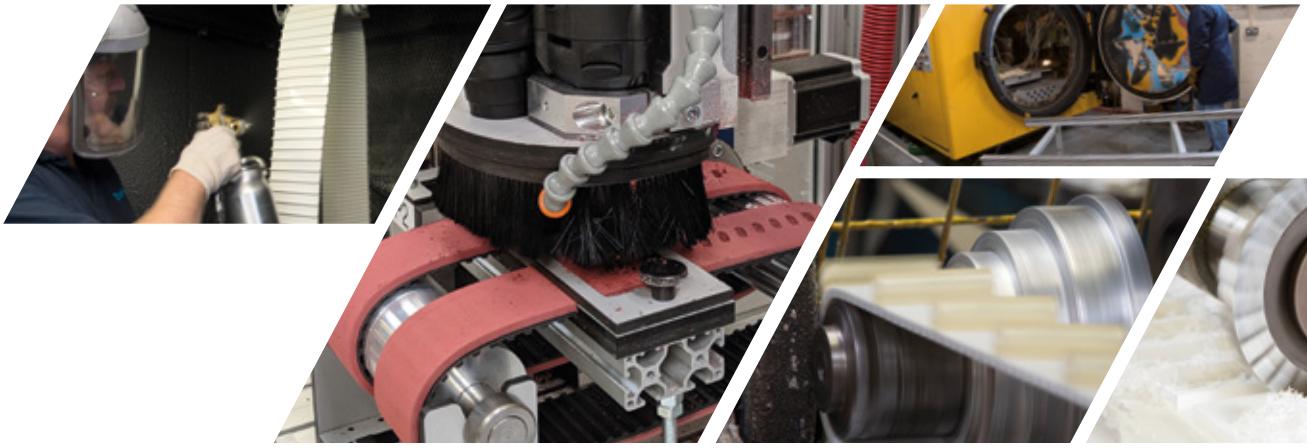
TransDev
SPECIAL BELTS



Why TransDev Special Belts

- One of the largest stock profiles in Europe
- 47,000 metres of belting in stock
- Jointed Belts available from stock
- Monthly capacity of over 2,500 Jointed Belts
- Autoclaved belts for continuous backed belts
- Manufacture, fit and grind standard or special made profiles of any shape up to 800mm in width
- All belt backings can be specially machined and ground to drawing
- Vulcanized backings (no join) available on belts up to 3 metres in length
- CNC grinding, grooving and slitting of belts up to 120 metres in length
- Bonded materials are available to suit many applications
- FDA and JFS food quality materials





BRECO® TIMING BELTS

THE KING OF AUTOMATION
PROFILE & PITCH PERFECTION

Discover new possibilities with BRECO® ATN TRANSPORT; the modular technology for indexing and transport belts.

Design

- Modular system
- Standard pulleys used
- Infinite attachment possibilities
- Flights accept customer attachments
- Standard inserts
- Different flight materials can be used
- Variable flight spacing

Performance

- Mechanical joint available
- High shear resistance
- Faster flight change in use

Assembly

- High flight spacing precision
- No need to remove belt when changing flights
- Flights can be adjusted on installation



Versatile design, application and assembly in a single belt!

BRECO® ***Keeps You Moving***



For **BRECO® ATN** see page 125

BELTS PULLEYS CHAIN SPROCKETS GEARS BEARINGS LINEAR HARDWARE PLASTICS

TransDev®
THE POWER IN MOTION

TransDev SPECIAL BELTS

TRANSBACK

Special Belt Backings



BONDED BACKINGS

ENDLESS BELT BACKINGS

BRECO BACKED BELTS

COMBITEX BACKINGS



Introduction to Backings

BACKING WINNERS

We are able to modify the characteristics of many of our timing belts by applying one or more backings, enabling infinitely different designs for conveying applications.



Specific properties such as high or low coefficient of friction, soft, hard or compressible can all be achieved with a backing.

Using a thick backing affects the belt's flexibilty and therefore also the minimum pulley diameter; but slotting the backing can improve the flexibility. We can bond our backing materials to virtually any base belt for use as conveyor belts, haul-off belts, puller belts, forming belts and nesting belts.

Haul-off/puller belts are mainly used in the plastics and cable industries to pull extruded profiles. We can currently process belts to a length of 90 metres and to a width of 600mm.

TransDev machined backings

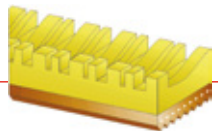
Precision back, edge, face grinding and pocketing

TransDev can grind any face of a covered belt to precision tolerances. Belts up to 90 metres long and 600mm wide can be processed. Belts can be pocketed as required for component nesting.



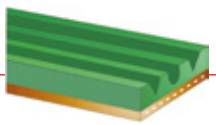
Precision sectional profiling

Backings can be cross-profiled or slotted. This can be for stress relief or providing profiles for high precision indexing or positioning.



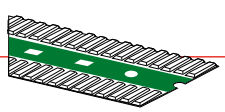
Lengthways precision profiling

Backings can be ground to any desired profile. Belts with thicker backings can be slotted to relieve stress when using small pulleys.



Tooth removal, holes and perforations

Tooth removal from timing belts is used to provide clearances for mechanically attached profiles or for use as a vacuum groove. Vacuum grooves can have Slip Face bonded to the belt face to reduce the coefficient of friction. Holes and perforations can be machined as required.



TRANSBACK

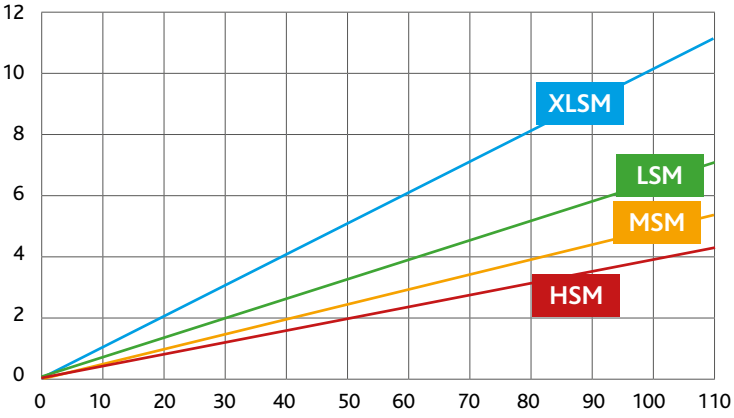
Special materials

Should you have a requirement for a material with non-standard properties please consult our Technical Department. There may be a minimum quantity requirement.

Points to note when ordering:

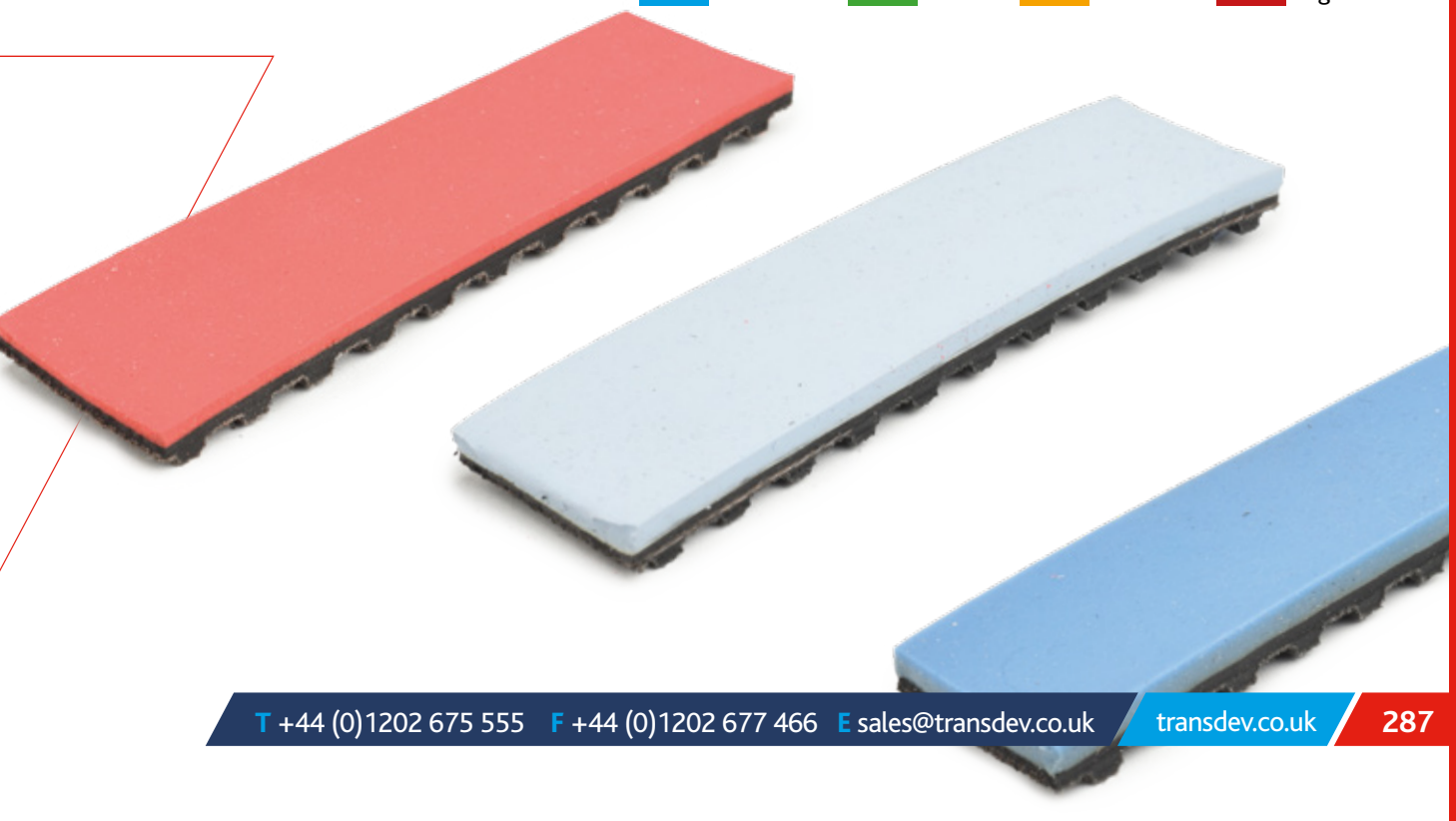
- Abrasion resistance: the higher the number the better
- Temperature range: also consider temperature range of the base belt
- Stress rating: see graph
- Material colour: subject to change without notice

Stress rating graph



Stress Materials

XLSM Extra Low LSM Low MSM Medium HSM High



Materials

TRANSBACK

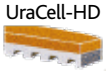
Transback bonded backings

Material	Backed belts description	Abrasion resist	Coefficient of friction	Temp range	Stress rating
NKR-38 	This 95% natural rubber is the most common and versatile backing material, with outstanding resilience and remarkable cut and tear resistance. Excellent wet abrasion resistance.	5	0.7	+70°C - 40°C	MSM
AbbrX-55 	Silica reinforced natural and synthetic rubber mix, resilience for severe abrasion resistance. Low compression set and high elasticity.	6	0.7	+70°C - 40°C	HSM
Slipface 	Low coefficient of friction, highly wear resistant polymer fabric facing. For use on belts which are used as accumulators or for BRECOFLEX® PAR options.	2	0.2	+80°C - 30°C	HSM
Nitrisol-55 	Oil, heat and aromatic hydrocarbon resistant solid rubber for heavy duty traction and haul-off applications.	5	0.5	+80°C - 20°C	HSM
UraSol-60 	Yellow solid polyester Vulkollan® Polyurethane with excellent wear and abrasion resistance. High co-efficient of friction for haul-off or Form-Fill Sealing applications.	8	0.4	+80°C - 50°C	HSM
UraSol-70 	Solid Polyester Vulkollan® Polyurethane with oil, wear and abrasion resistance. Excellent for pocketing, nesting and profiling for precision indexing belts.	9	0.3	+80°C - 50°C	HSM
UraSol-80 	Solid Polyester Vulkollan® Polyurethane - excellent for machining of pockets and profiles. Extremely wear resistant.	10	0.2	+80°C - 50°C	HSM
FoodX-40 	White Nitrile rubber suitable for most food and medical use including fatty foods. Approved materials to FDA 177.2600. Good heat ageing resistance.	4	0.7	+70°C - 30°C	HSM
FoodX-60 	White Nitrile rubber suitable for most food and medical use including fatty foods. Approved materials to FDA 177.2600. Good heat ageing resistance.	4	0.7	+70°C - 30°C	HSM
CorrX-40 	Filled natural rubber, excellent for profiling and grooving. High tear and abrasion resistance. High resilience and elasticity.	5	0.9	+70°C - 50°C	MSM
NeoCell 	Closed cell Polychloroprene sponge. Good ageing, oil, compression and chemical resistance and non-liquid absorbent. Non flammable and self extinguishing.	2	0.9	+70°C - 30°C	LSM
NeoCell-Plus 	Higher density NeoCell. Good compression, ageing, oil and chemical resistance and non-liquid absorbent. Non flammable and self-extinguishing.	5	0.6	+70°C - 30°C	MSM
AbbrX - HD70 	Heavy duty natural and synthetic rubber mix for superior strength and resilience for severe abrasion resistance. Low compression set and high elasticity.	7	0.4	+70°C - 40°C	HSM
Supergrip 	PVC special profile with good resilience and high wear resistance. Oil and fat resistant and especially suitable for snack food conveying applications.	5	0.8	+80°C - 20°C	MSM
PVC BLUE 	Smooth PVC with exceptional grip and high wear resistance. Well suited to conveying products with a smooth surface without slip.	5	0.9	+80°C - 20°C	MSM

Materials

TRANSBACK

Transback bonded backings *Contd.*

Material	Backed belts description	Abrasion resist	Coefficient of friction	Temp range	Stress rating
FoamX-LD 	Low density sponge open cell natural rubber for excellent resilience. High elasticity and porosity.	1	0.7	+60°C - 30°C	XLSM
UraFoam - 35 	Polyurethane foamed elastomer with micro cellular construction. Excellent wear resistance.	1	0.6	+90°C - 20°C	LSM
UraCell-LD 	Low density partially closed cell elastomer for conveying delicate items. Good oil, grease, solvent and general chemical resistance.	1	0.6	+80°C - 20°C	LSM
UraCell-MD 	Medium density partially closed cell elastomer for conveying delicate items. Good oil, grease, solvent and general chemical resistance.	1	0.5	+80°C - 20°C	LSM
UraCell-HD 	High density mainly closed cell elastomer for conveying and transport. Good oil, grease, solvent and general chemical resistance.	1	0.5	+80°C - 20°C	MSM
UraCell-VHD 	Very high density fully closed cell elastomer for conveying delicate items. Good oil, grease, solvent and general chemical resistance. High wear resistance.	5	0.3	+80°C - 30°C	MSM

Transback endless backings

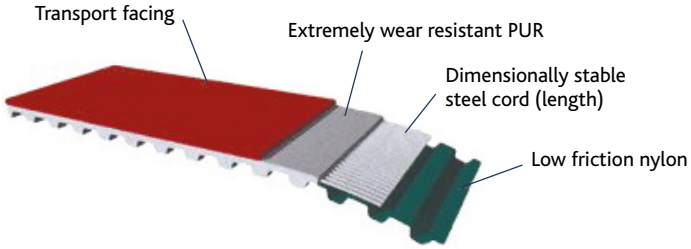
No overlap joint delamination, no adhesive layer to be attacked or degraded, no compromise on food quality or medical applications

Material	Endless backings description	Abrasion resist	Coefficient of friction	Temp range	Stress rating
ETC38NR 	This 95% natural rubber has outstanding resilience and remarkable cut and tear resistance. Excellent wet abrasion resistance.	5	0.7	+70°C - 40°C	MSM
ETC60NR 	Reinforced natural and synthetic rubber with superior strength and resilience for severe abrasion resistance. Low compression set and high elasticity.	6	0.7	+70°C - 40°C	HSM
ETC70NR 	Heavy duty reinforced natural and synthetic rubber mix with superior strength and resilience for severe abrasion resistance. Low compression set and high elasticity.	7	0.4	+80°C - 30°C	HSM
ETC50NBR-FG 	White Nitrile rubber suitable for most food and medical use including fatty foods. FDA Approved. Good heat aging resistance.	5	0.6	+80°C - 60°C	MSM
ETC LXMR 	This Synthetic rubber has outstanding resilience and remarkable cut and tear resistance. Excellent wet abrasion resistance.	5	0.7	+70°C - 40°C	MSM
ETC LXMB 	Reinforced natural and synthetic rubber with superior strength and resilience for severe abrasion resistance. Low compression set and high elasticity.	7	0.7	+70°C - 40°C	HSM
ETC-SIL-38 	Silicon rubber with good release, wear/abrasion and temperature resistance (+200°C) properties. Non-toxic food and medical quality to FDA 177.2600.	7	0.4	+200°C - 30°C	HSM
ETC-SIL-55 	Silicon rubber with good release, wear/abrasion and temperature resistance (+200°C) properties. Non-toxic food and medical quality to FDA 177.2600.	7	0.4	+200°C - 30°C	HSM

BRECO® Backing Materials

Material	Description	Thickness	Temp range	Min. pulley dia.
Ausf-T	85 Shore 'A' Polyurethane material is a highly abrasion resistant backing with good cut and tear resistance. Good resistance against simple oils and fats.	2mm	to 80°C	80mm
NP	85 Shore 'A' Polyurethane material is a highly abrasion resistant backing with good cut and tear resistance. Good resistance against simple oils and fats. Has a profiled 'pimple' surface.	4mm	to 80°C	80mm
FG	85 Shore 'A' Polyurethane material is highly abrasion resistant backing with good cut and tear resistance. Good resistance against simple oils and fats. Has a profiled 'herringbone' surface.	4mm	to 80°C	120mm
Sylomer	85 Shore 'A' Polyurethane material with a high coefficient of friction is highly abrasion resistant with good cut and tear resistance. Good resistance against petrol, simple oils and fats.	3mm 4mm 5mm 6mm	to 80°C	80mm 120mm 150mm 180mm
Sylomer	Low to medium density partially closed cell elastomer for conveying delicate items. Good oil, grease, solvent and general chemical resistance. Good abrasion resistance. Available in three increasing densities, brown, green and blue.	12mm 25mm 12mm 25mm 12mm 25mm	to 80°C	80mm 120mm 80mm 120mm 80mm 120mm
PU-Yellow	Very high density fully closed cell elastomer for conveying delicate items. Good oil, grease, solvent and general chemical resistance. High wear resistance. Good for vacuum belts.	3mm 4mm 5mm	to 60°C	60mm 80mm 100mm
Supergrip	Green and blue approx. 30 Shore 'A' PVC profiled backing with good resilience and high wear resistance. The green is oil and fat resistant and suitable for snack food conveying applications. The blue PVC is not oil resistant.	4mm 4mm	to 60°C	60mm 60mm
Porol	Black closed cell Polychloroprene sponge. Good aging, oil, compression and chemical resistance and non-liquid absorbent. Non flammable and self extinguishing.	2mm 3mm	to 60°C	40mm
Celloflex	Polyurethane foamed elastomer with micro cellular construction. Excellent wear resistance. Good resistance against simple oils and fats. Very flexible.	2mm 3mm 5mm	to 80°C	80mm
HV1-Film	Transparent PU film suitable for food contact with good wear resistance and resistance to some cleaning agents.	1mm	to 60°C	80mm

Material	Description	Thickness	Temp range	Min. pulley dia.
Chrome Leather	Grey/blue chrome leather backing resistant to simple oils and fats. Good friction coefficient and resistant to abrasion. Good for conveying oily or greasy components.	2mm 3mm	to 60°C	80mm 100mm
Viton	Black 75 Shore 'A' Fluoroelastomer mix material with high contact temperature resistance up to 200°C. Resistant to simple oils and greases. Suitable for short term conveying of parts with a high residual temperature	2mm	to 200°C	80mm
Correx	Filled natural rubber excellent for profiling and grooving. High tear and abrasion resistance. High resilience and elasticity. Good for general conveying duties.	6mm 10mm	to 70°C	80mm 120mm
Linatex	Approx. 40 Shore 'A' natural rubber is the most common and versatile backing material with outstanding resilience and remarkable cut and tear resistance. Excellent wet abrasion resistance. Not oil and grease resistant.	2mm 3mm 4mm 5mm 6mm 8mm 10mm	to 60°C	60mm 80mm 80mm 80mm 100mm 100mm 100mm
PVC White	Approx. 40 Shore 'A' white PVC. Resistant to oils and fats and FDA approved for contact with foodstuffs.	2mm 3mm 4mm 5mm 6mm	to 80°C	60mm 60mm 80mm 120mm
PVC Herringbone	Approx. 40 Shore 'A' white PVC. Resistant to oils and fats and FDA approved for contact with foodstuffs. Top surface has 'herringbone' pattern.	4mm	to 80°C	80mm
PVC Blue	Approx. 40 Shore 'A' blue PVC. High coefficient of friction. Resistant to some oils and fats.	1mm	to 80°C	30mm 30mm
PVC Minigrip	Approx. 40 Shore 'A' blue PVC. Textured top surface. High coefficient of friction. Resistant to some oils and fats.	-	to 80°C	30mm
PAZ	Low coefficient of friction nylon tooth facing. Resistant to some oils and fats.	-	to 80°C	-
PAR	Low coefficient of friction nylon back facing. Resistant to some oils and fats.	-	to 80°C	-
PAZ/PAR	Low coefficient of friction nylon tooth and back facing. Resistant to some oils and fats.	-		-



Combitex Backed Belts

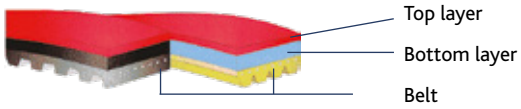


Combitex backings

Combitex belts can be manufactured from most permutations of bonded backing materials to give multi-layered belts with the desired resilience/ abrasion resistance/coefficient of friction properties. Combitex belts are used where the application needs a combination of backing properties, not available from a single backing material.

A typical example would be high compressibility combined with a high coefficient of friction. UraCell-LD is highly compressible but does not have a particularly high coefficient of friction and NKR is not particularly compressible but does have a high coefficient of friction. The solution to this problem is to combine two backing materials with the appropriate characteristics to give the required properties.

Some of the above combinations may require cross slitting or knife cutting for flexibility (please consult our Technical Department).



Top layers

Material	Properties
NKR-38	abrasion resistance, high coefficient of friction
FoodX-40	food quality, good heat aging resistance
AbbrX-55	resistant to severe abrasion, high resilience and elasticity
NitriSol-55	heat, wear, abrasion and aromatic carbon resistant
UraCell VHD	high wear resistance, oil, fat and chemical resistant

Bottom layers

Material	Properties	RCI*
NeoCell	good oil and chemical resistance, closed cell material	4
NeoCell-Plus	good oil and chemical resistance, closed cell material	3.2
UraCell-LD	partially closed cell, good oil and chemical resistance	7.2
UraCell-MD	partially closed cell, good oil and chemical resistance	5.3
UraCell-HD	partially closed cell, good oil and chemical resistance	4.3

RCI*= Relative Compressibility Index

TransDev Coloured Polyurethane Belts

Over 500 different colours are available, complying with RAL, BS 4800, BS 381c and BS 2660.

All types of polyurethane belts are available, including profiled, covered and machined BRECOFLEX®, BRECO® M and V and SYNCHROFLEX®.

Coloured belts are ideal for product identification, advertising and corporate design. Although there will always be a minor variation between two different batches, the highest possible standards of colour accuracy and consistency can be achieved.

We offer 5 different colours from stock:

RAL 9017

RAL 5017

RAL 3020

RAL 1023

RAL 6029

Printed colours shown are not for colour matching.

TransDev
SPECIAL BELTS

Profiled, Special and Mechanically Reworked Belts



COMPLEX BELTS

BELT PROFILES

JOINTED BELTS



TransDev SPECIAL BELTS

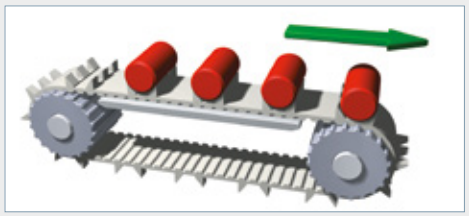
WELDED ON PROFILES

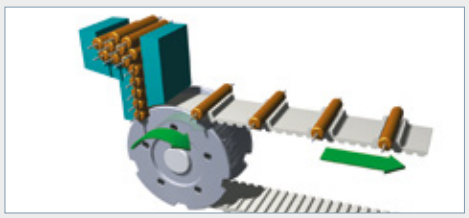
A complete package of timing belts and profiles offering unlimited possibilities.

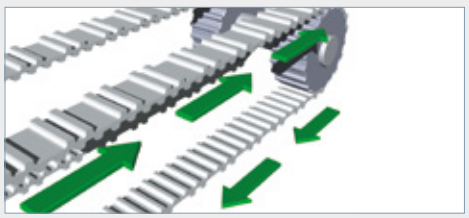
Unlimited possibilities

TransDev timing belts with welded on profiles (e.g. with dogs or cams on the back of the belt) offer unlimited possibilities to the designer. The high levels of automation required today means the designer is often called upon to come up with an innovative solution.

Care must be taken to consider both the nature of the product to be transported and the purpose for doing so. TransDev offer a complete package of timing belts and many different profiles, making innovative solutions to separating, indexing and positioning applications possible.







Design guidelines

Belt selection

The drive parameters must first be determined, thus establishing the belt pitch, belt length and pulley sizes. Profiles can be welded to any available pitch of timing belt. For transport applications, it is advisable to use BRECO® belts with PAZ (PAZ=nylon coating on the teeth). The nylon coating gives a reduced coefficient of friction, thus allowing better running and wear resistance when used in conjunction with slide beds.

Profiles selection

Both the type of product to be conveyed and the method of transportation will influence the choice of profiles. The following possibilities exist:

- **Standard profiles** - These profiles are injection moulded out of polyurethane. A selection of the most popular are shown on pages 302 and 303. Design around these if possible. Standard profiles can also be modified by drilling or grinding - please send a drawing with your requirements.
- **Profiles from sheet material** - Profiles can be cut from polyurethane sheet material according to requirements. The following sheet thicknesses are available: 3, 5, 8, 10 and 20mm. Extremely complex designs can be manufactured in this way.
- **Special manufacture profiles** - Should you find that none of the standard profiles suit your application, we are able to machine profiles to your requirements; e-mail: sales@transdev.co.uk for a quotation.

Positioning the profiles over the toothform

The belt flexibility relies on the tooth gap. In order to maintain the belt flexibility around the pulleys, it is advisable to position profiles over the belt teeth.

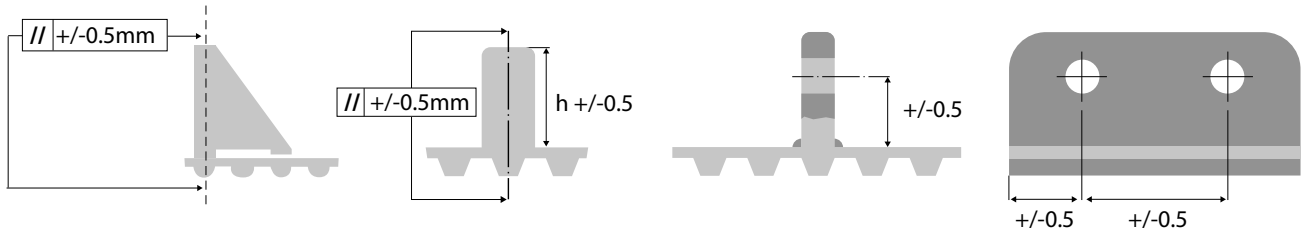
Profile and belt pitch

If possible, the pitch of the profiles should equate to a whole number of pitches on the belt. If this is not possible, ensure that the sum of the profile pitches equals the required belt length.

Welded On Profiles

Profile tolerances

The standard pitch to pitch tolerance between profiles is +/-0.5mm. Standard height tolerance is +/- 0.5mm. Improved tolerances available, subject to tooling being available.

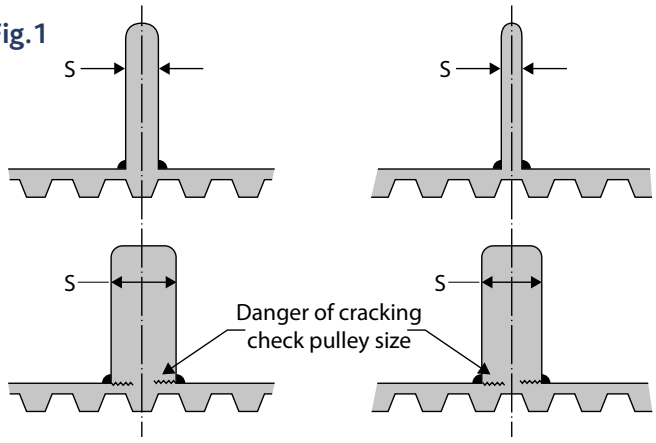


Profile thickness 'S'

The belt flexibility can be affected by the profiles if a fairly thick profile is selected. As a rule, the profile thickness 'S' should be as small as possible to perform the required task (the shear strength of a profile is approximately 160 N/cm^2).

The following table illustrates the relationship between the chosen pulley size and the maximum corresponding profile thickness 'S'. If the maximum thickness 'S' is exceeded, there is a danger of cracking, as shown in the diagram (Fig.1- right).

Fig.1



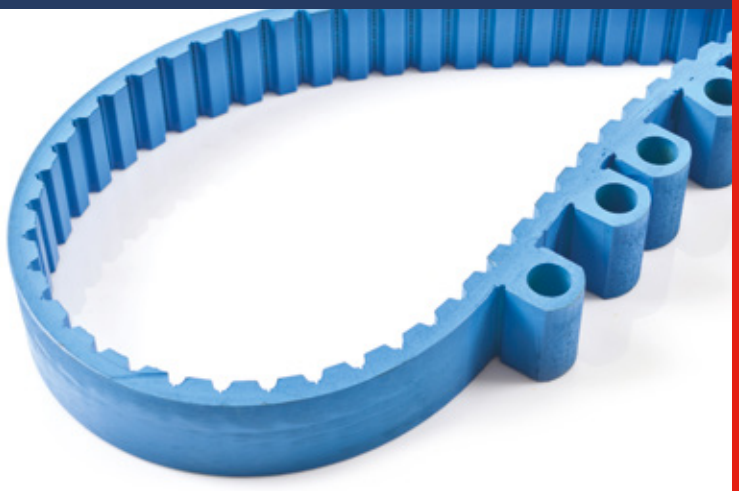
Pitch	Profile width (mm)													
Number of teeth in pulley	20		25		30		40		50		60		100	
Position type	1	2	1	2	1	2	1	2	1	2	1	2	1	2
T5	5	2	6	2	6	3	8	4	9	6	10	8	12	10
T10	8	3	9	4	10	4	12	6	14	9	15	12	20	20
T20	12	5	13	5	15	6	18	8	20	12	23	20	30	30
AT3	5	2	5	2	6	3	6	3	8	4	9	6	10	8
AT5	5	2	6	2	6	3	8	4	9	6	10	8	12	10
AT10/ATP10/ BAT 10/SFAT 10	8	3	9	4	10	4	12	6	14	9	15	12	20	20
AT20/SFAT 15/SFAT20	12	5	13	5	15	6	18	6	20	12	23	20	30	30
XL	5	2	6	2	6	3	8	4	9	6	10	8	12	10
L	6	3	7	3	8	4	10	5	12	7	13	10	16	16
H	8	4	9	5	10	6	12	7	14	10	15	12	20	20
XH	13	5	14	5	15	6	18	8	20	12	23	20	30	30

Profile thickness example

Determining the profile thickness 'S' on a T10 BRECO® belt running around a 20 tooth pulley:

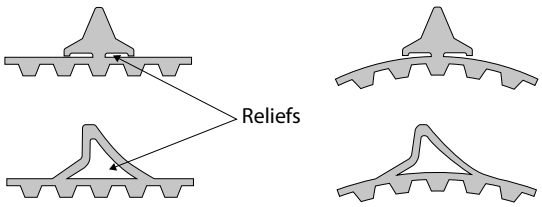
- For profiles positioned over the tooth form, profile thickness 'S' <=8mm
- For profiles positioned over the tooth gap, profile thickness 'S' <=3mm

Profiled, Special and Mechanically Reworked Belts



Profile with reliefs

The flexibility of the belt will not be affected if the appropriate reliefs are designed into the profiles.



Profile with inserts

For special applications, profiles can be manufactured with moulded inserts. Standard inserts can be drilled, tapped and threaded in a wide variety of sizes. Customers who wish to supply inserts must supply an additional 5% to allow for sample batches. **Please contact our Technical Department to ensure that the correct inserts are supplied.** In the majority of cases, profiles are positioned directly over a tooth, (i.e. the profile pitch is exactly divisible by the belt pitch). A pitch error between the profiles and belt is thus avoided as each profile is positioned relative to the belt teeth rather than being indexed from the last profile, which causes any errors in profile positioning to accumulate along the belt length.

Profile pairs

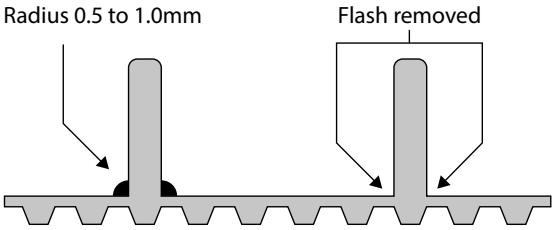
Profiles in pairs are preferred for conveying when positioning or depositing is required. Standard tolerance between profile pairs is +/- 0.5mm. A tolerance of ± 0.2mm is attainable with special tooling. **There is a tooling charge for this service.**

Profile with drilled holes

Holes can be drilled into profiles to suit special attachments. Standard tolerances as shown, left.
Note: The profiles are drilled before they are welded to the belt.

Flash

Flash occurs between the profile and the back of the belt as a result of the welding process employed. (See below). The flash radius can be between 0.5 and 1mm. **If the flash will impair the function of the profile, please order profiles "with flash removed".**



Ordering example

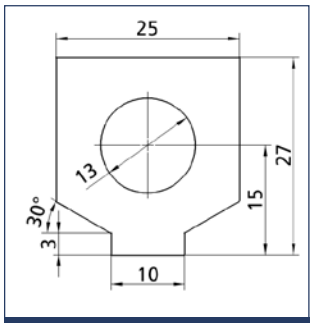
50	T10	/ 5000	/	BFX	2.3.2.015.008	100	50
Width (mm)							
Toothform							
Belt length (mm)							
Belt type[1)]							
Profile type							
Number of profiles							
Profile pitch (mm)							

[1)] *BRECOFLEX® = BFX Open length = M Joined = V*

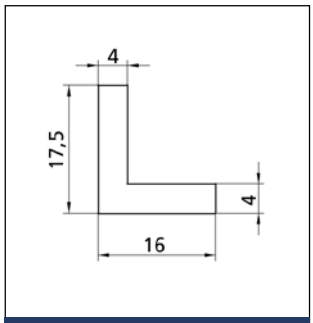
A drawing of the profiled belt is preferred when ordering, although a profile belt can be ordered by description alone

Standard Profiles

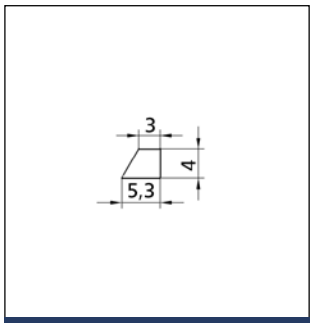
The Profiles shown below represent just a tiny proportion of 3000 profiles available



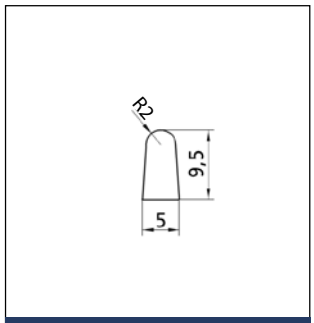
Depth: 50 mm
Profile no. 2.3.2.025.027



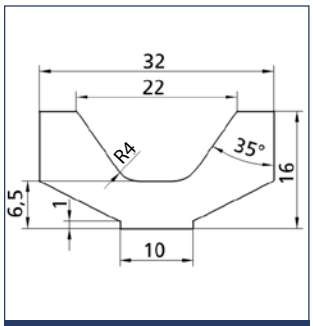
Depth: 48 mm
Profile no. 2.3.3.017.016



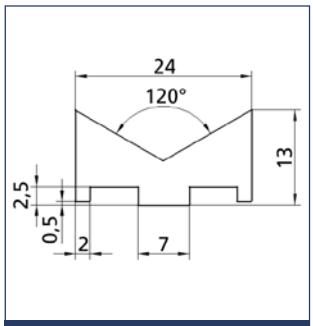
Depth: 25 mm
Profile no. 2.3.3.004.005



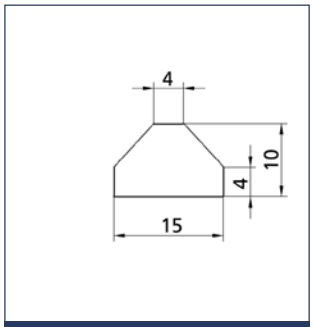
Depth: free
Profile no. 2.3.3.009.005



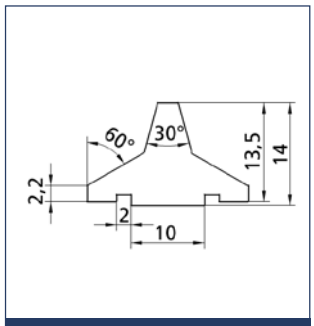
Depth: 15 mm
Profile no. 2.3.3.016.032



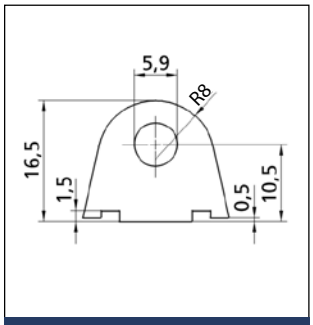
Depth: 15 mm
Profile no. 2.3.3.013.024



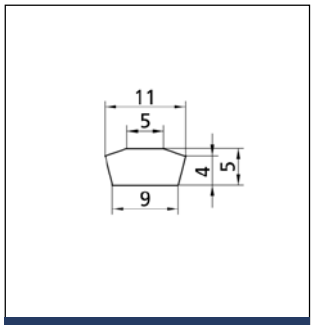
Depth: 35 mm
Profile no. 2.3.3.015.010



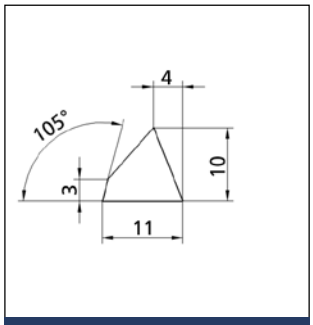
Depth: 170 mm
Profile no. 2.3.3.014.022



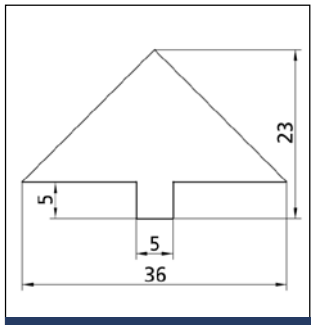
Depth: 15 mm
Profile no. 2.3.3.016.020



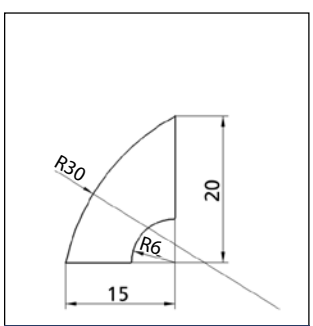
Depth: 25,4 mm
Profile no. 2.3.3.011.005



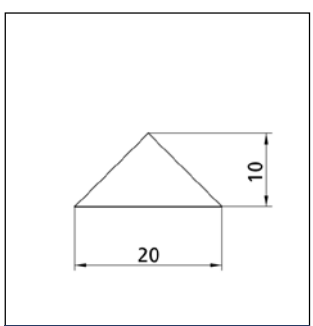
Depth: 98 mm
Profile no. 2.3.3.011.010



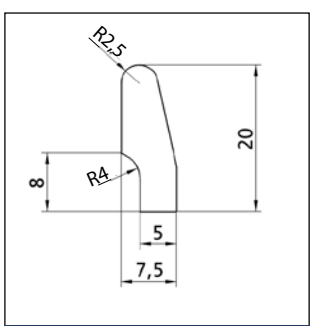
Depth: 100 mm
Profile no. 2.3.3.023.036



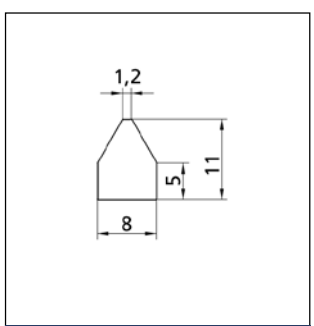
Depth: 100 mm
Profile no. 2.3.3.020.015



Depth: 100 mm
Profile no. 2.3.3.020.010



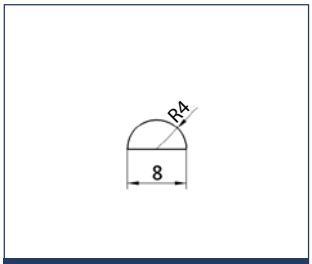
Depth: 70 mm
Profile no. 2.3.3.007.020



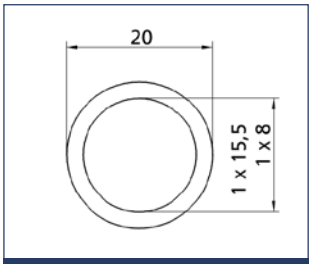
Depth: 10 mm
Profile no. 2.3.3.008.011

Standard Profiles

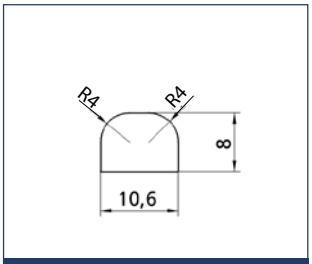
Almost any shape of profile can be manufactured to your specification



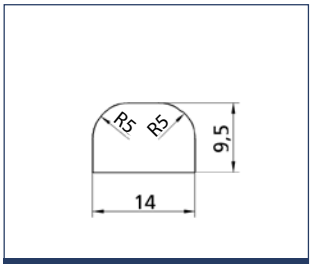
Depth: 100 mm
Profile no. 2.3.1.008.004



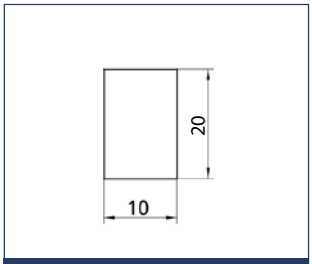
Depth: 50 mm
Profile no. 2.3.1.015.020



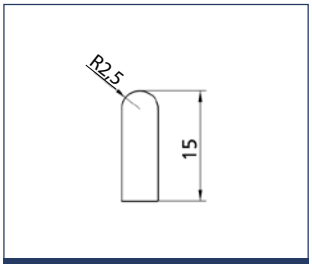
Depth: 100 mm
Profile no. 2.3.2.008.010



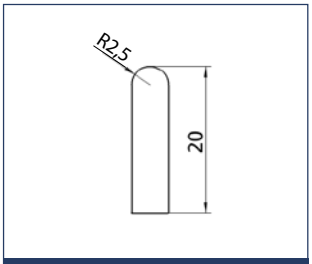
Depth: 64 and 100 mm
Profile no. 2.3.2.009.014



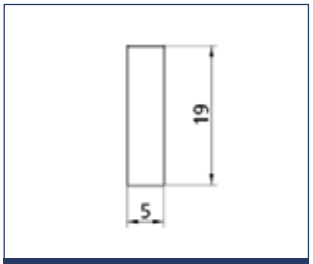
Depth: 100 mm
Profile no. 2.3.2.010.020



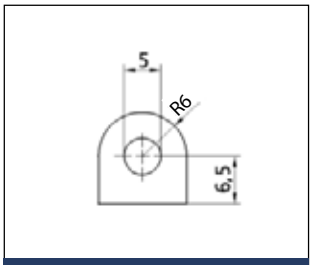
Depth: 195 mm
Profile no. 2.3.2.015.005



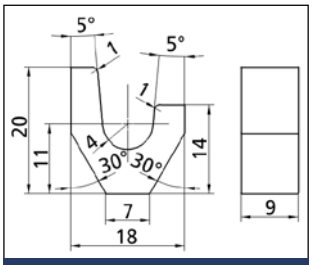
Depth: 100 mm
Profile no. 2.3.2.020.005



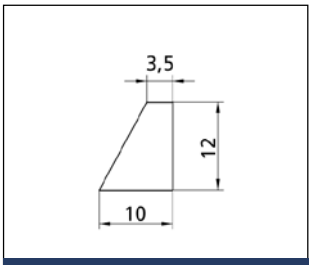
Depth: 64 mm
Profile no. 2.3.2.019.005



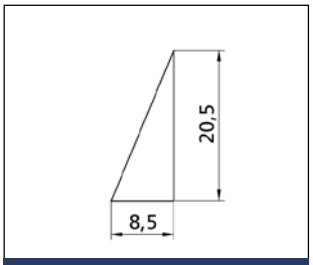
Depth: 50 mm
Profile no. 2.3.2.012.012



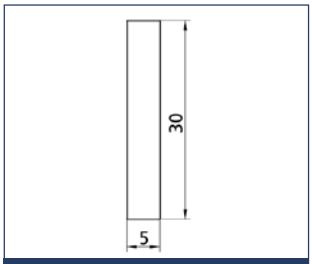
Profile no. 2.3.2.018.020



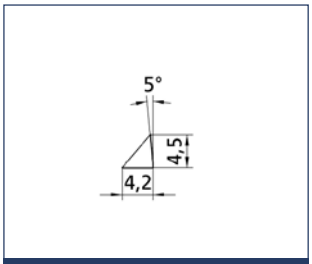
Depth: 130 mm
Profile no. 2.3.2.010.012



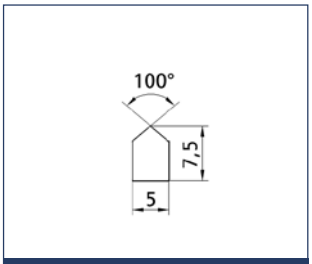
Depth: 100 mm
Profile no. 2.3.2.008.020



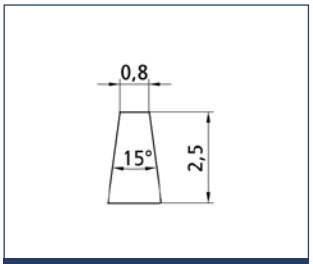
Depth: 100 mm
Profile no. 2.3.2.030.005



Depth: 101,6 mm
Profile no. 2.3.2.004.004



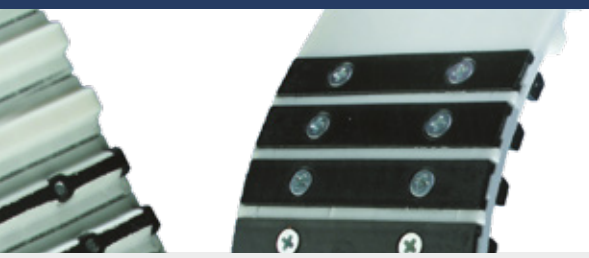
Depth: 100 mm
Profile no. 2.3.2.005.007



Depth: 64 mm
Profile no. 2.3.2.001.002



See BRECO® ATN Series Timing Belts – Page 125



BRECO TIMING BELTS

43 65

BRECO® AT10/T10 TIMING BELT LOCK

Substantial savings in work and costs where, the timing belt can only be joined after being inserted in the machine

AT10/T10 BRECO® Timing Belt Lock

The BRECO® timing belt lock for the timing belt types AT10 and T10 is mainly used for low load drives but extensive assembly work.

The lock offers substantial savings in work and costs where, for design purposes, the timing belt can only be joined after being inserted in the machine. It can also be used as an emergency belt to bridge downtimes, as a result of malfunctions and belt failures.

When using the lock, for timing belts with flighted profiles, take a minimum profile spacing of 100mm into account.

Properties	
Material of lock elements	Carbon fibre reinforced polyamide
Length of the lock (tooth centre to tooth centre)	90mm
Number of connecting elements	10
Width of connecting plates	8mm
Thickness of the timing belt (Version DC)	5.5mm
Minimum number of teeth of pulley (Use only normal gap)	25

Available belt widths (mm)	
AT10 DC	32, 50, 75, 100
T10 DC	32, 50, 75, 100

Admissible tensile force	
32mm	550N
50mm	750N
75mm	1000N
100mm	1500N

Ordering information

The lock elements on the belt rear are countersunk so that the elements are flush with the belt top edge.
For this reason, the timing belts used must be thicker than the standard BRECO® AT10 or T10 timing belt. Ensure that you specify the version as "DC" when ordering an AT10 belt

Ordering examples

Ordering example for timing belts prepared for belt lock (belt lock isn't assembled)

- 75 AT10/8400 DC or 100 T10/6000 DC

Ordering example for timing belt lock

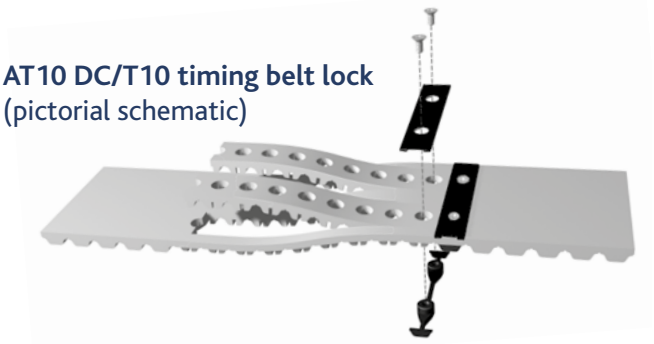
- 75 AT10 DC or 100 T10 DC

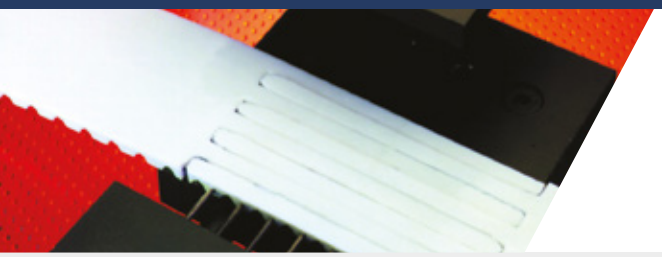
Ordering example for timing belt with lock (belt lock is pre-assembled)

- 50 AT10/5400 DC assembled
- 50 AT10 DC assembled

Please Note:
Specify the two respective designations when ordering the timing belt and the lock. If only the timing belt designation is specified, only the timing belt will be supplied with the respective preparation for the lock.

AT10 DC/T10 timing belt lock (pictorial schematic)





TransDev SPECIAL BELTS

ON-SITE MECHANICAL ASSEMBLY

A complete package of timing belts and profiles offering unlimited possibilities.

On-site mechanical assembly

TransDev joined Polyurethane belts are welded in our Poole factory using specialised equipment and tooling. Whilst our own in-house joining facility is not portable, we have developed two joining methods to enable on-site assembly, where the belt can be joined whilst in position on a machine. A system can now be designed where an endless belt can be fitted into otherwise difficult surroundings, where the installation of a pre-joined belt would be time consuming, awkward or impossible. The advantage of the many hours saved disassembling and reassembling a complex machine to replace the timing belt is obvious. In some cases it is only possible to design timing belts into a system if on-site joining is possible.

Pin jointing

The first method, 'pin jointing', utilises pins which are inserted into prepared holes in the belt teeth using a special tool, which we have developed for the purpose. Assembly is reasonably straightforward using the instructions supplied. We estimate that assembly will take approximately 10 minutes after the cut ends of the belt have been positioned ready for joining. There should be some means of adjustment to allow the belt to be tensioned after joining. It should be noted that the load figures of 'pin jointed' on-site assembled joins are reduced when compared to normal welded joins. Each tool is designed and manufactured specifically for each pitch and width, so multiple tools would be necessary for machines using varying sizes. Only certain pitches and width combinations are available, as listed in the table below.

Pin joint belt sizes

Pitch	Available					
T10	25	32	50	75	100	
AT10	25	32	50	75	100	150
T20			50	75	100	150
AT20		32	50	75	100	150
H	1"	1½"	2"	3"	4"	
XH			2"	3"	4"	

On-site welding

We can provide an on-site welding service where a belt is heat welded by our engineers to the same standard as those joined in our factory, the finished product being identical to a "BRECO® V" belt supplied ready joined.

After initial inspection of your machine to determine what on-site welding tooling is required from our existing extensive range, the belts are prepared for joining in our factory and installed on-site by our engineers. We will also need to assess services during our initial visit, to ensure that our equipment will operate correctly. The service can be completed outside of normal working hours, on bank holidays or at weekends if required, reducing the inconvenience of belt replacement during production time.

Any belt pitch and width available in the normal joined range may be supplied, providing there is sufficient room to access the belt for joining.

For further information about any of these on-site assembly services, please contact our Technical Department, who can advise the suitability of the service and discuss any specific requirements.



TransDev
SPECIAL BELTS

Antistatic Belts



SPRAYED ELECTRICALLY CONDUCTIVE BLACK COATING

PU AND RUBBER BELT OPTIONS

EASIER FCC AND CE CERTIFICATION

OTHER SUBSTRATES POSSIBLE



TransDev
SPECIAL BELTS

ANTISTATIC BELTS

A specific new solution for all those who operate in hazardous industrial fields

Introduction

Dielectric materials, such as belt carcass materials, are by definition poor conductors of electricity. When such materials are separated after contact with either a conducting material or another insulating material, a static electric charge can be produced by the capacitance effect, which can lead to sparking or crackling.

When these electric particles discharge they can cause the following problems;

- Destruction of sensitive electronic equipment
- Radio frequency interference (RFI)
- Risk of ignition or explosion of flammable materials
- Risk of shock due to the high voltages generated

The British Standard BS2050 (1978) is the recognized specification which covers the test procedures and accepted levels for rubber and Polyurethane timing belts relating to antistatic properties.

Antistatic Belts Sprayed

TransDev has developed a post manufacturing electrically conductive black coating which complies with the above specifications and is available on all Polychloroprene type rubber timing belts and currently on 3 different Polyurethane belt substrates (All BRECO®/BRECOFLEX® & SYNCHROFLEX® belts).

The antistatic timing belt is, therefore, a specific and new solution for all those who operate in hazardous industrial fields, where static build-up would present potentially disastrous circumstances (e.g. chemical, mining, oil and electronics). Elimination of RFI also makes for easier FCC and CE certification. It is obvious that during the working life of the drive that the eventual reduction of conductivity means that the testing of the belt's resistance in a planned maintenance schedule is important. TransDev is also able to supply you with a belt surface conductivity tester.

Additional Information

- The maximum surface resistance for BS2050 is 5×106 x l/(8*b) Ohms and for DIN EN is 3 x 109 Ohms
- Certification is available for all belt types
- Other substrates may be suitable but please contact our Technical Department first





See **Antistatic Conductivity Meter – Page 32**

HAUL-OFF SOLUTIONS
THE COMPLETE EXTRUSION PACKAGE

TRANSGRIP



WE'VE GOT GRIPPING HAUL-OFF SOLUTIONS

TransDev offer the most comprehensive Haul-Off package for the Extrusion Industry

Haul-Off Belts

- 20+ cover types
- Large base belt stocks
- Full machine shop profiling
- In-house design
- Pulleys
- Manufactured in the UK

Haul-Off Pads

- Full Quick Release System
- Lightweight Aluminium base plates
- High specification Polyurethane coating

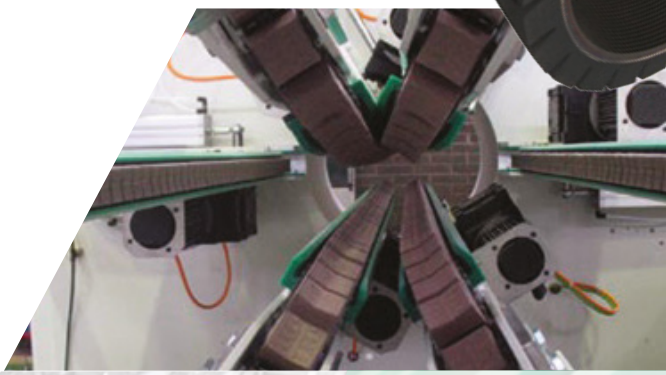
Chains

- Rubber topped chain
- Sprockets and chain guides
- Attachment chain from stock

Services

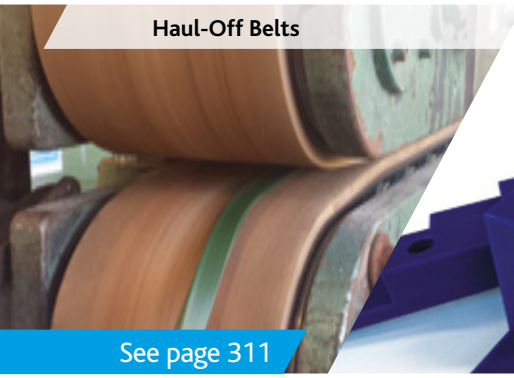
- Free site surveys
- Short lead-times
- Competitively priced





To learn more call
+44 (0)1202 675 555

Haul-Off Belts

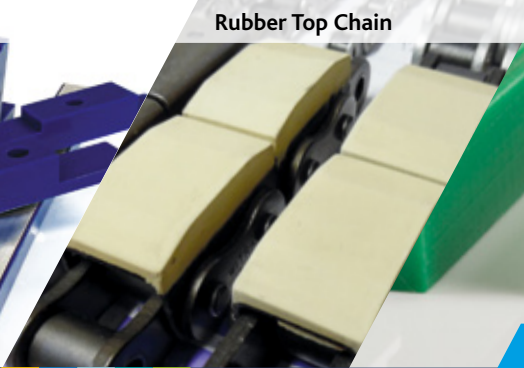


See page 311

Haul-Off Pads



Rubber Top Chain



Chain Guides



See page 1067

BELTS PULLEYS CHAIN SPROCKETS GEARS BEARINGS LINEAR HARDWARE PLASTICS

TransDev®
THE POWER IN MOTION

TRANSGRIP

Drawdown Belts



- FORM-FILL-SEAL MACHINES
- POLYURETHANE AND POLYCHLOROPRENE BASE BELTS
- GLUED OR MOULDED BACKINGS
- MULTI-DIRECTIONAL
- OVER 500 BELTS COVERING POPULAR MACHINE BRANDS



Introduction

A DRAWDOWN RANGE TO GET TO GRIPS WITH

We offer a wide range of high quality Drawdown Belts for the food and packaging industry.





These manufactured toothed timing belts come complete with a backing on the top surface to help vertically draw down film in packaging machines to make bags. A complete range of moulded, seamless backings, machining and milling options are also available.

TransDev Draw Down belts are available with rubber as well as Polyurethane base belts. All covers are precision ground to give consistent thickness, with our in-house specialist machinery we are able to produce vacuum belts with holes, slots and machined teeth

A complete range of seamless backings are available to suit all Draw Down applications. Seamless backings are bi-directional and offer a consistent grip with films.

Transgrip is a rubber base belt with a seamless high-quality 40 ShA red Natural rubber backing. A harder red rubber compound is also available. The 60 ShA compound is suitable where softer backings wear too quickly or for vacuum belts.



Visit transdev.co.uk to download a brochure and industry guide

TRANSGRIP

Transgrip Standard Stock Range

- Huge stocked range
- Very competitively priced
- Popular sizes available for next day delivery
- Bi-directional moulded belts
- Rubber Base Belts as standard
- 40 ShA standard backing hardness
- 60 ShA available in selected sizes
- Belts can be supplied in pairs and in sealed bags
- Full technical support, supply and stocking options

Additional Custom Options

- Less popular sizes available at short lead times
- Transback custom endless backings
- Glued backings available for non-standard sizes

Transback Custom Backings

No overlap joint delamination, no adhesive layer to be attacked or degraded, no compromise on food quality or medical applications.

Custom Belts

If the belts are a non-standard size they can be manufactured in-house to your specific requirements. Seamless and glued backings are available for less popular sizes. Stocking of specific belt types for call-off is also possible. Please contact our Sales Office for details.



All major brands supported

TransDev hold a massive database of original machine belt types and part numbers. We provide expert technical support, assisting our customers in correctly identifying which Draw Down Belt they require. Below are just a few of the many types available directly from TransDev.



Sandiacre vacuum belts
270 L 100 ETC LXM B

Ishida vacuum belts
Black Rubber H section base belt with ETC LXM B and vacuum holes

TNA
Black Neoprene vacuum belts



TNA
High gloss finish on silicone



Hayssen/Sandiacre vacuum belts
225L 100 ETC TP40R, 225L 100 ETC LXMB, 270H 200, 270L 100 ETC TP40R



Rovema
50 T10 630 belts - Black Rubber base and ETC TP40R backing. Counter sunk holes.



Bosch
50 T10 920 vacuum belts – yellow foam LH RH slots.



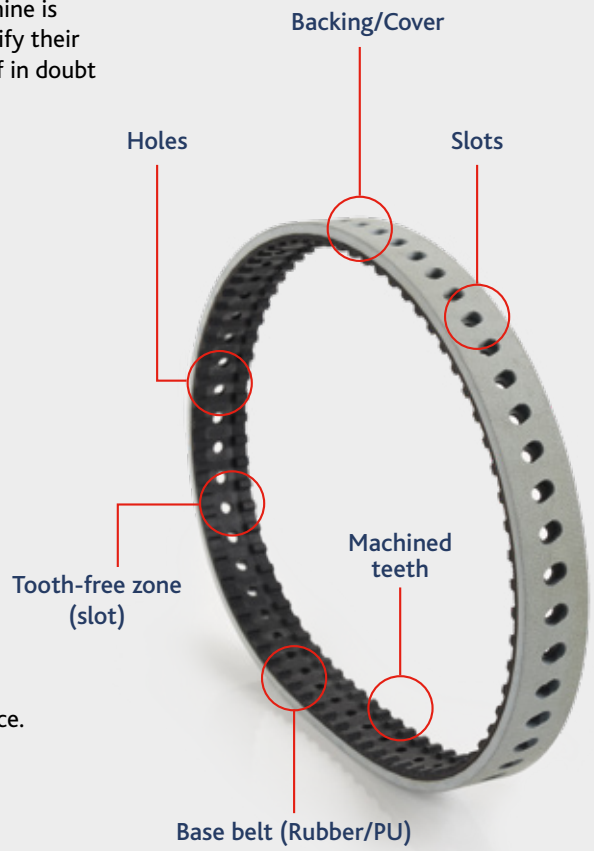
Bosch/Aquarius
30 T10 920 belt with special high grip thin, translucent silicone backing.

Also available: EaglePack, Fuji Machinery, Gainsborough, GIC, Ilapak, Matrix Packaging, Ricciarelli

Identifying, Specifying and Ordering

Identifying your Draw Down Belt

Getting the right Draw Down belt for your packaging machine is critical for its operation. Therefore to help customers identify their existing belts we have detailed the key points to look for. If in doubt send belt samples to TransDev for expert identification.



Base Belt

- Base Belts can be Polyurethane or Rubber.
  Silicone Rubber backings can be applied to both Polyurethane and Rubber base belts.

Backing/Cover

- Many different backing/cover types are available.
- Check hardness of backing with shore hardness tester.

Machined teeth

- Measure tooth-free zone
  Many belts have tooth-free zones (slots) on tooth side to enable belts to run over a vacuum bed.

Holes & Slots

- Measure the hole diameter on tooth side and top surface.
  Some holes are counter sunk- e.g. Rovema belts.
- Check pitch of holes.
- Check top surface for slots and angles; measure width, length and depth.

NOTES

Base belt material = ...

Belt width = ...

Overall thickness = ...

Belt tooth pitch = ...

Number of teeth = ...

Tooth slot width = ...

Through hole Ø = ...

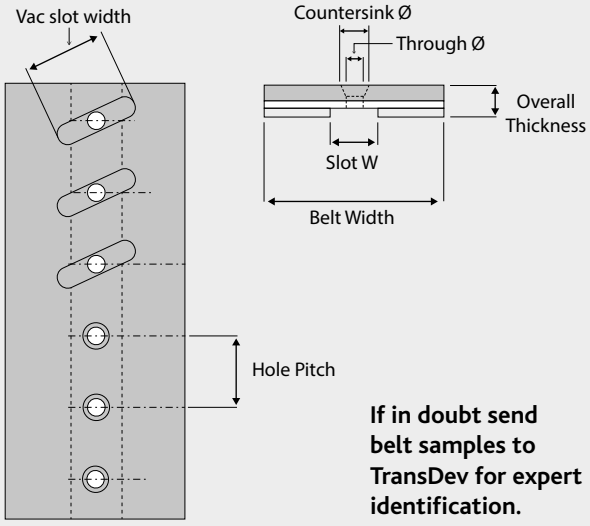
Countersunk hole Ø = ...

Vac slot width = ...

Backing/Cover type = ...

Colour = ...

Hardness = ...



If in doubt send belt samples to TransDev for expert identification.

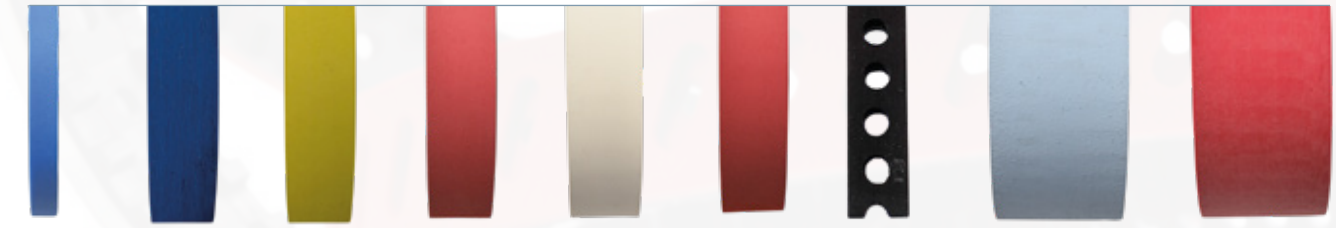
Identifying, Specifying and Ordering



Ordering your Belts

TransDev holds a large stock of Draw Down belts for fast delivery. For the trade we offer contract prices for most popular belts, so that you can supply a small quantity of belts at very competitive prices. TransDev can also hold stock for customers to call-off, so that even special constructions of belts can be available on a quick delivery.

Backing Materials



ETC SIL38 | ETC SIL50R | ETC PUR50Y | ETC TP40R | ETC SIL55 | ETC TP60 | ETC TP53B | ETC LXMB | ETC LXMR

Machined Options



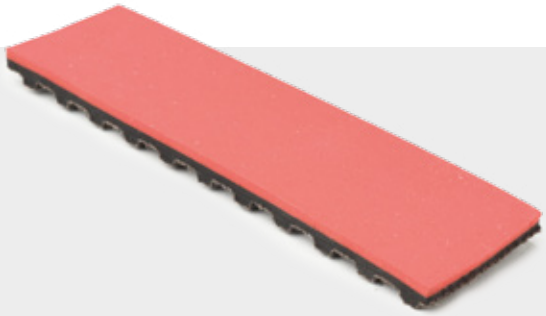
ANGLED SLOTS | ANGLED SLOTS | PARALLEL SLOTS | PARALLEL SLOTS | COUNTERSUNK HOLES | COUNTERSUNK HOLES | ROWS OF HOLES



See BRECO*protect*® – Page 145

Standard Belts

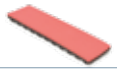
TRANSGRIP



Transgrip Standard Belts

Transgrip is a rubber base belt with a seamless high-quality 40 ShA red Natural rubber backing. A harder red rubber compound is also available. This 60 ShA compound is suitable where softer backings wear too quickly or for vacuum belts.

Transgrip Backings

Material	Endless backings description	Abrasion resist	Coefficient of friction	Temp range	Stress rating
ETC TP40R 	40 ShA Natural Rubber – our "stocked" standard backing for Draw Down belts	5	1.0	+70°C - 40°C	MSM
ETC TP60R 	60 ShA Natural Rubber - stocked in selected sizes	6	8.85	+70°C - 40°C	MSM

Transgrip Belt Sizes & Covers

Belt Ref.	Length (mm)	TP40R	TP60R
T10/ 530	530	✓	
T10/ 560	560	✓	
T10/ 600	600		✓
T10/ 630	630	✓	
T10/ 700	700	✓	
T10/ 720	720	✓	
T10/ 780	780	✓	
T10/ 800	800	✓	
T10/ 810	810	✓	
T10/ 840	840	✓	
T10/ 880	880	✓	
T10/ 920	920	✓	
T10.5/ 934.5	934.5	✓	
5M-635	635	✓	
150L	381	✓	

Belt Ref.	Length (mm)	TP40R	TP60R
187L	476.3	✓	
210L	533.4	✓	
225L	571.5	✓	✓
240L	609.6	✓	
240H	609.6	✓	
255L	647.7	✓	
255H	647.7	✓	
270L	685.8	✓	✓
270H	685.8	✓	
280XL	711.2	✓	
285L	723.9	✓	
300H	762	✓	
322L	819.1	✓	
330H	838.2	✓	
367L	932.2	✓	

Custom Belts

TRANSBACK

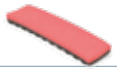
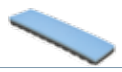
Custom Belts

If the belts are a non-standard size they can be manufactured in-house to your specific requirements. Seamless and glued backings are available for less popular sizes. Stocking of specific belt types for call-off is also possible. Please contact our Sales Office for details.

Transback Custom Backings

- No overlap joint delamination.
- No adhesive layer to be attacked or degraded.
- No compromise on food quality or medical applications.

Transback Custom Backings

Material	Endless backings description	Abrasion resist	Coefficient of friction	Temp range	Stress rating
ETC 38NR 	This 95% Natural Rubber has resilience and remarkable cut and tear resistance	5	1	+70°C - 40°C	MSM
ETC 60NR 	Synthetic and Natural Rubber mix compounded for flexibility and wear resistance	6	0.85	+70°C - 40°C	HSM
ETC 70NR 	HD Synthetic and Natural Rubber mix with ultimate wear & cut resistance	7	0.7	+70°C - 40°C	HSM
ETC 50NBR-FG 	Food/medical grade Nitrile with excellent oil and heat resistance	5	0.8	+110°C - 20°C	MSM
ETC LXMR 	Synthetic and Natural Rubber mix with excellent elasticity and dry abrasion resistance	5	1	+70°C - 40°C	MSM
ETC LXMB 	A blue version of ETC LXMR exhibiting the same excellent performance	5	1	+70°C - 40°C	MSM
ETC SIL38 	A soft food/medical grade Silicone with high grip and temperature resistance	4	0.9	+200°C - 30°C	LSM
ETC SIL55 	A firmer food/medical grade Silicone with excellent release properties and temperature resistance	5	0.6	+200°C - 30°C	MSM
ETC TP53B 	53 ShA black Neoprene offering good wear resistance	6	0.8	+110°C - 20°C	MSM
ETC SIL50R 	Food grade High Gloss Silicone offering unrivalled grip and wear resistance	7	1.2	+220°C - 30°C	MSM
ETC SIL50B 	Food grade soft blue Silicone with high grip and excellent temperature range	4	0.9	+220°C - 30°C	LSM
ETC PUR50Y 	Microcellular sprayed PU with superb wear and general chemical resistance	5	0.3	+80°C - 30°C	MSM

OUTSTANDING VALUE
RUBBER POLY VEE BELTS

POLY-VFLEX

THE FLEXIBLE BELT
WITH GROOVES





Poly Vee belts are multiple V cross-section belts that perfectly align with the matching pulley grooves.

Features vs Vee Belts

- Compact but with a large surface area
- Less than 2% slippage
- Minimal start-up and stopping noise
- Reduces vibration
- Uniform tension across belt
- Flexes to suit multiple serpentine drive configurations
- Higher output (+98%)
- Improved lifespan (up to 4 times longer)
- Reduced maintenance

Properties

- Consistent thickness
- Ability to flex and counter flex with drive requirements
- Temperature range from -45c to 120c (EPDM)
- Absords torque spikes
- Can be used with a smooth receiver pulley
- Profile to ISO 9982

Application

- Small sheave compact designs
- Drives with fixed centre distances
- Serpentine drives
- Large transmission ratios



AVAILABLE NOW

DRIVEFLEX
POLY VEE PULLEYS

DRIVEFLEX



For **Poly Vee Belts** see page 267

BELTS PULLEYS CHAIN SPROCKETS GEARS BEARINGS LINEAR HARDWARE PLASTICS

TransDev®
THE POWER IN MOTION

TRANSGRIP

Haul-off Belts

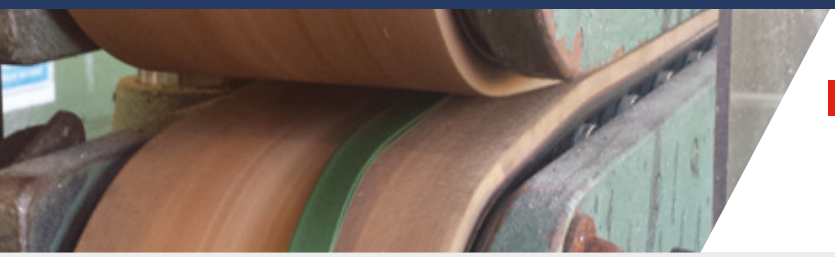


20+ COVER TYPES

LARGE BASE BELT STOCKS

FULL MACHINE SHOP PROFILING & IN-HOUSE DESIGN

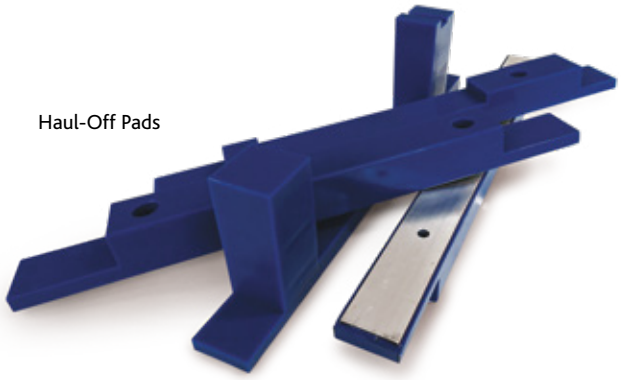
MANUFACTURED IN THE UK



Introduction

WE'VE GOT GRIPPING HAUL-OFF SOLUTIONS

TransDev offer the most comprehensive Haul-Off package for the Extrusion Industry



Haul-Off Pads

The characteristics of many TransDev timing belts can be modified by applying one or more backings and enabling infinitely different designs for conveying applications.

Specific haul off belt properties such as high or low coefficient of friction, soft, hard or compressible can all be achieved with a backing. Using a thick backing affects the belt's flexibilty and therefore also the minimum pulley diameter; but slotting the backing can improve the flexibility.

We can bond our backing materials to virtually any base belt for use as haul off belts and puller belts. We can currently process belts to a length of 90 metres and to a width of 600mm.

Haul-off/puller belts are mainly used in the plastics and cable industries to pull extruded profiles.



TRANSGRIP

Services

- Extensive expertise
- Free site surveys
- Short lead-times
- Competitively priced



Haul off Belts

- 20+ cover types
- Large base belt stocks
- Full machine shop profiling
- In-house design
- Pulleys
- Manufactured in the UK

Chains

- Rubber topped chain
- Sprockets and chain guides
- Attachment chain from stock

Pads

- Full Quick Release System
- Lightweight Aluminium base plates
- High specification Polyurethane coating

THE **COMPLETE** EXTRUSION PACKAGE

See the range of haul-off solutions that perfectly compliment our haul-off belts

Chains / P501



Rubber Top Chain



Chain Guides / P1067



TRANSGRIP

Sausage Belts



TRANSDEV SAUSAGE BELTS WITH TRANSBACK MOULDED BACKINGS

(TICTAC) SINGLE MOULDED LAYER SAUSAGE BELTS

(TICTAC) DOUBLE MOULDED LAYER SAUSAGE BELTS

SILICONE SAUSAGE BELTS FOR LINK CUTTING OPERATION



TRANSGRIP

TRANSDEV SAUSAGE BELTS

Synchronous, FDA approved material, moulded belt backings for sausage machines.



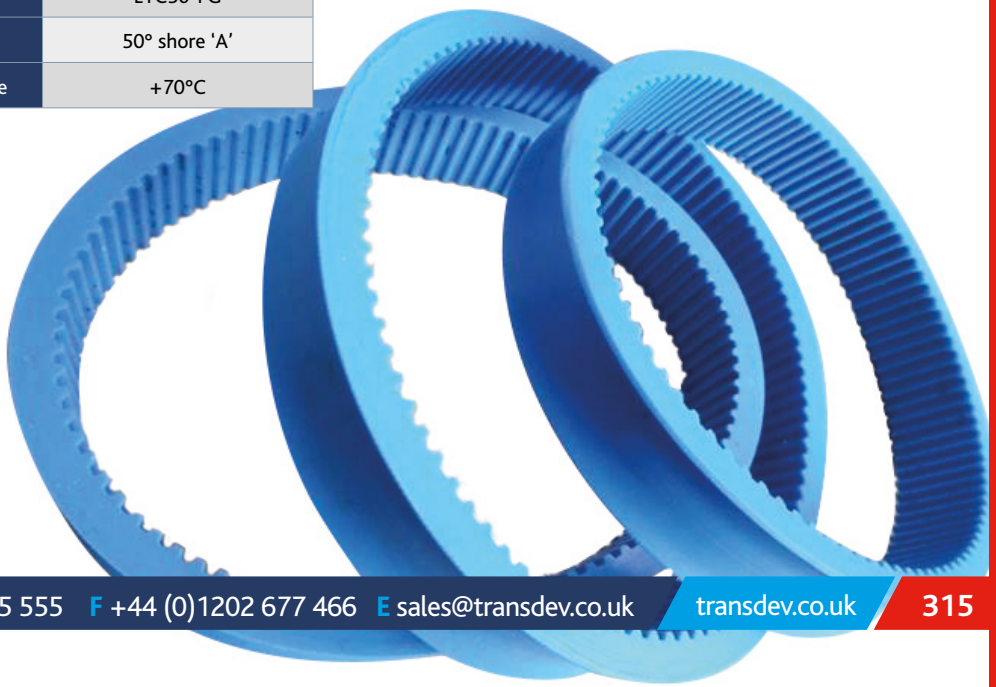
With a moulded backing, having no overlap joint, belts can run in either direction, with no risk of delamination.

'The major cause of premature failure is unskilled staff running belts in the wrong direction after cleaning. Moulded backings stop this problem'

Properties

- Moulded backing, no joint to delaminate
- No adhesive layer to be attacked and degraded by cleaning
- Can be run in either direction
- Standard or low friction tooth facing on belts
- Food quality rubber
- Low elongation - Aramid tension members
- Long life - high resistance to tears/cuts
- Contact materials approved to - FDA 21 CFR 177.2600 (USA)

Sausage belts properties	
Backing material	ETC50-FG
Backing hardness	50° shore 'A'
Max. Contact/ Washdown temperature	+70°C



'Tictac' Sausage Belts

TRANSGRIP



Single Moulded FDA Sausage Belt

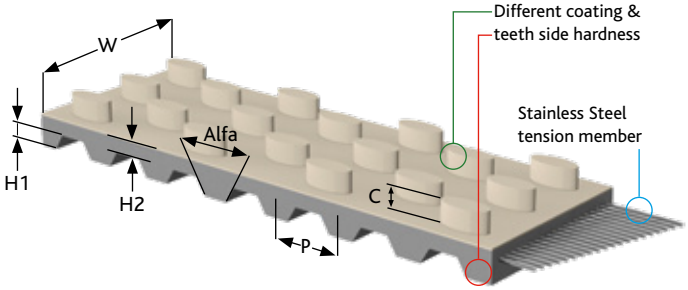
There is a growing need for food quality timing belts where the product is in direct contact with and transported by the belt itself. The solution, which is named after the look of the belt surface, is the Tictac belt.

The advantage of this belt type is its construction, which consists of one durable layer. This avoids any danger of the cover wearing or delaminating, thereby extending the lifetime of the product and reducing expensive downtime.

The belt is available in several T5 and T10 endless sizes. (See table below).

Properties

- Made of environmentally friendly FDA material
- Stainless steel cord reinforcement
- Hardness: is 80 Shore A
- Operating temperature of 80°C (up to 100°C on short runs)
- Performs well at low temperatures
- Very good resistance to hydrolysis
- Good resistance to abrasion
- Good resistance to oil, solvents and hydrocarbons
- Load equivalent to standard PU timing belts



Type	Tooth Profile	Length (mm)	Max width W (mm)	Cord	Griding on tooth side (mm)	Coating (max-min) (mm)	Coating (ShA)	Teeth (ShA)	Optional Vacuum Constr.	P (mm)	Alfa/R (*/mm)	H1 (mm)	H2 (mm)
T10-370	T10	370	32	SS	-0	-0	80	N/A	-0	10	40 *	2.5	2
T10-840	T10	840	32	SS	-0	-0	80	N/A	-0	10	40 *	2.5	2
T5-625	T5	625	32	SS	-0	-0	80	N/A	-0	5	40 *	1.2	1
T5-330	T5	330	32	SS	-0	-0	80	N/A	-0	5	40 *	1.2	1
T5-840	T5	330	32	SS	-0	-0	80	N/A	-0	5	40 *	1.2	1

TRANSGRIP

Tube Winder Belts



- VARIOUS BELT TYPES
- LONG LIFE
- LESS POWER CONSUMPTION
- LOW LOAD
- FOOD AND NON-MARKING VARIANTS



Introduction

TUBE WINDER BELTS

Truly endless belts are used in the Cardboard Tube & Core producing industry.



The belts are specially tailored to deliver the required strength, grip and stability in this challenging application.

Why TransDev for Tube Winder Belts?

- Various belt types
- Major machines supported
- Full technical support and site visits available
- Competitive pricing
- Stock holding possible against a contract

TRANSGRIP



Benefits

Long Life

Can be installed on a small mandrel and applied for a hard twist within a short distance. Prevents over-tensioning by maintaining even contact pressure against mandrel.

Low Load

Minimizes uneven elongation and uneven abrasion. Enables stable tube-winding due to even contact pressure against paper material.

Less power consumption

- Less power consumption
- Less mandrel abrasion
- Less load on equipment

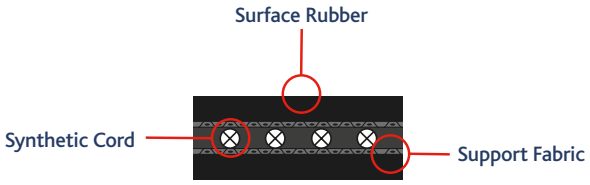


Tube Winder Belt Types

TRANSGRIP

TYPE PG

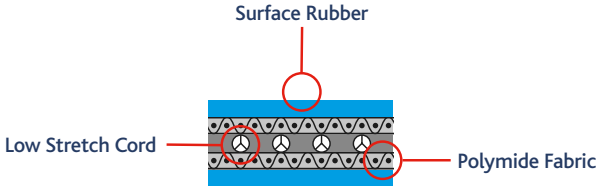
- Natural/Butadiene rubber compound
- Smooth ground surfaces
- Flexible & strong construction
- Symmetrical design allows both sides to be used
- White rubber available for food/non marking.



Type	Max. Length (mm)	Max. Width (mm)	Thickness (mm)	Breaking Strength (N/mm)	Min. Tube diameter (mm Ø)
PG-300-6	9000	600	6.0	300	40
PG-450-8	9000	600	8.0	450	60
PG-500-6	9000	600	6.0	500	60
PG-1000-8	9000	600	8.0	1000	80

TYPE ZS

- Nitrile Butadiene rubber compound
- Textured surfaces
- Excellent flexibility and strength characteristics
- Symmetrical design allows both sides to be used
- High grip ensures no slippage



Type	Max.Length (mm)	Max. Width (mm)	Thickness (mm)	Tension (2% elongation) (N/mm)	Min. Tube diameter (mm Ø)
ZS-TWL-42H	5000	280	4.2	13	25
ZS-TWL-46H	5000	280	4.6	18	75
ZS-TWL-56H	5000	280	5.6	18	75

Schlatterer
Esband

Esband Belting



WORLD LEADER IN
FLAT BELTS

INNOVATIVE TECHNOLOGY

GERMAN QUALITY

TRULY ENDLESS



Schlatterer Esband

ESBAND TRULY ENDLESS FLAT BELTS

Making your production process run smoothly:



Esband Truly endless flat belts

Esband belts, produced according to the truly endless method, make your production process run smoothly:

- Precise tracking
- Low-vibration
- Low noise levels
- Durable - even at high rotary speeds and bending frequencies

LIGHT DUTY

Drives up to approx 2.5 kW

Extremely wear-resistant belts, with superior, high flexibility and precisely co-ordinated coefficients of friction, antistatic. Typical applications:

- High-speed drives
- Office equipment
- Household appliances and do-it-yourself equipment
- Grinders
- Saws
- Testing equipment
- Spindle drives
- Spinning frames
- Bobbin machines
- Textile machinery

MEDIUM DUTY

Drives up to approx 15 kW

Extremely wear-resistant belts with superior running and traction properties, low noise operation, low elongation, antistatic. Typical applications:

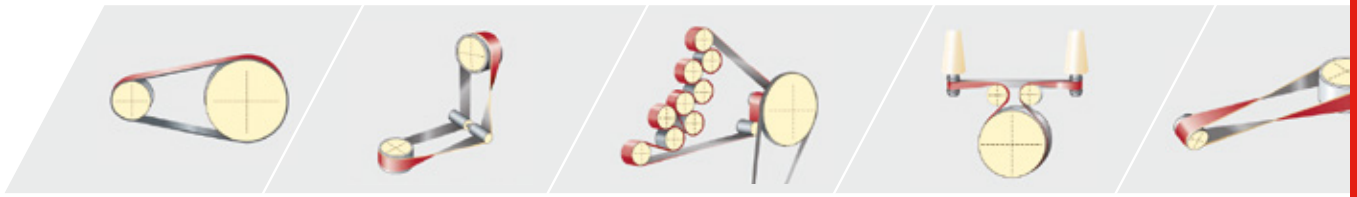
- High-speed drives
- Woodworking machinery
- Floor maintenance equipment
- Do-it-yourself equipment
- Grinders
- Machine tools
- Textile machinery
- Construction equipment
- Low humidity atmospheres

HEAVY DUTY

Drives up to approx 60 kW

Extremely wear-resistant belts with good traction properties, running neutrality and limited elongation. Typical applications:

- Especially for balancing machines
- Construction machinery
- Eccentric presses
- Woodworking machinery
- Ventilation fan drives
- Grinding gear
- Motor testing rigs
- Turbine drives
- Hydro-electric stations
- Mills
- Testing equipment



Esband Conveyor Belts

Schlatterer Esband



Esband conveyor belts produced according to the truly endless method enable frictionless processes. Each category of goods transported requires a specific type of band; each enviroment makes its specific demands. The following list includes the most important field applications.

Paper

For paper processing and paper handling Esband offers bands with various degrees of elasticity, high ozone-resistance, high breaking strength or low elongation, based on your requirements.

Typical applications:
Printing machines, Copier and scanners, Cash dispensing and ticket issuing machines, Paper and cardboard processing machines.

Bulk Material and Unit Goods

Esband perfectly transport individual goods and bulk materials in all weight categories with exactly matched coefficients of friction, ideal elongation characterisitcs, self-tracking guides, perforations for vaccum transport, etc.

Typical applications:
Fixed shaft centre distances, Knife edges, Slider beds, Vacuum transport.

Weighing Technology

Esband brings weighing technology to peak perfection as their belts are truly homogeneous over their entire length (including weight), with exactly adapted coating and elongation characerisitcs, special surface finishes and low-friction covers on the running side

Typical applications:
For lightweight bulk materials and unit goods, Dynamic weighing devices, Knife edges, Small bending radii.

Food Transport

Esband enables delicate processing and packaging of food. Their belts are FDA/BGA approved, easy to clean, temperature resistant, with varying degrees of elasticity and flexibility and various coefficients of friction.

Typical applications:
Knife edge, Transfer stations, Automatic packaging machines, Cheese-making, Bakery lines.

Special Conveyor Belts

Esband supplies conveyor belts with special surface treatments for conveying of individual goods and bulk materials under extreme conditions.

Typical applications:
Sharp ascent angles, Highest temperatures, Feeders, Conveyor, Synchronous and/or vacuum transport.



Schlatterer Esband

Esband NE Types

Esband type	Surface options	Tensile element	Coating/ hardness	Colours	Breaking strength per cm endless	Smallest pulley dia.	Permissible open temp. continuous	Thickness (mm)
NE Mini	Profiled on one side Smooth on one side	Polyester	Polychloroprene 65 ±5 ShA	Black	550N	6mm	-20 to +100°C	0.5
NE 10	Profiled on one side Smooth on one side	Polyamide/ Polyester	Polychloroprene 65 ±5 ShA	Black	750N	8mm	-20 to +100°C	0.8
NE 10/133	Profiled or smooth on one side Second side textile impregnated	Polyamide/ Polyester	Polychloroprene 65 ±5 ShA	Black	700N	8mm	-20 to +100°C	0.7
NE 17	Profiled on one side Smooth on one side	Aramid	Polychloroprene 65 ±5 ShA	Black	2400N	12mm	-20 to +100°C	0.9
NE 17/133	Profiled or smooth on one side Second side textile impregnated	Aramid	Polychloroprene 65 ±5 ShA	Black	2400N	12mm	-20 to +100°C	0.8
NE 18	Profiled on one side Smooth on one side	Aramid	Polychloroprene 65 ±5 ShA	Black	7950N	30mm	-20 to +100°C	2.0
NE 18 GA V 10535	Textured on both sides	Aramid	Polychloroprene 65 ±5 ShA	Black	11340N	50mm	-20 to +100°C	3.0
NE 20	Profiled on one side Smooth on one side	Polyester/ Cotton	Polychloroprene 65 ±5 ShA	Black	950N	10mm	-20 to +100°C	0.8
NE 21	Profiled on one side Smooth on one side	Polyester	Polychloroprene 65 ±5 ShA	Black	1700N	15mm	-20 to +100°C	0.9
NE 22	Profiled on one side Smooth on one side	Polyester	Polychloroprene 65 ±5 ShA	Black	3400N	20mm	-20 to +100°C	1.4
NE 26	Profiled on one side Smooth on one side	Polyester	Polychloroprene 65 ±5 ShA	Black	4150N	25mm	-20 to +100°C	2.0
NE Elastic	Textured/Smooth	Without carcass	Polychloroprene 65 ±5 ShA	Black	On request	5mm	-20 to +100°C	0.8 - 5.0

For other Esband belt types please enquire: sales@transdev.co.uk

Esband PU Types

Schlatterer Esband

Esband type	Surface options	Tensile element	Coating/ hardness*	Colours	Breaking strength per cm endless
PU elastic	Coated on one side Coated on both sides Ground Non-porous ply Low-friction coating	Elastic web/ Polyester	Polyurethane 55 ±7 ShA	Yellow, grey, white, red	250N
PU elastic + SI conveying side	Ground Non-porous ply on PU Sealed surface SI Low-friction coating PU	Elastic web/ Polyester	Polyurethane 55 ±7 ShA Silicone 30 +5 ShA	PU = yellow, grey, white, red SI = white, grey	300N
PU elastic 13	Coated on one side Coated on both sides Ground Non-porous ply Low-friction coating	Elastic web/ Polyester	Polyurethane 55 ±7 ShA	Yellow, grey, white, red	200N
PU 4/6	Coated on one side Coated on both sides Ground Non-porous ply Low-friction coating	Polyester	Polyurethane 55 ±7 ShA	Yellow, grey, white, red	650N
PU 10	Coated on one side Coated on both sides Ground Non-porous ply Low-friction coating	Polyester/ Polyamide	Polyurethane 55 ±7 ShA	Yellow, grey, white, red	700N
PU 11	Coated on one side Coated on both sides Ground Non-porous ply Spec. grinding, low-friction coating	Polyester	Polyurethane 55 ±7 ShA	Yellow, grey, white, red	1250N
PU 12	Coated on one side Coated on both sides Ground Non-porous ply Spec. grinding, low-friction coating	Polyester	Polyurethane 55 ±7 ShA	Yellow, grey, white, red	3400N
PU 17	Coated on one side Coated on both sides Ground Non-porous ply Spec. grinding, low-friction coating	Aramid	Polyurethane 55 ±7 ShA	Yellow, grey, white, red	2400N
PU 18	Coated on one side Coated on both sides Coated Non-porous ply Spec. grinding, low-friction coating	Aramid	Polyurethane 55 ±7 ShA	Yellow, grey, white, red	6400N
PU 20	Coated on one side Coated on both sides Ground Non-porous ply Spec. grinding, low-friction coating	Polyester/Cotton	Polyurethane 55 ±7 ShA	Yellow, grey, white, red	850N

For other Esband belt types please enquire: sales@transdev.co.uk

Schlatterer Esband

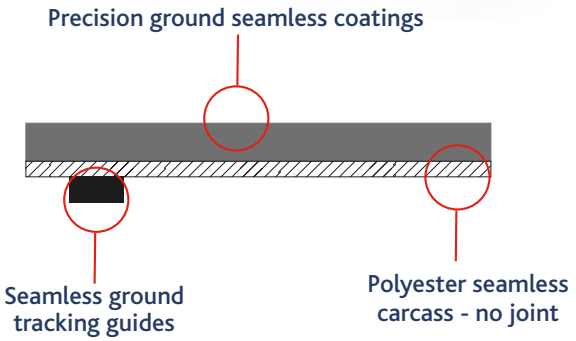
Esband PU Types

Esband type	Smallest pulley dia.	Permissible open temp. continuous	Length	Width	Max. thickness
PU elastic	25mm	-10 to +60°C	200 - 600 600 - 3500	Up to 300 Up to 600	1.8 (9.0)
PU elastic + SI conveying side	30mm	-10 to +60°C	200 - 600 600 - 3500	Up to 300 Up to 600	2.4 (10.0)
PU elastic 13	25mm	-10 to +60°C	200 - 600 600 - 3500	Up to 300 Up to 600	1.5 (10.0)
PU 4/6	9mm	-10 to +60°C	200 - 600 600 - 3500	Up to 300 Up to 600	0.8 (10.0)
PU 10	8mm	-10 to +60°C	200 - 600 600 - 3500	Up to 300 Up to 600	0.9 (10.0)
PU 11	12mm	-10 to +60°C	200 - 600 600 - 3500	Up to 300 Up to 600	1.0 (10.0)
PU 12	20mm	-10 to +60°C	200 - 600 600 - 3500	Up to 300 Up to 600	1.5 (10.0)
PU 17	15mm	-10 to +60°C	200 - 600 600 - 3500	Up to 300 Up to 600	1.0 (10.0)
PU 18	30mm	-10 to +60°C	200 - 600 600 - 3500	Up to 300 Up to 600	2.2 (10.0)
PU 20	5mm	-10 to +60°C	200 - 600 600 - 3500	Up to 300 Up to 600	0.8 (10.0)

Esband Weighing Technology



Esband belts are truly homogeneous over their entire length (including weight). With exact ground overall thickness and even elongation characteristics due to lack of joint. Selected surface finishes to give required low/ high friction properties.



Typical Applications

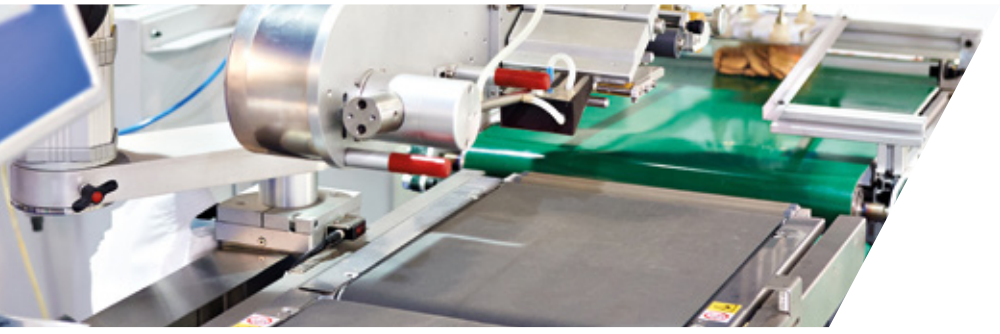
- Weighing devices for light-weight bulk materials and unit loads
- Dynamic weighing machines

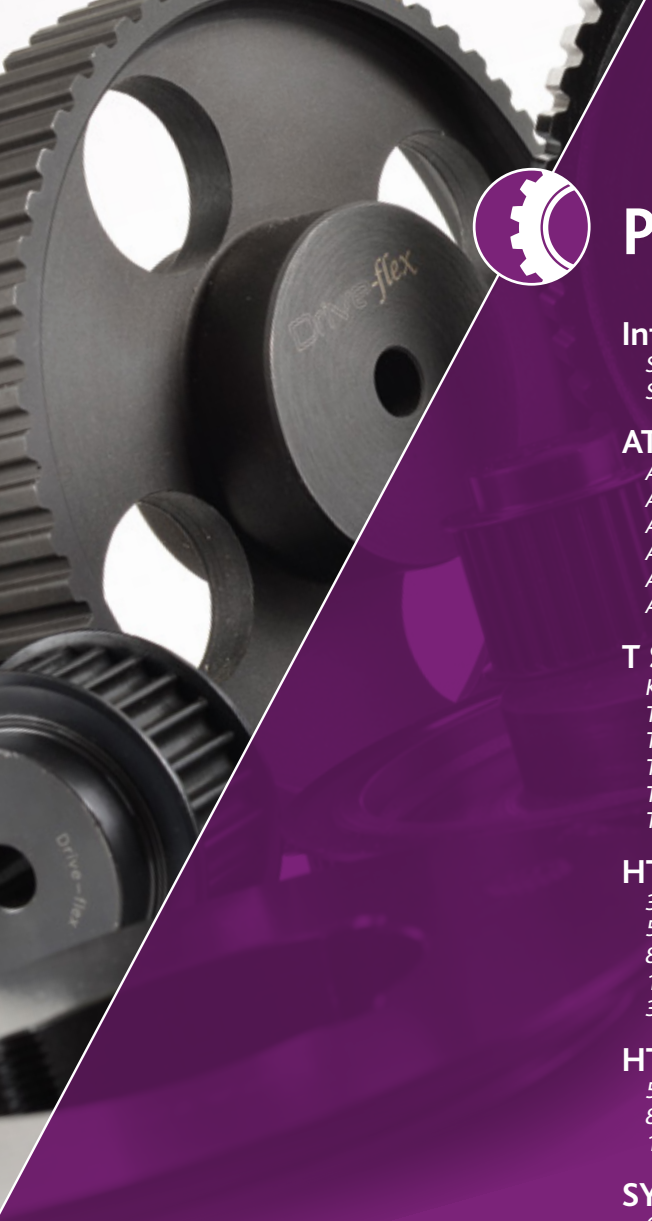
Features

- Bizerba, Mettler Toledo & Espera brands supported
- Blade edges
- Long-lasting
- Small bending radii
- Truly endless tracking guides
- Polyester reinforced or without carcass (stretchy)

Range of surface finishes

- Mainly Silicone & PU coatings (FX) - both Food Grade
- Silicone - high friction conveying
- FX for buffer or rejection areas - low friction





PULLEYS

Introduction 328
Standard Pulleys 329
Special Manufacturing 330

AT Series Pilot Bore & Bar Stock 332
AT3 334
AT5 335
AT10 338
AT20 342
ATP10, ATP15, ATS15 343
AT5, AT10 Bar Stock 345

T Series Pilot Bore & Bar Stock 346
K1.5, T2 348
T2.5 349
T5 350
T10 353
T20 357
T2.5, T5, T10 Bar Stock 358

HTD Series Pilot Bore & Bar Stock 360
3M 363
5M 365
8M 368
14M 372
3M, 5M HTD Bar Stock 377

HTD Series Taper Bore 378
5M 381
8M 382
14M 386

SYNCHROCHAIN CTD & POLYCHAIN® Series 391
C8M 394
C14M 398

Imperial Series Pilot Bore & Bar Stock 404
MXL 407
XL 412
L 413
H 416
XH, XXH 421
MXL, XL, L Bar Stock 423

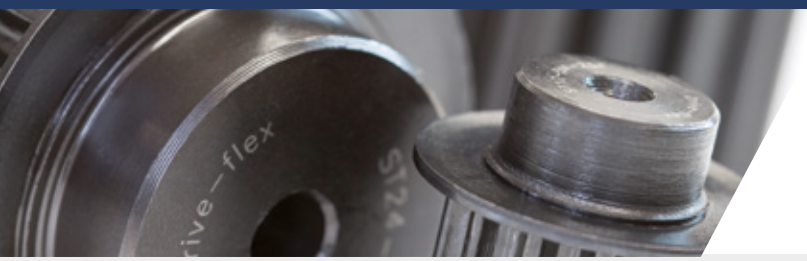
Imperial Series Taper Bore 426
L 429
H 432

Clamp & Tension Plates 437

V Pulleys 443
SPZ 445
SPA 456
SPB 469
SPC 483

Poly V Pulleys 490
PJ 492
PL 494

Tension Rollers 496



Standard Pulleys

STANDARD PULLEYS SUPERIOR QUALITY

TransDev supplies a complete range of pulleys, covering both our own timing belt ranges and many others too.



Our stock of high quality pulleys, manufactured according to relevant ISO or RMA standards, help ensure that belt performance is not compromised.

A pulley can also significantly increase belt life and reduce the total cost of ownership of your machinery. We also offer timing belt software to help you achieve the optimum drive solution for your needs.

The standard stock is further supplemented by our Special Pulley Manufacturing. If we don't stock it, or it is a special design, we can manufacture and rework to your specific requirements.



Tension Roller range available
SEE P496

DRIVEFLEX

Our Standard Pulley Range

- Timing belt pulleys
- V belt pulleys
- Taper bore and pilot bore
- Metric and Imperial
- Various materials available from stock
- Drive design software available

Timing belt pulleys

These positive drive pulleys are used in combination with a timing belt or a synchronised belt and can cover high speed and torque HTD drives. We stock Steel, Cast Iron, Aluminium and Plastic pulleys, which are usually supplied with retaining flanges. Timing belt pulleys are available with either a pilot or taper bore, as well as metric and imperial variants.

V belt pulleys

A common type of pulley for power transmission applications. TransDev supplies pulleys from stock for standard V belt profiles. These are stocked in Cast Iron and Steel and are available in pilot and taper bore variants.

High Torque Drive (HTD) timing pulleys

TransDev hold a large stock of High Torque Drive (HTD) timing pulleys in pilot bore type and taper lock bush type. The material used for smaller pulleys is Aluminium, medium sizes are in Steel, larger sizes in Cast Iron, all featuring flanges made from Steel; see individual catalogue pages for specific materials and dimensions. HTD, CXP and CXA belts are all designed to run on these pulleys.

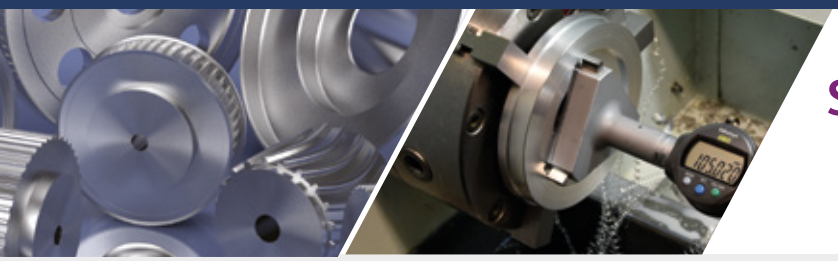


TransDev's Driveflex range of timing pulleys suit Poly Chain® and SYNCHROCHAIN® belts.

- Huge range of industry standard high power pulleys
- High quality and extremely cost effective
- Available in pilot bore and taper lock bush type
- Correct profiles for Poly Chain® and SYNCHROCHAIN® belts
- Materials are in Steel or Cast Iron with Steel flanges (dependent on size)
- TransDev can rework standard and stock pulleys to your requirements on pulleys under 400mm diameter



Visit transdev.co.uk to download a brochure



Special Pulleys

CUSTOM PULLEYS WHERE QUALITY COMES AS STANDARD

As well as manufacturing a complete range of standard pulleys, TransDev is also the UK's largest manufacturer of special pulleys.



Special Pulleys

If a standard pulley is not suitable you can rely on TransDev for pulleys that fulfil specialist applications and the most demanding of briefs. We can manufacture pulleys from 4mm to 1 metre in diameter and from various materials, including Aluminium, conventional Steel alloys, Stainless Steel or Plastics.

Pulley Expertise and Investment

Our dedicated sales team have exceptional product knowledge backed up by ongoing training. Our world class MRP system with barcode tracking means we have instant access to the live status of your order.

We have invested over £350,000 of tooling covering all SYNCHROFLEX®, BRECO®, SYNCHROCHAIN®, HTD®, IMPERIAL, POLY CHAIN®, SILENTSYNC®, clamp plates, gears and sprocket pitches. This investment is testimony to our commitment to be the 'one stop shop' for all pulley, manufacturing requirements.

Rework of Pulleys

Reboring
- Up to 180mm H7 as standard
- Over 180mm - *please enquire*

Keywaying
- Up to 25mm JS9 rectangular parallel keyways as standard
- Over 25mm and special - *please enquire*

Tapped holes
- Up to M16 as standard
- Over M16 - *please enquire*

Taper lock bush boring
- Up to 5050 as standard
- Over 5050 - *please enquire*



Alongside our special manufacturing capabilities we have an wide range of pilot bore stock sizes available on short deliveries in 8mm pitch up to 225 teeth (569mm diam.) and 14mm pitch up to 168mm teeth (745mm diam.) in Steel or Cast Iron depending on the size.

TransDev MANUFACTURING

Our Special Pulleys Service

- Custom pulleys
- Rework of pulleys
- All materials available
- Heat treatments
- Protective finishes
- Part marking
- Balancing

Pulley materials and finishing

- Aluminium
- Steel
- Stainless Steel
- Brass
- Cast Iron
- Plastics

Custom pulleys

Drawings will be necessary for timing pulleys with additional features. These can be manufactured to your requirements in all materials and to the highest tolerances. We can provide most quotations to drawing within 1 hour. Live work queues enable us to make real time changes to assist your delivery requirements on existing orders in production. Our unparalled precision cutter range ensure optimum meshing, even in small pulley sizes.

SilentSync® timing pulleys

TransDev are one of the first companies in Europe to be awarded a licence to manufacture SilentSync® (formally Goodyear Eagle) made-to-order Pulleys. Our achievement was in recognition of the depth of technical and production know-how, in what is one of the largest special pulley, gear and sprocket manufacturers in the European Union. We manufacture all SilentSync® pitches and belt width pulleys up to one metre diameter. For all sizes over this figure please discuss your specific requirements with our manufacturing department.

Quality and Commitment

We utilise manual and CNC machining; operating two manned and one unmanned shift per day and have Standard and Prototype Express cells. High precision, flexible manufacturing, including live work queues, enable fast throughput and response to specification requirements. Downstream measurement, from simple inspection of finished parts to modern conturoscope scanning (at a resolution of 1/1000th of a millimetre), to 3D measuring equipment make sure that the exactly defined quality standards are met. TransDev are also certified according to DIN EN ISO 9001:2008.



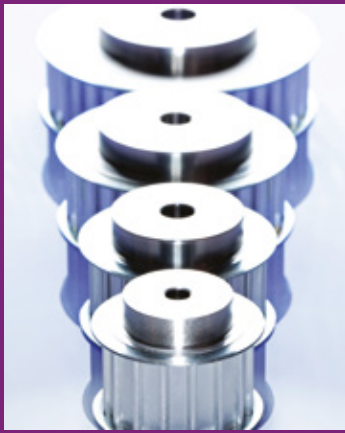
Special Tooth Profiles

T/TK Series	AT/ATK Series	ATP Series	ATN Series	BAT Series	SFAT Series	Imperial	SYNCHROCHAIN (CTD)	Poly Chain®	HTD	Powergrip GT	RPP	Supertorque (STD)	SILENTSYNC®
T2*						MXL(0.080")				2MR		S2M	
T2.5*						40 DP							
	AT3*								HTD3	3MR	RPP3	S3M	
												S4M	
												S4.5M	
T5*	AT5*					XL(1/5")			HTD5	5MR	RPP5	S5M	
	AT8*					L(3/8")	8	8	HTD8	8MR	RPP8	S8M	8
T10*	AT10*	ATP10*	ATN10*	BAT10*	SFAT10*	H(1/2")							
	ATS15*	ATP15*	ATN12.7*	BAT15*	SFAT15*	XH(7/8")	14	14	HTD14	14MR	RPP14	S14M	14
T20*	AT20*		ATN20*		SFAT20*	XXH(1 1/4")			HTD20				

* Available in standard, SE (reduced backlash) and zero-backlash

DRIVEFLEX

AT Series
– Pilot Bore & Bar Stock

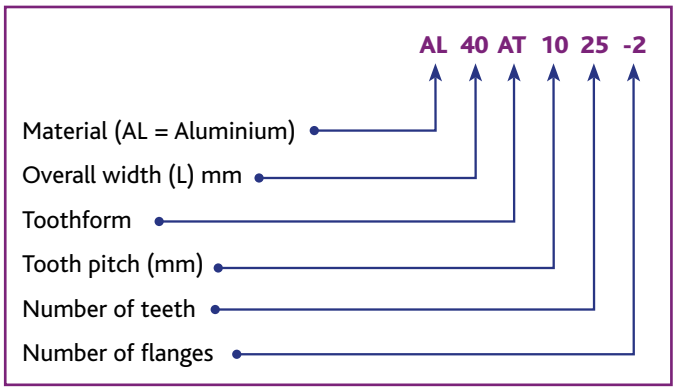


- IMPROVED BELT LIFE
- GENUINE TOOTHFORM
- REDUCED NOISE
- HIGH ACCURACY
- LARGE STOCKS

AT Series Timing Pulley Ordering Examples

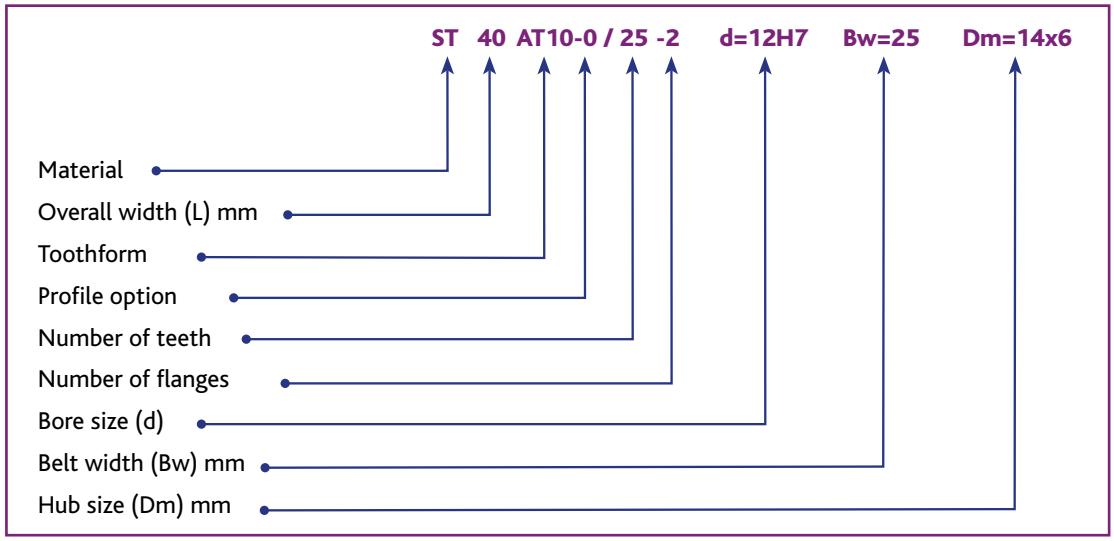
DRIVEFLEX

Standard AT Pulley Order Example



Key to standard pulley diagrams	
Df	Flange diameter
d	Bore diameter
Dp	Pitch diameter
L	Overall width (or length through bore)
De	External diameter of teeth
F	Width over flanges
Dm	Hub diameter

Special Manufacturing Order Example



Additional Options for Manufactured Pulleys

Material	
AL	Aluminium
ST	Steel
SS	Stainless Steel
AC	Acetal
NY	Nylon
CI	Cast Iron
BR	Brass

Toothform	
AT3	ATN10
AT5	ATN12.7
AT10	ATK5(K6)
AT15	ATK5(K13)
AT20	ATK10(K6)
ATP10	ATK10(K13)
ATP15	ATK20(K13)

For any feature required, but not listed above please contact sales@transdev.co.uk

Tooth options	
-SE	Tooth profile used on all pulleys with <=20 teeth as standard
-0	Zero backlash tooth profile

Number of flanges	
-2	Two flanges (Up to and including 40 teeth on standard pulleys)
-1	One flange, state side relating to hub (important)
-0	No flanges (Above 40 teeth on standard pulleys)
-2C	Conveyor flanges, reduced diameter
-2BO	Two bolts on flanges

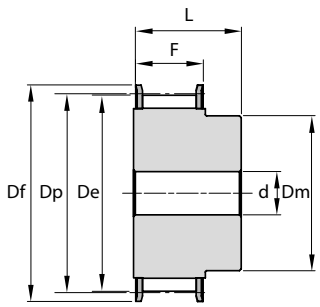
Pulley Rework

We can rework standard and stock pulleys to suit your individual requirements on pulleys under 400mm diameter.

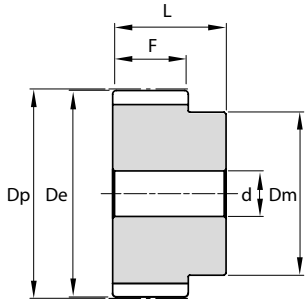
AT3 Pilot Bore Pulleys - to Suit 10mm Wide Belt

DRIVEFLEX

Pilot Bore



TYPE 1F



TYPE 2

- Material – Aluminium
- Flanges – Zinc Plated Steel

Code	Type	No. teeth	De	Dp	Df	Dm	F	L	Bore (d)	Max. bore	No. flanges
AL21AT3/15-2	1F	15	13.91	14.32	19	10	15	21	4	4	2
AL21AT3/16-2	1F	16	14.87	15.38	20	10	15	21	4	5	2
AL21AT3/18-2	1F	18	16.78	17.19	23	12	15	21	4	7	2
AL21AT3/20-2	1F	20	18.69	19.10	24	14	15	21	4	9	2
AL21AT3/22-2	1F	22	20.60	21.01	27	14	15	21	6	11	2
AL21AT3/24-2	1F	24	22.51	22.92	28	14	15	21	6	13	2
AL21AT3/25-2	1F	25	23.46	23.87	30	14	15	21	6	14	2
AL21AT3/27-2	1F	27	25.37	25.78	30	16	15	21	6	15	2
AL21AT3/30-2	1F	30	28.24	28.65	33	20	15	21	6	18	2
AL21AT3/32-2	1F	32	30.15	30.56	36	20	15	21	6	20	2
AL21AT3/36-2	1F	36	33.97	34.38	40	22	15	21	6	24	2
AL21AT3/40-2	1F	40	37.79	38.20	43	26	15	21	6	28	2
AL21AT3/44-0	2	44	41.61	42.02	-	30	15	21	6	32	0
AL21AT3/45-0	2	45	42.56	42.97	-	30	15	21	6	33	0
AL21AT3/48-0	2	48	45.43	45.84	-	34	15	21	6	36	0
AL21AT3/60-0	2	60	56.89	57.30	-	38	15	21	6	47	0
AL21AT3/72-0	2	72	68.34	68.75	-	50	15	21	6	58	0

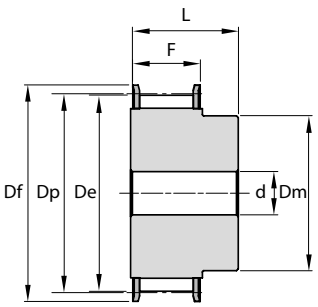
Pilot Bore

Please note: All dimensions subject to change. Pulleys may be Bored or Unbored.
If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked pulleys please contact our Manufacturing Department for a quotation.

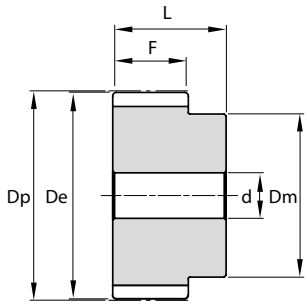
AT5 Pilot Bore Pulleys - to Suit 10mm Wide Belt

DRIVEFLEX

Pilot Bore



TYPE 1F



TYPE 2

- Material – Aluminium
- Flanges – Zinc Plated Steel

Code	Type	No. teeth	De	Dp	Df	Dm	F	L	Bore (d)	Max. bore	No. flanges
AL21AT5/12-2	1F	12	17.85	19.10	23	11	15	21	-	6	2
AL21AT5/14-2	1F	14	21.05	22.29	25	13	15	21	-	8	2
AL21AT5/15-2	1F	15	22.65	23.88	28	16	15	21	6	10	2
AL21AT5/16-2	1F	16	24.20	25.47	32	18	15	21	6	12	2
AL21AT5/18-2	1F	18	27.40	28.65	32	20	15	21	6	16	2
AL21AT5/19-2	1F	19	29.00	30.24	36	22	15	21	6	16	2
AL21AT5/20-2	1F	20	30.60	31.83	36	23	15	21	6	18	2
AL21AT5/22-2	1F	22	33.85	35.01	38	24	15	21	6	22	2
AL21AT5/24-2	1F	24	37.00	38.20	42	26	15	21	6	24	2
AL21AT5/25-2	1F	25	38.60	39.79	44	26	15	21	6	25	2
AL21AT5/26-2	1F	26	40.20	41.38	44	26	15	21	6	25	2
AL21AT5/27-2	1F	27	41.80	42.97	48	30	15	21	8	27	2
AL21AT5/28-2	1F	28	43.35	44.58	48	32	15	21	8	29	2
AL21AT5/30-2	1F	30	46.55	47.75	51	34	15	21	8	33	2
AL21AT5/32-2	1F	32	49.70	50.93	54	38	15	21	8	37	2
AL21AT5/36-2	1F	36	56.05	57.30	64	38	15	21	8	42	2
AL21AT5/40-2	1F	40	62.45	63.66	67	40	15	21	8	47	2
AL21AT5/42-2	1F	42	65.60	66.85	70	40	15	21	8	50	2
AL21AT5/44-0	2	44	68.80	70.05	-	45	15	21	8	52	0
AL21AT5/48-0	2	48	75.15	76.42	-	50	15	21	8	60	0
AL21AT5/60-0	2	60	94.25	95.52	-	65	15	21	8	76	0
AL21AT5/72-0	2	72	113.15	114.59	-	80	15	21	8	94	0

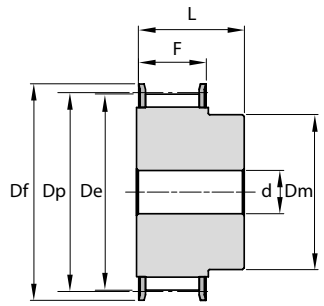
Pilot Bore

Please note: All dimensions subject to change. Pulleys may be Bored or Unbored.
If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked pulleys please contact our Manufacturing Department for a quotation.

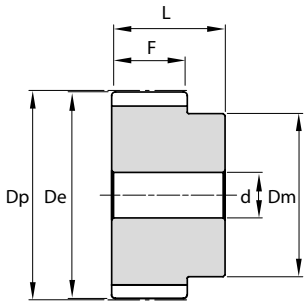
AT5 Pilot Bore Pulleys - to Suit 16mm Wide Belt

DRIVEFLEX

Pilot Bore



TYPE 1F



TYPE 2

- Material – Aluminium
- Flanges – Zinc Plated Steel

Code	Type	No. teeth	De	Dp	Df	Dm	F	L	Bore (d)	Max. bore	No. flanges
AL27AT5/12-2	1F	12	17.85	19.10	23	11	21	27	-	6	2
AL27AT5/14-2	1F	14	21.05	22.28	25	13	21	27	-	8	2
AL27AT5/15-2	1F	15	22.65	23.87	28	16	21	27	6	10	2
AL27AT5/16-2	1F	16	24.20	25.46	32	18	21	27	6	12	2
AL27AT5/18-2	1F	18	27.40	28.65	32	20	21	27	6	16	2
AL27AT5/19-2	1F	19	29.00	30.24	36	22	21	27	6	16	2
AL27AT5/20-2	1F	20	30.60	31.83	36	23	21	27	6	18	2
AL27AT5/22-2	1F	22	33.85	35.01	38	24	21	27	6	22	2
AL27AT5/24-2	1F	24	37.00	38.20	42	26	21	27	6	24	2
AL27AT5/25-2	1F	25	38.60	39.79	44	26	21	27	6	25	2
AL27AT5/26-2	1F	26	40.20	41.38	44	26	21	27	6	25	2
AL27AT5/27-2	1F	27	41.80	42.97	48	30	21	27	8	27	2
AL27AT5/28-2	1F	28	43.35	44.56	48	32	21	27	8	29	2
AL27AT5/30-2	1F	30	46.55	47.75	51	34	21	27	8	33	2
AL27AT5/32-2	1F	32	49.70	50.93	54	38	21	27	8	37	2
AL27AT5/36-2	1F	36	56.05	57.30	64	38	21	27	8	42	2
AL27AT5/40-2	1F	40	62.45	63.66	67	40	21	27	8	47	2
AL27AT5/42-2	1F	42	65.60	66.85	70	40	21	27	8	50	2
AL27AT5/44-0	2	44	68.80	70.03	-	45	21	27	8	52	0
AL27AT5/48-0	2	48	75.15	76.39	-	50	21	27	8	60	0
AL27AT5/60-0	2	60	94.25	95.49	-	65	21	27	8	76	0
AL27AT5/72-0	2	72	113.15	114.59	-	80	21	27	8	94	0

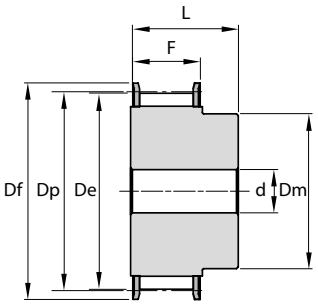
Pilot Bore

Please note: All dimensions subject to change. Pulleys may be Bored or Unbored.
If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked pulleys please contact our Manufacturing Department for a quotation.

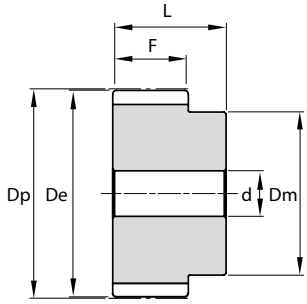
AT5 Pilot Bore Pulleys - to Suit 25mm Wide Belt

DRIVEFLEX

Pilot Bore



TYPE 1F



TYPE 2

- Material – Aluminium
- Flanges – Zinc Plated Steel

Code	Type	No. teeth	De	Dp	Df	Dm	F	L	Bore (d)	Max. bore	No. flanges
AL36AT5/12-2	1F	12	17.85	19.10	23	11	30	36	-	6	2
AL36AT5/14-2	1F	14	21.05	22.28	25	13	30	36	-	8	2
AL36AT5/15-2	1F	15	22.65	23.87	28	16	30	36	6	10	2
AL36AT5/16-2	1F	16	24.20	25.46	32	18	30	36	6	12	2
AL36AT5/18-2	1F	18	27.40	28.65	32	20	30	36	6	16	2
AL36AT5/19-2	1F	19	29.00	30.24	36	22	30	36	6	16	2
AL36AT5/20-2	1F	20	30.60	31.83	36	23	30	36	6	18	2
AL36AT5/22-2	1F	22	33.85	35.01	38	24	30	36	6	22	2
AL36AT5/24-2	1F	24	37.00	38.20	42	26	30	36	6	24	2
AL36AT5/25-2	1F	25	38.60	39.79	44	26	30	36	6	25	2
AL36AT5/26-2	1F	26	40.20	41.38	44	26	30	36	6	25	2
AL36AT5/27-2	1F	27	41.80	42.97	48	30	30	36	8	27	2
AL36AT5/28-2	1F	28	43.35	44.56	48	32	30	36	8	29	2
AL36AT5/30-2	1F	30	46.55	47.75	51	34	30	36	8	33	2
AL36AT5/32-2	1F	32	49.70	50.93	54	38	30	36	8	37	2
AL36AT5/36-2	1F	36	56.05	57.30	64	38	30	36	8	42	2
AL36AT5/40-2	1F	40	62.45	63.66	67	40	30	36	8	47	2
AL36AT5/42-2	1F	42	65.60	66.85	70	40	30	36	8	50	2
AL36AT5/44-0	2	44	68.80	70.03	-	45	30	36	8	52	0
AL36AT5/48-0	2	48	75.15	76.39	-	50	30	36	8	60	0
AL36AT5/60-0	2	60	94.25	95.49	-	65	30	36	8	76	0
AL36AT5/72-0	2	72	113.15	114.59	-	80	30	36	8	94	0

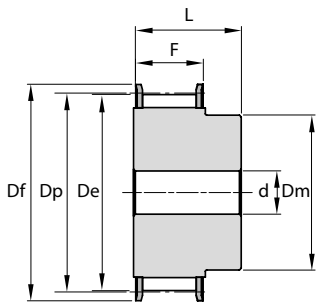
Pilot Bore

Please note: All dimensions subject to change. Pulleys may be Bored or Unbored.
If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked pulleys please contact our Manufacturing Department for a quotation.

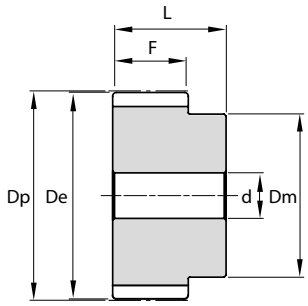
AT10 Pilot Bore Pulleys - to Suit 16mm Wide Belt

DRIVEFLEX

Pilot Bore



TYPE 1F



TYPE 2

- Material – Aluminium
- Flanges – Zinc Plated Steel

Code	Type	No. teeth	De	Dp	Df	Dm	F	L	Bore (d)	Max. bore	No. flanges
AL31AT10/15-2	1F	15	45.90	47.75	51	32	21	31	8	34	2
AL31AT10/16-2	1F	16	49.05	50.93	54	35	21	31	8	36	2
AL31AT10/18-2	1F	18	55.45	57.30	60	40	21	31	8	44	2
AL31AT10/19-2	1F	19	58.60	60.48	66.5	44	21	31	8	46	2
AL31AT10/20-2	1F	20	61.80	63.66	66.5	46	21	31	8	50	2
AL31AT10/22-2	1F	22	68.15	70.03	75	52	21	31	8	56	2
AL31AT10/24-2	1F	24	74.55	76.39	83	58	21	31	8	62	2
AL31AT10/25-2	1F	25	77.70	79.58	83	60	21	31	8	66	2
AL31AT10/26-2	1F	26	80.90	82.76	87	60	21	31	8	68	2
AL31AT10/27-2	1F	27	84.10	85.94	91	60	21	31	8	72	2
AL31AT10/28-2	1F	28	87.25	89.13	93	60	21	31	8	76	2
AL31AT10/30-2	1F	30	93.65	95.49	97	60	21	31	8	82	2
AL31AT10/32-2	1F	32	100.00	101.86	106	65	21	31	10	88	2
AL31AT10/36-2	1F	36	112.75	114.59	119	70	21	31	10	98	2
AL31AT10/40-2	1F	40	125.45	127.32	131	80	21	31	10	110	2
AL31AT10/44-0	2	44	138.20	140.06	-	88	21	31	10	118	0
AL31AT10/48-0	2	48	150.95	152.79	-	95	21	31	16	124	0
AL31AT10/60-0	2	60	189.10	190.99	-	110	21	31	16	162	0

Pilot Bore

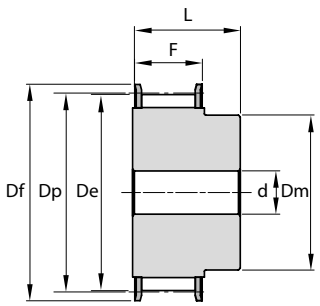
Please note: All dimensions subject to change. Pulleys may be Bored or Unbored.
If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked pulleys please contact our Manufacturing Department for a quotation.

AT10 Pilot Bore Pulleys - to Suit 25mm Wide Belt

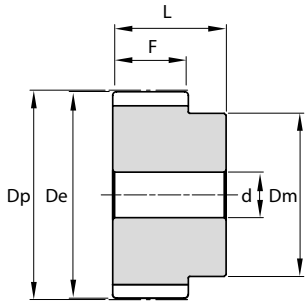
DRIVEFLEX

24 333 41 131 149 160

Pilot Bore



TYPE 1F



TYPE 2

- Material – Aluminium
- Flanges – Zinc Plated Steel

Code	Type	No. teeth	De	Dp	Df	Dm	F	L	Bore (d)	Max. bore	No. flanges
AL40AT10/15-2	1F	15	45.90	47.75	51	32	30	40	8	34	2
AL40AT10/16-2	1F	16	49.05	50.93	54	35	30	40	8	36	2
AL40AT10/18-2	1F	18	55.45	57.30	60	40	30	40	8	44	2
AL40AT10/19-2	1F	19	58.60	60.48	66	44	30	40	8	46	2
AL40AT10/20-2	1F	20	61.80	63.66	66	46	30	40	8	50	2
AL40AT10/22-2	1F	22	68.15	70.03	75	52	30	40	8	56	2
AL40AT10/24-2	1F	24	74.55	76.39	83	58	30	40	8	62	2
AL40AT10/25-2	1F	25	77.70	79.58	83	60	30	40	8	66	2
AL40AT10/26-2	1F	26	80.90	82.76	87	60	30	40	8	68	2
AL40AT10/27-2	1F	27	84.10	85.94	91	60	30	40	8	72	2
AL40AT10/28-2	1F	28	87.25	89.13	93	60	30	40	8	76	2
AL40AT10/30-2	1F	30	93.65	95.49	102	60	30	40	8	82	2
AL40AT10/32-2	1F	32	100.00	101.86	106	65	30	40	10	88	2
AL40AT10/36-2	1F	36	112.75	114.59	119	70	30	40	10	98	2
AL40AT10/40-2	1F	40	125.45	127.32	131	80	30	40	10	110	2
AL40AT10/44-0	2	44	138.20	140.06	-	88	30	40	10	118	0
AL40AT10/48-0	2	48	150.95	152.79	-	95	30	40	16	124	0
AL40AT10/60-0	2	60	189.10	190.99	-	110	30	40	16	162	0

Pilot Bore

Please note: All dimensions subject to change. Pulleys may be Bored or Unbored.
If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked pulleys please contact our Manufacturing Department for a quotation.

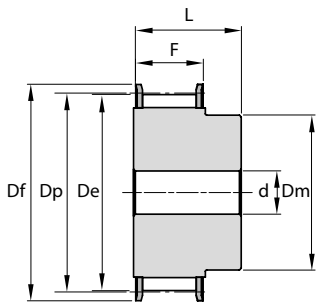


See **Design Software – Page 30**

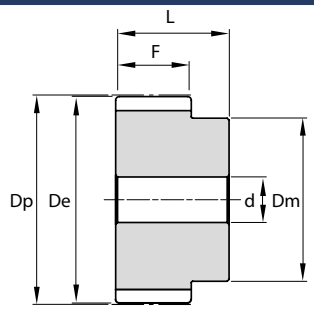
AT10 Pilot Bore Pulleys - to Suit 32mm Wide Belt

DRIVEFLEX

Pilot Bore



TYPE 1F



TYPE 2

- Material – Aluminium
- Flanges – Zinc Plated Steel

Code	Type	No. teeth	De	Dp	Df	Dm	F	L	Bore (d)	Max. bore	No. flanges
AL47AT10/18-2	1F	18	55.45	57.30	60	40	37	47	10	44	2
AL47AT10/19-2	1F	19	58.60	60.48	66	44	37	47	10	46	2
AL47AT10/20-2	1F	20	61.80	63.66	66	46	37	47	12	50	2
AL47AT10/22-2	1F	22	68.15	70.03	75	52	37	47	12	56	2
AL47AT10/24-2	1F	24	74.55	76.39	83	58	37	47	12	62	2
AL47AT10/25-2	1F	25	77.70	79.58	83	60	37	47	12	66	2
AL47AT10/26-2	1F	26	80.90	82.76	87	60	37	47	12	68	2
AL47AT10/27-2	1F	27	84.10	85.94	91	60	37	47	12	72	2
AL47AT10/28-2	1F	28	87.25	89.13	93	60	37	47	12	76	2
AL47AT10/30-2	1F	30	93.65	95.49	97	60	37	47	12	82	2
AL47AT10/32-2	1F	32	100.00	101.86	106	65	37	47	12	88	2
AL47AT10/36-2	1F	36	112.75	114.59	119	70	37	47	16	98	2
AL47AT10/40-2	1F	40	125.45	127.32	131	80	37	47	16	110	2
AL47AT10/44-0	2	44	138.20	140.06	-	88	37	47	16	118	0
AL47AT10/48-0	2	48	150.95	152.79	-	95	37	47	16	124	0
AL47AT10/60-0	2	60	189.10	190.99	-	110	37	47	16	162	0

Pilot Bore

Please note: All dimensions subject to change. Pulleys may be Bored or Unbored.
If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked pulleys please contact our Manufacturing Department for a quotation.

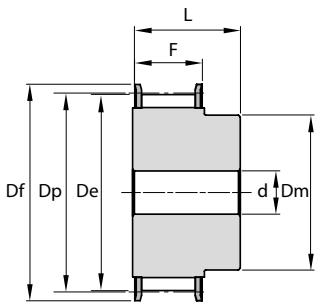


See AT Series Timing Belts – Page 33

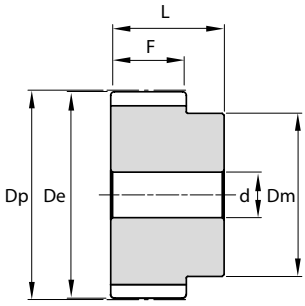
AT10 Pilot Bore Pulleys - to Suit 50mm Wide Belt

DRIVEFLEX

Pilot Bore



TYPE 1F



TYPE 2

- Material – Aluminium
- Flanges – Zinc Plated Steel

Code	Type	No. teeth	De	Dp	Df	Dm	F	L	Bore (d)	Max. bore	No. flanges
AL66AT10/18-2	1F	18	55.45	57.30	60	40	56	66	10	44	2
AL66AT10/19-2	1F	19	58.60	60.48	66	44	56	66	10	46	2
AL66AT10/20-2	1F	20	61.80	63.66	66	46	56	66	12	50	2
AL66AT10/22-2	1F	22	68.15	70.03	75	52	56	66	12	56	2
AL66AT10/24-2	1F	24	74.55	76.39	83	58	56	66	12	62	2
AL66AT10/25-2	1F	25	77.70	79.58	83	60	56	66	12	66	2
AL66AT10/26-2	1F	26	80.90	82.76	87	60	56	66	12	68	2
AL66AT10/27-2	1F	27	84.10	85.94	91	60	56	66	12	72	2
AL66AT10/28-2	1F	28	87.25	89.13	93	60	56	66	12	76	2
AL66AT10/30-2	1F	30	93.65	95.49	97	60	56	66	12	82	2
AL66AT10/32-2	1F	32	100.00	101.86	106	65	56	66	12	88	2
AL66AT10/36-2	1F	36	112.75	114.59	119	70	56	66	16	98	2
AL66AT10/40-2	1F	40	125.45	127.32	131	80	56	66	16	110	2
AL66AT10/44-0	2	44	138.20	140.06	-	88	56	66	16	118	0
AL66AT10/48-0	2	48	150.95	152.79	-	95	56	66	16	124	0
AL66AT10/60-0	2	60	189.10	190.99	-	110	56	66	16	162	0

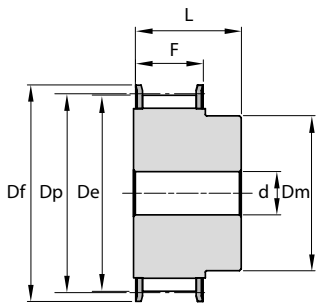
Pilot Bore

Please note: All dimensions subject to change. Pulleys may be Bored or Unbored.
If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked pulleys please contact our Manufacturing Department for a quotation.

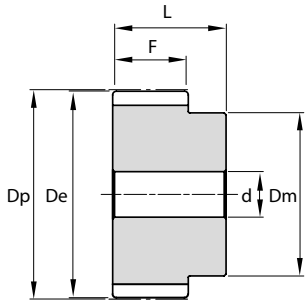
AT20 Pilot Bore Pulleys - to Suit 50mm Wide Belt

DRIVEFLEX

Pilot Bore



TYPE 1F



TYPE 2

- Material – Aluminium
- Flanges – Zinc Plated Steel

Code	Type	No.teeth	De	Dp	Df	Dm	F	L	Bore (d)	No. flanges
AL70AT20/18-2	1F	18	111.75	114.59	121	70	60	70	12	2
AL70AT20/19-2	1F	19	118.10	120.96	128	80	60	70	12	2
AL70AT20/20-2	1F	20	124.45	127.32	134	90	60	70	12	2
AL70AT20/22-2	1F	22	137.20	140.06	147	90	60	70	12	2
AL70AT20/24-2	1F	24	149.95	152.79	160	95	60	70	12	2
AL70AT20/28-2	1F	28	175.40	178.25	185	110	60	70	12	2
AL70AT20/30-2	1F	30	188.15	190.99	198	110	60	70	12	2
AL70AT20/32-2	1F	32	200.85	203.72	210	110	60	70	12	2
AL70AT20/35-2	1F	35	219.95	222.82	229	110	60	70	12	2
AL70AT20/36-2	1F	36	226.35	229.18	236	110	60	70	12	2
AL70AT20/40-2	1F	40	251.80	254.65	261	110	60	70	16	2
AL70AT20/44-0	2	44	277.25	280.11	-	130	60	70	16	0
AL70AT20/48-0	2	48	302.71	305.58	-	130	60	70	16	0
AL70AT20/60-0	2	60	379.10	381.97	-	140	60	70	16	0

Pilot Bore

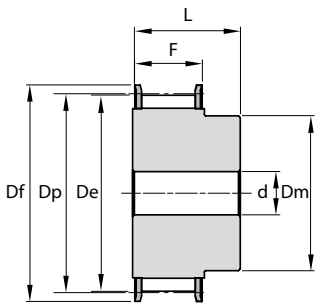
NB: All pulleys on this page are non-stock items and are manufactured to order

Please note: The table shows pulleys for 50 mm wide belts. Pulleys for other belt widths are also available.
Pulleys available to suit belt width from 16mm-150mm made to order.
All dimensions subject to change. Pulleys may be Bored or Unbored.
If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked pulleys please contact our Manufacturing Department for a quotation.

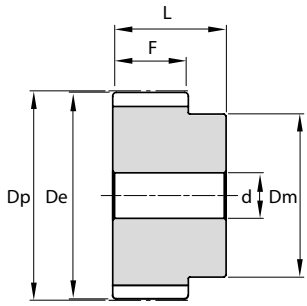
ATP10 & ATP15 Pilot Bore Pulleys - to Suit 50mm Wide Belt

DRIVEFLEX

Pilot Bore



TYPE 1F



TYPE 2

- Material – Aluminium
- Flanges – Zinc Plated Steel

ATP10

Code	Type	No.teeth	De	Dp	Df	Dm	F	L	Bore (d)	No. flanges
AL70ATP10/20-2	1F	20	62.06	63.66	67	46	60	70	12	2
AL70ATP10/24-2	1F	24	74.79	76.39	80	58	60	70	12	2
AL70ATP10/30-2	1F	30	93.89	95.49	99	60	60	70	12	2
AL70ATP10/32-2	1F	32	100.26	101.86	105	65	60	70	12	2
AL70ATP10/36-2	1F	36	112.99	114.59	118	70	60	70	16	2
AL70ATP10/40-2	1F	40	125.72	127.32	131	80	60	70	16	2
AL70ATP10/44-0	2	44	138.46	140.06	-	90	60	70	16	0
AL70ATP10/48-0	2	48	151.19	152.79	-	95	60	70	16	0
AL70ATP10/60-0	2	60	189.39	190.99	-	110	60	70	16	0

ATP15

Code	Type	No.teeth	De	Dp	Df	Dm	F	L	Bore (d)	No. flanges
AL70ATP15/25-2	1F	25	116.79	119.37	125	50	60	70	12	2
AL70ATP15/28-2	1F	28	131.11	133.69	137	58	60	70	12	2
AL70ATP15/30-2	1F	30	140.66	143.24	147	60	60	70	12	2
AL70ATP15/32-2	1F	32	150.21	152.79	156	65	60	70	12	2
AL70ATP15/36-2	1F	36	169.31	171.89	176	70	60	70	16	2
AL70ATP15/40-2	1F	40	188.41	190.99	195	80	60	70	16	2
AL70ATP15/44-0	2	44	207.50	210.08	-	140	60	70	16	0
AL70ATP15/48-0	2	48	226.60	229.18	-	140	60	70	16	0
AL70ATP15/60-0	2	60	283.90	286.48	-	160	60	70	20	0

Pilot Bore
Pilot Bore

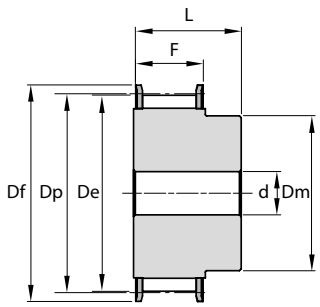
NB: All pulleys on this page are non-stock items and are manufactured to order

Please note: The tables show pulleys for 50 mm wide belts. Pulleys for other belt widths are also available.
Pulleys available to suit belt width from 16mm-150mm made to order.
All dimensions subject to change. Pulleys may be Bored or Unbored.
If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked pulleys please contact our Manufacturing Department for a quotation.

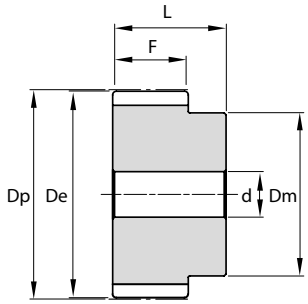
ATS15 Pilot Bore Pulleys - to Suit 50mm Wide Belt

DRIVEFLEX

Pilot Bore



TYPE 1F



TYPE 2

- Material – Aluminium
- Flanges – Zinc Plated Steel

Code	Type	No.teeth	De	Dp	Df	Dm	F	L	Bore (d)	No. flanges
AL70ATS15/25-2	1F	25	116.79	119.37	125	50	60	70	12	2
AL70ATS15/28-2	1F	28	131.11	133.69	137	58	60	70	12	2
AL70ATS15/30-2	1F	30	140.66	143.24	147	60	60	70	12	2
AL70ATS15/32-2	1F	32	150.21	152.79	156	65	60	70	12	2
AL70ATS15/36-2	1F	36	169.31	171.89	176	70	60	70	16	2
AL70ATS15/40-2	1F	40	188.41	190.99	195	80	60	70	16	2
AL70ATS15/44-0	2	44	207.50	210.08	-	140	60	70	16	0
AL70ATS15/48-0	2	48	226.60	229.18	-	140	60	70	16	0
AL70ATS15/60-0	2	60	283.90	286.48	-	160	60	70	20	0

Pilot Bore

NB: All pulleys on this page are non-stock items and are manufactured to order

Please note: The tables show pulleys for 50 mm wide belts. Pulleys for other belt widths are also available.
Pulleys available to suit belt width from 16mm-150mm made to order.
All dimensions subject to change. Pulleys may be Bored or Unbored.
If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked pulleys please contact our Manufacturing Department for a quotation.



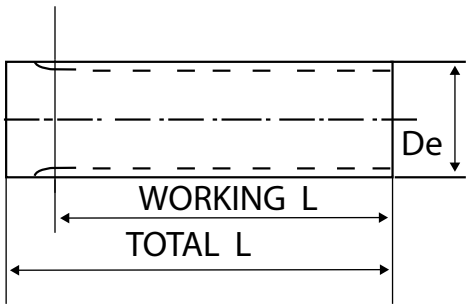
See BRECOmove® Timing Belts – Page 155

AT5 and AT10 Bar Stock

DRIVEFLEX

24 | 333 | 38 - 43 | 139 | 148 | 149 | 160

Bar Stock



AT5, AT10

- Material – Aluminium

AT5 Bar Stock

Code	No. teeth	De	L (working)	L (total)
AT5-12	12	17.85	140	140
AT5-13	13	19.45	140	140
AT5-14	14	21.05	140	140
AT5-15	15	22.65	140	140
AT5-16	16	24.20	140	140
AT5-18	18	27.40	140	140
AT5-19	19	29.00	140	140
AT5-20	20	30.60	160	160
AT5-21	21	32.30	160	160
AT5-22	22	33.85	160	160
AT5-23	23	35.45	160	160
AT5-24	24	37.00	160	160
AT5-25	25	38.55	160	160
AT5-26	26	40.20	160	160
AT5-28	28	43.25	160	160
AT5-30	30	46.55	160	160
AT5-32	32	49.70	160	160
AT5-34	34	52.85	160	160
AT5-36	36	56.05	160	160
AT5-38	38	59.25	160	160
AT5-40	40	62.45	160	160
AT5-42	42	65.60	160	160
AT5-44	44	68.80	160	160
AT5-46	46	72.00	160	160
AT5-48	48	72.15	160	160
AT5-52	52	81.55	160	160
AT5-56	56	87.90	160	160
AT5-60	60	94.25	160	160
AT5-64	64	100.65	160	160
AT5-72	72	113.35	160	160

AT10 Bar Stock

Code	No. teeth	De	L (working)	L (total)
AT10-15	15	45.90	160	160
AT10-16	16	49.14	160	160
AT10-18	18	55.45	160	160
AT10-19	19	58.65	160	160
AT10-20	20	61.80	160	160
AT10-21	21	65.03	160	160
AT10-22	22	68.20	160	160
AT10-23	23	71.35	160	160
AT10-24	24	74.55	160	160
AT10-25	25	77.75	160	160
AT10-26	26	80.90	160	160
AT10-28	28	87.25	160	160
AT10-30	30	93.65	160	160
AT10-32	32	100.00	160	160
AT10-34	34	106.44	160	160
AT10-36	36	112.75	160	160
AT10-38	38	119.14	160	160
AT10-40	40	125.45	160	160
AT10-42	42	131.87	160	160
AT10-44	44	138.20	160	160
AT10-46	46	144.60	160	160
AT10-48	48	150.95	160	160
AT10-52	52	163.70	160	160
AT10-56	56	176.43	160	160
AT10-60	60	189.15	160	160

Please note: Other numbers of teeth available upon request.
All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For made-to-order Bar Stock and Rework please contact our Sales Department for a quotation.

DRIVEFLEX

T Series
– Pilot Bore & Bar Stock

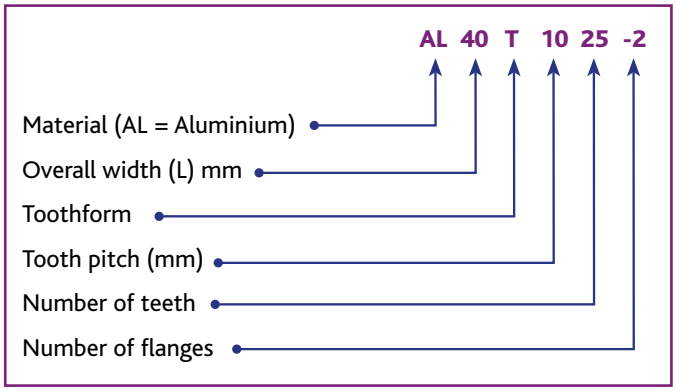


- IMPROVED BELT LIFE
- GENUINE TOOTHFORM
- HIGH SPEED
- HIGH ACCURACY
- LARGE STOCKS

T Series Timing Pulley Ordering Examples

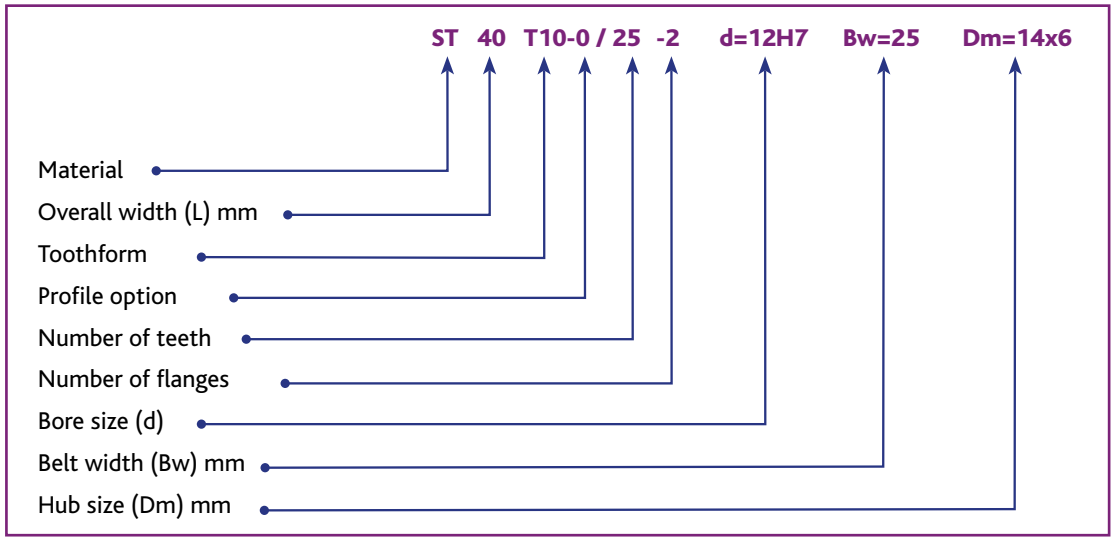
DRIVEFLEX

Standard T Pulley Order Example



Key to standard pulley diagrams	
Df	Flange diameter
d	Bore diameter
Dp	Pitch diameter
L	Overall width (or length through bore)
De	External diameter of teeth
F	Width over flanges
Dm	Hub diameter

Special Manufacturing Order Example



Additional Options for Manufactured Pulleys

Material	
AL	Aluminium
ST	Steel
SS	Stainless Steel
AC	Acetal
NY	Nylon
CI	Cast Iron
BR	Brass

Toothform	
T2	TK5(K6)
T2.5	TK5(K13)
T5	TK10(K6)
T10	TK10(K13)
T20	TK20(K13)

Tooth options	
-SE	Tooth profile used on all pulleys with <=20 teeth as standard
-0	Zero backlash tooth profile

Number of flanges	
-2	Two flanges (Up to and including 40 teeth on standard pulleys)
-1	One flange, state side relating to hub (important)
-0	No flanges (Above 40 teeth on standard pulleys)
-2C	Conveyor flanges, reduced diameter
-2BO	Two bolts on flanges

For any feature required, but not listed above please contact sales@transdev.co.uk

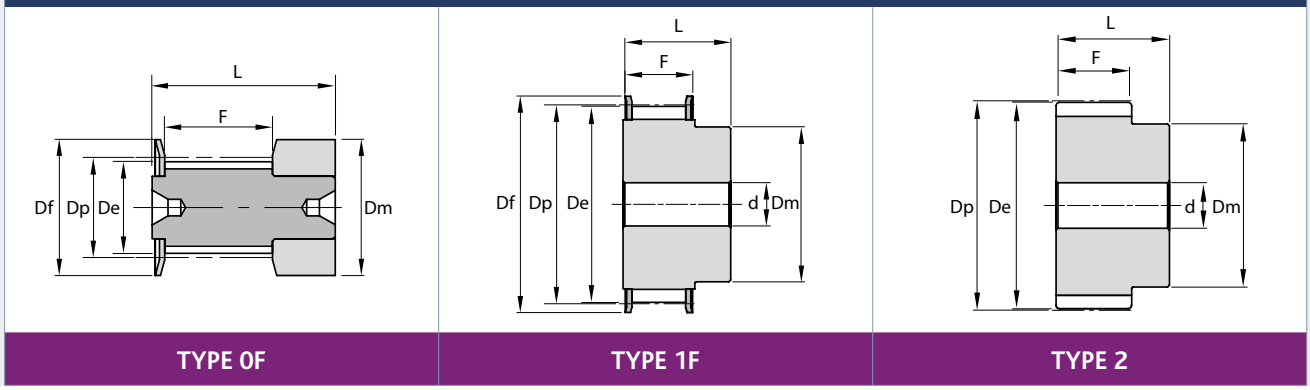
Pulley Rework

We can rework standard and stock pulleys to suit your individual requirements on pulleys under 400mm diameter.

K1.5 & T2 Pilot Bore Pulleys - to Suit 10mm Wide Belt

DRIVEFLEX

Pilot Bore



TYPE 0F | TYPE 1F | TYPE 2

- Material – Aluminium
- Flanges – Zinc Plated Steel

K1.5

Code	Type	No. teeth	De	Dp	Df	Dm	F	L	Bore (d)	Max. bore	No. flanges
AL20K1.5/20-2	0F	20	9.08	9.55	12	6	14	20	0	3.5	2
AL20K1.5/24-2	0F	24	10.99	11.46	15	8	14	20	0	4	2
AL20K1.5/32-2	0F	32	14.81	15.28	18	10	14	20	0	8	2
AL20K1.5/48-0	2	48	22.45	22.92	-	14	14	20	0	14	0

T2

Code	Type	No. teeth	De	Dp	Df	Dm	F	L	Bore (d)	d (max)	No. flanges
AL20T2/10-2	0F	10	5.82	6.37	8	13	14	20	-	2.5	2
AL20T2/12-2	0F	12	7.09	7.64	10	13	14	20	-	2.5	2
AL20T2/14-2	0F	14	8.36	8.91	12	15	14	20	-	3	2
AL20T2/15-2	0F	15	9.00	9.55	13	15	14	20	-	3.5	2
AL20T2/16-2	0F	16	9.64	10.19	13	16	14	20	-	3.5	2
AL20T2/18-2	1F	18	10.91	11.46	14	10	14	20	-	4	2
AL20T2/19-2	1F	19	11.55	12.10	15	10	14	20	-	5	2
AL20T2/20-2	1F	20	12.18	12.73	15	11	14	20	-	5	2
AL20T2/22-2	1F	22	13.46	14.01	16	11	14	20	-	6	2
AL20T2/24-2	1F	24	14.73	15.28	16	10	14	20	3	8	2
AL20T2/28-2	1F	28	17.28	17.83	20	10	14	20	3	10	2
AL20T2/30-2	1F	30	18.55	19.10	22	10	14	20	5	12	2
AL20T2/32-2	1F	32	19.82	20.37	24	14	14	20	5	13	2
AL20T2/40-2	1F	40	24.91	25.46	28	14	14	20	5	16	2
AL20T2/48-0	2	48	30.01	30.56	-	20	14	20	5	21	0
AL20T2/60-0	2	60	37.65	38.20	-	20	14	20	5	26	0

Pilot Bore
Pilot Bore

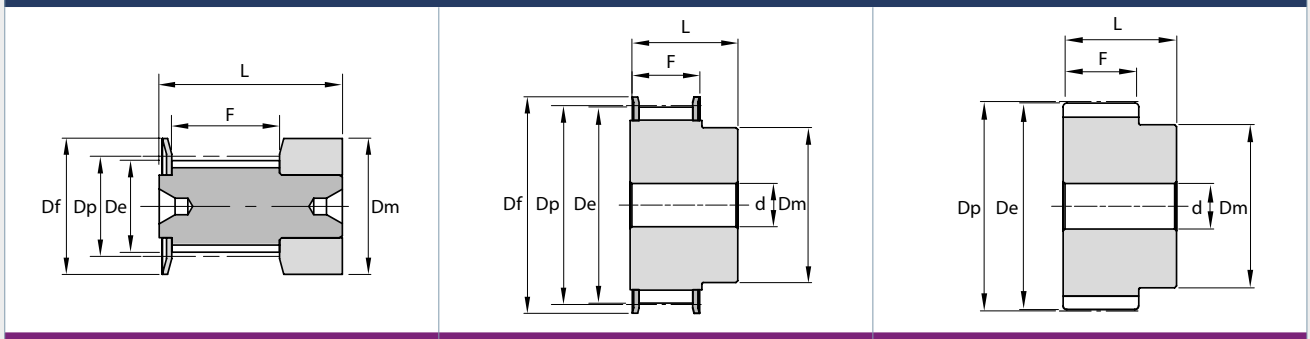
NB: All pulleys on this page are non-stock items and are manufactured to order

Please note: All dimensions subject to change. Pulleys may be Bored or Unbored.
If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked pulleys please contact our Manufacturing Department for a quotation.

T2.5 Pilot Bore Pulleys - to Suit 6mm Wide Belt

DRIVEFLEX

Pilot Bore



TYPE 0F | TYPE 1F | TYPE 2

- Material – Aluminium
- Flanges – Zinc Plated Steel

Code	Type	No. teeth	De	Dp	Df	Dm	F	L	Bore (d)	Max. bore	No. flanges
AL16T2.5/10-2	0F	10	7.45	7.96	13	13	9	16	-	3	2
AL16T2.5/12-2	0F	12	9.00	9.55	13	13	9	16	-	3	2
AL16T2.5/14-2	0F	14	10.60	11.14	15	15	9	16	-	4	2
AL16T2.5/15-2	0F	15	11.40	11.94	15	15	9	16	-	5	2
AL16T2.5/16-2	0F	16	12.20	12.73	16	16	9	16	-	6	2
AL16T2.5/18-2	1F	18	13.80	14.32	17.5	10	10	16	-	7	2
AL16T2.5/19-2	1F	19	14.60	15.12	20	10	10	16	-	8	2
AL16T2.5/20-2	1F	20	15.40	15.92	20	11	10	16	-	9	2
AL16T2.5/22-2	1F	22	17.00	17.51	22	11	10	16	-	10	2
AL16T2.5/24-2	1F	24	18.55	19.10	22	12	10	16	4	11	2
AL16T2.5/25-2	1F	25	19.35	19.89	25	13	10	16	4	12	2
AL16T2.5/26-2	1F	26	20.15	20.69	26	14	10	16	4	13	2
AL16T2.5/28-2	1F	28	21.75	22.28	26	14	10	16	4	13	2
AL16T2.5/30-2	1F	30	23.35	23.87	26	16	10	16	6	15	2
AL16T2.5/32-2	1F	32	24.95	25.46	32	16	10	16	6	16	2
AL16T2.5/36-2	1F	36	28.10	28.65	36	20	10	16	6	20	2
AL16T2.5/40-2	1F	40	31.30	31.83	38	22	10	16	6	23	2
AL16T2.5/44-0	2	44	34.50	35.01	-	24	10	16	6	25	0
AL16T2.5/48-0	2	48	37.70	38.20	-	26	10	16	6	27	0
AL16T2.5/60-0	2	60	47.25	47.75	-	34	10	16	8	35	0

Pilot Bore

Please note: All dimensions subject to change. Pulleys may be Bored or Unbored.
If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked pulleys please contact our Manufacturing Department for a quotation.

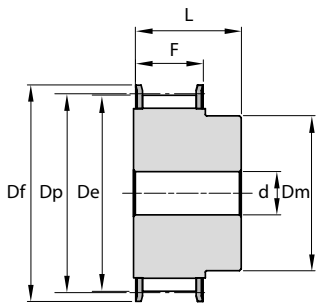


See Design Software – Page 30

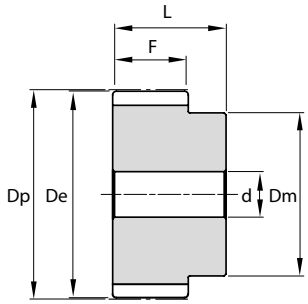
T5 Pilot Bore Pulleys - to Suit 10mm Wide Belt

DRIVEFLEX

Pilot Bore



TYPE 1F



TYPE 2

- Material – Aluminium
- Flanges – Zinc Plated Steel

Code	Type	No. teeth	De	Dp	Df	Dm	F	L	Bore (d)	Max. bore	No. flanges
AL21T5/10-2	1F	10	15.05	15.92	19.5	8	15	21	-	6	2
AL21T5/12-2	1F	12	18.25	19.10	23	11	15	21	-	6	2
AL21T5/14-2	1F	14	21.45	22.28	25	13	15	21	-	8	2
AL21T5/15-2	1F	15	23.05	23.87	28	16	15	21	6	10	2
AL21T5/16-2	1F	16	24.60	25.46	32	18	15	21	6	12	2
AL21T5/18-2	1F	18	27.80	28.65	32	20	15	21	6	16	2
AL21T5/19-2	1F	19	29.40	30.24	36	22	15	21	6	16	2
AL21T5/20-2	1F	20	31.00	31.83	36	23	15	21	6	18	2
AL21T5/22-2	1F	22	34.15	35.01	38	24	15	21	6	22	2
AL21T5/24-2	1F	24	37.40	38.02	42	26	15	21	6	24	2
AL21T5/25-2	1F	25	38.95	39.79	44	26	15	21	6	25	2
AL21T5/26-2	1F	26	40.60	41.38	44	26	15	21	6	25	2
AL21T5/27-2	1F	27	42.20	42.97	48	30	15	21	8	27	2
AL21T5/28-2	1F	28	43.75	44.56	48	32	15	21	8	29	2
AL21T5/30-2	1F	30	46.95	47.75	51	34	15	21	8	33	2
AL21T5/32-2	1F	32	50.10	50.93	54	38	15	21	8	37	2
AL21T5/36-2	1F	36	56.45	57.30	64	38	15	21	8	42	2
AL21T5/40-2	1F	40	62.85	63.66	66.5	40	15	21	8	47	2
AL21T5/42-2	1F	42	66.00	66.85	70	40	15	21	8	50	2
AL21T5/44-0	2	44	69.20	70.03	-	45	15	21	8	52	0
AL21T5/48-0	2	48	75.55	76.39	-	50	15	21	8	60	0
AL21T5/60-0	2	60	94.65	95.49	-	65	15	21	8	76	0

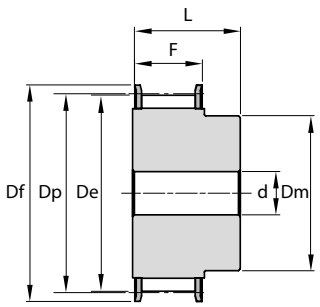
Pilot Bore

Please note: All dimensions subject to change. Pulleys may be Bored or Unbored.
If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked pulleys please contact our Manufacturing Department for a quotation.

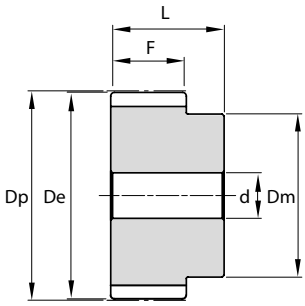
T5 Pilot Bore Pulleys - to Suit 16mm Wide Belt

DRIVEFLEX

Pilot Bore



TYPE 1F



TYPE 2

- Material – Aluminium
- Flanges – Zinc Plated Steel

Code	Type	No. teeth	De	Dp	Df	Dm	F	L	Bore (d)	Max. bore	No. flanges
AL27T5/10-2	1F	10	15.05	15.92	19.5	8	21	27	-	6	2
AL27T5/12-2	1F	12	18.25	19.10	23	11	21	27	-	6	2
AL27T5/14-2	1F	14	21.45	22.28	25	13	21	27	-	8	2
AL27T5/15-2	1F	15	23.05	23.87	28	16	21	27	6	10	2
AL27T5/16-2	1F	16	24.60	25.46	32	18	21	27	6	12	2
AL27T5/18-2	1F	18	27.80	28.65	32	20	21	27	6	16	2
AL27T5/19-2	1F	19	29.40	30.24	36	22	21	27	6	16	2
AL27T5/20-2	1F	20	31.00	31.83	36	23	21	27	6	18	2
AL27T5/22-2	1F	22	34.15	35.01	38	24	21	27	6	22	2
AL27T5/24-2	1F	24	37.40	38.02	42	26	21	27	6	24	2
AL27T5/25-2	1F	25	38.95	39.79	44	26	21	27	6	25	2
AL27T5/26-2	1F	26	40.60	41.38	44	26	21	27	6	25	2
AL27T5/27-2	1F	27	42.20	42.97	48	30	21	27	8	27	2
AL27T5/28-2	1F	28	43.75	44.56	48	32	21	27	8	29	2
AL27T5/30-2	1F	30	46.95	47.75	51	34	21	27	8	33	2
AL27T5/32-2	1F	32	50.10	50.93	54	38	21	27	8	37	2
AL27T5/36-2	1F	36	56.45	57.30	64	38	21	27	8	42	2
AL27T5/40-2	1F	40	62.85	63.66	66.5	40	21	27	8	47	2
AL27T5/42-2	1F	42	66.00	66.85	70	40	21	27	8	50	2
AL27T5/44-0	2	44	69.20	70.03	-	45	21	27	8	52	0
AL27T5/48-0	2	48	75.55	76.39	-	50	21	27	8	60	0
AL27T5/60-0	2	60	94.65	95.49	-	65	21	27	8	76	0

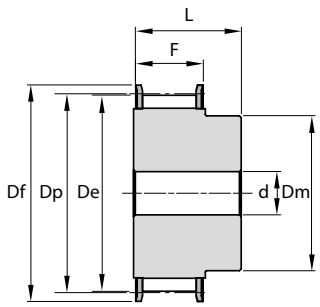
Pilot Bore

Please note: All dimensions subject to change. Pulleys may be Bored or Unbored.
If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked pulleys please contact our Manufacturing Department for a quotation.

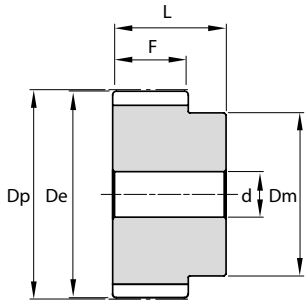
T5 Pilot Bore Pulleys - to Suit 25mm Wide Belt

DRIVEFLEX

Pilot Bore



TYPE 1F



TYPE 2

- Material – Aluminium
- Flanges – Zinc Plated Steel

Code	Type	No. teeth	De	Dp	Df	Dm	F	L	Bore (d)	Max. bore	No. flanges
AL36T5/10-2	1F	10	15.05	15.92	19.5	8	30	36	-	6	2
AL36T5/12-2	1F	12	18.25	19.10	23	11	30	36	-	6	2
AL36T5/14-2	1F	14	21.45	22.28	25	13	30	36	-	8	2
AL36T5/15-2	1F	15	23.05	23.87	28	16	30	36	6	10	2
AL36T5/16-2	1F	16	24.60	25.46	32	18	30	36	6	12	2
AL36T5/18-2	1F	18	27.80	28.65	32	20	30	36	6	16	2
AL36T5/19-2	1F	19	29.40	30.24	36	22	30	36	6	16	2
AL36T5/20-2	1F	20	31.00	31.83	36	23	30	36	6	18	2
AL36T5/22-2	1F	22	34.15	35.01	38	24	30	36	6	22	2
AL36T5/24-2	1F	24	37.40	38.02	42	26	30	36	8	24	2
AL36T5/25-2	1F	25	38.95	39.79	44	26	30	36	8	25	2
AL36T5/26-2	1F	26	40.60	41.38	44	26	30	36	8	25	2
AL36T5/27-2	1F	27	42.20	42.97	48	30	30	36	8	27	2
AL36T5/28-2	1F	28	43.75	44.56	48	32	30	36	8	29	2
AL36T5/30-2	1F	30	46.95	47.75	51	34	30	36	8	33	2
AL36T5/32-2	1F	32	50.10	50.93	54	38	30	36	8	37	2
AL36T5/36-2	1F	36	56.45	57.30	64	38	30	36	8	42	2
AL36T5/40-2	1F	40	62.85	63.66	66.5	40	30	36	8	47	2
AL36T5/42-2	1F	42	66.00	66.85	70	40	30	36	8	50	2
AL36T5/44-0	2	44	69.20	70.03	-	45	30	36	8	52	0
AL36T5/48-0	2	48	75.55	76.39	-	50	30	36	8	60	0
AL36T5/60-0	2	60	94.65	95.49	-	65	30	36	8	76	0

Pilot Bore

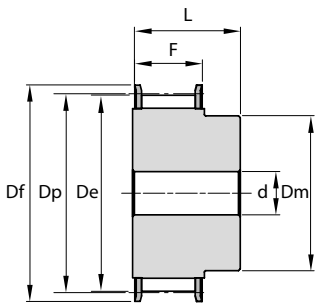
Please note: All dimensions subject to change. Pulleys may be Bored or Unbored.
If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked pulleys please contact our Manufacturing Department for a quotation.

T10 Pilot Bore Pulleys - to Suit 16mm Wide Belt

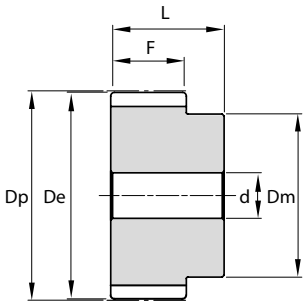
DRIVEFLEX

24 347 63 152

Pilot Bore



TYPE 1F



TYPE 2

- Material – Aluminium
- Flanges – Zinc Plated Steel

Code	Type	No. teeth	De	Dp	Df	Dm	F	L	Bore (d)	Max. bore	No. flanges
AL31T10/12-2	1F	12	36.35	38.20	42	28	21	31	6	24	2
AL31T10/14-2	1F	14	42.70	44.56	48	32	21	31	8	30	2
AL31T10/15-2	1F	15	45.90	47.75	51	32	21	31	8	34	2
AL31T10/16-2	1F	16	49.10	50.93	54	35	21	31	8	36	2
AL31T10/18-2	1F	18	55.45	57.30	60	40	21	31	8	44	2
AL31T10/19-2	1F	19	58.65	60.48	66	44	21	31	8	46	2
AL31T10/20-2	1F	20	61.80	63.66	66	46	21	31	8	50	2
AL31T10/22-2	1F	22	68.20	70.03	75	52	21	31	8	56	2
AL31T10/24-2	1F	24	74.55	76.39	83	58	21	31	8	62	2
AL31T10/25-2	1F	25	77.75	79.58	83	60	21	31	8	66	2
AL31T10/26-2	1F	26	80.90	82.76	87	60	21	31	8	68	2
AL31T10/27-2	1F	27	84.10	85.94	91	60	21	31	8	72	2
AL31T10/28-2	1F	28	87.25	89.13	93	60	21	31	8	76	2
AL31T10/30-2	1F	30	93.65	95.49	97	60	21	31	8	82	2
AL31T10/32-2	1F	32	100.00	101.86	106	65	21	31	10	88	2
AL31T10/36-2	1F	36	112.75	114.59	119	70	21	31	10	98	2
AL31T10/40-2	1F	40	125.45	127.32	131	80	21	31	10	110	2
AL31T10/44-0	2	44	138.20	140.06	-	88	21	31	10	118	0
AL31T10/48-0	2	48	150.95	152.79	-	95	21	31	16	124	0
AL31T10/60-0	2	60	189.10	190.15	-	110	21	31	16	162	0

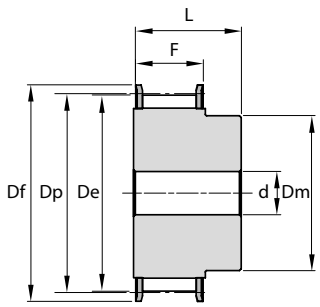
Pilot Bore

Please note: All dimensions subject to change. Pulleys may be Bored or Unbored.
If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked pulleys please contact our Manufacturing Department for a quotation.

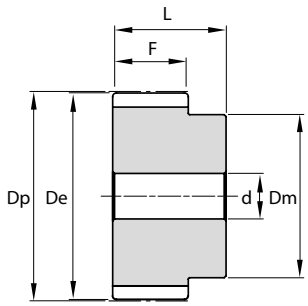
T10 Pilot Bore Pulleys - to Suit 25mm Wide Belt

DRIVEFLEX

Pilot Bore



TYPE 1F



TYPE 2

- Material – Aluminium
- Flanges – Zinc Plated Steel

Code	Type	No. teeth	De	Dp	Df	Dm	F	L	Bore (d)	Max. bore	No. flanges
AL40T10/12-2	1F	12	36.35	38.20	42	28	30	40	6	24	2
AL40T10/14-2	1F	14	42.70	44.56	48	32	30	40	8	30	2
AL40T10/15-2	1F	15	45.90	47.75	51	32	30	40	8	34	2
AL40T10/16-2	1F	16	49.10	50.93	54	35	30	40	8	36	2
AL40T10/18-2	1F	18	55.45	57.30	60	40	30	40	8	44	2
AL40T10/19-2	1F	19	58.65	60.48	66	44	30	40	8	46	2
AL40T10/20-2	1F	20	61.80	63.66	66	46	30	40	8	50	2
AL40T10/22-2	1F	22	68.20	70.03	75	52	30	40	8	56	2
AL40T10/24-2	1F	24	74.55	76.39	83	58	30	40	8	62	2
AL40T10/25-2	1F	25	77.75	79.58	83	60	30	40	8	66	2
AL40T10/26-2	1F	26	80.90	82.76	87	60	30	40	8	68	2
AL40T10/27-2	1F	27	84.10	85.94	91	60	30	40	8	72	2
AL40T10/28-2	1F	28	87.25	89.13	93	60	30	40	8	76	2
AL40T10/30-2	1F	30	93.65	95.49	97	60	30	40	8	82	2
AL40T10/32-2	1F	32	100.00	101.86	106	65	30	40	10	88	2
AL40T10/36-2	1F	36	112.75	114.59	119	70	30	40	10	98	2
AL40T10/40-2	1F	40	125.45	127.32	131	80	30	40	10	110	2
AL40T10/44-0	2	44	138.20	140.06	-	88	30	40	10	118	0
AL40T10/48-0	2	48	150.95	152.79	-	95	30	40	16	124	0
AL40T10/60-0	2	60	189.15	190.99	-	110	30	40	16	162	0

Pilot Bore

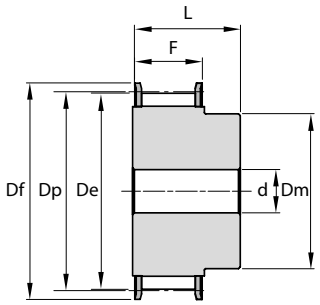
Please note: All dimensions subject to change. Pulleys may be Bored or Unbored.
If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked pulleys please contact our Manufacturing Department for a quotation.

T10 Pilot Bore Pulleys - to Suit 32mm Wide Belt

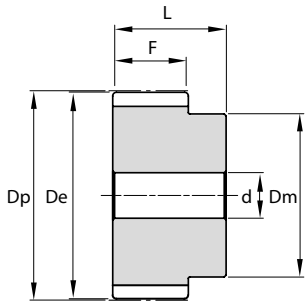
DRIVEFLEX

24 347 63 152

Pilot Bore



TYPE 1F



TYPE 2

- Material – Aluminium
- Flanges – Zinc Plated Steel

Code	Type	No. teeth	De	Dp	Df	Dm	F	L	Bore (d)	Max. bore	No. flanges
AL47T10/18-2	1F	18	55.45	57.30	60	40	37	47	10	44	2
AL47T10/19-2	1F	19	58.60	60.48	66	44	37	47	10	46	2
AL47T10/20-2	1F	20	61.80	63.66	66	46	37	47	12	50	2
AL47T10/22-2	1F	22	68.20	70.03	75	52	37	47	12	56	2
AL47T10/24-2	1F	24	74.55	76.39	83	58	37	47	12	62	2
AL47T10/25-2	1F	25	77.75	79.58	83	60	37	47	12	66	2
AL47T10/26-2	1F	26	80.90	82.76	87	60	37	47	12	68	2
AL47T10/27-2	1F	27	84.10	85.94	91	60	37	47	12	72	2
AL47T10/28-2	1F	28	87.25	89.13	93	60	37	47	12	76	2
AL47T10/30-2	1F	30	93.65	95.49	97	60	37	47	12	82	2
AL47T10/32-2	1F	32	100.00	101.86	106	65	37	47	12	88	2
AL47T10/36-2	1F	36	112.75	114.59	119	70	37	47	16	98	2
AL47T10/40-2	1F	40	125.45	127.32	131	80	37	47	16	110	2
AL47T10/44-0	2	44	138.20	140.06	-	88	37	47	16	118	0
AL47T10/48-0	2	48	150.95	152.79	-	95	37	47	16	124	0
AL47T10/60-0	2	60	189.00	190.99	-	110	37	47	16	162	0

Pilot Bore

Please note: All dimensions subject to change. Pulleys may be Bored or Unbored.
If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked pulleys please contact our Manufacturing Department for a quotation.

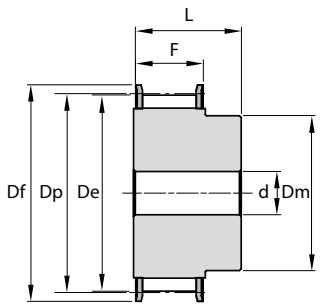


See T Series Timing Belts – Page 53

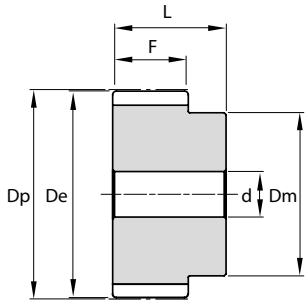
T10 Pilot Bore Pulleys - to Suit 50mm Wide Belt

DRIVEFLEX

Pilot Bore



TYPE 1F



TYPE 2

- Material – Aluminium
- Flanges – Zinc Plated Steel

Code	Type	No. teeth	De	Dp	Df	Dm	F	L	Bore (d)	Max. bore	No. flanges
AL66T10/18-2	1F	18	55.45	57.30	60	40	56	66	10	44	2
AL66T10/19-2	1F	19	58.65	60.48	66	44	56	66	10	46	2
AL66T10/20-2	1F	20	61.80	63.66	66	46	56	66	12	50	2
AL66T10/22-2	1F	22	68.20	70.03	75	52	56	66	12	56	2
AL66T10/24-2	1F	24	74.55	76.39	83	58	56	66	12	62	2
AL66T10/25-2	1F	25	77.70	79.58	83	60	56	66	12	66	2
AL66T10/26-2	1F	26	80.90	82.76	87	60	56	66	12	68	2
AL66T10/27-2	1F	27	84.10	85.94	91	60	56	66	12	72	2
AL66T10/28-2	1F	28	87.25	89.13	93	60	56	66	12	76	2
AL66T10/30-2	1F	30	93.65	95.49	97	60	56	66	12	82	2
AL66T10/32-2	1F	32	100.00	101.86	106	65	56	66	12	88	2
AL66T10/36-2	1F	36	112.75	114.59	119	70	56	66	16	98	2
AL66T10/40-2	1F	40	125.45	127.32	131	80	56	66	16	110	2
AL66T10/44-0	2	44	138.20	140.06	-	88	56	66	16	118	0
AL66T10/48-0	2	48	150.95	152.79	-	95	56	66	16	124	0
AL66T10/60-0	2	60	189.10	190.99	-	110	56	66	16	162	0

Pilot Bore

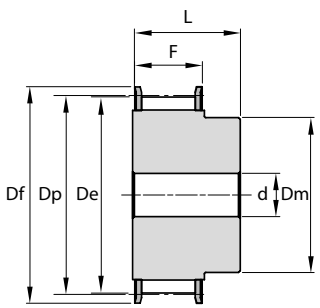
Please note: All dimensions subject to change. Pulleys may be Bored or Unbored.
If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked pulleys please contact our Manufacturing Department for a quotation.

T20 Pilot Bore Pulleys - to Suit 50mm Wide Belt

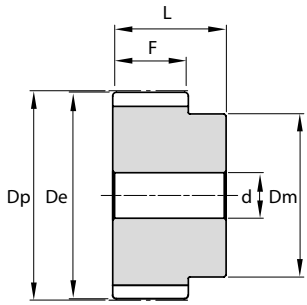
DRIVEFLEX

24 347 66 153

Pilot Bore



TYPE 1F



TYPE 2

- Material – Aluminium
- Flanges – Zinc Plated Steel

Code	Type	No. teeth	De	Dp	Df	Dm	F	L	Bore (d)	No. flanges
AL70T20/18-2	1F	18	111.75	114.59	121	70	56	66	16	2
AL70T20/19-2	1F	19	118.10	120.96	128	80	56	66	16	2
AL70T20/20-2	1F	20	124.45	127.32	134	80	56	66	16	2
AL70T20/22-2	1F	22	137.20	140.06	147	88	56	66	16	2
AL70T20/24-2	1F	24	149.95	152.79	160	95	56	66	16	2
AL70T20/28-2	1F	28	175.40	178.25	185	110	56	66	20	2
AL70T20/30-2	1F	30	188.15	190.99	198	110	56	66	20	2
AL70T20/32-2	1F	32	200.85	203.72	210	110	56	66	25	2
AL70T20/36-2	1F	36	226.35	229.18	236	120	56	66	25	2
AL70T20/40-2	1F	40	251.80	254.65	261	120	56	66	25	2
AL70T20/44-0	2	44	277.25	280.11	-	120	56	66	25	0
AL70T20/48-0	2	48	302.71	305.58	-	150	56	66	25	0
AL70T20/60-0	2	60	379.10	381.97	-	150	56	66	25	0

Pilot Bore

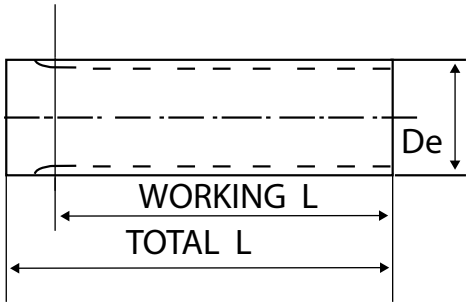
NB: All pulleys on this page are non-stock items and are manufactured to order

Please note: All dimensions subject to change. Pulleys may be Bored or Unbored.
If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked pulleys please contact our Manufacturing Department for a quotation.

T2.5, T5 and T10 Bar Stock

DRIVEFLEX

Bar Stock



T2.5, T5, T10

- Material – Aluminium

T2.5 Bar Stock

Code	No. teeth	De	L (working)	L (total)
BT2.5-10	10	7.45	50	75
BT2.5-12	12	9.00	50	75
BT2.5-13	13	9.80	50	75
BT2.5-14	14	10.60	50	75
BT2.5-15	15	11.40	50	75
BT2.5-16	16	12.20	50	75
BT2.5-17	17	13.00	50	75
BT2.5-18	18	13.80	50	75
BT2.5-19	19	14.60	90	120
BT2.5-20	20	15.40	90	120
BT2.5-21	21	16.20	90	120
BT2.5-22	22	17.00	125	140
BT2.5-24	24	18.55	125	140
BT2.5-26	26	20.15	125	140
BT2.5-27	27	20.95	125	140
BT2.5-28	28	21.75	125	140
BT2.5-29	29	22.55	125	140
BT2.5-30	30	23.35	125	140
BT2.5-32	32	24.95	125	140
BT2.5-34	34	26.55	125	140
BT2.5-35	35	27.35	132	140
BT2.5-36	36	28.15	132	140
BT2.5-38	38	29.70	140	140
BT2.5-40	40	31.30	140	140
BT2.5-42	42	32.90	140	140
BT2.5-44	44	34.50	140	140
BT2.5-45	45	35.30	140	140
BT2.5-48	48	37.70	140	140
BT2.5-50	50	39.29	160	160
BT2.5-60	60	47.25	160	160
BT2.5-65	65	51,20	160	160
BT2.5-70	70	55.20	160	160
BT2.5-72	72	56.80	160	160
BT2.5-90	90	71.12	160	160
BT2.5-100	100	79.08	160	160

T5 Bar Stock

Code	No. teeth	De	L (working)	L (total)
BT5-10	10	15.05	125	140
BT5-11	11	16.65	125	140
BT5-12	12	18.25	125	140
BT5-13	13	19.85	125	140
BT5-14	14	21.45	140	140
BT5-15	15	23.05	140	140
BT5-16	16	24.60	140	140
BT5-17	17	26.20	140	140
BT5-18	18	27.80	140	140
BT5-19	19	29.40	140	140
BT5-20	20	31.00	160	160
BT5-21	21	32.60	160	160
BT5-22	22	34.15	160	160
BT5-23	23	35.75	160	160
BT5-24	24	37.35	160	160
BT5-25	25	38.95	160	160
BT5-26	26	40.55	160	160
BT5-27	27	42.15	160	160
BT5-28	28	43.75	160	160
BT5-29	29	45.30	160	160
BT5-30	30	46.90	160	160
BT5-32	32	50.10	160	160
BT5-34	34	53.30	160	160
BT5-35	35	54.85	160	160
BT5-36	36	56.45	160	160
BT5-38	38	59.65	160	160
BT5-40	40	62.85	160	160
BT5-42	42	66.00	160	160
BT5-44	44	69.20	160	160
BT5-45	45	70.80	160	160
BT5-46	46	72.40	160	160
BT5-48	48	75.55	160	160
BT5-50	50	78.75	160	160
BT5-60	60	94.65	160	160
BT5-72	72	113.75	160	160
BT5-80	80	126.48	160	160
BT5-90	90	142.40	160	160
BT5-100	100	158.31	160	160

T10 Bar Stock

Code	No. teeth	De	L (working)	L (total)
BT10-10	10	29.98	140	140
BT10-11	11	33.16	140	140
BT10-12	12	36.35	140	140
BT10-13	13	39.55	140	140
BT10-14	14	42.70	160	160
BT10-15	15	45.90	160	160
BT10-16	16	49.10	160	160
BT10-17	17	52.25	160	160
BT10-18	18	55.45	160	160
BT10-19	19	58.65	160	160
BT10-20	20	61.80	160	160
BT10-21	21	65.00	160	160
BT10-22	22	68.20	160	160
BT10-23	23	71.35	160	160
BT10-24	24	74.55	160	160
BT10-26	26	80.90	160	160
BT10-28	28	87.25	160	160
BT10-30	30	93.65	160	160
BT10-32	32	100.00	160	160
BT10-34	34	106.35	160	160
BT10-36	36	112.75	160	160
BT10-38	38	119.10	160	160
BT10-40	40	125.45	160	160
BT10-45	45	141.40	160	160
BT10-48	48	150.95	160	160
BT10-60	60	189.15	160	160
BT10-72	72	227.35	160	160

Other numbers of teeth available upon request.
Please note: All dimensions subject to change.
If a dimension is critical to your application please contact our Sales Department for confirmation.
For made-to-order Pulleys and Rework please contact our Sales Department for a quotation.



TransDev MANUFACTURING

SPECIAL PULLEYS

As well as manufacturing a complete range of standard pulleys, TransDev is also the UK's largest manufacturer of special pulleys.

Our Special Pulleys Service

- Custom pulleys
- Rework of pulleys
- All materials available
- Heat treatments
- Protective finishes
- Part marking
- Balancing

Pulley materials and finishing

A selection of materials available:

- Aluminium
- Steel
- Stainless Steel
- Brass
- Cast Iron
- Plastics

Custom pulleys

Drawings will be necessary for timing pulleys with additional features. These can be manufactured to your requirements in all materials and to the highest tolerances. We can provide most quotations to drawing within 1 hour. Live work queues enable us to make real time changes to assist your delivery requirements on existing orders in production. Our unparalled precision cutter range ensure optimum meshing, even in small pulley sizes.

Rework of Pulleys

Reboring

- Up to 180mm H7 as standard
- Over 180mm - *please enquire*

Keywaying

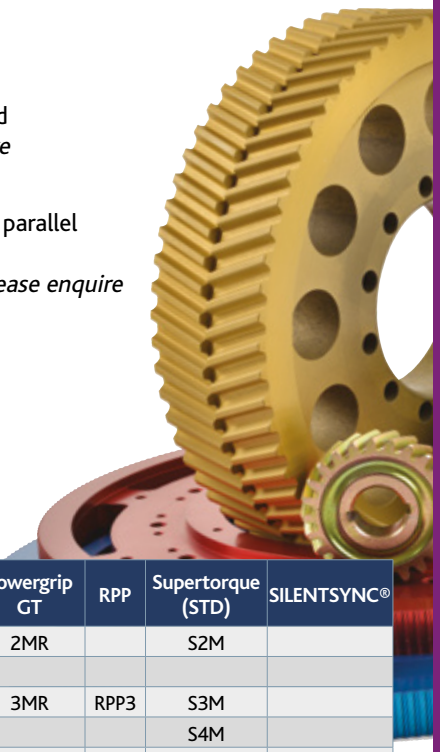
- Up to 25mm JS9 rectangular parallel keyways as standard
- Over 25mm and special - *please enquire*

Tapped holes

- Up to M16 as standard
- Over M16 - *please enquire*

Taper lock bush boring

- Up to 5050 as standard
- Over 5050 - *please enquire*



Special Tooth Profiles

T/TK Series	AT/ATK Series	ATP Series	ATN Series	BAT Series	SFAT Series	Imperial	SYNCHROCHAIN (CTD)	Poly Chain®	HTD	Powergrip GT	RPP	Supertorque (STD)	SILENTSYNC®
T2*						MXL(0.080")				2MR		S2M	
T2.5*						40 DP							
	AT3*								HTD3	3MR	RPP3	S3M	
												S4M	
												S4.5M	
T5*	AT5*					XL(1/5")			HTD5	5MR	RPP5	S5M	
	AT8*					L(3/8")	8	8	HTD8	8MR	RPP8	S8M	8
T10*	AT10*	ATP10*	ATN10*	BAT10*	SFAT10*	H(1/2")							
	ATS15*	ATP15*	ATN12.7*	BAT15*	SFAT15*	XH(7/8")	14	14	HTD14	14MR	RPP14	S14M	14
T20*	AT20*		ATN20*		SFAT20*	XXH(1 1/4")			HTD20				

* Available in standard, SE (reduced backlash) and zero-backlash

DRIVEFLEX

HTD Series – Pilot Bore & Bar Stock



- INDUSTRY STANDARD
- HUGE RANGE
- CORRECT PROFILES
- COST EFFECTIVE
- HIGH QUALITY
- HIGH POWER



DRIVEFLEX

HIGH TORQUE DRIVE (HTD) TIMING PULLEYS

TransDev hold a large stock of High Torque Drive (HTD) timing pulleys in pilot bore and taper lock bush type.

High Torque Drive (HTD) timing pulleys

TransDev hold a large stock of High Torque Drive (HTD) timing pulleys in pilot bore type and taper lock bush type. The material used for smaller pulleys is Aluminium, medium sizes are in Steel, larger sizes in Cast Iron, all featuring flanges made from Steel; see individual catalogue pages for specific materials and dimensions. HTD, CXP and CXA belts are all designed to run on these pulleys.

We can rework standard and stock pulleys to suit your individual requirements on pulleys under 400mm diameter.

Key to standard pulley diagrams	
Df	Flange diameter
d	Bore diameter
Dp	Pitch diameter
L	Overall width (or length through bore)
De	External diameter of teeth
F	Width over flanges
Dm	Hub diameter

Standard HTD Pulley Order Examples

Pilot Bore

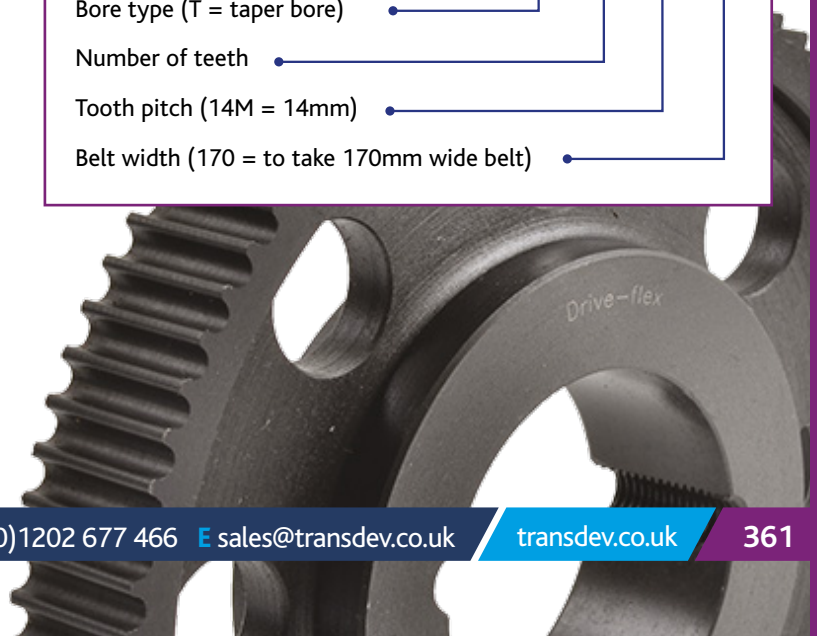
HTD P 44 8M 30 F

- High Torque Drive
- Bore type (P = pilot bore)
- Number of teeth
- Tooth pitch (8M = 8mm)
- Belt width (30 = to take 30mm wide belt)
- Flanges fitted

Taper Bore

HTD T 168 14M 170

- High Torque Drive
- Bore type (T = taper bore)
- Number of teeth
- Tooth pitch (14M = 14mm)
- Belt width (170 = to take 170mm wide belt)

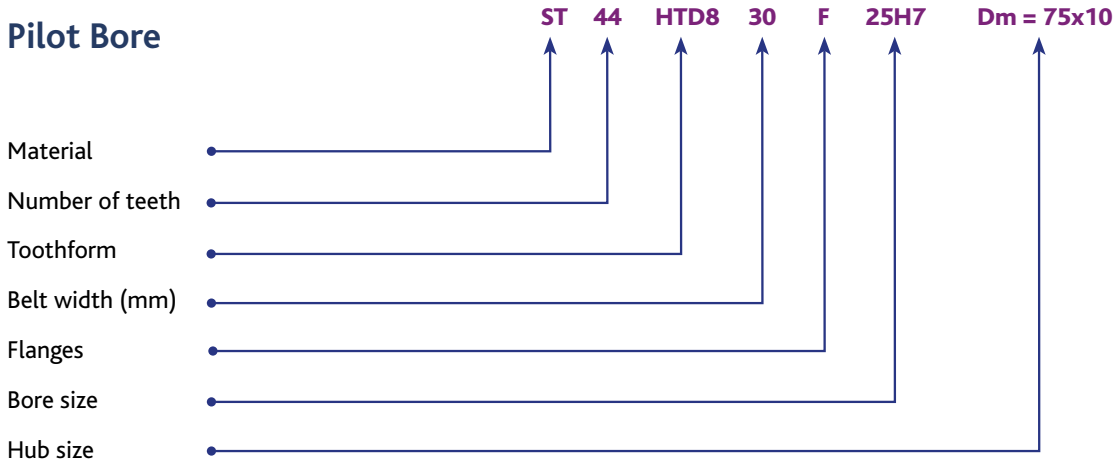


Special HTD Timing Pulley Ordering Examples

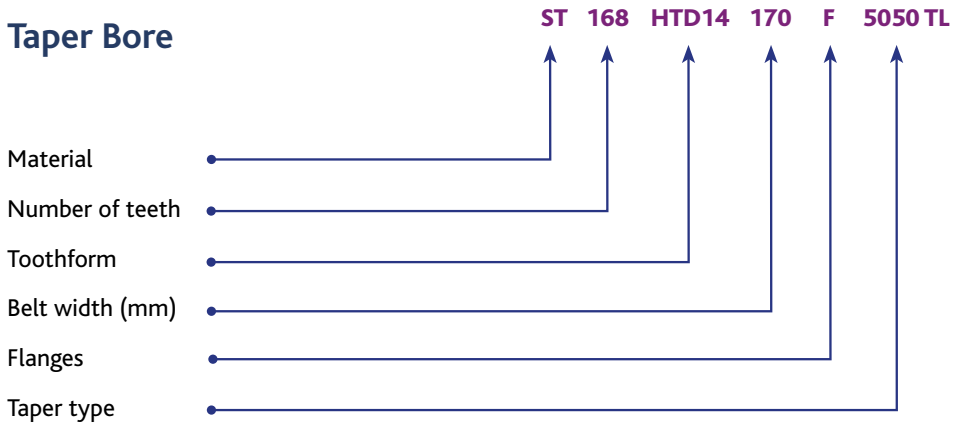
DRIVEFLEX

Special Manufacturing Order Example

Pilot Bore



Taper Bore



Additional Options for Manufactured Pulleys

Material	
AL	Aluminium
ST	Steel
SS	Stainless Steel
AC	Acetal
NY	Nylon
CI	Cast Iron
BR	Brass

Toothform			
HTD3	RPP3	2MR	CTD8
HTD5	RPP5	3MR	CTD14
HTD8	RPP8	5MR	
HTD14	RPP14	8MR	
HTD20		14MR	

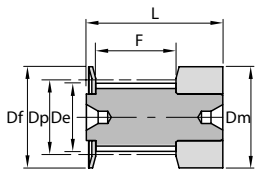
Number of flanges	
F	Two flanges
-1F	One flange, state side relating to hub (important)
-0	No flanges
-FC	Conveyor flanges, reduced diameter
-FBO	Two bolts on flanges

For any feature required, but not listed above please contact sales@transdev.co.uk

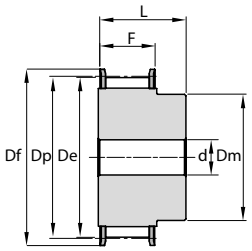
3M HTD Pilot Bore Pulleys - to Suit 9mm Wide Belt

DRIVEFLEX

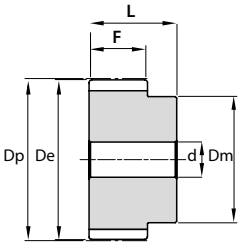
Pilot Bore



TYPE 0F



TYPE 1F



TYPE 8

- Material – Aluminium
- Flanges – Zinc Plated Steel
- Pitch – 3mm

Code	No. teeth	Type	Dp	De	Df	Dm	F	L	Bore (d)	No. flanges
P10-3M-09F	10	0F	9.55	8.79	13	13	10.2	17.5	-	2
P12-3M-09F	12	0F	11.46	10.70	15	15	10.2	17.5	-	2
P14-3M-09F	14	0F	13.37	12.61	16	16	10.2	17.5	-	2
P15-3M-09F	15	0F	14.32	13.56	17.5	17.5	10.2	17.5	-	2
P16-3M-09F	16	1F	15.28	14.52	17.5	10	12.8	20.6	4	2
P18-3M-09F	18	1F	17.19	16.43	20	11	12.8	20.6	6	2
P20-3M-09F	20	1F	19.10	18.34	23	13	12.8	20.6	6	2
P21-3M-09F	21	1F	20.05	19.29	25	14	12.8	20.6	6	2
P22-3M-09F	22	1F	21.01	20.25	25	14	12.8	20.6	6	2
P24-3M-09F	24	1F	22.92	22.16	25	14	12.8	20.6	6	2
P26-3M-09F	26	1F	24.83	24.07	28	16	12.8	20.6	6	2
P28-3M-09F	28	1F	26.74	25.98	32	18	12.8	20.6	6	2
P30-3M-09F	30	1F	28.65	27.89	32	20	12.8	20.6	6	2
P32-3M-09F	32	1F	30.56	29.80	36	22	12.8	20.6	6	2
P36-3M-09F	36	1F	34.38	33.62	39	26	13.4	22.2	6	2
P40-3M-09F	40	1F	38.20	37.44	42	28	13.4	22.2	6	2
P44-3M-09F	44	1F	42.02	41.26	48	33	13.4	22.2	6	2
P48-3M-09	48	8	45.84	45.08	-	33	13.4	22.2	8	-
P60-3M-09	60	8	57.30	56.54	-	33	13.4	22.2	8	-
P72-3M-09	72	8	68.75	67.99	-	33	13.4	22.2	8	-

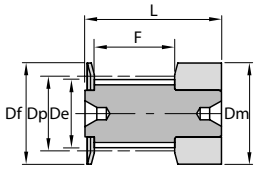
Pilot Bore

Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked pulleys please contact our Manufacturing Department for a quotation.

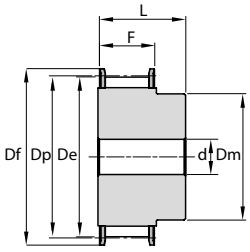
3M HTD Pilot Bore Pulleys - to Suit 15mm Wide Belt

DRIVEFLEX

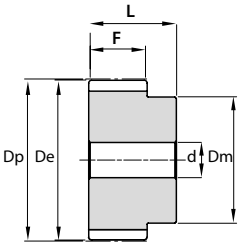
Pilot Bore



TYPE 0F



TYPE 1F



TYPE 8

- Material – Aluminium
- Flanges – Zinc Plated Steel
- Pitch – 3mm

Code	No. teeth	Type	Dp	De	Df	Dm	F	L	Bore (d)	No. flanges
P10-3M-15F	10	0F	9.55	8.79	13	13	17	26	-	2
P12-3M-15F	12	0F	11.46	10.7	15	15	17	26	-	2
P14-3M-15F	14	0F	13.37	12.61	16	16	17	26	-	2
P15-3M-15F	15	0F	14.32	13.56	17.5	17.5	17	26	-	2
P16-3M-15F	16	1F	15.28	14.52	17.5	10	19.5	26	4	2
P18-3M-15F	18	1F	17.19	16.43	20	11	19.5	26	6	2
P20-3M-15F	20	1F	19.10	18.34	23	13	19.5	26	6	2
P21-3M-15F	21	1F	20.05	19.29	25	14	19.5	26	6	2
P22-3M-15F	22	1F	21.01	20.25	25	14	19.5	26	6	2
P24-3M-15F	24	1F	22.92	22.16	25	14	19.5	26	6	2
P26-3M-15F	26	1F	24.83	24.07	28	16	19.5	26	6	2
P28-3M-15F	28	1F	26.74	25.98	32	18	19.5	26	6	2
P30-3M-15F	30	1F	28.65	27.89	32	20	19.5	26	6	2
P32-3M-15F	32	1F	30.56	29.80	36	22	19.5	26	6	2
P36-3M-15F	36	1F	34.38	33.62	39	26	20	30	6	2
P40-3M-15F	40	1F	38.20	37.44	42	28	20	30	6	2
P44-3M-15F	44	1F	42.02	41.26	48	33	20	30	6	2
P48-3M-15	48	8	45.84	45.08	-	33	20	30	8	-
P60-3M-15	60	8	57.30	56.54	-	33	20	30	8	-
P72-3M-15	72	8	68.75	67.99	-	33	20	30	8	-

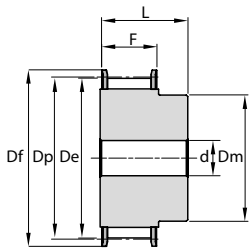
Pilot Bore

Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked pulleys please contact our Manufacturing Department for a quotation.

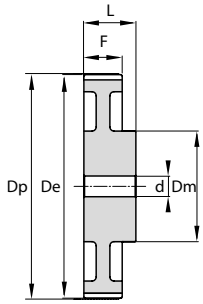
5M HTD Pilot Bore Pulleys - to Suit 9mm Wide Belt

DRIVEFLEX

Pilot Bore



TYPE 1F



TYPE 3

- Material – Steel or Aluminium
- Flanges – Zinc Plated Steel
- Pitch – 5mm

Code	Material	No. teeth	Type	Dp	De	Df	Dm	F	L	Bore (d)	No. flanges
P12-5M-09F	Steel	12	1F	19.10	17.96	23	13	14.5	20	4	2
P14-5M-09F	Steel	14	1F	22.28	21.14	25	13	14.5	20	6	2
P15-5M-09F	Steel	15	1F	23.87	22.73	28	16	14.5	20	6	2
P16-5M-09F	Steel	16	1F	25.46	24.32	28	16.5	14.5	20	6	2
P18-5M-09F	Steel	18	1F	28.65	27.51	32	20	14.5	20	6	2
P20-5M-09F	Steel	20	1F	31.83	30.69	36	23	14.5	22.5	6	2
P21-5M-09F	Steel	21	1F	33.42	32.28	38	24	14.5	22.5	6	2
P22-5M-09F	Steel	22	1F	35.01	33.87	39	25.5	14.5	22.5	6	2
P24-5M-09F	Steel	24	1F	38.20	37.06	42	27	14.5	22.5	6	2
P26-5M-09F	Steel	26	1F	41.38	40.24	44	30	14.5	22.5	6	2
P28-5M-09F	Steel	28	1F	44.56	43.42	48	30.5	14.5	22.5	6	2
P30-5M-09F	Steel	30	1F	47.75	46.60	51	35	14.5	22.5	6	2
P32-5M-09F	Steel	32	1F	50.93	49.79	54	38	14.5	22.5	8	2
P36-5M-09F	Steel	36	1F	57.30	56.16	60	38	14.5	22.5	8	2
P40-5M-09F	Steel	40	1F	63.66	62.52	71	38	14.5	22.5	8	2
P44-5M-09	Aluminium	44	3	70.03	68.89	-	38	14.5	25.5	8	-
P48-5M-09	Aluminium	48	3	76.39	75.25	-	45	14.5	25.5	8	-
P60-5M-09	Aluminium	60	3	95.49	94.35	-	45	14.5	25.5	8	-
P72-5M-09	Aluminium	72	3	114.59	113.45	-	45	14.5	25.5	8	-

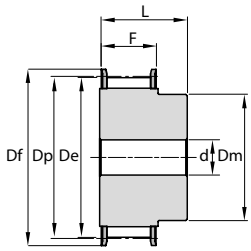
Pilot Bore

Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked pulleys please contact our Manufacturing Department for a quotation.

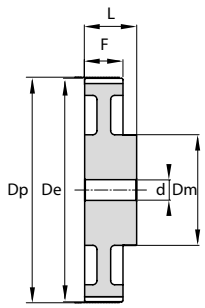
5M HTD Pilot Bore Pulleys - to Suit 15mm Wide Belt

DRIVEFLEX

Pilot Bore



TYPE 1F



TYPE 3

- Material – Steel or Aluminium
- Flanges – Zinc Plated Steel
- Pitch – 5mm

Code	Material	No. teeth	Type	Dp	De	Df	Dm	F	L	Bore (d)	No. flanges
P12-5M-15F	Steel	12	1F	19.10	17.96	23	13	20.5	26	-	2
P14-5M-15F	Steel	14	1F	22.28	21.14	25	13	20.5	26	6	2
P15-5M-15F	Steel	15	1F	23.87	22.73	28	16	20.5	26	6	2
P16-5M-15F	Steel	16	1F	25.46	24.32	28	16.5	20.5	26	6	2
P18-5M-15F	Steel	18	1F	28.65	27.51	32	20	20.5	26	6	2
P20-5M-15F	Steel	20	1F	31.83	30.69	36	23	20.5	26	6	2
P21-5M-15F	Steel	21	1F	33.42	32.28	38	24	20.5	26	6	2
P22-5M-15F	Steel	22	1F	35.01	33.87	39	25.5	20.5	26	6	2
P24-5M-15F	Steel	24	1F	38.20	37.06	42	27	20.5	28	6	2
P26-5M-15F	Steel	26	1F	41.38	40.24	44	30	20.5	28	6	2
P28-5M-15F	Steel	28	1F	44.56	43.42	48	30.5	20.5	28	6	2
P30-5M-15F	Steel	30	1F	47.75	46.60	51	35	20.5	28	6	2
P32-5M-15F	Steel	32	1F	50.93	49.79	54	38	20.5	28	8	2
P36-5M-15F	Steel	36	1F	57.30	56.16	60	38	20.5	28	8	2
P40-5M-15F	Steel	40	1F	63.66	62.52	71	38	20.5	28	8	2
P44-5M-15	Aluminium	44	3	70.03	68.89	-	38	20.5	30	8	-
P48-5M-15	Aluminium	48	3	76.39	75.25	-	38	20.5	30	8	-
P60-5M-15	Aluminium	60	3	95.49	94.35	-	50	20.5	30	8	-
P72-5M-15	Aluminium	72	3	114.59	113.45	-	50	20.5	30	8	-

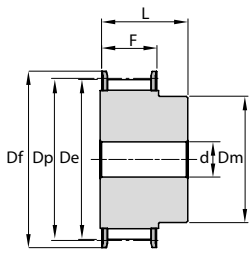
Pilot Bore

Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked pulleys please contact our Manufacturing Department for a quotation.

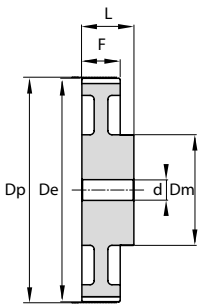
5M HTD Pilot Bore Pulleys - to Suit 25mm Wide Belt

DRIVEFLEX

Pilot Bore



TYPE 1F



TYPE 3

- Material – Steel or Aluminium
- Flanges – Zinc Plated Steel
- Pitch – 5mm

Code	Material	No. teeth	Type	Dp	De	Df	Dm	F	L	Bore (d)	No. flanges
P12-5M-25F	Steel	12	1F	19.10	17.96	23	13	30.5	36	-	2
P14-5M-25F	Steel	14	1F	22.28	21.14	25	13	30.5	36	6	2
P15-5M-25F	Steel	15	1F	23.87	22.73	28	16	30.5	36	6	2
P16-5M-25F	Steel	16	1F	25.46	24.32	28	16.5	30.5	36	6	2
P18-5M-25F	Steel	18	1F	28.65	27.51	32	20	30.5	36	6	2
P20-5M-25F	Steel	20	1F	31.83	30.69	36	23	30.5	36	6	2
P21-5M-25F	Steel	21	1F	33.42	32.28	38	24	30.5	38	6	2
P22-5M-25F	Steel	22	1F	35.01	33.87	39	25.5	30.5	38	6	2
P24-5M-25F	Steel	24	1F	38.20	37.06	42	27	30.5	38	6	2
P26-5M-25F	Steel	26	1F	41.38	40.24	44	30	30.5	38	6	2
P28-5M-25F	Steel	28	1F	44.56	43.42	48	30.5	30.5	38	6	2
P30-5M-25F	Steel	30	1F	47.75	46.60	51	35	30.5	38	6	2
P32-5M-25F	Steel	32	1F	50.93	49.79	54	38	30.5	38	8	2
P36-5M-25F	Steel	36	1F	57.30	56.16	60	38	30.5	38	8	2
P40-5M-25F	Steel	40	1F	63.66	62.52	71	38	30.5	38	8	2
P44-5M-25	Aluminium	44	3	70.03	68.89	-	38	30.5	40	8	-
P48-5M-25	Aluminium	48	3	76.39	75.25	-	38	30.5	40	8	-
P60-5M-25	Aluminium	60	3	95.49	94.35	-	50	30.5	40	8	-
P72-5M-25	Aluminium	72	3	114.59	113.45	-	50	30.5	40	8	-

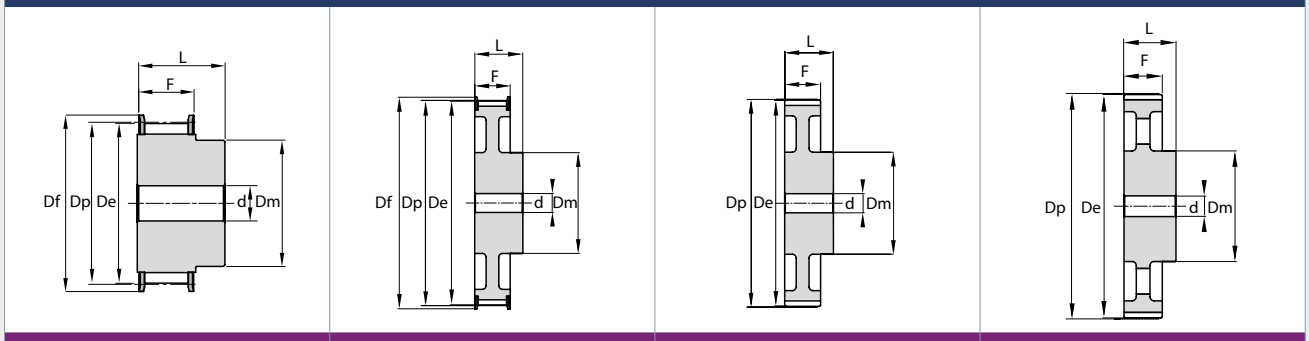
Pilot Bore

Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked pulleys please contact our Manufacturing Department for a quotation.

8M HTD Pilot Bore Pulleys - to Suit 20mm Wide Belt

DRIVEFLEX

Pilot Bore



TYPE 1F | TYPE 2F | TYPE 3 | TYPE 4

- Material – Steel or Cast Iron
- Flanges – Steel
- Pitch – 8mm

Code	Material	No. teeth	Type	Dp	De	Df	Dm	F	L	Bore (d)	No. flanges
P22-8M-20F	Steel	22	1F	56.02	54.65	60	43	28	38	12	2
P24-8M-20F	Steel	24	1F	61.12	59.75	66	45	28	38	12	2
P26-8M-20F	Steel	26	1F	66.21	64.85	70	48	28	38	12	2
P28-8M-20F	Steel	28	1F	71.30	70.08	75	50	28	38	15	2
P30-8M-20F	Steel	30	1F	76.39	75.13	82.5	55	28	38	15	2
P32-8M-20F	Steel	32	1F	81.49	80.16	87	60	28	38	15	2
P34-8M-20F	Steel	34	1F	86.58	85.22	91	66	28	38	15	2
P36-8M-20F	Steel	36	1F	91.67	90.30	97	70	28	38	15	2
P38-8M-20F	Steel	38	1F	96.77	95.39	102	75	28	38	15	2
P40-8M-20F	Steel	40	1F	101.86	100.49	106	75	28	38	15	2
P44-8M-20F	Steel	44	1F	112.05	110.67	120	75	28	38	15	2
P48-8M-20F	Steel	48	1F	122.23	120.86	128	75	28	38	15	2
P56-8M-20F	Steel	56	2F	142.60	141.23	150	80	28	38	15	2
P64-8M-20F	Steel	64	2F	162.97	161.60	168	80	28	38	15	2
P72-8M-20F	Steel	72	2F	183.35	181.97	192	80	28	38	15	2
P80-8M-20	Cast Iron	80	3	203.72	202.35	-	90	28	38	15	-
P90-8M-20	Cast Iron	90	3	229.18	227.81	-	90	28	38	15	-
P112-8M-20	Cast Iron	112	4	285.21	283.83	-	90	28	38	18	-
P144-8M-20	Cast Iron	144	4	366.69	365.32	-	90	28	38	20	-
P168-8M-20	Cast Iron	168	4	427.81	426.44	-	100	28	38	20	-
P192-8M-20	Cast Iron	192	4	488.92	487.55	-	100	28	38	20	-

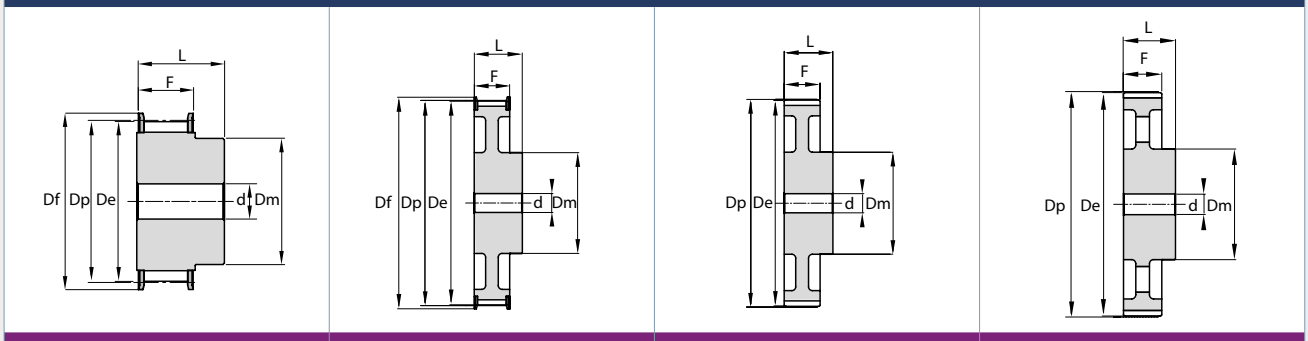
Pilot Bore

Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked pulleys please contact our Manufacturing Department for a quotation.

8M HTD Pilot Bore Pulleys - to Suit 30mm Wide Belt

DRIVEFLEX

Pilot Bore



TYPE 1F	TYPE 2F	TYPE 3	TYPE 4

- Material – Steel or Cast Iron
- Flanges – Steel
- Pitch – 8mm

Code	Material	No. teeth	Type	Dp	De	Df	Dm	F	L	Bore (d)	No. flanges
P22-8M-30F	Steel	22	1F	56.02	54.65	60	43	38	48	12	2
P24-8M-30F	Steel	24	1F	61.12	59.75	66	45	38	48	12	2
P26-8M-30F	Steel	26	1F	66.21	64.85	70	48	38	48	12	2
P28-8M-30F	Steel	28	1F	71.30	70.08	75	50	38	48	15	2
P30-8M-30F	Steel	30	1F	76.39	75.13	82.5	55	38	48	15	2
P32-8M-30F	Steel	32	1F	81.49	80.16	87	60	38	48	15	2
P34-8M-30F	Steel	34	1F	86.58	85.22	91	66	38	48	15	2
P36-8M-30F	Steel	36	1F	91.67	90.30	97	70	38	48	15	2
P38-8M-30F	Steel	38	1F	96.77	95.39	102	75	38	48	15	2
P40-8M-30F	Steel	40	1F	101.86	100.49	106	75	38	48	15	2
P44-8M-30F	Steel	44	1F	112.05	110.67	120	75	38	48	15	2
P48-8M-30F	Steel	48	1F	122.23	120.86	128	75	38	48	15	2
P56-8M-30F	Steel	56	2F	142.60	141.23	150	90	38	48	15	2
P64-8M-30F	Steel	64	2F	162.97	161.60	168	90	38	48	15	2
P72-8M-30F	Steel	72	2F	183.35	181.97	192	95	38	48	15	2
P80-8M-30	Cast Iron	80	3	203.72	202.35	-	100	38	48	15	-
P90-8M-30	Cast Iron	90	3	229.18	227.81	-	100	38	48	15	-
P112-8M-30	Cast Iron	112	4	285.21	283.83	-	100	38	48	18	-
P144-8M-30	Cast Iron	144	4	366.69	365.32	-	100	38	48	20	-
P168-8M-30	Cast Iron	168	4	427.81	426.44	-	100	38	48	20	-
P192-8M-30	Cast Iron	192	4	488.92	487.55	-	100	38	48	20	-

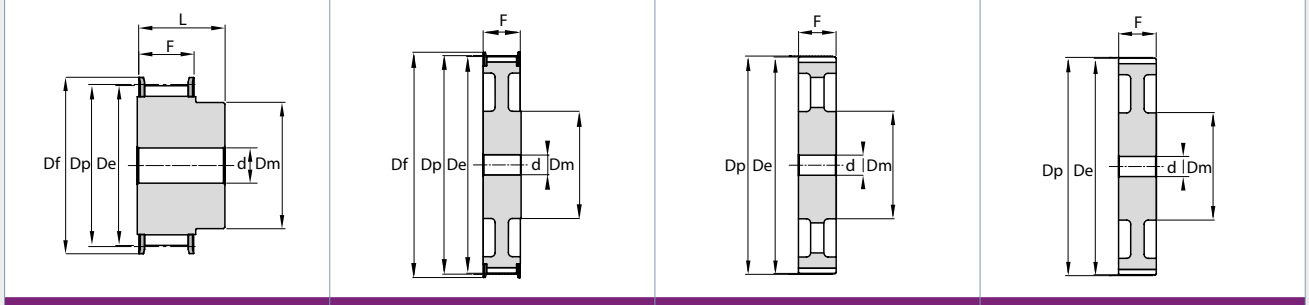
Pilot Bore

Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked pulleys please contact our Manufacturing Department for a quotation.

8M HTD Pilot Bore Pulleys - to Suit 50mm Wide Belt

DRIVEFLEX

Pilot Bore



TYPE 1F | TYPE 6F | TYPE 5 | TYPE 7

- Material – Steel or Cast Iron
- Flanges – Steel
- Pitch – 8mm

Code	Material	No. teeth	Type	Dp	De	Df	Dm	F	L	Bore (d)	No. flanges
P22-8M-50F	Steel	22	1F	56.02	54.65	60	43	60	70	12	2
P24-8M-50F	Steel	24	1F	61.12	59.75	66	45	60	70	12	2
P26-8M-50F	Steel	26	1F	66.21	64.85	70	48	60	70	12	2
P28-8M-50F	Steel	28	1F	71.30	70.08	75	50	60	70	15	2
P30-8M-50F	Steel	30	1F	76.39	75.13	82.5	55	60	70	15	2
P32-8M-50F	Steel	32	1F	81.49	80.16	87	60	60	70	15	2
P34-8M-50F	Steel	34	1F	86.58	85.22	91	66	60	70	15	2
P36-8M-50F	Steel	36	1F	91.67	90.30	97	70	60	70	15	2
P38-8M-50F	Steel	38	1F	96.77	95.39	102	75	60	70	15	2
P40-8M-50F	Steel	40	1F	101.86	100.49	106	75	60	70	18	2
P44-8M-50F	Steel	44	1F	112.05	110.67	120	75	60	70	18	2
P48-8M-50F	Steel	48	1F	122.23	120.86	128	80	60	70	18	2
P56-8M-50F	Steel	56	6F	142.60	141.23	150	90	60	60	18	2
P64-8M-50F	Steel	64	6F	162.97	161.60	168	100	60	60	18	2
P72-8M-50F	Steel	72	6F	183.35	181.97	192	100	60	60	18	2
P80-8M-50	Cast Iron	80	7	203.72	202.35	-	110	60	60	18	-
P90-8M-50	Cast Iron	90	7	229.18	227.81	-	110	60	60	18	-
P112-8M-50	Cast Iron	112	5	285.21	283.83	-	110	60	60	18	-
P144-8M-50	Cast Iron	144	5	366.69	365.32	-	110	60	60	20	-
P168-8M-50	Cast Iron	168	5	427.81	426.44	-	120	60	60	20	-
P192-8M-50	Cast Iron	192	5	488.92	487.55	-	130	60	60	20	-

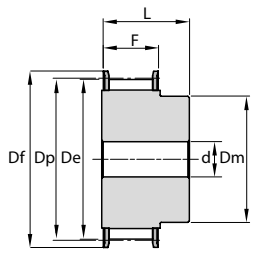
Pilot Bore

Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked pulleys please contact our Manufacturing Department for a quotation.

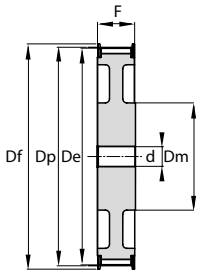
8M HTD Pilot Bore Pulleys - to Suit 85mm Wide Belt

DRIVEFLEX

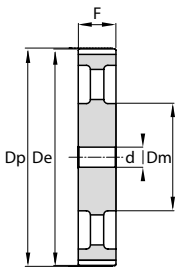
Pilot Bore



TYPE 1F



TYPE 6F



TYPE 5

- Material – Steel or Cast Iron
- Flanges – Steel
- Pitch – 8mm

Code	Material	No. teeth	Type	Dp	De	Df	Dm	F	L	Bore (d)	No. flanges
P22-8M-85F	Steel	22	1F	56.02	54.65	60	43	95	105	12	2
P24-8M-85F	Steel	24	1F	61.12	59.75	66	45	95	105	12	2
P26-8M-85F	Steel	26	1F	66.21	64.85	70	48	95	105	12	2
P28-8M-85F	Steel	28	1F	71.30	70.08	75	50	95	105	15	2
P30-8M-85F	Steel	30	1F	76.39	75.13	82.5	55	95	105	15	2
P32-8M-85F	Steel	32	1F	81.49	80.16	87	60	95	105	15	2
P34-8M-85F	Steel	34	1F	86.58	85.22	91	66	95	105	15	2
P36-8M-85F	Steel	36	1F	91.67	90.30	97	70	95	105	15	2
P38-8M-85F	Steel	38	1F	96.77	95.39	102	75	95	105	15	2
P40-8M-85F	Steel	40	1F	101.86	100.49	106	75	95	105	18	2
P44-8M-85F	Steel	44	1F	112.05	110.67	120	75	95	105	18	2
P48-8M-85F	Steel	48	1F	122.23	120.86	128	80	95	105	18	2
P56-8M-85F	Steel	56	1F	142.60	141.23	150	90	95	105	20	2
P64-8M-85F	Steel	64	6F	162.97	161.60	168	100	95	95	20	2
P72-8M-85F	Steel	72	6F	183.35	181.97	192	100	95	95	20	2
P80-8M-85	Cast Iron	80	5	203.72	202.35	-	110	95	95	20	-
P90-8M-85	Cast Iron	90	5	229.18	227.81	-	110	95	95	20	-
P112-8M-85	Cast Iron	112	5	285.21	283.83	-	110	95	95	24	-
P144-8M-85	Cast Iron	144	5	366.69	365.32	-	110	95	95	24	-
P168-8M-85	Cast Iron	168	5	427.81	426.44	-	120	95	95	24	-
P192-8M-85	Cast Iron	192	5	488.92	487.55	-	130	95	95	24	-

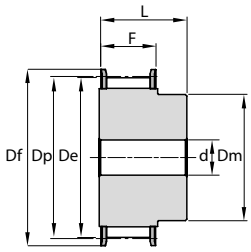
Pilot Bore

Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked pulleys please contact our Manufacturing Department for a quotation.

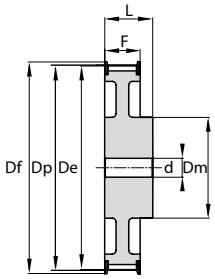
14M HTD Pilot Bore Pulleys - to Suit 40mm Wide Belt

DRIVEFLEX

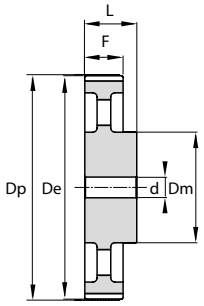
Pilot Bore



TYPE 1F



TYPE 2F



TYPE 4

- Material – Steel or Cast Iron
- Flanges – Steel
- Pitch – 14mm

Code	Material	No. teeth	Type	Dp	De	Df	Dm	F	L	Bore (d)	No. flanges
P28-14M-40F	Steel	28	1F	124.78	122.12	128	100	54	69	24	2
P29-14M-40F	Steel	29	1F	129.23	126.57	138	100	54	69	24	2
P30-14M-40F	Steel	30	1F	133.69	130.99	138	100	54	69	24	2
P32-14M-40F	Steel	32	1F	142.60	139.88	154	100	54	69	24	2
P34-14M-40F	Steel	34	1F	151.52	148.79	160	100	54	69	24	2
P36-14M-40F	Steel	36	1F	160.43	157.68	168	100	54	69	24	2
P38-14M-40F	Steel	38	1F	169.34	166.60	183	120	54	69	24	2
P40-14M-40F	Steel	40	1F	178.25	175.49	188	120	54	69	24	2
P44-14M-40F	Steel	44	1F	196.08	193.28	211	120	54	69	24	2
P48-14M-40F	Cast Iron	48	2F	213.90	211.11	226	135	54	69	24	2
P56-14M-40F	Cast Iron	56	2F	249.55	246.76	256	135	54	69	28	2
P64-14M-40F	Cast Iron	64	2F	285.21	282.41	296	135	54	69	28	2
P72-14M-40	Cast Iron	72	4	320.86	318.06	-	135	54	69	28	-
P80-14M-40	Cast Iron	80	4	356.51	353.71	-	135	54	69	28	-
P90-14M-40	Cast Iron	90	4	401.07	398.28	-	135	54	69	28	-
P112-14M-40	Cast Iron	112	4	499.11	496.32	-	135	54	69	28	-
P144-14M-40	Cast Iron	144	4	641.71	638.92	-	135	54	69	28	-
P168-14M-40	Cast Iron	168	4	748.66	745.87	-	135	54	69	28	-
P192-14M-40	Cast Iron	192	4	855.62	852.82	-	135	54	69	28	-

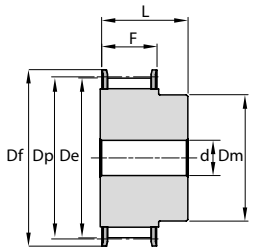
Pilot Bore

Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked pulleys please contact our Manufacturing Department for a quotation.

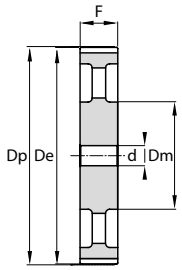
14M HTD Pilot Bore Pulleys - to Suit 55mm Wide Belt

DRIVEFLEX

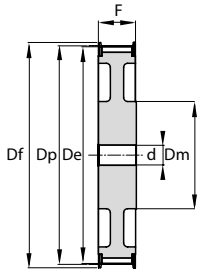
Pilot Bore



TYPE 1F



TYPE 5



TYPE 6F

- Material – Steel or Cast Iron
- Flanges – Steel
- Pitch – 14mm

Code	Material	No. teeth	Type	Dp	De	Df	Dm	F	L	Bore (d)	No. flanges
P28-14M-55F	Steel	28	1F	124.78	122.12	128	100	70	85	24	2
P29-14M-55F	Steel	29	1F	129.23	126.57	138	100	70	85	24	2
P30-14M-55F	Steel	30	1F	133.69	130.99	138	100	70	85	24	2
P32-14M-55F	Steel	32	1F	142.60	139.88	154	100	70	85	24	2
P34-14M-55F	Steel	34	1F	151.52	148.79	160	100	70	85	24	2
P36-14M-55F	Steel	36	1F	160.43	157.68	168	100	70	85	24	2
P38-14M-55F	Steel	38	1F	169.34	166.60	183	120	70	85	24	2
P40-14M-55F	Steel	40	1F	178.25	175.49	188	120	70	85	24	2
P44-14M-55F	Steel	44	1F	196.08	193.28	211	120	70	85	24	2
P48-14M-55F	Cast Iron	48	6F	213.90	211.11	226	135	70	70	24	2
P56-14M-55F	Cast Iron	56	6F	249.55	246.76	256	135	70	70	28	2
P64-14M-55F	Cast Iron	64	6F	285.21	282.41	296	135	70	70	28	2
P72-14M-55	Cast Iron	72	5	320.86	318.06	-	135	70	70	28	-
P80-14M-55	Cast Iron	80	5	356.51	353.71	-	135	70	70	28	-
P90-14M-55	Cast Iron	90	5	401.07	398.28	-	135	70	70	28	-
P112-14M-55	Cast Iron	112	5	499.11	496.32	-	135	70	70	28	-
P144-14M-55	Cast Iron	144	5	641.71	638.92	-	135	70	70	28	-
P168-14M-55	Cast Iron	168	5	748.66	745.87	-	135	70	70	28	-
P192-14M-55	Cast Iron	192	5	855.62	852.82	-	135	70	70	28	-

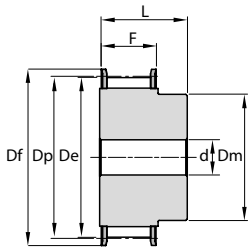
Pilot Bore

Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked pulleys please contact our Manufacturing Department for a quotation.

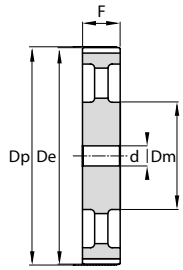
14M HTD Pilot Bore Pulleys - to Suit 85mm Wide Belt

DRIVEFLEX

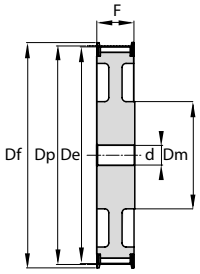
Pilot Bore



TYPE 1F



TYPE 5



TYPE 6F

- Material – Steel or Cast Iron
- Flanges – Steel
- Pitch – 14mm

Code	Material	No. teeth	Type	Dp	De	Df	Dm	F	L	Bore (d)	No. flanges
P28-14M-85F	Steel	28	1F	124.78	122.12	128	100	102	117	24	2
P29-14M-85F	Steel	29	1F	129.23	126.57	138	100	102	117	24	2
P30-14M-85F	Steel	30	1F	133.69	130.99	138	100	102	117	24	2
P32-14M-85F	Steel	32	1F	142.60	139.88	154	100	102	117	24	2
P34-14M-85F	Steel	34	1F	151.52	148.79	160	100	102	117	24	2
P36-14M-85F	Steel	36	1F	160.43	157.68	168	100	102	117	24	2
P38-14M-85F	Steel	38	1F	169.34	166.60	183	120	102	117	32	2
P40-14M-85F	Steel	40	1F	178.25	175.49	188	135	102	117	32	2
P44-14M-85F	Steel	44	1F	196.08	193.28	211	135	102	117	32	2
P48-14M-85F	Cast Iron	48	1F	213.90	211.11	226	150	102	117	32	2
P56-14M-85F	Cast Iron	56	6F	249.55	246.76	256	150	102	102	32	2
P64-14M-85F	Cast Iron	64	6F	285.21	282.41	296	150	102	102	32	2
P72-14M-85	Cast Iron	72	5	320.86	318.06	-	150	102	102	32	-
P80-14M-85	Cast Iron	80	5	356.51	353.71	-	150	102	102	32	-
P90-14M-85	Cast Iron	90	5	401.07	398.28	-	150	102	102	32	-
P112-14M-85	Cast Iron	112	5	499.11	496.32	-	150	102	102	32	-
P144-14M-85	Cast Iron	144	5	641.71	638.92	-	150	102	102	32	-
P168-14M-85	Cast Iron	168	5	748.66	745.87	-	150	102	102	32	-
P192-14M-85	Cast Iron	192	5	855.62	852.82	-	165	102	102	32	-

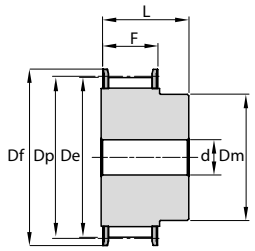
Pilot Bore

Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked pulleys please contact our Manufacturing Department for a quotation.

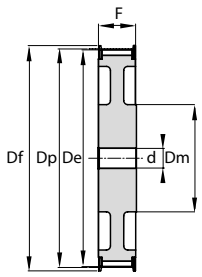
14M HTD Pilot Bore Pulleys - to Suit 115mm Wide Belt

DRIVEFLEX

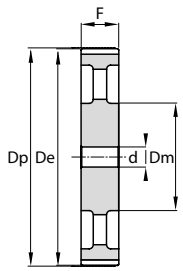
Pilot Bore



TYPE 1F



TYPE 6F



TYPE 5

- Material – Steel or Cast Iron
- Flanges – Steel
- Pitch – 14mm

Code	Material	No. teeth	Type	Dp	De	Df	Dm	F	L	Bore (d)	No. flanges
P28-14M-115F	Steel	28	1F	124.78	122.12	128	100	133	148	32	2
P29-14M-115F	Steel	29	1F	129.23	126.57	138	100	133	148	32	2
P30-14M-115F	Steel	30	1F	133.69	130.99	138	100	133	148	32	2
P32-14M-115F	Steel	32	1F	142.60	139.88	154	100	133	148	32	2
P34-14M-115F	Steel	34	1F	151.52	148.79	160	100	133	148	32	2
P36-14M-115F	Steel	36	1F	160.43	157.68	168	120	133	148	32	2
P38-14M-115F	Steel	38	1F	169.34	166.60	183	120	133	148	32	2
P40-14M-115F	Steel	40	1F	178.25	175.49	188	135	133	148	32	2
P44-14M-115F	Steel	44	1F	196.08	193.28	211	140	133	148	32	2
P48-14M-115F	Cast Iron	48	1F	213.90	211.11	226	150	133	148	32	2
P56-14M-115F	Cast Iron	56	1F	249.55	246.76	256	150	133	148	32	2
P64-14M-115F	Cast Iron	64	6F	285.21	282.41	296	150	133	133	32	2
P72-14M-115	Cast Iron	72	5	320.86	318.06	-	150	133	133	32	-
P80-14M-115	Cast Iron	80	5	356.51	353.71	-	150	133	133	32	-
P90-14M-115	Cast Iron	90	5	401.07	398.28	-	150	133	133	32	-
P112-14M-115	Cast Iron	112	5	499.11	496.32	-	150	133	133	32	-
P144-14M-115	Cast Iron	144	5	641.71	638.92	-	165	133	133	32	-
P168-14M-115	Cast Iron	168	5	748.66	745.87	-	165	133	133	32	-
P192-14M-115	Cast Iron	192	5	855.62	852.82	-	165	133	133	32	-

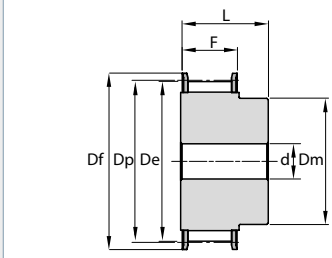
Pilot Bore

Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked pulleys please contact our Manufacturing Department for a quotation.

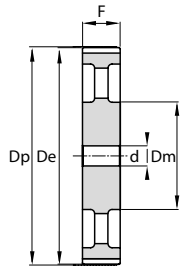
14M HTD Pilot Bore Pulleys - to Suit 170mm Wide Belt

DRIVEFLEX

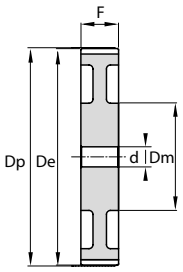
Pilot Bore



TYPE 1F



TYPE 5



TYPE 7

- Material – Steel or Cast Iron
- Flanges – Steel
- Pitch – 14mm

Code	Material	No. teeth	Type	Dp	De	Df	Dm	F	L	Bore (d)	No. flanges
P28-14M-170F	Steel	28	1F	124.78	122.12	128	100	187	202	32	2
P29-14M-170F	Steel	29	1F	129.23	126.57	138	100	187	202	32	2
P30-14M-170F	Steel	30	1F	133.69	130.99	138	100	187	202	32	2
P32-14M-170F	Steel	32	1F	142.60	139.88	154	100	187	202	32	2
P34-14M-170F	Steel	34	1F	151.52	148.79	160	100	187	202	32	2
P36-14M-170F	Steel	36	1F	160.43	157.68	168	120	187	202	32	2
P38-14M-170F	Steel	38	1F	169.34	166.60	183	135	187	202	32	2
P40-14M-170F	Steel	40	1F	178.25	175.49	188	140	187	202	32	2
P44-14M-170F	Steel	44	1F	196.08	193.28	211	160	187	202	32	2
P48-14M-170F	Steel	48	1F	213.90	211.11	226	160	187	202	32	2
P56-14M-170F	Steel	56	1F	249.55	246.76	256	160	187	202	32	2
P64-14M-170F	Steel	64	1F	285.21	282.41	296	180	187	202	32	2
P72-14M-170	Cast Iron	72	7	320.86	318.06	-	180	187	187	32	-
P80-14M-170	Cast Iron	80	7	356.51	353.71	-	180	187	187	32	-
P90-14M-170	Cast Iron	90	5	401.07	398.28	-	180	187	187	38	-
P112-14M-170	Cast Iron	112	5	499.11	496.32	-	200	187	187	38	-
P144-14M-170	Cast Iron	144	5	641.71	638.92	-	220	187	187	38	-
P168-14M-170	Cast Iron	168	5	748.66	745.87	-	220	187	187	38	-
P192-14M-170	Cast Iron	192	5	855.62	852.82	-	220	187	187	38	-

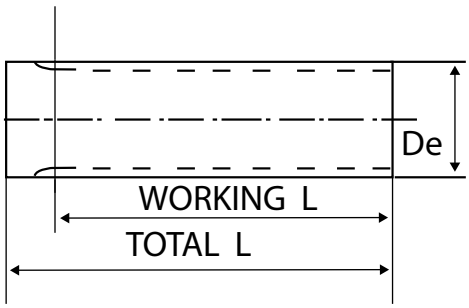
Pilot Bore

Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked pulleys please contact our Manufacturing Department for a quotation.

3M and 5M HTD Bar Stock

DRIVEFLEX

Bar Stock



HTD3, HTD5

- Material – Aluminium

HTD3 Bar Stock

Code	No. teeth	De	L (working)
HTD3-9	9	7.83	75
HTD3-11	11	10.5	75
HTD3-12	12	10.7	100
HTD3-13	13	12.4	100
HTD3-14	14	12.61	100
HTD3-15	15	13.56	100
HTD3-16	16	14.52	125
HTD3-17	17	15.47	125
HTD3-18	18	16.43	125
HTD3-20	20	18.34	150
HTD3-22	22	20.25	150
HTD3-24	24	-	150
HTD3-26	26	24.07	150
HTD 3-27	27	25.8	150
HTD3-28	28	25.98	150
HTD 3-29	29	27.7	150
HTD3-30	30	27.89	150
HTD3-32	32	29.8	175
HTD3-33	33	31.52	175
HTD3-35	35	33.44	200
HTD3-37	37	35.35	200
HTD3-38	38	35.53	200
HTD3-40	40	37.44	200
HTD3-42	42	40.12	200
HTD3-48	48	45.08	200
HTD3-50	50	47.77	200
HTD3-52	52	48.9	200
HTD3-54	54	51.59	200
HTD3-60	60	56.54	200
HTD3-64	64	60.36	200
HTD3-66	66	63.05	200
HTD3-70	70	66.88	200
HTD3-72	72	67.99	200

HTD5 Bar Stock

Code	No. teeth	De	L (working)
HTD5-12	12	17.96	150
HTD5-13	13	19.55	150
HTD5-14	14	21.14	175
HTD5-15	15	22.73	175
HTD5-16	16	24.33	175
HTD5-17	17	25.92	175
HTD5-18	18	27.51	200
HTD5-19	19	29.1	200
HTD5-20	20	30.69	200
HTD5-21	21	32.28	200
HTD5-22	22	33.88	200
HTD5-23	23	35.47	200
HTD5-24	24	37.06	200
HTD5-25	25	38.65	200
HTD5-26	26	40.24	200
HTD5-27	27	41.83	200
HTD5-28	28	43.42	200
HTD5-29	29	45.01	200
HTD5-30	30	46.61	200
HTD5-32	32	49.79	200
HTD5-33	33	51.38	200
HTD5-34	34	52.97	200
HTD5-36	36	56.16	200
HTD5-38	38	59.34	200
HTD5-40	40	62.52	200
HTD5-42	42	65.71	200
HTD5-44	44	68.89	200
HTD5-45	45	70.48	200
HTD5-46	46	72.07	200
HTD5-48	48	75.26	200
HTD5-50	50	78.44	200
HTD5-54	54	84.8	200
HTD5-60	60	94.36	200
HTD5-62	62	97.54	200
HTD5-72	72	113.45	200

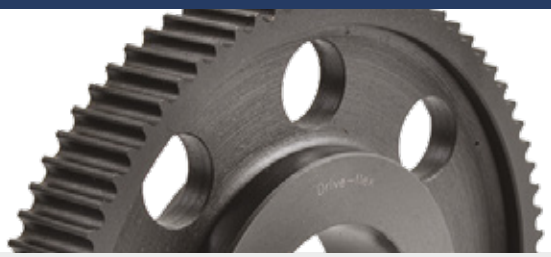
Please note: Other numbers of teeth available upon request. All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation. For special or reworked pulleys please contact our Manufacturing Department for a quotation.

DRIVEFLEX

HTD Series – Taper Bore



- INDUSTRY STANDARD
- HUGE RANGE
- CORRECT PROFILES
- COST EFFECTIVE
- HIGH QUALITY
- HIGH POWER



DRIVEFLEX

HIGH TORQUE DRIVE (HTD) TIMING PULLEYS

TransDev hold a large stock of High Torque Drive (HTD) timing pulleys in pilot bore and taper lock bush type.

High Torque Drive (HTD) timing pulleys

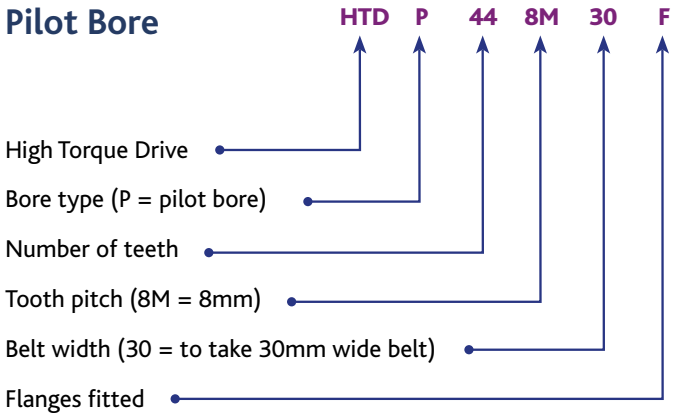
TransDev hold a large stock of High Torque Drive (HTD) timing pulleys in pilot bore type and taper lock bush type. The material used for smaller pulleys is Aluminium, medium sizes are in Steel, larger sizes in Cast Iron, all featuring flanges made from Steel; see individual catalogue pages for specific materials and dimensions. HTD, CXP and CXA belts are all designed to run on these pulleys.

We can rework standard and stock pulleys to suit your individual requirements on pulleys under 400mm diameter.

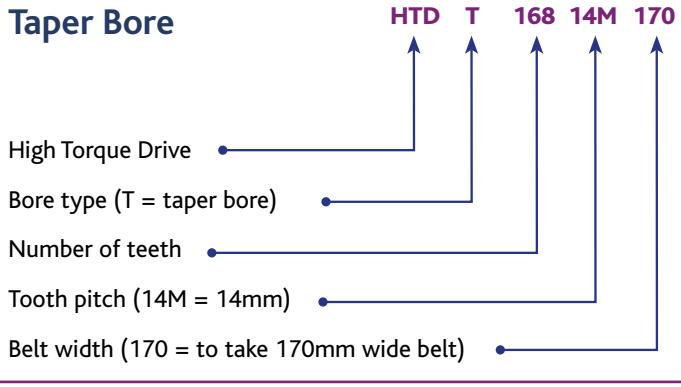
Key to standard pulley diagrams	
Df	Flange diameter
d	Bore diameter
Dp	Pitch diameter
L	Overall width (or length through bore)
De	External diameter of teeth
F	Width over flanges
Dm	Hub diameter

Standard HTD Pulley Order Examples

Pilot Bore



Taper Bore



Special HTD Timing Pulley Ordering Examples

DRIVEFLEX

Special Manufacturing Order Example

Pilot Bore

ST 44 HTD8 30 F 25H7 Dm = 75x10

- Material
- Number of teeth
- Toothform
- Belt width (mm)
- Flanges
- Bore size
- Hub size

Taper Bore

ST 168 HTD14 170 F 5050 TL

- Material
- Number of teeth
- Toothform
- Belt width (mm)
- Flanges
- Taper type

Additional Options for Manufactured Pulleys

Material	
AL	Aluminium
ST	Steel
SS	Stainless Steel
AC	Acetal
NY	Nylon
CI	Cast Iron
BR	Brass

Toothform			
HTD3	RPP3	2MR	CTD8
HTD5	RPP5	3MR	CTD14
HTD8	RPP8	5MR	
HTD14	RPP14	8MR	
HTD20		14MR	

Number of flanges	
F	Two flanges
-1F	One flange, state side relating to hub (important)
-0	No flanges
-FC	Conveyor flanges, reduced diameter
-FBO	Two bolts on flanges

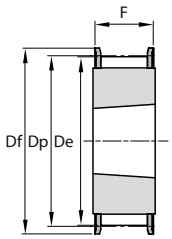
For any feature required, but not listed above please contact sales@transdev.co.uk

5M HTD Taper Bore Pulleys - to Suit 15mm Wide Belt

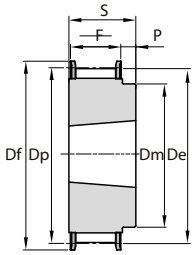
DRIVEFLEX

24 379 72 202 208 958

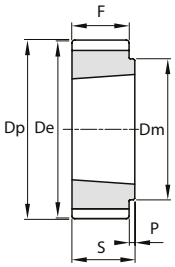
Taper Bore



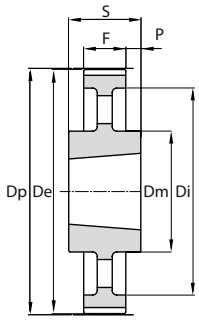
TYPE 1F



TYPE 5F



TYPE 5



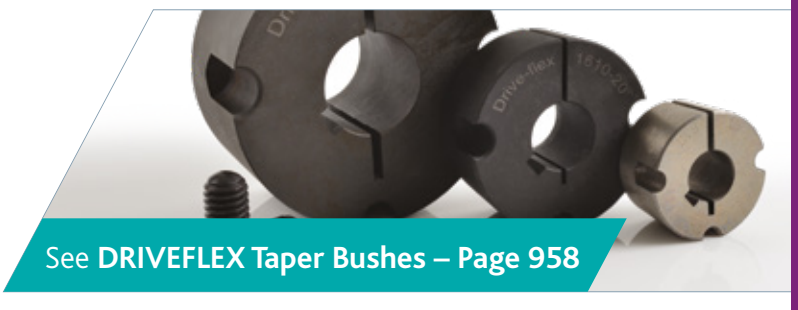
TYPE 13

- Material – Steel
- Flanges – Steel
- Pitch – 5mm

Code	No. teeth	Type	Bush	Dp	De	Df	Dm	Di	F	S	P	No. flanges
TL34-5M-15F	34	1F	1008	54.11	52.97	57	-	-	20.5	22	-	2
TL36-5M-15F	36	1F	1108	57.30	56.15	60	-	-	20.5	22	-	2
TL38-5M-15F	38	1F	1108	60.48	59.34	66	-	-	20.5	22	-	2
TL40-5M-15F	40	1F	1108	63.66	62.52	70	-	-	20.5	22	-	2
TL44-5M-15F	44	1F	1108	70.03	68.89	75	-	-	20.5	22	-	2
TL48-5M-15F	48	5F	1210	76.39	75.25	83	59	-	20.5	25	3	2
TL56-5M-15F	56	5F	1210	89.13	87.99	93	70	-	20.5	25	3	2
TL64-5M-15F	64	5F	1210	101.86	100.72	106	80	-	20.5	25	3	2
TL72-5M-15	72	5	1610	114.59	113.45	-	92	-	20.5	25	3	-
TL80-5M-15	80	5	1610	127.32	126.18	-	92	-	20.5	25	3	-
TL90-5M-15	90	5	1610	143.24	142.10	-	92	-	20.5	25	3	-
TL112-5M-15	112	5	2012	178.25	177.11	-	110	-	20.5	32	12	-
TL136-5M-15	136	13	2012	216.45	215.31	-	110	199	20.5	32	6	-

Taper Bore

Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked pulleys please contact our Manufacturing Department for a quotation.

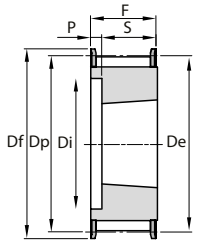


See DRIVEFLEX Taper Bushes – Page 958

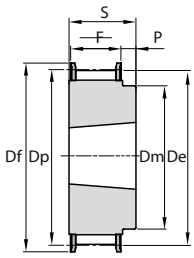
8M HTD Taper Bore Pulleys - to Suit 20mm Wide Belt

DRIVEFLEX

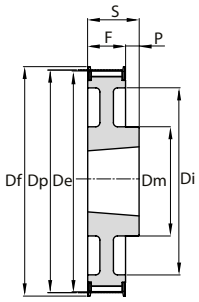
Taper Bore



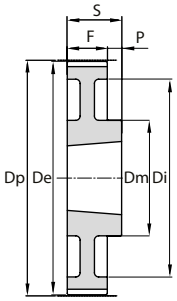
TYPE 2F



TYPE 5F



TYPE 6F



TYPE 7

- Material – Steel or Cast Iron
- Flanges – Steel
- Pitch – 8mm

Code	Material	No. teeth	Type	Bush	Dp	De	Df	Dm	Di	F	S	P	No. flanges
TL22-8M-20F	Steel	22	2F	1008	56.02	54.65	60	-	37	28	22	6	2
TL24-8M-20F	Steel	24	2F	1108	61.12	59.75	66	-	44	28	22	6	2
TL26-8M-20F	Steel	26	2F	1108	66.21	64.85	70	-	45	28	22	6	2
TL28-8M-20F	Steel	28	2F	1108	71.30	70.08	75	-	50	28	22	6	2
TL30-8M-20F	Steel	30	2F	1108	76.39	75.13	83	-	58	28	22	6	2
TL32-8M-20F	Steel	32	2F	1610	81.49	80.16	87	-	63	28	25	3	2
TL34-8M-20F	Steel	34	2F	1610	86.58	85.22	91	-	64	28	25	3	2
TL36-8M-20F	Steel	36	2F	1610	91.67	90.30	97	-	68	28	25	3	2
TL38-8M-20F	Steel	38	2F	1610	96.77	95.39	102	-	72	28	25	3	2
TL40-8M-20F	Steel	40	2F	1610	101.86	100.49	106	-	76	28	25	3	2
TL44-8M-20F	Steel	44	5F	2012	112.05	110.67	120	92	-	28	32	4	2
TL48-8M-20F	Steel	48	5F	2012	122.23	120.86	128	96	-	28	32	4	2
TL56-8M-20F	Steel	56	5F	2012	142.60	141.23	150	110	-	28	32	4	2
TL64-8M-20F	Steel	64	6F	2012	162.97	161.60	168	110	137	28	32	4	2
TL72-8M-20F	Steel	72	6F	2012	183.35	181.97	192	110	158	28	32	4	2
TL80-8M-20	Cast Iron	80	7	2012	203.72	202.35	-	110	180	28	32	4	-
TL90-8M-20	Cast Iron	90	7	2012	229.18	227.81	-	110	204	28	32	4	-

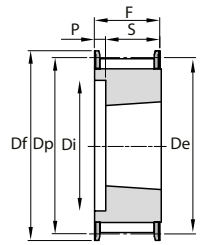
TaperBore

Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked pulleys please contact our Manufacturing Department for a quotation.

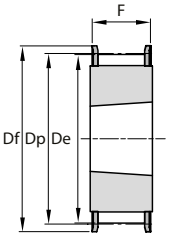
8M HTD Taper Bore Pulleys - to Suit 30mm Wide Belt

DRIVEFLEX

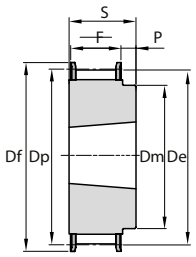
Taper Bore



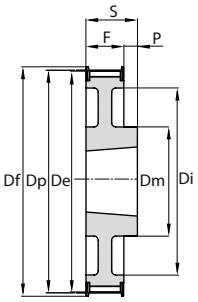
TYPE 2F



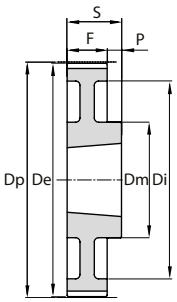
TYPE 1F



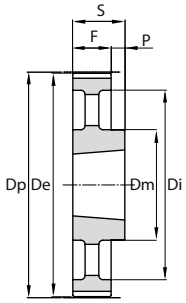
TYPE 5F



TYPE 6F



TYPE 7



TYPE 8

- Material – Steel or Cast Iron
- Flanges – Steel
- Pitch – 8mm

Code	Material	No. teeth	Type	Bush	Dp	De	Df	Dm	Di	F	S	P	No. flanges
TL22-8M-30F	Steel	22	2F	1008	56.02	54.65	60	-	37	38	22	16	2
TL24-8M-30F	Steel	24	2F	1108	61.12	59.75	66	-	44	38	22	16	2
TL26-8M-30F	Steel	26	2F	1108	66.21	64.85	70	-	44	38	22	16	2
TL28-8M-30F	Steel	28	2F	1210	71.30	70.08	75	-	50	38	25	13	2
TL30-8M-30F	Steel	30	1F	1615	76.39	75.13	83	-	-	38	38	-	2
TL32-8M-30F	Steel	32	1F	1615	81.49	80.16	87	-	-	38	38	-	2
TL34-8M-30F	Steel	34	1F	1615	86.58	85.22	91	-	-	38	38	-	2
TL36-8M-30F	Steel	36	1F	1615	91.67	90.30	97	-	-	38	38	-	2
TL38-8M-30F	Steel	38	1F	1615	96.77	95.39	102	-	-	38	38	-	2
TL40-8M-30F	Steel	40	1F	1615	101.86	100.49	106	-	-	38	38	-	2
TL44-8M-30F	Steel	44	2F	2012	112.05	110.67	120	-	86	38	32	6	2
TL48-8M-30F	Steel	48	2F	2012	122.23	120.86	128	-	90	38	32	6	2
TL56-8M-30F	Steel	56	2F	2012	142.60	141.23	150	-	110	38	32	6	2
TL64-8M-30F	Steel	64	5F	2517	162.97	161.60	168	125	-	38	45	7	2
TL72-8M-30F	Steel	72	6F	2517	183.35	181.97	192	125	158	38	45	7	2
TL80-8M-30	Cast Iron	80	7	2517	203.72	202.35	-	125	180	38	45	7	-
TL90-8M-30	Cast Iron	90	7	2517	229.18	227.81	-	125	204	38	45	7	-
TL112-8M-30	Cast Iron	112	7	2517	285.21	283.83	-	125	254	38	45	7	-
TL144-8M-30	Cast Iron	144	8	2517	366.69	365.32	-	125	336	38	45	7	-

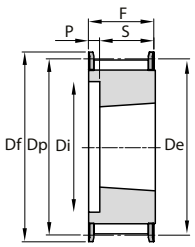
Taper Bore

Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked pulleys please contact our Manufacturing Department for a quotation.

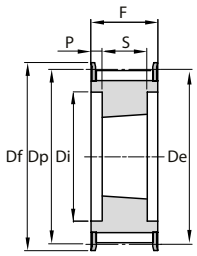
8M HTD Taper Bore Pulleys - to Suit 50mm Wide Belt

DRIVEFLEX

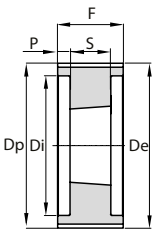
Taper Bore



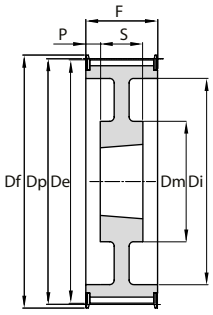
TYPE 2F



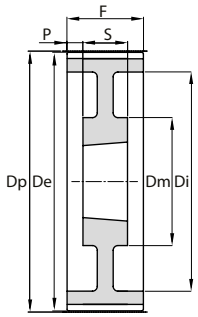
TYPE 3F



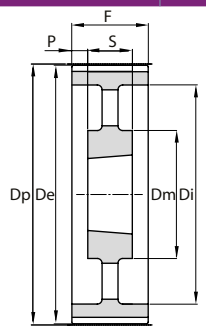
TYPE 4



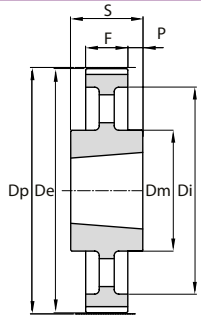
TYPE 10F



TYPE 11



TYPE 12



TYPE 13

- Material – Steel or Cast Iron
- Flanges – Steel
- Pitch – 8mm

Code	Material	No. teeth	Type	Bush	Dp	De	Df	Dm	Di	F	S	P	No. flanges
TL28-8M-50F	Steel	28	2F	1210	71.30	70.08	75	-	50	60	25	35	2
TL30-8M-50F	Steel	30	2F	1615	76.39	75.13	83	-	58	60	38	22	2
TL32-8M-50F	Steel	32	2F	1615	81.49	80.16	87	-	63	60	38	22	2
TL34-8M-50F	Steel	34	2F	1615	86.58	85.22	91	-	65	60	38	22	2
TL36-8M-50F	Steel	36	2F	1615	91.67	90.30	97	-	68	60	38	22	2
TL38-8M-50F	Steel	38	2F	1615	96.77	95.39	102	-	72	60	38	22	2
TL40-8M-50F	Steel	40	3F	2012	101.86	100.49	106	-	80	60	32	14	2
TL44-8M-50F	Steel	44	3F	2012	112.05	110.67	120	-	86	60	32	14	2
TL48-8M-50F	Steel	48	3F	2012	122.23	120.86	128	-	95	60	32	14	2
TL56-8M-50F	Steel	56	3F	2517	142.60	141.23	150	-	116	60	45	7.5	2
TL64-8M-50F	Steel	64	3F	2517	162.97	161.60	168	-	136	60	45	7.5	2
TL72-8M-50F	Steel	72	10F	2517	183.35	181.97	192	125	158	60	45	7.5	2
TL80-8M-50	Cast Iron	80	4	3020	203.72	202.35	-	-	180	60	51	4.5	-
TL90-8M-50	Cast Iron	90	11	3020	229.18	227.81	-	160	204	60	51	4.5	-
TL112-8M-50	Cast Iron	112	11	3020	285.21	283.83	-	170	254	60	51	4.5	-
TL144-8M-50	Cast Iron	144	12	3020	366.69	365.32	-	170	336	60	51	4.5	-
TL168-8M-50	Cast Iron	168	13	3525	427.81	426.44	-	198	395	60	65	2.5	-
TL192-8M-50	Cast Iron	192	13	3525	488.92	487.55	-	198	455	60	65	2.5	-

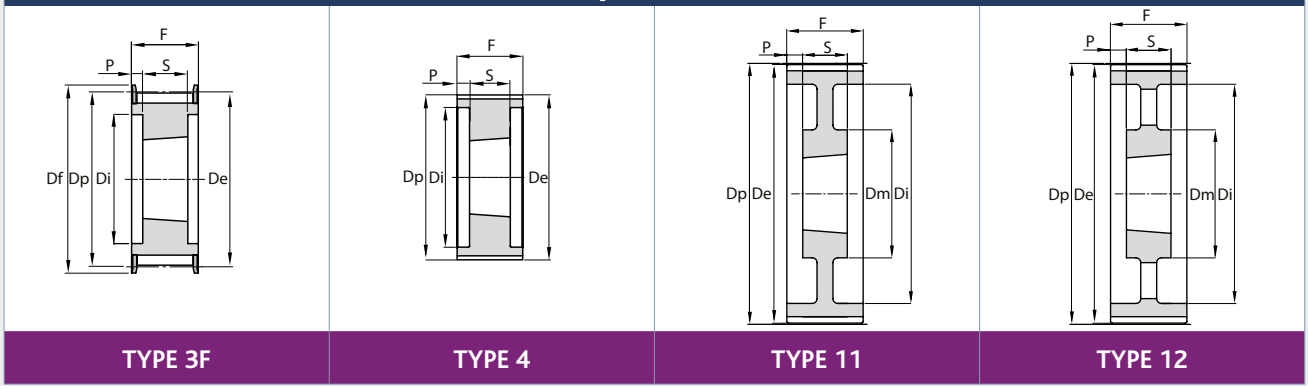
Taper Bore

Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked pulleys please contact our Manufacturing Department for a quotation.

8M HTD Taper Bore Pulleys - to Suit 85mm Wide Belt

DRIVEFLEX

Taper Bore



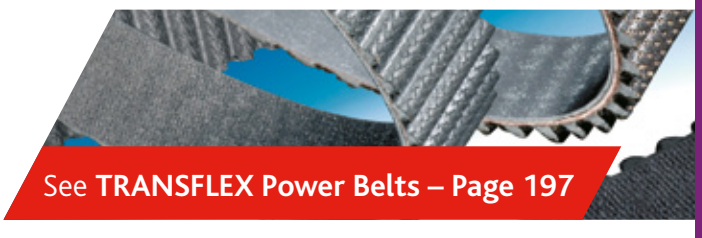
TYPE 3F | TYPE 4 | TYPE 11 | TYPE 12

- Material – Steel or Cast Iron
- Flanges – Steel
- Pitch – 8mm

Code	Material	No. teeth	Type	Bush	Dp	De	Df	Dm	Di	F	S	P	No. flanges
TL34-8M-85F	Steel	34	3F	1615	86.58	85.22	91	-	65	95	38	28.5	2
TL36-8M-85F	Steel	36	3F	1615	91.67	90.30	97	-	68	95	38	28.5	2
TL38-8M-85F	Steel	38	3F	1615	96.77	95.39	102	-	72	95	38	28.5	2
TL40-8M-85F	Steel	40	3F	2012	101.86	100.49	106	-	80	95	32	31.5	2
TL44-8M-85F	Steel	44	3F	2012	112.05	110.67	120	-	86	95	32	31.5	2
TL48-8M-85F	Steel	48	3F	2517	122.23	120.86	128	-	97	95	45	25	2
TL56-8M-85F	Steel	56	3F	2517	142.60	141.23	150	-	116	95	45	25	2
TL64-8M-85F	Steel	64	3F	2517	162.97	161.60	168	-	136	95	45	25	2
TL72-8M-85F	Steel	72	3F	3020	183.35	181.97	192	-	150	95	51	22	2
TL80-8M-85	Cast Iron	80	4	3020	203.72	202.35	-	-	180	95	51	22	-
TL90-8M-85	Cast Iron	90	4	3020	229.18	227.81	-	-	204	95	51	22	-
TL112-8M-85	Cast Iron	112	11	3020	285.21	283.83	-	170	254	95	51	22	-
TL144-8M-85	Cast Iron	144	11	3525	366.69	365.32	-	198	336	95	65	15	-
TL168-8M-85	Cast Iron	168	12	3525	427.81	426.44	-	198	395	95	65	15	-
TL192-8M-85	Cast Iron	192	12	3525	488.92	487.55	-	198	455	95	65	15	-

Taper Bore

Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked pulleys please contact our Manufacturing Department for a quotation.

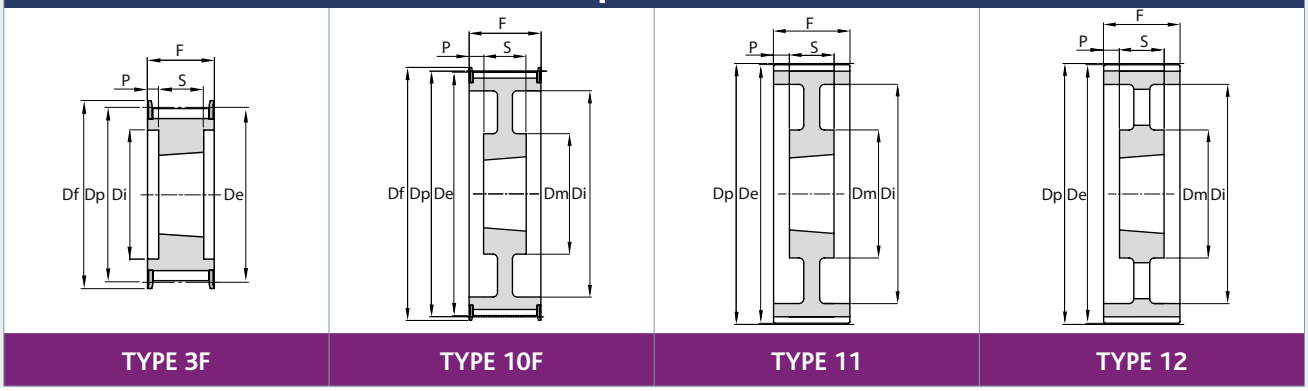


See TRANSFLEX Power Belts – Page 197

14M HTD Taper Bore Pulleys - to Suit 40mm Wide Belt

DRIVEFLEX

Taper Bore



TYPE 3F | TYPE 10F | TYPE 11 | TYPE 12

- Material – Steel or Cast Iron
- Flanges – Steel
- Pitch – 14mm

Code	Material	No.teeth	Type	Bush	Dp	De	Df	Dm	Di	F	S	P	No. flanges
TL28-14M-40F	Steel	28	3F	2012	124.78	122.12	128	-	94	54	32	11	2
TL29-14M-40F	Steel	29	3F	2012	129.23	126.57	138	-	98	54	32	11	2
TL30-14M-40F	Steel	30	3F	2012	133.69	130.99	138	-	98	54	32	11	2
TL32-14M-40F	Steel	32	3F	2012	142.60	139.88	154	-	108	54	32	11	2
TL34-14M-40F	Steel	34	3F	2517	151.52	148.79	160	-	110	54	45	4.5	2
TL36-14M-40F	Steel	36	3F	2517	160.43	157.68	168	-	120	54	45	4.5	2
TL38-14M-40F	Steel	38	3F	2517	169.34	166.60	183	-	130	54	45	4.5	2
TL40-14M-40F	Steel	40	3F	2517	178.25	175.49	188	-	138	54	45	4.5	2
TL44-14M-40F	Steel	44	3F	3020	196.08	193.28	211	-	155	54	51	1.5	2
TL48-14M-40F	Steel	48	3F	3020	213.90	211.11	226	-	170	54	51	1.5	2
TL56-14M-40F	Steel	56	3F	3020	249.55	246.76	256	-	208	54	51	1.5	2
TL64-14M-40F	Cast Iron	64	10F	3020	285.21	282.41	296	170	240	54	51	1.5	2
TL72-14M-40	Cast Iron	72	11	3020	320.86	318.06	-	170	280	54	51	1.5	-
TL80-14M-40	Cast Iron	80	12	3020	356.51	353.71	-	170	315	54	51	1.5	-
TL90-14M-40	Cast Iron	90	12	3020	401.07	398.28	-	170	360	54	51	1.5	-
TL112-14M-40	Cast Iron	112	12	3020	499.11	496.32	-	170	457	54	51	1.5	-
TL144-14M-40	Cast Iron	144	12	3020	641.71	638.92	-	170	600	54	51	1.5	-
TL168-14M-40	Cast Iron	168	12	3020	748.66	745.87	-	170	706	54	51	1.5	-
TL192-14M-40	Cast Iron	192	12	3020	855.62	852.82	-	170	813	54	51	1.5	-

Taper Bore

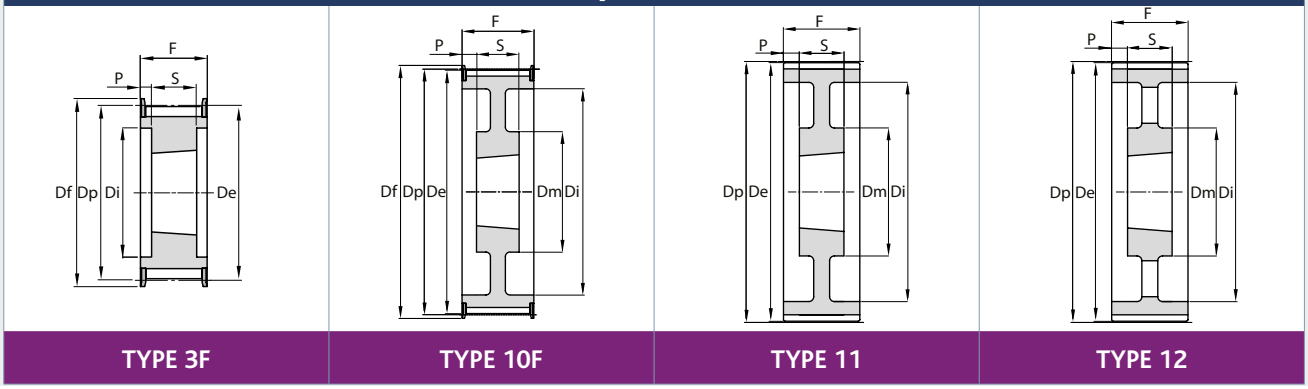
Please note: Additional sizes available on request, but may be subject to longer lead times. All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation. For special or reworked pulleys please contact our Manufacturing Department for a quotation.

14M HTD Taper Bore Pulleys - to Suit 55mm Wide Belt

DRIVEFLEX

24 379 74 206 210 958

Taper Bore



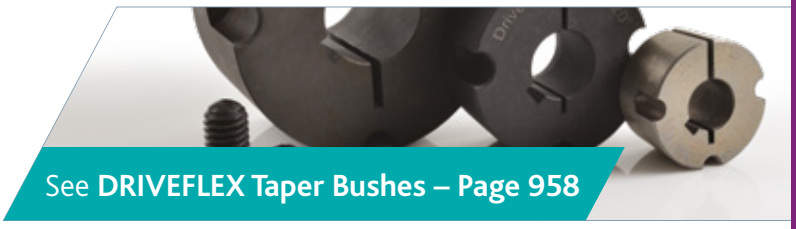
TYPE 3F	TYPE 10F	TYPE 11	TYPE 12

- Material – Steel or Cast Iron
- Flanges – Steel
- Pitch – 14mm

Code	Material	No. teeth	Type	Bush	Dp	De	Df	Dm	Di	F	S	P	No. flanges
TL28-14M-55F	Steel	28	3F	2012	124.78	122.12	128	-	94	70	32	19	2
TL29-14M-55F	Steel	29	3F	2012	129.23	126.57	138	-	100	70	32	19	2
TL30-14M-55F	Steel	30	3F	2517	133.69	130.99	138	-	100	70	45	12.5	2
TL32-14M-55F	Steel	32	3F	2517	142.60	139.88	154	-	108	70	45	12.5	2
TL34-14M-55F	Steel	34	3F	2517	151.52	148.79	160	-	110	70	45	12.5	2
TL36-14M-55F	Steel	36	3F	2517	160.43	157.68	168	-	120	70	45	12.5	2
TL38-14M-55F	Steel	38	3F	2517	169.34	166.60	183	-	130	70	45	12.5	2
TL40-14M-55F	Steel	40	3F	2517	178.25	175.49	188	-	138	70	45	12.5	2
TL44-14M-55F	Steel	44	3F	3020	196.08	193.28	211	-	155	70	51	9.5	2
TL48-14M-55F	Steel	48	3F	3020	213.90	211.11	226	-	170	70	51	9.5	2
TL56-14M-55F	Steel	56	3F	3020	249.55	246.76	256	-	208	70	51	9.5	2
TL64-14M-55F	Cast Iron	64	10F	3020	285.21	282.41	296	170	240	70	51	9.5	2
TL72-14M-55	Cast Iron	72	11	3020	320.86	318.06	-	170	280	70	51	9.5	-
TL80-14M-55	Cast Iron	80	12	3020	356.51	353.71	-	170	315	70	51	9.5	-
TL90-14M-55	Cast Iron	90	12	3020	401.07	398.28	-	170	360	70	51	9.5	-
TL112-14M-55	Cast Iron	112	12	3020	499.11	496.32	-	170	457	70	51	9.5	-
TL144-14M-55	Cast Iron	144	12	3020	641.71	638.92	-	170	600	70	51	9.5	-
TL168-14M-55	Cast Iron	168	12	3020	748.66	745.87	-	170	706	70	51	9.5	-
TL192-14M-55	Cast Iron	192	12	3020	855.62	852.82	-	170	813	70	51	9.5	-

Taper Bore

Please note: Additional sizes available on request, but may be subject to longer lead times. All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation. For special or reworked pulleys please contact our Manufacturing Department for a quotation.

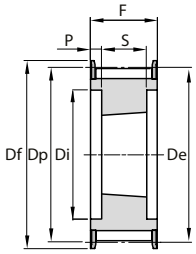


See DRIVEFLEX Taper Bushes – Page 958

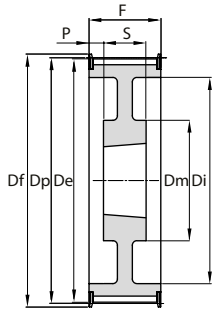
14M HTD Taper Bore Pulleys - to Suit 85mm Wide Belt

DRIVEFLEX

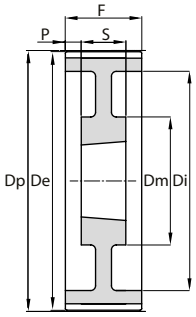
Taper Bore



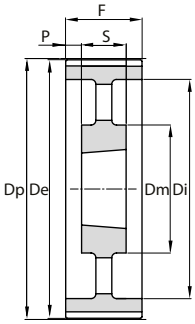
TYPE 3F



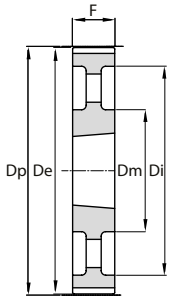
TYPE 10F



TYPE 11



TYPE 12



TYPE 9

- Material – Steel or Cast Iron
- Flanges – Steel
- Pitch – 14mm

Code	Material	No.teeth	Type	Bush	Dp	De	Df	Dm	Di	F	S	P	No. flanges
TL28-14M-85F	Steel	28	3F	2517	124.78	122.12	128	-	98	102	45	28.5	2
TL29-14M-85F	Steel	29	3F	2517	129.23	126.57	138	-	100	102	45	28.5	2
TL30-14M-85F	Steel	30	3F	2517	133.69	130.99	138	-	100	102	45	28.5	2
TL32-14M-85F	Steel	32	3F	2517	142.60	139.88	154	-	108	102	45	28.5	2
TL34-14M-85F	Steel	34	3F	2517	151.52	148.79	160	-	110	102	45	28.5	2
TL36-14M-85F	Steel	36	3F	3020	160.43	157.68	168	-	125	102	51	25.5	2
TL38-14M-85F	Steel	38	3F	3020	169.34	166.60	183	-	130	102	51	25.5	2
TL40-14M-85F	Steel	40	3F	3020	178.25	175.49	188	-	138	102	51	25.5	2
TL44-14M-85F	Steel	44	3F	3020	196.08	193.28	211	-	153	102	51	25.5	2
TL48-14M-85F	Steel	48	3F	3020	213.90	211.11	226	-	171	102	51	25.5	2
TL56-14M-85F	Steel	56	3F	3525	249.55	246.76	256	-	210	102	65	18.5	2
TL64-14M-85F	Cast Iron	64	10F	3525	285.21	282.41	296	190	240	102	65	18.5	2
TL72-14M-85	Cast Iron	72	11	3525	320.86	318.06	-	190	280	102	65	18.5	-
TL80-14M-85	Cast Iron	80	12	3525	356.51	353.71	-	190	315	102	65	18.5	-
TL90-14M-85	Cast Iron	90	12	3525	401.07	398.28	-	190	360	102	65	18.5	-
TL112-14M-85	Cast Iron	112	12	3525	499.11	496.32	-	190	457	102	65	18.5	-
TL144-14M-85	Cast Iron	144	12	3525	641.71	638.92	-	190	600	102	65	18.5	-
TL168-14M-85	Cast Iron	168	12	3525	748.66	745.87	-	190	706	102	65	18.5	-
TL192-14M-85	Cast Iron	192	9	4040	855.62	852.82	-	230	813	102	102	-	-

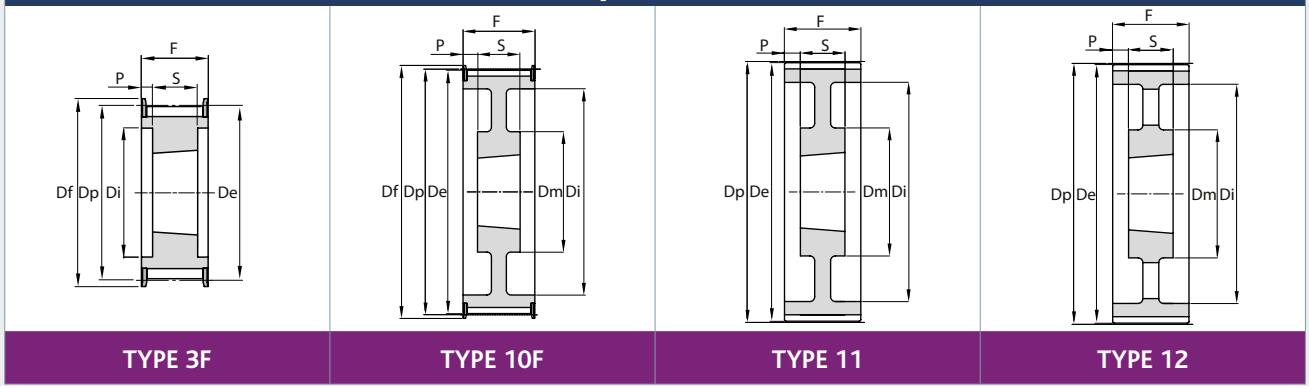
TaperBore

Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked pulleys please contact our Manufacturing Department for a quotation.

14M HTD Taper Bore Pulleys - to Suit 115mm Wide Belt

DRIVEFLEX

Taper Bore



TYPE 3F | TYPE 10F | TYPE 11 | TYPE 12

- Material – Steel or Cast Iron
- Flanges – Steel
- Pitch – 14mm

Code	Material	No. teeth	Type	Bush	Dp	De	Df	Dm	Di	F	S	P	No. flanges
TL28-14M-115F	Steel	28	3F	2517	124.78	122.12	128	-	98	133	45	44	2
TL29-14M-115F	Steel	29	3F	2517	129.23	126.57	138	-	100	133	45	44	2
TL30-14M-115F	Steel	30	3F	2517	133.69	130.99	138	-	100	133	45	44	2
TL32-14M-115F	Steel	32	3F	2517	142.60	139.88	154	-	108	133	45	44	2
TL34-14M-115F	Steel	34	3F	2517	151.52	148.79	160	-	110	133	45	44	2
TL36-14M-115F	Steel	36	3F	3020	160.43	157.68	168	-	125	133	51	41	2
TL38-14M-115F	Steel	38	3F	3020	169.34	166.60	183	-	130	133	51	41	2
TL40-14M-115F	Steel	40	3F	3020	178.25	175.49	188	-	138	133	51	41	2
TL44-14M-115F	Steel	44	3F	3030	196.08	193.28	211	-	155	133	76	28.5	2
TL48-14M-115F	Steel	48	3F	3030	213.90	211.11	226	-	170	133	76	28.5	2
TL56-14M-115F	Steel	56	3F	3535	249.55	246.76	256	-	210	133	89	22	2
TL64-14M-115F	Cast Iron	64	10F	3535	285.21	282.41	296	190	240	133	89	22	2
TL72-14M-115	Cast Iron	72	11	3535	320.86	318.06	-	190	280	133	89	22	-
TL80-14M-115	Cast Iron	80	12	3535	356.51	353.71	-	190	315	133	89	22	-
TL90-14M-115	Cast Iron	90	12	3535	401.07	398.28	-	190	360	133	89	22	-
TL112-14M-115	Cast Iron	112	12	3535	499.11	496.32	-	190	457	133	89	22	-
TL144-14M-115	Cast Iron	144	12	4040	641.71	638.92	-	230	600	133	102	15.5	-
TL168-14M-115	Cast Iron	168	12	4040	748.66	745.87	-	230	706	133	102	15.5	-
TL192-14M-115	Cast Iron	192	12	4040	855.62	852.82	-	230	813	133	102	15.5	-

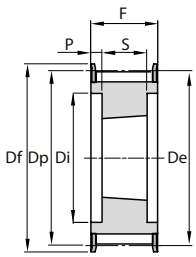
Taper Bore

Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked pulleys please contact our Manufacturing Department for a quotation.

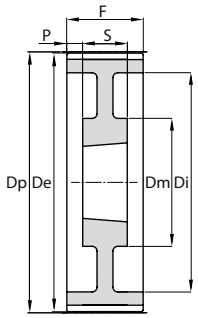
14M HTD Taper Bore Pulleys - to Suit 170mm Wide Belt

DRIVEFLEX

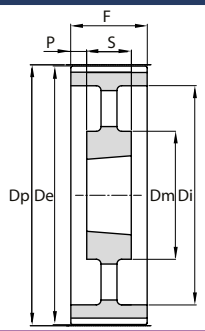
Taper Bore



TYPE 3F



TYPE 11



TYPE 12

- Material – Steel or Cast Iron
- Flanges – Steel
- Pitch – 14mm

Code	Material	No.teeth	Type	Bush	Dp	De	Df	Dm	Di	F	S	P	No. flanges
TL38-14M-170F	Steel	38	3F	3030	169.34	166.60	183	-	130	187	76	55.5	2
TL40-14M-170F	Steel	40	3F	3030	178.25	175.49	188	-	138	187	76	55.5	2
TL44-14M-170F	Steel	44	3F	3535	196.08	193.28	211	-	155	187	89	49	2
TL48-14M-170F	Steel	48	3F	3535	213.90	211.11	226	-	175	187	89	49	2
TL56-14M-170F	Cast Iron	56	3F	3535	249.55	246.76	256	-	210	187	89	49	2
TL64-14M-170F	Cast Iron	64	3F	4040	285.21	282.41	296	-	240	187	102	42.5	2
TL72-14M-170	Cast Iron	72	11	4040	320.86	318.06	-	230	280	187	102	42.5	-
TL80-14M-170	Cast Iron	80	11	4040	356.51	353.71	-	230	315	187	102	42.5	-
TL90-14M-170	Cast Iron	90	12	4040	401.07	398.28	-	230	360	187	102	42.5	-
TL112-14M-170	Cast Iron	112	12	5050	499.11	496.32	-	265	457	187	127	30	-
TL144-14M-170	Cast Iron	144	12	5050	641.71	638.92	-	265	600	187	127	30	-
TL168-14M-170	Cast Iron	168	12	5050	748.66	745.87	-	265	706	187	127	30	-
TL192-14M-170	Cast Iron	192	12	5050	855.62	852.82	-	265	813	187	127	30	-

TaperBore

Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked pulleys please contact our Manufacturing Department for a quotation.



See HTD PU Belts – Page 69

DRIVEFLEX

SYNCHROCHAIN® CTD & POLY CHAIN® Series



- INDUSTRY STANDARD
- HUGE RANGE
- CORRECT PROFILES
- COST EFFECTIVE
- HIGH QUALITY
- HIGH POWER



DRIVEFLEX

SYNCHROCHAIN® & POLY CHAIN® PULLEYS

TransDev supply a range of timing pulleys to suit Synchrochain® and Poly chain® in pilot bore and taper lock bush type

Synchrochain® and poly chain® timing pulleys

TransDev supply a range of timing pulleys to suit Synchrochain® and Poly chain® in pilot bore and taper lock bush type. Materials can be in either Steel or Cast Iron with Steel flanges, see individual catalogue pages for specific materials and dimensions.

We can rework standard and stock pulleys to suit your individual requirements on pulleys under 400mm diameter.

Key to standard pulley diagrams	
Df	Flange diameter
d	Bore diameter
Dp	Pitch diameter
L	Overall width (or length through bore)
De	External diameter of teeth
F	Width over flanges
Dm	Hub diameter

Standard SYNCHROCHAIN/POLY CHAIN Pulley Order Examples

Pilot Bore

PB 22 C8M 21 F

- Bore type (PB = pilot bore)
- Number of teeth
- Tooth pitch (C8M = 8mm)
- Belt width (21 = to take 21mm wide belt)
- Flanges fitted

Taper Bore

T 112 C14M 90

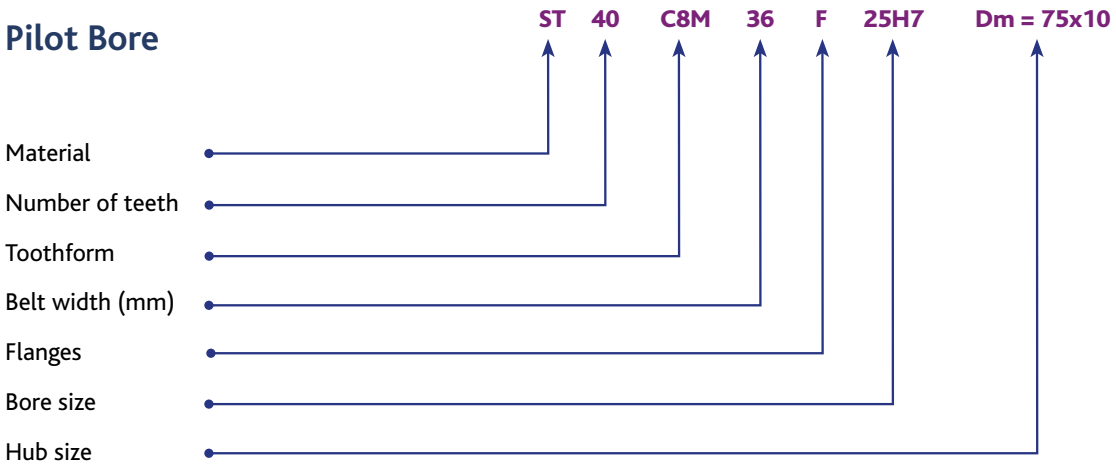
- Bore type (T = taper bore)
- Number of teeth
- Tooth pitch (C14M = 14mm)
- Belt width (90 = to take 90mm wide belt)



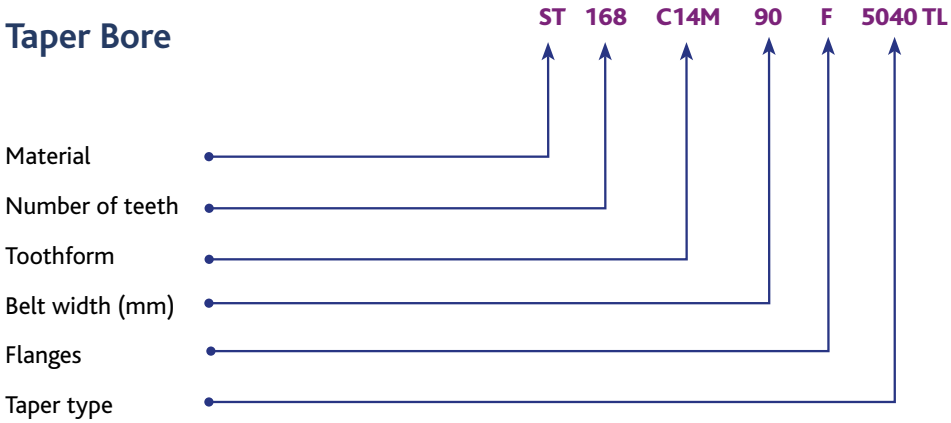
Special SYNCHROCHAIN®/POLY CHAIN® Timing Pulley Ordering Examples

Special Manufacturing Order Example

Pilot Bore



Taper Bore



Additional Options for Manufactured Pulleys

Material	
AL	Aluminium
ST	Steel
SS	Stainless Steel
AC	Acetal
NY	Nylon
CI	Cast Iron
BR	Brass

Toothform
CTD8M
CTD14M
POLY CHAIN® 8M
POLY CHAIN® 14M

Number of flanges	
F	Two flanges
-1F	One flange, state side relating to hub (important)
-0	No flanges
-FC	Conveyor flanges, reduced diameter
-FBO	Two bolts on flanges

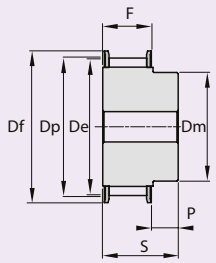
For any feature required, but not listed above please contact: sales@transdev.co.uk

C8M Pulleys - to Suit 12mm Wide Belt (SYNCHROCHAIN® or POLY CHAIN®)

24 392 90 92 216 957

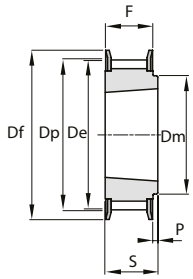
DRIVEFLEX

Pilot Bore

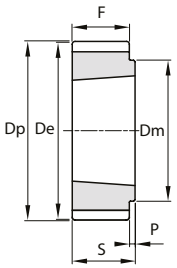


TYPE 1F

Taper Bore



TYPE 2F



TYPE 2

- Material – Steel
- Flanges – Steel
- Pitch – 8mm

SYNCHROCHAIN® Code	POLYCHAIN® Code	Material	No. teeth	Type	Bush no.	Max. bore (metric)	Diameters (mm)			Di	Dm	F	P	S
							Dp	De	Df					
22-C8M-12	8M-22S-12	Steel	22	1F	PB =12.7	28	56.02	54.42	60	-	43	20	10	30
25-C8M-12	8M-25S-12	Steel	25	2F	1108	28	63.66	62.06	70	-	49	20	2	22
28-C8M-12	8M-28S-12	Steel	28	2F	1108	28	71.30	69.70	75	-	56	20	2	22
30-C8M-12	8M-30S-12	Steel	30	2F	1210	32	76.39	74.79	82.50	-	60	20	5	25
32-C8M-12	8M-32S-12	Steel	32	2F	1610	42	81.49	79.89	87	-	66	20	5	25
34-C8M-12	8M-34S-12	Steel	34	2F	1610	42	86.58	84.98	91	-	69	20	5	25
36-C8M-12	8M-36S-12	Steel	36	2F	1610	42	91.67	90.07	97	-	76	20	5	25
38-C8M-12	8M-38S-12	Steel	38	2F	1610	42	96.77	95.17	102	-	78	20	5	25
40-C8M-12	8M-40S-12	Steel	40	2F	1610	42	101.86	100.26	106	-	85	20	5	25
45-C8M-12	8M-45S-12	Steel	45	2F	2012	50	114.59	112.99	120	-	92	20	12	32
48-C8M-12	8M-48S-12	Steel	48	2F	2012	50	122.23	120.63	128	-	103	20	12	32
50-C8M-12	8M-50S-12	Steel	50	2F	2012	50	127.32	125.72	135	-	104	20	12	32
56-C8M-12	8M-56S-12	Steel	56	2F	2012	50	142.60	141.00	150	-	104	20	12	32
60-C8M-12	8M-60S-12	Steel	60	2F	2012	50	152.79	151.19	158	-	111	20	12	32
64-C8M-12	8M-64S-12	Steel	64	2F	2012	50	162.97	161.37	168	-	111	20	12	32
75-C8M-12	8M-75S-12	Steel	75	2	2012	50	190.99	189.39	-	-	111	20	12	32
80-C8M-12	8M-80S-12	Steel	80	2	2012	50	203.72	202.12	-	-	111	20	12	32
90-C8M-12	8M-90S-12	Steel	90	2	2012	50	229.18	227.58	-	-	111	20	12	32

TaperBore

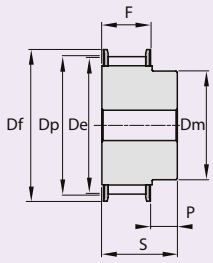
PB= Pilot Bore
Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked pulleys please contact our Manufacturing Department for a quotation.

C8M Pulleys - to Suit 21mm Wide Belt (SYNCHROCHAIN® or POLY CHAIN®)

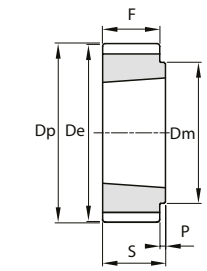
DRIVEFLEX

24 392 90 92 216 957

Pilot Bore

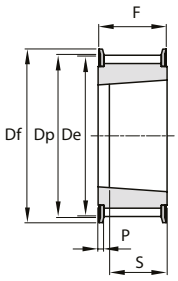


TYPE 1F

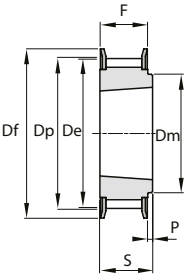


TYPE 2

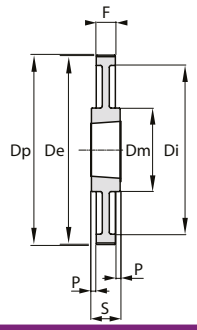
Taper Bore



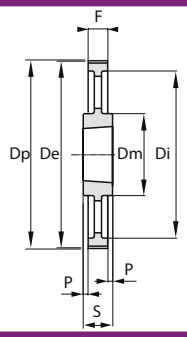
TYPE 3F



TYPE 2F



TYPE 9



TYPE 10

- Material – Steel and Cast Iron
- Flanges – Steel
- Pitch – 8mm

SYNCHROCHAIN® Code	POLYCHAIN® Code	Material	No. teeth	Type	Bush no.	Max. bore (metric)	Diameters (mm)			DI	DM	F	P	S
							DP	DE	DF					
22-C8M-21	8M-22S-21	Steel	22	1F	PB=12.7	28	56.02	54.42	60	-	43	30	12	42
25-C8M-21	8M-25S-21	Steel	25	3F	1108	28	63.66	62.06	70	-	-	30	8	22
28-C8M-21	8M-28S-21	Steel	28	3F	1210	32	71.30	69.70	75	-	-	30	5	25
30-C8M-21	8M-30S-21	Steel	30	3F	1210	32	76.39	74.79	82.50	-	-	30	5	25
32-C8M-21	8M-32S-21	Steel	32	3F	1610	42	81.49	79.89	87	-	-	30	5	25
34-C8M-21	8M-34S-21	Steel	34	3F	1610	42	86.58	84.98	91	-	-	20	5	25
36-C8M-21	8M-36S-21	Steel	36	3F	1610	42	91.67	90.07	97	-	-	30	5	25
38-C8M-21	8M-38S-21	Steel	38	3F	1610	42	96.77	95.17	102	-	-	30	5	25
40-C8M-21	8M-40S-21	Steel	40	3F	1610	42	101.86	100.26	106	-	-	30	5	25
45-C8M-21	8M-45S-21	Steel	45	2F	2012	50	114.59	112.99	120	-	92	30	2	32
48-C8M-21	8M-48S-21	Steel	48	2F	2012	50	122.23	120.63	128	-	103	30	2	32
50-C8M-21	8M-50S-21	Steel	50	2F	2012	50	127.32	125.72	135	-	104	30	2	32
56-C8M-21	8M-56S-21	Steel	56	2F	2012	50	142.60	141.00	150	-	111	30	2	32
60-C8M-21	8M-60S-21	Steel	60	2F	2517	60	152.79	151.19	158	-	124	30	15	45
64-C8M-21	8M-64S-21	Steel	64	2F	2517	60	162.97	161.37	168	-	124	30	15	45
75-C8M-21	8M-75S-21	Steel	75	2	2517	60	190.99	189.39	-	-	124	30	15	45
80-C8M-21	8M-80S-21	Steel	80	2	2517	60	203.72	202.12	-	-	124	30	15	45
90-C8M-21	8M-90S-21	Steel	90	9	2517	60	229.18	227.58	-	198	124	30	7.5	45
112-C8M-21	8M-112S-21	Steel	112	9	2517	60	285.21	283.61	-	253	124	30	7.5	45
140-C8M-21	8M-140S-21	Cast Iron	140	10	3020	75	365.51	354.91	-	324	150	30	10.5	51

TaperBore

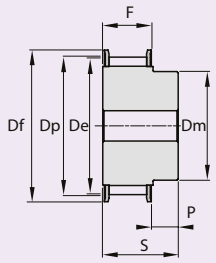
PB= Pilot Bore
Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked pulleys please contact our Manufacturing Department for a quotation.

C8M Pulleys - to Suit 36mm Wide Belt (SYNCHROCHAIN® or POLY CHAIN®)

90 92 216 957

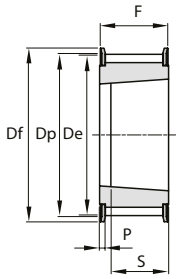
DRIVEFLEX

Pilot Bore

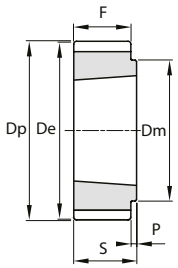


TYPE 1F

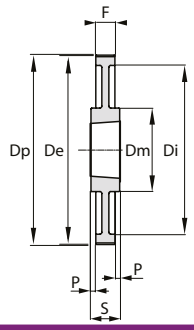
Taper Bore



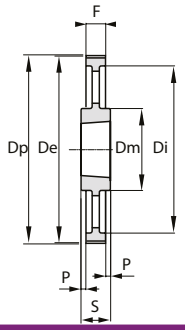
TYPE 3F



TYPE 2



TYPE 9



TYPE 10

- Material – Steel and Cast Iron
- Flanges – Steel
- Pitch – 8mm

SYNCHROCHAIN® Code	POLYCHAIN® Code	Material	No. teeth	Type	Bush no.	Max .bore (metric)	Diameters (mm)			DI	DM	F	P	S
							DP	DE	DF					
25-C8M-36	8M-25S-36	Steel	25	1F	PB=12.7	32	63.66	62.06	70	-	49	45	10	55
28-C8M-36	8M-28S-36	Steel	28	3F	1210	32	71.30	69.70	75	-	-	45	20	25
30-C8M-36	8M-30S-36	Steel	30	3F	1610	42	76.39	74.79	82.5	-	-	45	20	25
32-C8M-36	8M-32S-36	Steel	32	3F	1610	42	81.49	79.89	87	-	-	45	20	25
34-C8M-36	8M-34S-36	Steel	34	3F	1610	42	86.58	84.98	91	-	-	45	20	25
36-C8M-36	8M-36S-36	Steel	36	3F	1610	42	91.67	90.07	97	-	-	45	20	25
38-C8M-36	8M-38S-36	Steel	38	3F	1610	42	96.77	95.17	102	-	-	45	20	25
40-C8M-36	8M-40S-36	Steel	40	3F	2012	50	101.86	100.26	106	-	-	45	13	32
45-C8M-36	8M-45S-36	Steel	45	3F	2012	50	114.59	112.99	120	-	-	45	13	32
48-C8M-36	8M-48S-36	Steel	48	3F	2012	50	122.23	120.63	128	-	-	45	13	32
50-C8M-36	8M-50S-36	Steel	50	3F	2012	50	127.32	125.72	135	-	-	45	13	32
56-C8M-36	8M-56S-36	Steel	56	3F	2517	60	142.60	141.00	150	-	-	45	-	45
60-C8M-36	8M-60S-36	Steel	60	3F	2517	60	152.79	151.19	158	-	-	45	-	45
64-C8M-36	8M-64S-36	Steel	64	3F	2517	60	162.97	161.37	168	-	-	45	-	45
75-C8M-36	8M-75S-36	Steel	75	2	3020	75	190.99	189.39	-	-	150	45	6	51
80-C8M-36	8M-80S-36	Steel	80	2	3020	75	203.72	202.12	-	-	150	45	6	51
90-C8M-36	8M-90S-36	Steel	90	9	3020	75	229.18	227.58	-	197	150	45	3	51
112-C8M-36	8M-112S-36	Steel	112	9	3020	75	285.21	283.61	-	253	150	45	3	51
140-C8M-36	8M-140S-36	Cast Iron	140	10	3020	75	356.51	354.91	-	324	150	45	3	51
168-C8M-36	8M-168S-36	Cast Iron	168	10	3525	100	427.81	426.21	-	396	198	45	10	65
192-C8M-36	8M-192S-36	Cast Iron	192	10	3525	100	488.92	487.32	-	457	198	45	10	65

Taper Bore

PB= Pilot Bore
Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked pulleys please contact our Manufacturing Department for a quotation.

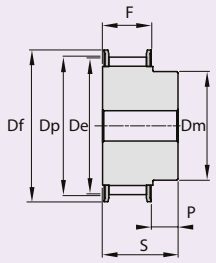
24hr Breakdown available
Customisable product
Product code builder
Compatible product

C8M Pulleys - to Suit 62mm Wide Belt (SYNCHROCHAIN® or POLY CHAIN®)

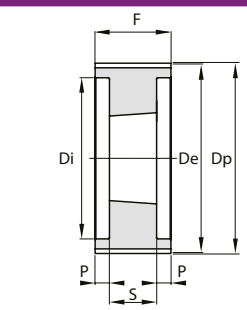
DRIVEFLEX

24 392 90 92 216 957

Pilot Bore

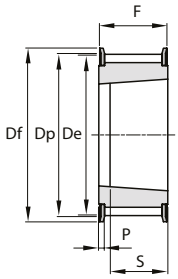


TYPE 1F

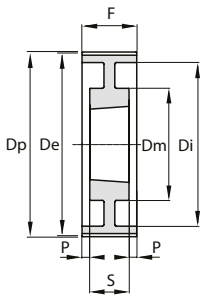


TYPE 6

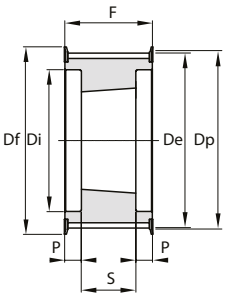
Taper Bore



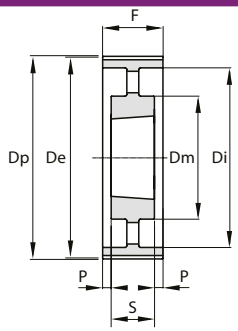
TYPE 3F



TYPE 7



TYPE 6F



TYPE 8

- Material – Steel and Cast Iron
- Flanges – Steel
- Pitch – 8mm

SYNCHROCHAIN® Code	POLYCHAIN® Code	Material	No. teeth	Type	Bush no.	Max .bore (metric)	Diameters (mm)			DI	DM	F	P	S
							DP	DE	DF					
30-C8M-62	8M-30S-62	Steel	30	1F	PB = 25.4	42	76.39	74.79	82.50	-	63	72	12	84
32-C8M-62	8M-32S-62	Steel	32	1F	PB = 25.4	50	81.49	79.89	87	-	68	72	12	84
34-C8M-62	8M-34S-62	Steel	34	1F	PB = 25.4	55	86.58	84.98	91	-	69	72	12	84
36-C8M-62	8M-36S-62	Steel	36	1F	PB = 25.4	60	91.67	90.07	97	-	76	72	12	84
38-C8M-62	8M-38S-62	Steel	38	1F	PB = 25.4	60	96.77	95.17	102	-	78	72	12	84
40-C8M-62	8M-40S-62	Steel	40	3F	2012	50	101.86	100.26	106	-	-	72	40	32
45-C8M-62	8M-45S-62	Steel	45	3F	2012	50	114.59	112.99	120	-	-	72	40	32
48-C8M-62	8M-48S-62	Steel	48	3F	2517	60	122.23	120.63	128	-	-	72	27	45
50-C8M-62	8M-50S-62	Steel	50	3F	2517	60	127.32	125.72	135	-	-	72	27	45
56-C8M-62	8M-56S-62	Steel	56	6F	2517	60	142.60	141.00	150	111	-	72	13.5	45
60-C8M-62	8M-60S-62	Steel	60	6F	2517	60	152.79	151.19	158	121	-	72	13.5	45
64-C8M-62	8M-64S-62	Steel	64	6F	2517	60	162.97	161.37	168	131	-	72	13.5	45
75-C8M-62	8M-75S-62	Steel	75	6	3020	75	190.99	189.39	-	159	-	72	10.5	51
80-C8M-62	8M-80S-62	Steel	80	6	3020	75	203.72	202.12	-	172	-	72	10.5	51
90-C8M-62	8M-90S-62	Steel	90	6	3020	75	229.18	227.58	-	197	-	72	10.5	51
112-C8M-62	8M-112S-62	Steel	112	7	3020	75	285.21	283.61	-	253	150	72	10.5	51
140-C8M-62	8M-140S-62	Cast Iron	140	7	3525	100	365.51	354.91	-	324	198	72	3.5	65
168-C8M-62	8M-168S-62	Cast Iron	168	8	3525	100	427.81	426.21	-	396	198	72	3.5	65
192-C8M-62	8M-192S-62	Cast Iron	192	8	3525	100	488.92	487.32	-	457	198	72	3.5	65

Pilot Bore
Taper Bore

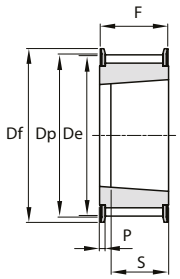
PB= Pilot Bore
Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked pulleys please contact our Manufacturing Department for a quotation.

C14M Pulleys - to Suit 20mm Wide Belt (SYNCHROCHAIN® or POLY CHAIN®)

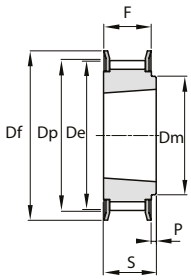
24 392 91 93 216 957

DRIVEFLEX

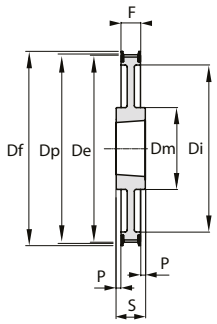
Taper Bore



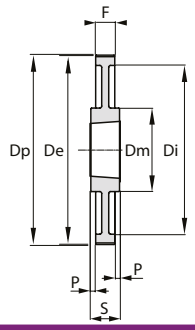
TYPE 3F



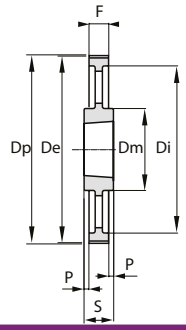
TYPE 2F



TYPE 9F



TYPE 9



TYPE 10

- Material – Steel and Cast Iron
- Flanges – Steel
- Pitch – 14mm

SYNCHROCHAIN® Code	POLYCHAIN® Code	Material	No. teeth	Type	Bush no.	Max .bore (metric)	Diameters (mm)			DI	DM	F	P	S
							DP	DE	DF					
28-C14M-20	14M-28S-20	Steel	28	3F	2012	50	124.78	121.98	128	-	-	33	-	33
30-C14M-20	14M-28S-20	Steel	30	3F	2012	50	133.69	130.89	138	-	-	33	-	33
32-C14M-20	14M-28S-20	Steel	32	3F	2012	50	142.60	139.80	154	-	-	33	-	33
34-C14M-20	14M-28S-20	Steel	34	2F	2517	60	151.52	148.72	160	-	117	33	12	45
36-C14M-20	14M-28S-20	Steel	36	2F	2517	60	160.43	157.63	168	-	117	33	12	45
38-C14M-20	14M-28S-20	Steel	38	2F	2517	60	169.34	166.54	183	-	117	33	12	45
40-C14M-20	14M-28S-20	Steel	40	2F	2517	60	178.25	175.45	188	-	117	33	12	45
44-C14M-20	14M-28S-20	Steel	44	2F	3020	75	196.08	193.28	211	-	144	33	18	51
48-C14M-20	14M-28S-20	Steel	48	2F	3020	75	213.90	211.11	226	-	144	33	18	51
50-C14M-20	14M-28S-20	Steel	50	2F	3020	75	222.82	220.02	240	-	144	33	18	51
56-C14M-20	14M-28S-20	Steel	56	9F	3020	75	249.55	246.76	256	207	144	33	9	51
60-C14M-20	14M-28S-20	Steel	60	9	3020	75	267.38	264.58	-	224	159	33	9	51
64-C14M-20	14M-28S-20	Steel	64	9	3020	75	285.21	282.41	-	242	159	33	9	51
72-C14M-20	14M-28S-20	Steel	72	9	3020	75	320.86	318.06	-	278	159	33	9	51
80-C14M-20	14M-28S-20	Steel	80	9	3020	75	356.51	353.71	-	314	159	33	9	51
90-C14M-20	14M-28S-20	Cast Iron	90	10	3020	75	401.07	398.27	-	360	159	33	9	51
112-C14M-20	14M-28S-20	Cast Iron	112	10	3020	75	499.11	496.31	-	456	159	33	9	51
140-C14M-20	14M-28S-20	Cast Iron	140	10	3020	75	623.89	621.09	-	581	159	33	9	51

Taper Bore

Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked pulleys please contact our Manufacturing Department for a quotation.

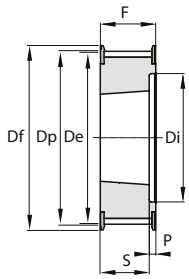
24hr Breakdown available
Customisable product
Product code builder
Compatible product

C14M Pulleys - to Suit 37mm Wide Belt (SYNCHROCHAIN® or POLY CHAIN®)

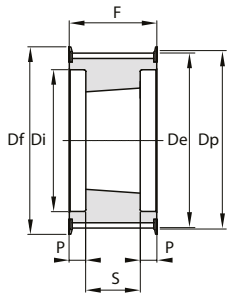
DRIVEFLEX

24 392 91 93 216 957

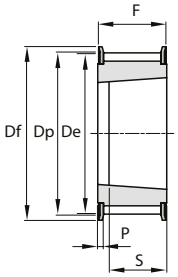
Taper Bore



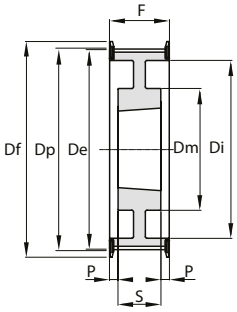
TYPE 5F



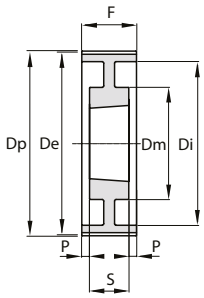
TYPE 6F



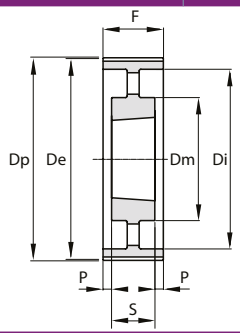
TYPE 3F



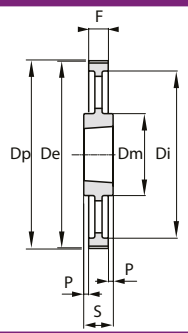
TYPE 7F



TYPE 7



TYPE 8



TYPE 10

- Material – Steel or Cast Iron
- Flanges – Steel
- Pitch – 14mm

SYNCHROCHAIN® Code	POLYCHAIN® Code	Material	No. teeth	Type	Bush no.	Max .bore (metric)	Diameters (mm)			DI	DM	F	P	S
							DP	DE	DF					
28-C14M-37	14M-28S-37	Steel	28	5F	2012	50	124.78	121.98	128	88	-	51	19	32
30-C14M-37	14M-30S-37	Steel	30	6F	2517	60	133.69	130.89	138	98	-	51	3	45
32-C14M-37	14M-32S-37	Steel	32	6F	2517	60	142.60	139.80	154	100	-	51	3	45
34-C14M-37	14M-34S-37	Steel	34	6F	2517	60	151.52	148.72	160	109	-	51	3	45
36-C14M-37	14M-36S-37	Steel	36	5F	2517	60	160.43	157.63	168	117	-	51	6	45
38-C14M-37	14M-38S-37	Steel	38	5F	2517	60	169.34	166.54	183	126	-	51	6	45
40-C14M-37	14M-40S-37	Steel	40	5F	2517	60	178.25	175.45	188	135	-	51	6	45
44-C14M-37	14M-44S-37	Steel	44	3F	3020	75	196.08	193.28	211	-	-	51	-	51
48-C14M-37	14M-48S-37	Steel	48	3F	3020	75	213.90	211.11	226	-	-	51	-	51
50-C14M-37	14M-50S-37	Steel	50	3F	3020	75	222.82	220.02	240	-	-	51	-	51
56-C14M-37	14M-56S-37	Steel	56	7F	3020	75	249.55	246.76	256	207	144	51	-	51
60-C14M-37	14M-60S-37	Steel	60	7	3020	75	267.38	264.58	-	224	159	51	-	51
64-C14M-37	14M-64S-37	Steel	64	7	3020	75	285.21	282.41	-	242	159	51	-	51
72-C14M-37	14M-72S-37	Steel	72	7	3020	75	320.86	318.06	-	278	159	51	-	51
80-C14M-37	14M-80S-37	Steel	80	7	3020	75	356.51	353.71	-	314	159	51	-	51
90-C14M-37	14M-90S-37	Cast Iron	90	8	3020	75	401.07	398.27	-	360	159	51	-	51
112-C14M-37	14M-112S-37	Cast Iron	112	8	3020	75	499.11	496.31	-	456	159	51	-	51
140-C14M-37	14M-140S-37	Cast Iron	140	10	3525	100	623.89	621.09	-	581	206	51	7	65
168-C14M-37	14M-168S-37	Cast Iron	168	10	3525	100	748.66	745.87	-	706	206	51	7	65
192-C14M-37	14M-192S-37	Cast Iron	192	10	4030	115	855.61	852.82	-	812	215	51	12.5	76

Taper Bore

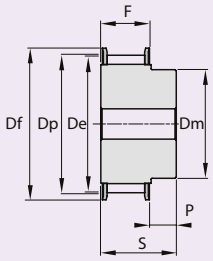
Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked pulleys please contact our Manufacturing Department for a quotation.

C14M Pulleys - to Suit 68mm Wide Belt (SYNCHROCHAIN® or POLY CHAIN®)

24 392 91 93 216 957

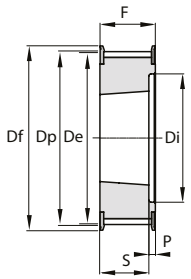
DRIVEFLEX

Pilot Bore

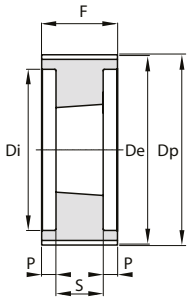


TYPE 1F

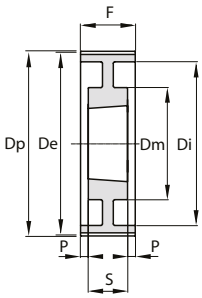
TYPE 6F



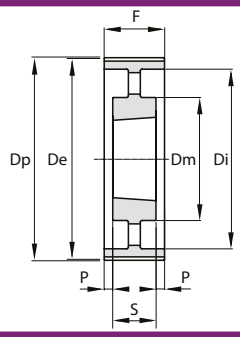
TYPE 5F



TYPE 6



TYPE 7



TYPE 8

- Material – Steel and Cast Iron
- Flanges – Steel
- Pitch – 14mm

SYNCHROCHAIN® Code	POLYCHAIN® Code	Material	No. teeth	Type	Bush no.	Max .bore (metric)	Diameters (mm)			DI	DM	F	P	S
							DP	DE	DF					
34-C14M-68	14M-34S-68	Steel	34	1F	PB = 25.4	100	151.52	148.72	160	-	132	84	20	104
36-C14M-68	14M-36S-68	Steel	36	1F	PB = 25.4	100	160.43	157.63	168	-	131	84	20	104
38-C14M-68	14M-38S-68	Steel	38	1F	PB = 25.4	115	169.34	166.54	183	-	141	84	20	104
40-C14M-68	14M-40S-68	Steel	40	1F	PB = 25.4	125	178.25	175.45	188	-	156	84	20	104
44-C14M-68	14M-44S-68	Steel	44	6F	3020	75	196.08	193.28	211	153	-	84	16.5	51
48-C14M-68	14M-48S-68	Steel	48	5F	3020	75	213.90	211.11	226	171	-	84	33	51
50-C14M-68	14M-50S-68	Steel	50	6F	3525	100	222.82	220.02	240	180	-	84	9.5	65
56-C14M-68	14M-56S-68	Steel	56	6F	3525	100	249.55	246.76	256	207	-	84	9.5	65
60-C14M-68	14M-60S-68	Steel	60	6	3525	100	267.38	264.58	-	224	-	84	9.5	65
64-C14M-68	14M-64S-68	Steel	64	6	3525	100	285.21	282.41	-	242	-	84	9.5	65
72-C14M-68	14M-72S-68	Steel	72	7	3525	100	320.86	318.06	-	278	178	84	9.5	65
80-C14M-68	14M-80S-68	Cast Iron	80	7	3525	100	356.51	353.71	-	314	178	84	9.5	65
90-C14M-68	14M-90S-68	Cast Iron	90	8	3525	100	401.07	398.27	-	360	178	84	9.5	65
112-C14M-68	14M-112S-68	Cast Iron	112	8	3525	100	499.11	496.31	-	456	178	84	9.5	65
140-C14M-68	14M-140S-68	Cast Iron	140	8	3525	100	623.89	621.09	-	581	206	84	9.5	65
168-C14M-68	14M-168S-68	Cast Iron	168	8	3525	100	748.66	745.87	-	706	206	84	9.5	65
192-C14M-68	14M-192S-68	Cast Iron	192	8	4030	115	855.61	852.82	-	812	215	84	4	76

Pilot Bore
Taper Bore

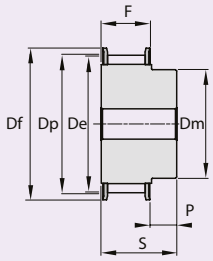
PB= Pilot Bore
Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked pulleys please contact our Manufacturing Department for a quotation.

C14M Pulleys - to Suit 90mm Wide Belt (SYNCHROCHAIN® or POLY CHAIN®)

DRIVEFLEX

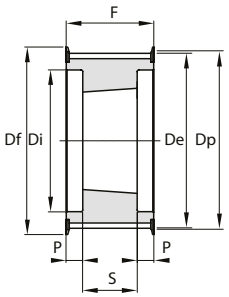
24 392 91 93 216 957

Pilot Bore

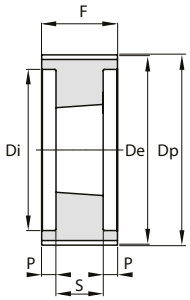


TYPE 1F

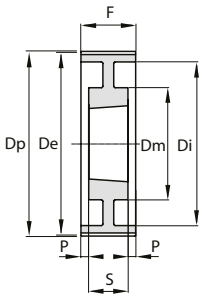
Taper Bore



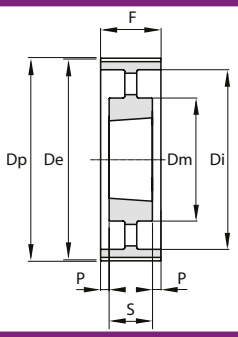
TYPE 6F



TYPE 6



TYPE 7



TYPE 8

- Material – Steel and Cast Iron
- Flanges – Steel
- Pitch – 14mm

SYNCHROCHAIN® Code	POLYCHAIN® Code	Material	No. teeth	Type	Bush no.	Max .bore (metric)	Diameters (mm)			DI	DM	F	P	S
							DP	DE	DF					
36-C14M-90	14M-36S-90	Steel	36	1F	PB = 25.4	110	160.43	157.63	168	-	131	106	30	136
38-C14M-90	14M-38S-90	Steel	38	1F	PB = 25.4	115	169.34	166.54	183	-	141	106	30	136
40-C14M-90	14M-40S-90	Steel	40	1F	PB = 25.4	125	178.25	175.45	188	-	156	106	30	136
44-C14M-90	14M-44S-90	Steel	44	1F	PB = 25.4	140	196.08	193.28	211	-	169	106	30	136
48-C14M-90	14M-48S-90	Steel	48	6F	3525	100	213.90	211.11	226	171	-	106	20	66
50-C14M-90	14M-50S-90	Steel	50	6F	3525	100	222.82	220.02	240	180	-	106	20	66
56-C14M-90	14M-56S-90	Steel	56	6F	3525	100	249.55	246.76	256	207	-	106	20	66
60-C14M-90	14M-60S-90	Steel	60	6	3525	100	267.38	264.58	-	224	-	106	20	66
64-C14M-90	14M-64S-90	Steel	64	6	3525	100	285.21	282.41	-	242	-	106	20	66
72-C14M-90	14M-72S-90	Cast Iron	72	7	3525	100	320.86	318.06	-	278	178	106	20	66
80-C14M-90	14M-80S-90	Cast Iron	80	7	4030	115	356.51	353.71	-	314	215	106	15	76
90-C14M-90	14M-90S-90	Cast Iron	90	7	4030	115	401.07	398.27	-	360	215	106	15	76
112-C14M-90	14M-112S-90	Cast Iron	112	8	4535	125	499.11	496.31	-	456	215	106	8	90
140-C14M-90	14M-140S-90	Cast Iron	140	8	4535	125	623.89	621.09	-	581	215	106	8	90
168-C14M-90	14M-168S-90	Cast Iron	168	8	5040	130	748.66	745.87	-	706	267	106	2	102
192-C14M-90	14M-192S-90	Cast Iron	192	10	5040	130	855.61	852.82	-	812	267	106	2	102

Pilot Bore
Taper Bore

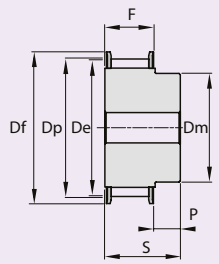
PB= Pilot Bore
Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked pulleys please contact our Manufacturing Department for a quotation.

C14M Pulleys - to Suit 125mm Wide Belt (SYNCHROCHAIN® or POLY CHAIN®)

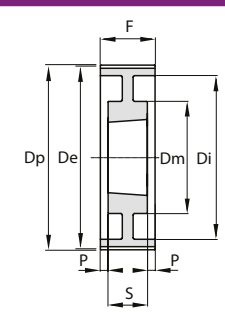
24 392 91 93 216 957

DRIVEFLEX

Pilot Bore

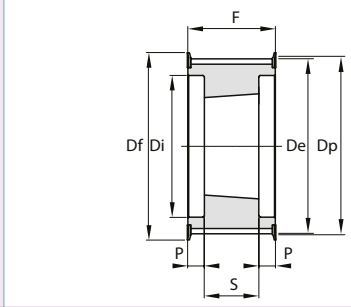


TYPE 1F

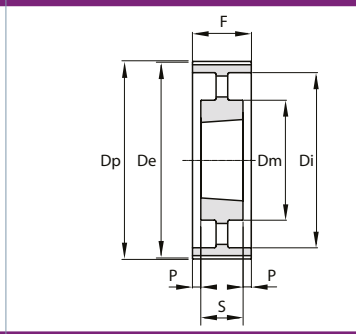


TYPE 7

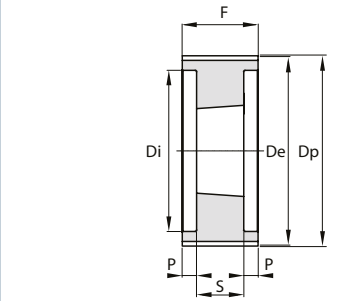
Taper Bore



TYPE 6F



TYPE 8



TYPE 6

- Material – Steel and Cast Iron
- Flanges – Steel
- Pitch – 14mm

SYNCHROCHAIN® Code	POLYCHAIN® Code	Material	No. teeth	Type	Bush no.	Max. bore (metric)	Diameters (mm)			DI	DM	F	P	S
							Dp	De	Df					
38-C14M-125	14M-38S-125	Steel	38	1F	PB = 25.4	115	169.34	166.54	183	-	141	141	20	161
40-C14M-125	14M-40S-125	Steel	40	1F	PB = 25.4	125	178.25	175.45	188	-	156	141	20	161
44-C14M-125	14M-44S-125	Steel	44	1F	PB = 25.4	140	196.08	193.28	211	-	169	141	20	161
48-C14M-125	14M-48S-125	Steel	48	1F	PB = 25.4	160	213.90	211.11	226	-	185	141	20	161
50-C14M-125	14M-50S-125	Steel	50	6F	3525	100	222.82	220.02	240	180	-	141	38	65
56-C14M-125	14M-56S-125	Steel	56	6F	3525	100	249.55	246.76	256	207	-	141	38	65
60-C14M-125	14M-60S-125	Steel	60	6	4030	115	267.38	264.58	-	224	-	141	32.5	76
64-C14M-125	14M-64S-125	Steel	64	6	4030	115	285.21	282.41	-	242	-	141	32.5	76
72-C14M-125	14M-72S-125	Cast Iron	72	7	4030	115	320.86	318.06	-	278	215	141	32.5	76
80-C14M-125	14M-80S-125	Cast Iron	80	7	4030	115	356.51	353.71	-	314	215	141	32.5	76
90-C14M-125	14M-90S-125	Cast Iron	90	7	4030	115	401.07	398.27	-	360	215	141	32.5	76
112-C14M-125	14M-112S-125	Cast Iron	112	8	4535	125	499.11	496.31	-	456	215	141	26	89
140-C14M-125	14M-140S-125	Cast Iron	140	8	4535	125	623.89	621.09	-	581	215	141	26	89
168-C14M-125	14M-168S-125	Cast Iron	168	8	5040	125	748.66	745.87	-	706	267	141	19.5	102
192-C14M-125	14M-192S-125	Cast Iron	192	8	5040	125	855.61	852.82	-	812	267	141	19.5	102

Pilot Bore
Taper Bore

PB= Pilot Bore
Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked pulleys please contact our Manufacturing Department for a quotation.

24hr Breakdown available
Customisable product
Product code builder
Compatible product



TransDev MANUFACTURING

SPECIAL PULLEYS

As well as manufacturing a complete range of standard pulleys, TransDev is also the UK's largest manufacturer of special pulleys.



Our Special Pulleys Service

- Custom pulleys
- Rework of pulleys
- All materials available
- Heat treatments
- Protective finishes
- Part marking
- Balancing

Pulley materials

A selection of materials available:

- Aluminium
- Steel
- Stainless Steel
- Brass
- Cast Iron
- Plastics

Custom pulleys

Drawings will be necessary for timing pulleys with additional features. These can be manufactured to your requirements in all materials and to the highest tolerances. We can provide most quotations to drawing within 1 hour. Live work queues enable us to make real time changes to assist your delivery requirements on existing orders in production. Our unparalled precision cutter range ensure optimum meshing, even in small pulley sizes.

Rework of Pulleys

Reboring

- Up to 180mm H7 as standard
- Over 180mm - *please enquire*

Keywaying

- Up to 25mm JS9 rectangular parallel keyways as standard
- Over 25mm and special - *please enquire*

Tapped holes

- Up to M16 as standard
- Over M16 - *please enquire*

Taper lock bush boring

- Up to 5050 as standard
- Over 5050 - *please enquire*

Special Tooth Profiles

T/TK Series	AT/ATK Series	ATP Series	ATN Series	BAT Series	SFAT Series	Imperial	SYNCHROCHAIN (CTD)	Poly Chain®	HTD	Powergrip GT	RPP	Supertorque (STD)	SILENTSYNC®
T2*						MXL(0.080")				2MR		S2M	
T2.5*						40 DP							
	AT3*								HTD3	3MR	RPP3	S3M	
												S4M	
												S4.5M	
T5*	AT5*					XL(1/5")			HTD5	5MR	RPP5	S5M	
	AT8*					L(3/8")	8	8	HTD8	8MR	RPP8	S8M	8
T10*	AT10*	ATP10*	ATN10*	BAT10*	SFAT10*	H(1/2")							
	ATS15*	ATP15*	ATN12.7*	BAT15*	SFAT15*	XH(7/8")	14	14	HTD14	14MR	RPP14	S14M	14
T20*	AT20*		ATN20*		SFAT20*	XXH(1 1/4")			HTD20				

* Available in standard, SE (reduced backlash) and zero-backlash

DRIVEFLEX

Imperial Series – Pilot Bore & Bar Stock



- HIGH QUALITY
- INDUSTRY STANDARD
- LARGE STOCKS
- FAST DELIVERY
- SECURE SUPPLY



DRIVEFLEX

IMPERIAL PILOT BORE TIMING PULLEYS

TransDev hold a large stock of imperial timing pulleys in pilot bore and taper lock bush type.

Imperial timing pulleys

TransDev hold a large stock of imperial timing pulleys in pilot bore type and taper lock bush type. There is a stock range of the small MXL pulleys in injection moulded Plastic, with different bore styles. There are also Aluminium smaller pulleys MXL and XL pitch. The bulk of the medium sized stock is in Steel, with the larger sizes in Cast Iron; see the individual catalogue pages for specific materials and dimensions. Not only the Rubber timing belts, but also the Polyurethane imperial pitch range of belts, shown earlier in the catalogue, are designed to run on these pulleys.

We can rework standard and stock pulleys to suit your individual requirements on pulleys under 400mm diameter.

Key to standard pulley diagrams	
Df	Flange diameter
d	Bore diameter
Dp	Pitch diameter
L	Overall width (or length through bore)
De	External diameter of teeth
F	Width over flanges
Dm	Hub diameter

Standard Imperial pitch pulley order examples

Pilot Bore

P	P	32	MXL	025	M	I
Plastic injection moulded						
Bore type (P = pilot bore)						
Number of teeth						
Toothform						
Belt width (025 = ¼ inch belt width – 0.25")						
Metric bore						
Insert in bore						

Taper Bore

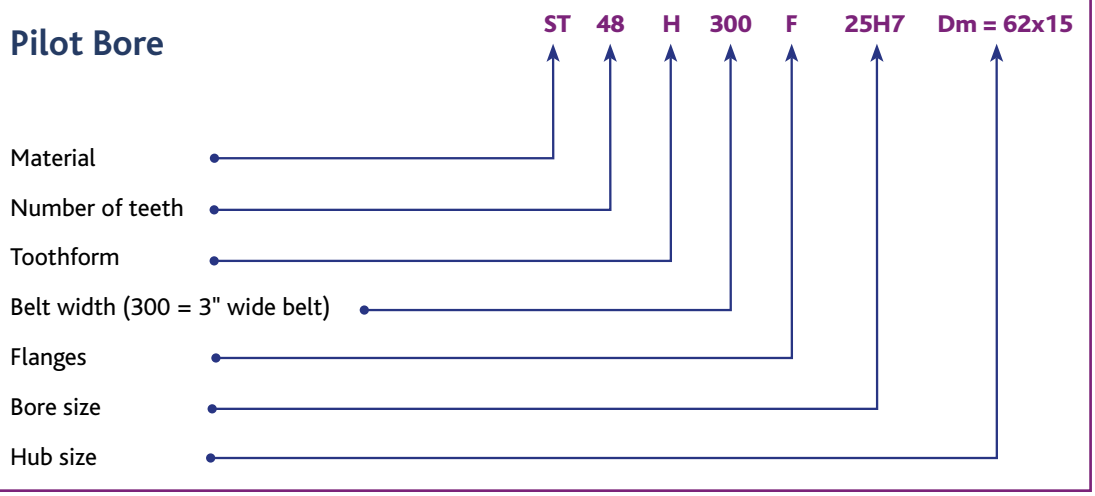
T	48	H	300	F
Bore type (T = taper bore)				
Number of teeth				
Toothform				
Belt width (300 = 3" wide belt)				
Flanges fitted				

Special Imperial Timing Pulley Ordering Examples

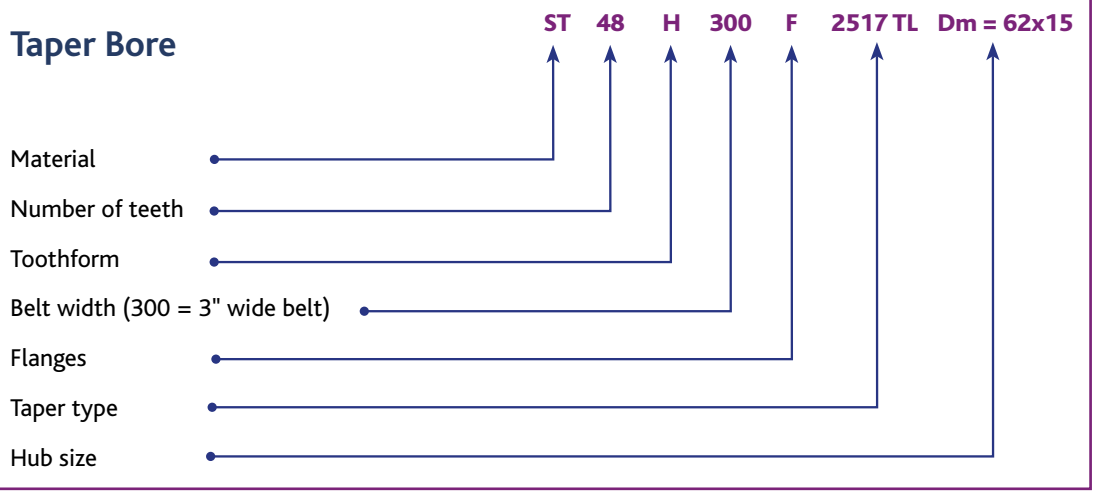
DRIVEFLEX

Special Manufacturing order example

Pilot Bore



Taper Bore



Additional Options for Manufactured Pulleys

Material	
AL	Aluminium
ST	Steel
SS	Stainless Steel
AC	Acetal
NY	Nylon
CI	Cast Iron
BR	Brass

Toothform
MXL
XL
L
H
XH
XXH

Number of flanges	
F	Two flanges
-1F	One flange, state side relating to hub (important)
-0	No flanges
-FC	Conveyor flanges, reduced diameter
-FBO	Two bolts on flanges

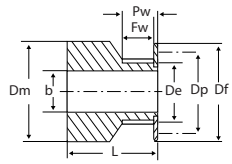
For any feature required, but not listed above please contact sales@transdev.co.uk

MXL025 Moulded Pilot Bore Pulleys (Imperial)

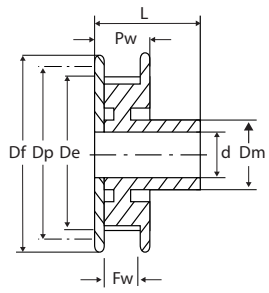
DRIVEFLEX

24 | 405 | 78 | 222

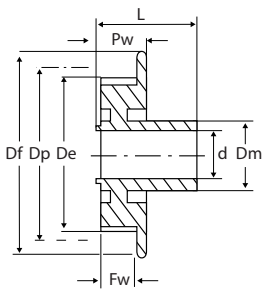
Pilot Bore



TYPE A



TYPE B



TYPE C

- Material – Polycarbonate (Glass Filled)
- Pitch – 0.080" / 2.032mm

Code	Type	No. teeth	Dp	De	Df	Dm	Fw	L	Bore (d)	Pw
PP10MXL025	A	10	0.255	0.235	0.42	0.437	0.312	0.688	0.093	0.437
PP11MXL025	A	11	0.280	0.260	0.45	0.437	0.312	0.688	0.093	0.437
PP12MXL025	A	12	0.306	0.286	0.47	0.437	0.312	0.688	0.093	0.437
PP14MXL025	A	14	0.357	0.337	0.53	0.437	0.312	0.688	0.125	0.437
PP15MXL025	A	15	0.382	0.362	0.55	0.437	0.312	0.688	0.125	0.437
PP16MXL025	A	16	0.407	0.387	0.58	0.437	0.312	0.688	0.125	0.437
PP18MXL025	A	18	0.458	0.438	0.63	0.5	0.312	0.688	0.188	0.437
PP20MXL025	A	20	0.509	0.489	0.68	0.5	0.312	0.688	0.188	0.437
PP21MXL025	B	21	0.535	0.515	0.7	0.5	0.312	0.688	0.188	0.437
PP22MXL025	B	22	0.560	0.540	0.73	0.5	0.312	0.688	0.188	0.437
PP24MXL025	B	24	0.611	0.591	0.78	0.5	0.312	0.688	0.188	0.437
PP28MXL025	B	28	0.713	0.693	0.88	0.688	0.312	0.688	0.25	0.437
PP30MXL025	B	30	0.764	0.744	0.93	0.688	0.312	0.688	0.25	0.437
PP32MXL025	B	32	0.815	0.795	0.98	0.688	0.312	0.688	0.25	0.437
PP36MXL025	B	36	0.917	0.897	1.09	0.688	0.312	0.688	0.25	0.437
PP40MXL025	C	40	1.019	0.999	1.19	0.688	0.312	0.688	0.25	0.437
PP42MXL025	C	42	1.070	1.050	1.24	0.688	0.312	0.688	0.25	0.437
PP44MXL025	C	44	1.120	1.100	1.29	0.688	0.312	0.688	0.25	0.437
PP48MXL025	C	48	1.222	1.202	1.39	0.688	0.312	0.688	0.25	0.437
PP60MXL025	C	60	1.528	1.508	1.7	0.688	0.312	0.688	0.25	0.437
PP65MXL025	C	65	1.655	1.635	1.82	0.688	0.312	0.688	0.312	0.437
PP72MXL025	C	72	1.833	1.813	2	0.688	0.312	0.688	0.312	0.437
PP80MXL025	C	80	2.037	2.017	2.21	0.688	0.312	0.688	0.312	0.437
PP90MXL025	C	90	2.292	2.272	2.46	0.688	0.312	0.688	0.312	0.437
PP100MXL025	C	100	2.546	2.526	2.71	0.688	0.312	0.688	0.312	0.437
PP110MXL025	C	110	2.801	2.781	2.97	0.688	0.312	0.688	0.312	0.437
PP120MXL025	C	120	3.056	3.036	3.23	0.688	0.312	0.688	0.312	0.437
PP130MXL025	C	130	3.31	3.290	3.48	0.688	0.312	0.688	0.312	0.437

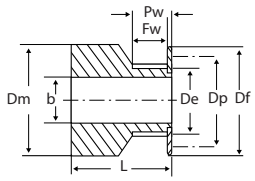
Pilot Bore

Dimensions shown in inches
Bore tolerance +0.001 / -0.00inch. General tolerances ± 0.010inch, unless otherwise marked. Temperature range -40°C to +80°C
Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked pulleys please contact our Manufacturing Department for a quotation.

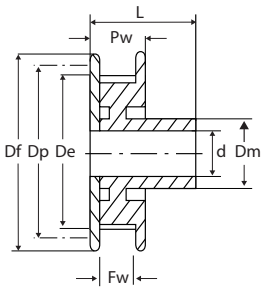
MXL025 Moulded Pilot Bore Pulleys (Metric)

DRIVEFLEX

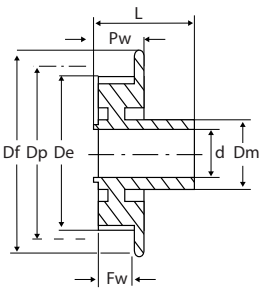
Pilot Bore



TYPE A



TYPE B



TYPE C

- Material – Polycarbonate (Glass Filled)
- Pitch – 0.080" / 2.032mm

Code	Type	No. teeth	Dp	De	Df	Dm	Fw	L	Bore (d)	Pw
PP10MXL025M	A	10	6.45	5.97	11	11	8	17.5	3	11.2
PP11MXL025M	A	11	7.11	6.60	12	11	8	17.5	3	11.2
PP12MXL025M	A	12	7.77	7.26	12	11	8	17.5	3	11.2
PP14MXL025M	A	14	9.07	8.56	13	11	8	17.5	4	11.2
PP15MXL025M	A	15	9.70	9.19	14	11	8	17.5	4	11.2
PP16MXL025M	A	16	10.34	9.83	15	11	8	17.5	4	11.2
PP18MXL025M	A	18	11.63	11.12	16	13	8	17.5	6	11.2
PP20MXL025M	A	20	12.93	12.43	17	13	8	17.5	6	11.2
PP21MXL025M	B	21	13.59	13.08	18	13	8	17.5	6	11.2
PP22MXL025M	B	22	14.22	13.72	19	13	8	17.5	6	11.2
PP24MXL025M	B	24	15.52	15.01	20	13	8	17.5	6	11.2
PP28MXL025M	B	28	18.11	17.60	22	17	8	17.5	8	11.2
PP30MXL025M	B	30	19.40	18.89	24	17	8	17.5	8	11.2
PP32MXL025M	B	32	20.7	20.19	25	17	8	17.5	8	11.2
PP36MXL025M	B	36	23.29	22.78	28	17	8	17.5	8	11.2
PP40MXL025M	C	40	25.88	25.37	30	17	8	17.5	8	11.2
PP42MXL025M	C	42	27.18	26.67	31	17	8	17.5	8	11.2
PP44MXL025M	C	44	28.45	27.94	33	17	8	17.5	8	11.2
PP48MXL025M	C	48	31.04	30.53	35	17	8	17.5	8	11.2
PP60MXL025M	C	60	38.81	38.30	43	17	8	17.5	8	11.2
PP65MXL025M	C	65	42.04	41.53	46	17	8	17.5	8	11.2
PP72MXL025M	C	72	46.56	46.05	51	17	8	17.5	8	11.2
PP80MXL025M	C	80	51.74	51.23	56	17	8	17.5	8	11.2
PP90MXL025M	C	90	58.22	57.71	63	17	8	17.5	8	11.2
PP100MXL025M	C	100	64.67	64.16	69	17	8	17.5	8	11.2
PP110MXL025M	C	110	71.15	70.63	75	17	8	17.5	8	11.2
PP120MXL025M	C	120	77.62	77.11	82	17	8	17.5	8	11.2
PP130MXL025M	C	130	84.07	83.57	88	17	8	17.5	8	11.2

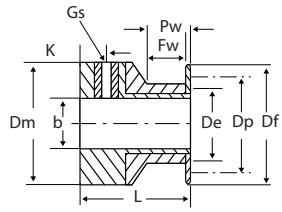
Pilot Bore

Dimensions shown in millimetres
Bore tolerance +0.025 /-0.00mm. General tolerances ± 0.25mm unless otherwise marked. Temperature range -40°C to +80°C
Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked pulleys please contact our Manufacturing Department for a quotation.

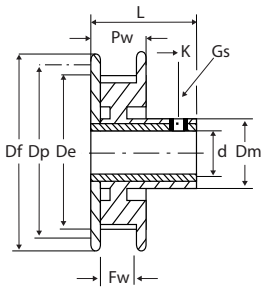
MXL025 Moulded Imperial Pilot Bore Pulleys (Aluminium/Brass Insert)

DRIVEFLEX

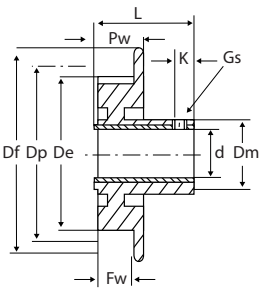
Pilot Bore



TYPE A
with Aluminium Insert



TYPE B
with Aluminium Insert



TYPE C
with Brass Insert

- Material – Polycarbonate (Glass Filled), with Aluminium/Brass insert
- Pitch – 0.080" / 2.032mm

Code	Insert	Type	No. teeth	Dp	De	Df	Dm	Fw	L	Bore (d)	Pw	Gs	K
PP18MXL025I	Aluminium	A	18	0.458	0.438	0.63	0.5	0.312	0.688	0.188	0.437	1 x 6-32 UNC	0.125
PP20MXL025I	Aluminium	A	20	0.509	0.489	0.68	0.5	0.312	0.688	0.188	0.437	1 x 6-32 UNC	0.125
PP21MXL025I	Aluminium	B	21	0.535	0.515	0.7	0.5	0.312	0.688	0.188	0.437	1 x 6-32 UNC	0.125
PP22MXL025I	Aluminium	B	22	0.560	0.540	0.73	0.5	0.312	0.688	0.188	0.437	1 x 6-32 UNC	0.125
PP24MXL025I	Aluminium	B	24	0.611	0.591	0.78	0.5	0.312	0.688	0.188	0.437	1 x 6-32 UNC	0.125
PP28MXL025I	Aluminium	B	28	0.713	0.693	0.88	0.5	0.312	0.688	0.188	0.437	1 x 6-32 UNC	0.125
PP30MXL025I	Aluminium	B	30	0.764	0.744	0.93	0.5	0.312	0.688	0.188	0.437	1 x 6-32 UNC	0.125
PP32MXL025I	Aluminium	B	32	0.815	0.795	0.98	0.5	0.312	0.688	0.188	0.437	1 x 6-32 UNC	0.125
PP36MXL025I	Aluminium	B	36	0.917	0.897	1.09	0.5	0.312	0.688	0.188	0.437	1 x 6-32 UNC	0.125
PP40MXL025I	Brass	C	40	1.019	0.999	1.19	0.688	0.312	0.688	0.188	0.437	1 x 6-32 UNC	0.125
PP42MXL025I	Brass	C	42	1.070	1.050	1.24	0.688	0.312	0.688	0.188	0.437	1 x 6-32 UNC	0.125
PP44MXL025I	Brass	C	44	1.120	1.100	1.29	0.688	0.312	0.688	0.188	0.437	1 x 6-32 UNC	0.125
PP48MXL025I	Brass	C	48	1.222	1.202	1.39	0.688	0.312	0.688	0.188	0.437	1 x 6-32 UNC	0.125
PP60MXL025I	Brass	C	60	1.528	1.508	1.7	0.688	0.312	0.688	0.25	0.437	1 x 6-32 UNC	0.125
PP65MXL025I	Brass	C	65	1.655	1.635	1.82	0.688	0.312	0.688	0.25	0.437	1 x 6-32 UNC	0.125
PP72MXL025I	Brass	C	72	1.833	1.813	2	0.688	0.312	0.688	0.25	0.437	1 x 6-32 UNC	0.125
PP80MXL025I	Brass	C	80	2.037	2.017	2.21	0.688	0.312	0.688	0.25	0.437	1 x 6-32 UNC	0.125
PP90MXL025I	Brass	C	90	2.292	2.272	2.46	0.688	0.312	0.688	0.25	0.437	1 x 6-32 UNC	0.125
PP100MXL025I	Brass	C	100	2.546	2.526	2.71	0.688	0.312	0.688	0.25	0.437	1 x 6-32 UNC	0.125
PP110MXL025I	Brass	C	110	2.801	2.781	2.97	0.688	0.312	0.688	0.25	0.437	1 x 6-32 UNC	0.125
PP120MXL025I	Brass	C	120	3.056	3.036	3.23	0.688	0.312	0.688	0.25	0.437	1 x 6-32 UNC	0.125
PP130MXL025I	Brass	C	130	3.310	3.290	3.48	0.688	0.312	0.688	0.25	0.437	1 x 6-32 UNC	0.125

Pilot Bore

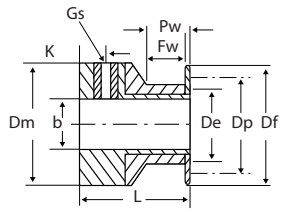
Dimensions shown in inches
Bore tolerance +0.001 / -0.00inch. General tolerances ± 0.010inch, unless otherwise marked. Temperature range -40°C to +80°C
Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked pulleys please contact our Manufacturing Department for a quotation.

MXL025 Moulded Metric Pilot Bore Pulleys (Aluminium/Brass Insert)

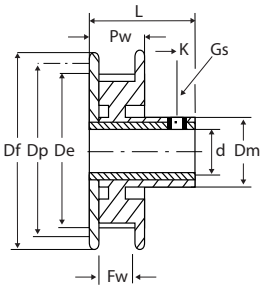
24 | 405 | 78 | 222

DRIVEFLEX

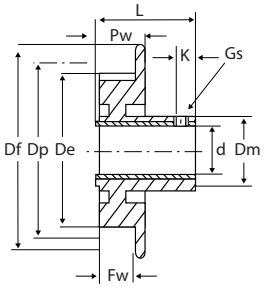
Pilot Bore



TYPE A
with Aluminium Insert



TYPE B
with Aluminium Insert



TYPE C
with Brass Insert

- Material – Polycarbonate (Glass Filled), with Aluminium/Brass insert
- Pitch – 0.080" / 2.032mm

Code	Insert	Type	No. teeth	Dp	De	Df	Dm	Fw	L	Bore (d)	Pw	Gs	K
PP18MXL025MI	Aluminium	A	18	11.63	11.13	16	13	8	17.5	5	11	1 x M3	3
PP20MXL025MI	Aluminium	A	20	12.93	12.42	17	13	8	17.5	5	11	1 x M3	3
PP21MXL025MI	Aluminium	B	21	13.59	13.08	18	13	8	17.5	5	11	1 x M3	3
PP22MXL025MI	Aluminium	B	22	14.22	13.72	19	13	8	17.5	5	11	1 x M3	3
PP24MXL025MI	Aluminium	B	24	15.52	15.01	20	13	8	17.5	5	11	1 x M3	3
PP28MXL025MI	Aluminium	B	28	18.11	17.60	22	13	8	17.5	5	11	1 x M3	3
PP30MXL025MI	Aluminium	B	30	19.40	18.89	24	13	8	17.5	5	11	1 x M3	3
PP32MXL025MI	Aluminium	B	32	20.70	20.19	25	13	8	17.5	5	11	1 x M3	3
PP36MXL025MI	Aluminium	B	36	23.29	22.78	28	13	8	17.5	5	11	1 x M3	3
PP40MXL025MI	Brass	C	40	25.88	25.37	30	17	8	17.5	5	11	1 x M3	3
PP42MXL025MI	Brass	C	42	27.18	26.67	31	17	8	17.5	5	11	1 x M3	3
PP44MXL025MI	Brass	C	44	28.45	27.94	33	17	8	17.5	5	11	1 x M3	3
PP48MXL025MI	Brass	C	48	31.04	30.53	35	17	8	17.5	5	11	1 x M3	3
PP60MXL025MI	Brass	C	60	38.81	38.30	43	17	8	17.5	6	11	1 x M3	3
PP65MXL025MI	Brass	C	65	42.04	41.53	46	17	8	17.5	6	11	1 x M3	3
PP72MXL025MI	Brass	C	72	46.56	46.05	51	17	8	17.5	6	11	1 x M3	3
PP80MXL025MI	Brass	C	80	51.74	51.23	56	17	8	17.5	6	11	1 x M3	3
PP90MXL025MI	Brass	C	90	58.22	57.71	63	17	8	17.5	6	11	1 x M3	3
PP100MXL025MI	Brass	C	100	64.67	64.16	69	17	8	17.5	6	11	1 x M3	3
PP110MXL025MI	Brass	C	110	71.15	70.63	75	17	8	17.5	6	11	1 x M3	3
PP120MXL025MI	Brass	C	120	77.62	77.11	82	17	8	17.5	6	11	1 x M3	3
PP130MXL025MI	Brass	C	130	84.07	83.57	88	17	8	17.5	6	11	1 x M3	3

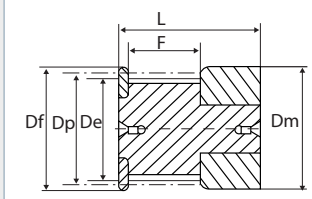
Pilot Bore

Dimensions shown in millimetres
Bore tolerance +0.025 /-0.00mm. General tolerances ± 0.25mm, unless otherwise marked. Temperature range -40°C to +80°C
Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked pulleys please contact our Manufacturing Department for a quotation.

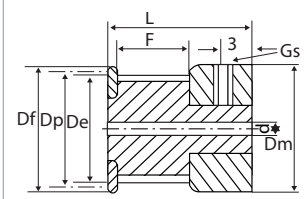
MXL025 Pilot Bore Pulleys - to Suit 6.35mm (1/4") Wide Belt

DRIVEFLEX

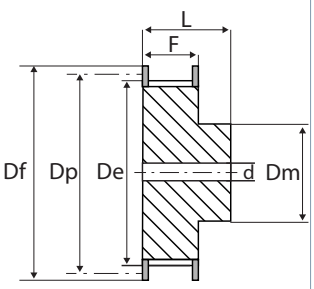
Pilot Bore



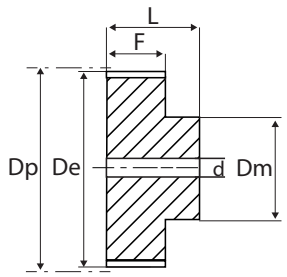
TYPE 0F



TYPE 0FB



TYPE 1F



TYPE 2

- Material – Aluminium
- Flanges – Zinc Plated Steel
- Pitch – 0.080" / 2.032mm

Code	Type	No. teeth	Dp	De	Df	Dm	F	L	Bore (d)	No. flanges	Gs
P10MXL025FB	0FB	10	6.47	5.97	10	10	7	16	3	2	M2.5
P12MXL025FB	0FB	12	7.77	7.26	11	11	7	16	3	2	M2.5
P14MXL025FB	0FB	14	9.07	8.58	12.5	12.5	7	16	3	2	M2.5
P15MXL025FB	0FB	15	9.70	9.19	13	13	7	16	3	2	M2.5
P16MXL025F	0F	16	10.35	9.84	15	15	8.5	16	-	2	-
P16MXL025FB	0FB	16	10.35	9.84	14	14	7	16	3	2	M2.5
P18MXL025F	0F	18	11.64	11.12	16	16	8.5	16	-	2	-
P18MXL025FB	0FB	18	11.64	11.12	15	15	7	16	3	2	M2.5
P20MXL025F	0F	20	12.94	12.43	16	16	8.5	16	-	2	-
P20MXL025FB	0FB	20	12.94	12.43	16	16	7	16	3	2	M2.5
P22MXL025F	1F	22	14.23	13.72	17	10	11	16	3	2	-
P22MXL025FB	0FB	22	14.23	13.72	18	18	7	16	3	2	M2.5
P24MXL025F	1F	24	15.52	15.01	20	10	11	16	3	2	-
P24MXL025FB	0FB	24	15.52	15.01	19	19	7	16	3	2	M2.5
P28MXL025F	1F	28	18.11	17.6	25	11	11	16	3	2	-
P30MXL025F	1F	30	19.40	18.90	25	12	11	16	4	2	-
P32MXL025F	1F	32	20.70	20.19	26	14	11	16	4	2	-
P36MXL025F	1F	36	23.29	22.78	28	16	11	16	4	2	-
P40MXL025F	1F	40	25.87	25.37	32	18	11	16	4	2	-
P42MXL025F	1F	42	27.17	26.67	32	18	11	16	5	2	-
P44MXL025F	1F	44	28.46	27.95	36	18	11	16	5	2	-
P48MXL025	2	48	31.05	30.54	-	20	11	16	5	0	-
P60MXL025	2	60	38.81	38.30	-	24	11	16	5	0	-
P72MXL025	2	72	46.57	46.06	-	25	11	16	6	0	-

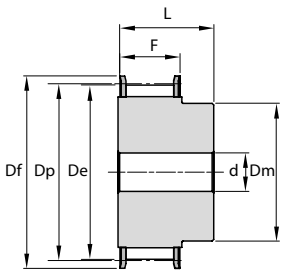
Pilot Bore

Dimensions shown in millimetres
Please note: All dimensions subject to change. Pulleys may be Bored or Unbored.
If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked pulleys please contact our Manufacturing Department for a quotation.

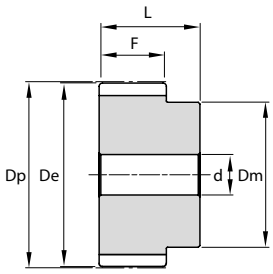
XL037 Pilot Bore Pulleys - to Suit 9.53mm (3/8") Wide Belt

DRIVEFLEX

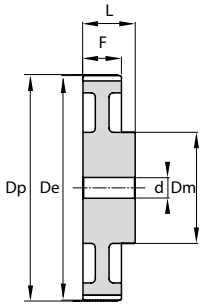
Pilot Bore



TYPE 1F



TYPE 2



TYPE 3

- Material – Steel or Aluminium
- Flanges – Zinc Plated Steel
- Pitch – 0.200"/5.08mm

Code (Aluminium)	Code (Steel)	Material	Type	No. teeth	Dp	De	Df	Dm	F	L	Bore (d)	No. flanges
P10XL037F	P10XL037FST	Aluminium/Steel	1F	10	16.17	15.66	23	9.5	14.3	20	-	2
P11XL037F	P11XL037FST	Aluminium/Steel	1F	11	17.79	17.28	23	9.5	14.3	20	-	2
P12XL037F	P12XL037FST	Aluminium/Steel	1F	12	19.40	18.90	25	10	14.3	20	-	2
P13XL037F	P13XL037FST	Aluminium/Steel	1F	13	21.02	20.51	25	10	14.3	20	-	2
P14XL037F	P14XL037FST	Aluminium/Steel	1F	14	22.64	22.13	28	15	14.3	20	-	2
P15XL037F	P15XL037FST	Aluminium/Steel	1F	15	24.26	23.75	28	15	14.3	20	-	2
P16XL037F	P16XL037FST	Aluminium/Steel	1F	16	25.87	25.36	32	16	14.3	20	-	2
P17XL037F	P17XL037FST	Aluminium/Steel	1F	17	27.49	26.98	32	20	14.3	20	-	2
P18XL037F	P18XL037FST	Aluminium/Steel	1F	18	29.11	28.60	35	20	14.3	20	-	2
P20XL037F	P20XL037FST	Aluminium/Steel	1F	20	32.34	31.83	38	23.5	14.3	22	-	2
P21XL037F	P21XL037FST	Aluminium/Steel	1F	21	33.96	33.45	38	23.5	14.3	22	-	2
P22XL037F	P22XL037FST	Aluminium/Steel	1F	22	35.57	35.07	41	25	14.3	22	6	2
P24XL037F	P24XL037FST	Aluminium/Steel	1F	24	38.81	38.30	44	30	14.3	22	6	2
P26XL037F	P26XL037FST	Aluminium/Steel	1F	26	42.04	41.53	48	30	14.3	22	8	2
P28XL037F	P28XL037FST	Aluminium/Steel	1F	28	45.28	44.77	51	34	14.3	22	8	2
P30XL037F	-	Aluminium	1F	30	48.51	48.00	54	38	14.3	22	8	2
P32XL037F	P32XL037FST	Aluminium/Steel	1F	32	51.74	51.24	57	38	14.3	25	8	2
P36XL037	-	Aluminium	2	36	58.21	57.70	-	45	14.3	25	8	0
P40XL037	-	Aluminium	2	40	64.68	64.17	-	45	14.3	25	8	0
P42XL037	-	Aluminium	2	42	67.91	67.41	-	45	14.3	25	8	0
P44XL037	-	Aluminium	2	44	71.15	70.64	-	45	14.3	25	8	0
P48XL037	-	Aluminium	3	48	77.62	77.11	-	45	14.3	25	10	0
P60XL037	-	Aluminium	3	60	97.02	96.51	-	45	14.3	25	10	0
P72XL037	-	Aluminium	3	72	116.42	115.92	-	45	14.3	25	10	0

Pilot Bore

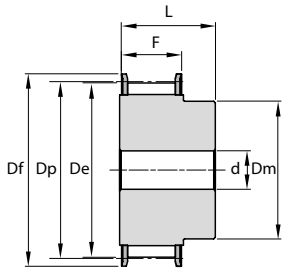
Dimensions shown in millimetres
Please note: All dimensions subject to change. Pulleys may be Bored or Unbored.
If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked pulleys please contact our Manufacturing Department for a quotation.

L050 Pilot Bore Pulleys - to Suit 12.7mm (1/2") Wide Belt

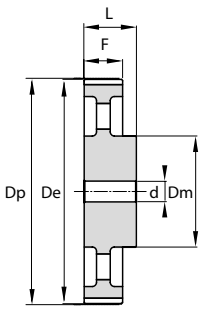
DRIVEFLEX

24 | 405 | 79 | 224

Pilot Bore



TYPE 1F



TYPE 4

- Material – Steel or Cast Iron
- Flanges – Steel
- Pitch – 0.375"/9.525mm

Code	Material	Type	No. teeth	Dp	De	Df	Dm	F	L	Bore (d)	No. flanges
P10L050F	Steel	1F	10	30.33	29.56	37	20	19	28	8	2
P12L050F	Steel	1F	12	36.37	35.62	43	24	19	30	8	2
P13L050F	Steel	1F	13	39.41	38.65	44	28	19	30	8	2
P14L050F	Steel	1F	14	42.44	41.68	48	28	19	30	8	2
P15L050F	Steel	1F	15	45.48	44.72	51	34	19	30	8	2
P16L050F	Steel	1F	16	48.51	47.75	54	36	19	32	8	2
P17L050F	Steel	1F	17	51.54	50.78	57	36	19	32	10	2
P18L050F	Steel	1F	18	54.59	53.81	60	40	19	32	10	2
P19L050F	Steel	1F	19	57.61	56.84	64	40	19	32	10	2
P20L050F	Steel	1F	20	60.63	59.88	66.5	40	19	32	10	2
P21L050F	Steel	1F	21	63.68	62.91	70	45	19	32	10	2
P22L050F	Steel	1F	22	66.70	65.94	75	45	19	32	10	2
P23L050F	Steel	1F	23	69.73	68.97	79	55	19	32	10	2
P24L050F	Steel	1F	24	72.77	72.00	79	55	19	32	10	2
P25L050F	Steel	1F	25	75.80	75.04	82.5	58	19	32	10	2
P26L050F	Steel	1F	26	78.84	78.07	86	58	19	32	11	2
P27L050F	Steel	1F	27	81.86	81.10	86	58	19	32	11	2
P28L050F	Steel	1F	28	84.89	84.13	91	58	19	32	11	2
P30L050F	Steel	1F	30	90.96	90.20	97	70	19	32	11	2
P32L050F	Steel	1F	32	97.03	96.26	102	70	19	32	11	2
P34L050F	Steel	1F	34	103.08	102.32	112	70	19	32	11	2
P36L050F	Steel	1F	36	109.14	108.39	115	70	19	32	11	2
P40L050F	Steel	1F	40	121.29	120.51	128	70	19	32	11	2
P44L050F	Steel	1F	44	133.40	132.64	142	70	19	32	11	2
P48L050F	Steel	1F	48	145.54	144.77	150	70	19	32	11	2
P60L050	Cast Iron	4	60	181.92	181.15	-	75	19	42	14	0
P72L050	Cast Iron	4	72	218.29	217.53	-	75	19	42	14	0
P84L050	Cast Iron	4	84	254.69	253.92	-	75	19	42	14	0
P96L050	Cast Iron	4	96	291.06	290.30	-	75	19	42	14	0
P120L050	Cast Iron	4	120	363.83	363.07	-	75	19	42	14	0

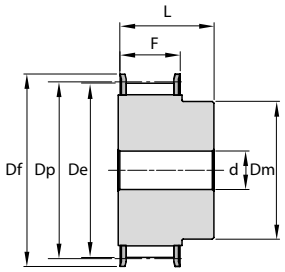
Pilot Bore

Dimensions shown in millimetres
Please note: All dimensions subject to change. Pulleys may be Bored or Unbored.
If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked pulleys please contact our Manufacturing Department for a quotation.

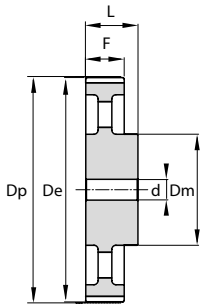
L075 Pilot Bore Pulleys - to Suit 19.05mm (3/4") Wide Belt

DRIVEFLEX

Pilot Bore



TYPE 1F



TYPE 4

- Material – Steel or Cast Iron
- Flanges – Steel
- Pitch – 0.375"/9.525mm

Code	Material	Type	No. teeth	Dp	De	Df	Dm	F	L	Bore (d)	No. flanges
P10L075F	Steel	1F	10	30.33	29.56	37	20	25.4	38	8	2
P12L075F	Steel	1F	12	36.37	35.62	43	24	25.4	38	8	2
P13L075F	Steel	1F	13	39.41	38.65	44	28	25.4	38	8	2
P14L075F	Steel	1F	14	42.44	41.68	48	28	25.4	38	11	2
P15L075F	Steel	1F	15	45.48	44.72	51	34	25.4	38	11	2
P16L075F	Steel	1F	16	48.51	47.75	54	36	25.4	38	11	2
P17L075F	Steel	1F	17	51.54	50.78	57	36	25.4	38	11	2
P18L075F	Steel	1F	18	54.59	53.81	60	40	25.4	38	11	2
P19L075F	Steel	1F	19	57.61	56.84	64	40	25.4	38	11	2
P20L075F	Steel	1F	20	60.63	59.88	66.5	40	25.4	38	11	2
P21L075F	Steel	1F	21	63.68	62.91	70	45	25.4	38	11	2
P22L075F	Steel	1F	22	66.70	65.94	75	45	25.4	38	11	2
P23L075F	Steel	1F	23	69.73	68.97	79	55	25.4	38	11	2
P24L075F	Steel	1F	24	72.77	72.00	79	55	25.4	38	11	2
P25L075F	Steel	1F	25	75.80	75.04	82.5	58	25.4	38	11	2
P26L075F	Steel	1F	26	78.84	78.07	86	58	25.4	38	11	2
P27L075F	Steel	1F	27	81.86	81.10	86	58	25.4	38	11	2
P28L075F	Steel	1F	28	84.89	84.13	91	58	25.4	38	11	2
P29L075F	Steel	1F	29	87.92	87.17	93	58	25.4	38	11	2
P30L075F	Steel	1F	30	90.96	90.20	97	70	25.4	38	11	2
P32L075F	Steel	1F	32	97.03	96.26	102	70	25.4	38	11	2
P36L075F	Steel	1F	36	109.14	108.39	115	70	25.4	38	11	2
P40L075F	Steel	1F	40	121.29	120.51	128	70	25.4	38	11	2
P42L075F	Steel	1F	42	127.34	126.57	135	70	25.4	38	11	2
P44L075F	Steel	1F	44	133.40	132.64	142	70	25.4	38	11	2
P45L075F	Steel	1F	45	136.44	135.67	142	70	25.4	38	11	2
P48L075F	Steel	1F	48	145.54	144.77	150	70	25.4	38	11	2
P60L075	Cast Iron	4	60	181.92	181.15	-	75	25.4	45	14	0
P72L075	Cast Iron	4	72	218.29	217.53	-	75	25.4	45	14	0
P84L075	Cast Iron	4	84	254.69	253.92	-	75	25.4	45	14	0
P96L075	Cast Iron	4	96	291.06	290.30	-	75	25.4	45	14	0
P120L075	Cast Iron	4	120	363.83	363.70	-	75	25.4	45	14	0

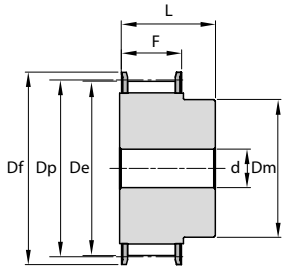
Pilot Bore

Dimensions shown in millimetres
Please note: All dimensions subject to change. Pulleys may be Bored or Unbored.
If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked pulleys please contact our Manufacturing Department for a quotation.

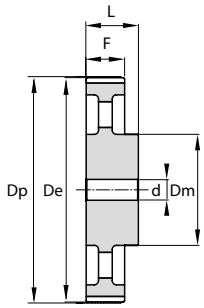
L100 Pilot Bore Pulleys - to Suit 25.4mm (1") Wide Belt

DRIVEFLEX

Pilot Bore



TYPE 1F



TYPE 4

- Material – Steel or Cast Iron
- Flanges – Steel
- Pitch – 0.375"/9.525mm

Code	Material	Type	No. teeth	Dp	De	Df	Dm	F	L	Bore (d)	No. flanges
P10L100F	Steel	1F	10	30.33	29.56	37	20	31.8	45	8	2
P12L100F	Steel	1F	12	36.37	35.62	43	24	31.8	45	8	2
P13L100F	Steel	1F	13	39.41	38.65	44	28	31.8	45	8	2
P14L100F	Steel	1F	14	42.44	41.68	48	28	31.8	45	11	2
P15L100F	Steel	1F	15	45.48	44.72	51	34	31.8	45	11	2
P16L100F	Steel	1F	16	48.51	47.75	54	36	31.8	45	11	2
P17L100F	Steel	1F	17	51.54	50.78	57	36	31.8	45	11	2
P18L100F	Steel	1F	18	54.59	53.81	60	40	31.8	45	11	2
P19L100F	Steel	1F	19	57.61	56.84	64	40	31.8	45	11	2
P20L100F	Steel	1F	20	60.63	59.88	66.5	40	31.8	45	11	2
P21L100F	Steel	1F	21	63.68	62.91	70	45	31.8	45	11	2
P22L100F	Steel	1F	22	66.70	65.94	75	45	31.8	45	11	2
P23L100F	Steel	1F	23	69.73	68.97	79	55	31.8	45	11	2
P24L100F	Steel	1F	24	72.77	72.00	79	55	31.8	45	11	2
P25L100F	Steel	1F	25	75.80	75.04	82.5	58	31.8	45	11	2
P26L100F	Steel	1F	26	78.84	78.07	86	58	31.8	45	11	2
P27L100F	Steel	1F	27	81.86	81.10	86	58	31.8	45	11	2
P28L100F	Steel	1F	28	84.89	84.13	91	58	31.8	45	11	2
P30L100F	Steel	1F	30	90.96	90.20	97	70	31.8	45	11	2
P32L100F	Steel	1F	32	97.03	96.26	102	70	31.8	45	11	2
P36L100F	Steel	1F	36	109.14	108.39	115	70	31.8	45	11	2
P40L100F	Steel	1F	40	121.29	120.51	128	70	31.8	45	11	2
P44L100F	Steel	1F	44	133.40	132.64	142	70	31.8	45	11	2
P45L100F	Steel	1F	45	136.44	135.67	142	70	31.8	45	11	2
P48L100F	Steel	1F	48	145.54	144.77	150	70	31.8	45	11	2
P60L100	Cast Iron	4	60	181.92	181.15	-	75	31.8	45	14	0
P65L100	Cast Iron	4	65	197.07	196.31	-	75	31.8	45	14	0
P72L100	Cast Iron	4	72	218.29	217.53	-	75	31.8	45	14	0
P84L100	Cast Iron	4	84	254.69	253.92	-	75	31.8	45	14	0
P96L100	Cast Iron	4	96	291.06	290.3	-	75	31.8	45	14	0
P120L100	Cast Iron	4	120	363.83	363.07	-	75	31.8	45	14	0

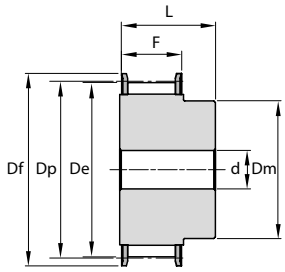
Pilot Bore

Dimensions shown in millimetres
Please note: All dimensions subject to change. Pulleys may be Bored or Unbored.
If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked pulleys please contact our Manufacturing Department for a quotation.

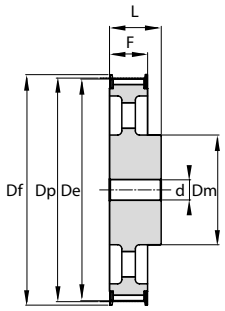
H075 Pilot Bore Pulleys - to Suit 19.05mm (3/4") Wide Belt

DRIVEFLEX

Pilot Bore



TYPE 1F



TYPE 5F

- Material – Steel
- Flanges – Steel
- Pitch – 0.5"/12.7mm

Code	Type	No. teeth	Dp	De	Df	Dm	F	L	Bore (d)	No. flanges
14H075F	1F	14	56.59	55.22	64	40	26.4	40	8	2
15H075F	1F	15	60.64	59.27	66.5	45	26.4	40	8	2
16H075F	1F	16	64.67	63.31	70	45	26.4	40	8	2
17H075F	1F	17	68.72	67.35	75	45	26.4	40	8	2
18H075F	1F	18	72.77	71.39	79	55	26.4	40	8	2
19H075F	1F	19	76.81	75.44	82.5	60	26.4	40	11	2
20H075F	1F	20	80.85	79.48	87	62	26.4	40	11	2
21H075F	1F	21	84.89	83.52	91	65	26.4	40	11	2
22H075F	1F	22	88.93	87.56	94	68	26.4	40	11	2
23H075F	1F	23	92.98	91.61	97	72	26.4	40	11	2
24H075F	1F	24	97.03	95.65	102	72	26.4	40	11	2
25H075F	1F	25	101.06	99.69	106	72	26.4	40	11	2
26H075F	1F	26	105.11	103.73	112	80	26.4	40	11	2
27H075F	1F	27	109.15	107.78	115	80	26.4	40	11	2
28H075F	1F	28	113.18	111.82	120	80	26.4	40	11	2
30H075F	1F	30	121.29	119.90	128	80	26.4	40	11	2
32H075F	1F	32	129.30	127.99	135	80	26.4	40	11	2
33H075F	1F	33	133.40	132.03	142	80	26.4	40	11	2
36H075F	1F	36	145.54	144.16	150	80	26.4	40	11	2
40H075F	1F	40	161.70	160.33	168	80	26.4	40	11	2
44H075F	5F	44	177.80	176.50	184	80	26.4	40	14	2
45H075F	5F	45	181.91	180.54	192	80	26.4	45	14	2
48H075F	5F	48	194.03	192.67	200	90	26.4	45	14	2

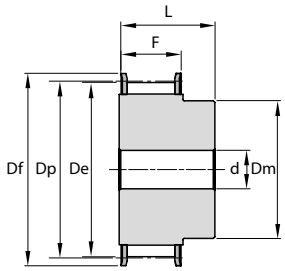
Pilot Bore

Dimensions shown in millimetres
Please note: All dimensions subject to change. Pulleys may be Bored or Unbored.
If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked pulleys please contact our Manufacturing Department for a quotation.

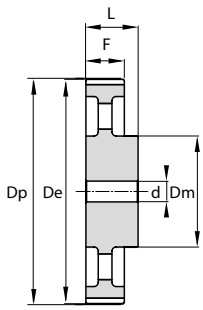
H100 Pilot Bore Pulleys - to Suit 25.4mm (1") Wide Belt

DRIVEFLEX

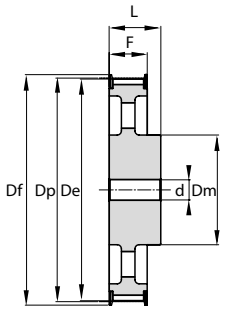
Pilot Bore



TYPE 1F



TYPE 4



TYPE 5F

- Material – Steel or Cast Iron
- Flanges – Steel
- Pitch – 0.5"/12.7mm

Code	Material	Type	No. teeth	Dp	De	Df	Dm	F	L	Bore (d)	No. flanges
P14H100F	Steel	1F	14	56.59	55.22	64	40	31.8	45	11	2
P15H100F	Steel	1F	15	60.64	59.27	66.5	45	31.8	45	11	2
P16H100F	Steel	1F	16	64.67	63.31	70	45	31.8	45	11	2
P17H100F	Steel	1F	17	68.72	67.35	75	45	31.8	45	11	2
P18H100F	Steel	1F	18	72.77	71.39	79	55	31.8	45	14	2
P19H100F	Steel	1F	19	76.81	75.44	82.5	60	31.8	45	14	2
P20H100F	Steel	1F	20	80.85	79.48	87	62	31.8	45	14	2
P21H100F	Steel	1F	21	84.89	83.52	91	65	31.8	45	14	2
P22H100F	Steel	1F	22	88.93	87.56	94	68	31.8	45	14	2
P23H100F	Steel	1F	23	92.98	91.61	97	72	31.8	45	14	2
P24H100F	Steel	1F	24	97.03	95.65	102	72	31.8	45	14	2
P25H100F	Steel	1F	25	101.06	99.69	106	72	31.8	45	14	2
P26H100F	Steel	1F	26	105.11	103.73	112	80	31.8	45	14	2
P27H100F	Steel	1F	27	109.15	107.78	115	80	31.8	45	14	2
P28H100F	Steel	1F	28	113.18	111.82	120	80	31.8	45	14	2
P30H100F	Steel	1F	30	121.29	119.90	128	80	31.8	45	14	2
P32H100F	Steel	1F	32	129.30	127.99	135	80	31.8	45	14	2
P36H100F	Steel	1F	36	145.54	144.16	150	80	31.8	45	14	2
P40H100F	Steel	1F	40	161.70	160.33	168	80	31.8	45	14	2
P44H100F	Cast Iron	5F	44	177.88	176.50	184	80	31.8	50	14	2
P45H100F	Cast Iron	5F	45	181.91	180.54	192	80	31.8	50	14	2
P48H100F	Cast Iron	5F	48	194.03	192.67	200	90	31.8	50	14	2
P60H100	Cast Iron	4	60	242.55	241.18	-	120	31.8	50	19	0
P72H100	Cast Iron	4	72	291.06	289.69	-	120	31.8	55	19	0
P84H100	Cast Iron	4	84	339.57	338.20	-	120	31.8	55	19	0
P96H100	Cast Iron	4	96	388.09	386.71	-	120	31.8	60	19	0
P120H100	Cast Iron	4	120	485.12	483.73	-	120	31.8	60	19	0

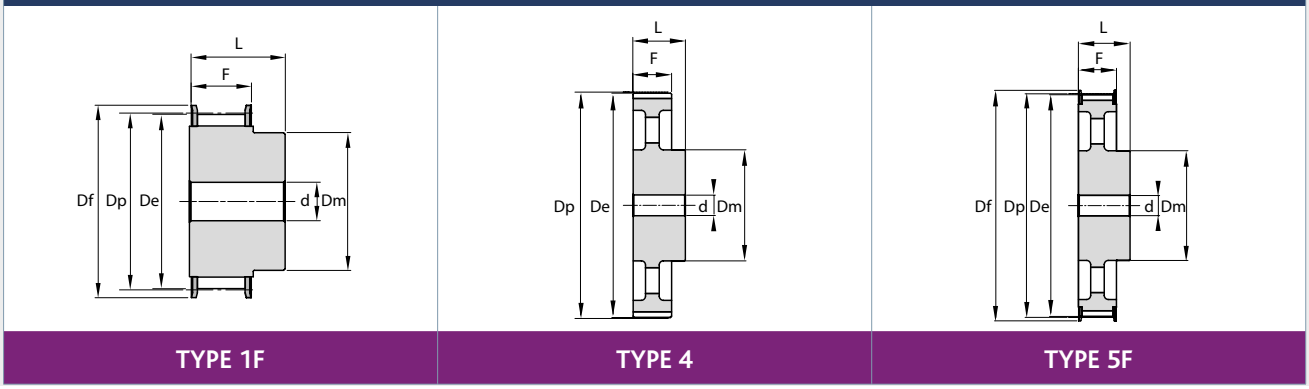
Pilot Bore

Dimensions shown in millimetres
Please note: All dimensions subject to change. Pulleys may be Bored or Unbored.
If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked pulleys please contact our Manufacturing Department for a quotation.

H150 Pilot Bore Pulleys - to Suit 38.1mm (1.5") Wide Belt

DRIVEFLEX

Pilot Bore



TYPE 1F | TYPE 4 | TYPE 5F

- Material – Steel or Cast Iron
- Flanges – Steel
- Pitch – 0.375"/9.525mm

Code	Material	Type	No. teeth	Dp	De	Df	Dm	F	L	Bore (d)	No. flanges
P14H150F	Steel	1F	14	56.59	55.22	64	42	46	58	11	2
P15H150F	Steel	1F	15	60.64	59.27	66.5	45	46	58	11	2
P16H150F	Steel	1F	16	64.67	63.31	70	45	46	58	11	2
P17H150F	Steel	1F	17	68.72	67.35	75	45	46	58	14	2
P18H150F	Steel	1F	18	72.77	71.39	79	55	46	58	14	2
P19H150F	Steel	1F	19	76.81	75.44	82.5	60	46	58	14	2
P20H150F	Steel	1F	20	80.85	79.48	87	62	46	58	14	2
P21H150F	Steel	1F	21	84.89	83.52	91	65	46	58	14	2
P22H150F	Steel	1F	22	88.93	87.56	94	68	46	58	14	2
P23H150F	Steel	1F	23	92.98	91.61	97	72	46	58	14	2
P24H150F	Steel	1F	24	97.03	95.65	102	72	46	58	14	2
P25H150F	Steel	1F	25	101.06	99.69	106	72	46	58	14	2
P26H150F	Steel	1F	26	105.11	103.73	112	80	46	58	14	2
P27H150F	Steel	1F	27	109.15	107.78	115	80	46	58	14	2
P28H150F	Steel	1F	28	113.18	111.82	120	80	46	58	14	2
P30H150F	Steel	1F	30	121.29	119.90	128	80	46	58	14	2
P32H150F	Steel	1F	32	129.30	127.99	135	80	46	58	14	2
P36H150F	Steel	1F	36	145.54	144.16	150	80	46	58	14	2
P40H150F	Steel	1F	40	161.70	160.33	168	80	46	58	14	2
P44H150F	Cast Iron	5F	44	177.88	176.50	184	80	46	58	19	2
P45H150F	Cast Iron	5F	45	181.91	180.54	192	80	46	58	19	2
P48H150F	Cast Iron	5F	48	194.03	192.67	200	90	46	65	19	2
P60H150	Cast Iron	4	60	242.55	241.18	-	120	46	65	19	0
P72H150	Cast Iron	4	72	291.06	289.69	-	120	46	65	24	0
P84H150	Cast Iron	4	84	339.57	338.20	-	120	46	65	24	0
P96H150	Cast Iron	4	96	388.09	386.71	-	120	46	65	24	0
P120H150	Cast Iron	4	120	485.12	483.73	-	120	46	65	24	0

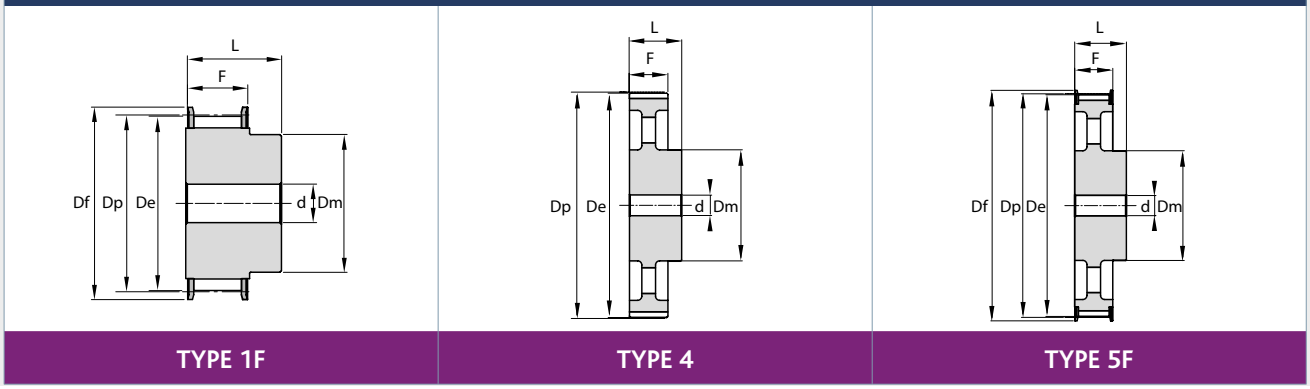
Pilot Bore

Dimensions shown in millimetres
Please note: All dimensions subject to change. Pulleys may be Bored or Unbored.
If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked pulleys please contact our Manufacturing Department for a quotation.

H200 Pilot Bore Pulleys - to Suit 50.8mm (2") Wide Belt

DRIVEFLEX

Pilot Bore



TYPE 1F | TYPE 4 | TYPE 5F

- Material – Steel or Cast Iron
- Flanges – Steel
- Pitch – 0.5"/12.7mm

Code	Material	Type	No. teeth	Dp	De	Df	Dm	F	L	Bore (d)	No. flanges
P14H200F	Steel	1F	14	56.59	55.22	64	42	58.7	70	11	2
P15H200F	Steel	1F	15	60.64	59.27	66.5	45	58.7	70	11	2
P16H200F	Steel	1F	16	64.67	63.31	70	45	58.7	70	11	2
P17H200F	Steel	1F	17	68.72	67.35	75	45	58.7	70	11	2
P18H200F	Steel	1F	18	72.77	71.39	79	55	58.7	70	14	2
P19H200F	Steel	1F	19	76.81	75.44	82.5	60	58.7	70	14	2
P20H200F	Steel	1F	20	80.85	79.48	87	62	58.7	70	14	2
P21H200F	Steel	1F	21	84.89	83.52	91	65	58.7	70	14	2
P22H200F	Steel	1F	22	88.93	87.56	94	68	58.7	70	14	2
P23H200F	Steel	1F	23	92.98	91.61	97	72	58.7	70	14	2
P24H200F	Steel	1F	24	97.03	95.65	102	72	58.7	70	14	2
P25H200F	Steel	1F	25	101.06	99.69	106	72	58.7	70	14	2
P26H200F	Steel	1F	26	105.11	103.73	112	80	58.7	70	14	2
P27H200F	Steel	1F	27	109.15	107.78	115	80	58.7	70	14	2
P28H200F	Steel	1F	28	113.18	111.82	120	80	58.7	70	14	2
P30H200F	Steel	1F	30	121.29	119.90	128	80	58.7	70	14	2
P32H200F	Steel	1F	32	129.30	127.99	135	80	58.7	70	14	2
P36H200F	Steel	1F	36	145.54	144.16	150	80	58.7	70	14	2
P40H200F	Steel	1F	40	161.70	160.33	168	80	58.7	70	19	2
P44H200F	Cast Iron	5F	44	177.88	176.50	184	80	58.7	70	19	2
P48H200F	Cast Iron	5F	48	194.03	192.67	200	90	58.7	75	24	2
P60H200	Cast Iron	4	60	242.55	241.18	-	120	58.7	75	24	0
P72H200	Cast Iron	4	72	291.06	289.69	-	120	58.7	75	28	0
P84H200	Cast Iron	4	84	339.57	338.20	-	120	58.7	75	28	0
P96H200	Cast Iron	4	96	388.09	386.71	-	120	58.7	75	28	0
P120H200	Cast Iron	4	120	485.12	483.73	-	120	58.7	75	28	0

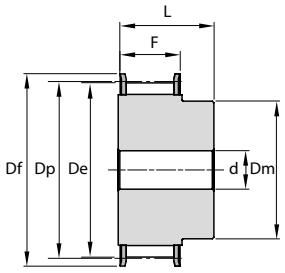
Pilot Bore

Dimensions shown in millimetres
Please note: All dimensions subject to change. Pulleys may be Bored or Unbored.
If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked pulleys please contact our Manufacturing Department for a quotation.

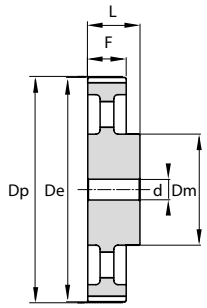
H300 Pilot Bore Pulleys - to Suit 76.2mm (3") Wide Belt

DRIVEFLEX

Pilot Bore



TYPE 1F



TYPE 4

- Material – Steel or Cast Iron
- Flanges – Steel
- Pitch – 0.5"/12.7mm

Code	Material	Type	No. teeth	Dp	De	Df	Dm	F	L	Bore (d)	No. flanges
P14H300F	Steel	1F	14	56.59	55.22	64	42	85.7	100	11	2
P15H300F	Steel	1F	15	60.64	59.27	66.5	45	85.7	100	11	2
P16H300F	Steel	1F	16	64.67	63.31	70	45	85.7	100	11	2
P17H300F	Steel	1F	17	68.72	67.35	75	45	85.7	100	11	2
P18H300F	Steel	1F	18	72.77	71.39	79	55	85.7	100	19	2
P19H300F	Steel	1F	19	76.81	75.44	82.5	60	85.7	100	19	2
P20H300F	Steel	1F	20	80.85	79.48	87	62	85.7	100	19	2
P21H300F	Steel	1F	21	84.89	83.52	91	65	85.7	100	19	2
P22H300F	Steel	1F	22	88.93	87.56	94	68	85.7	100	19	2
P23H300F	Steel	1F	23	92.98	91.61	97	72	85.7	100	19	2
P25H300F	Steel	1F	25	101.06	99.69	106	72	85.7	100	19	2
P26H300F	Steel	1F	26	105.11	103.73	112	80	85.7	100	19	2
P27H300F	Steel	1F	27	109.15	107.78	115	80	85.7	100	19	2
P28H300F	Steel	1F	28	113.18	111.82	120	80	85.7	100	19	2
P30H300F	Steel	1F	30	121.29	119.90	128	80	85.7	100	19	2
P32H300F	Steel	1F	32	129.30	127.99	135	80	85.7	100	19	2
P36H300F	Steel	1F	36	145.54	144.16	150	80	85.7	100	19	2
P40H300F	Steel	1F	40	161.70	160.33	168	80	85.7	100	19	2
P44H300	Cast Iron	4	44	177.88	176.50	-	80	85.7	100	24	0
P48H300	Cast Iron	4	48	194.03	192.67	-	90	85.7	100	24	0
P60H300	Cast Iron	4	60	242.55	241.18	-	120	85.7	100	24	0
P72H300	Cast Iron	4	72	291.06	289.69	-	120	85.7	100	28	0
P84H300	Cast Iron	4	84	339.57	338.20	-	120	85.7	100	28	0
P96H300	Cast Iron	4	96	388.09	386.71	-	120	85.7	100	28	0
P120H300	Cast Iron	4	120	485.12	483.73	-	120	85.7	100	28	0

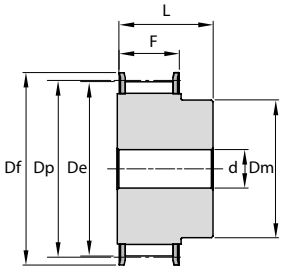
Pilot Bore

Dimensions shown in millimetres
Please note: All dimensions subject to change. Pulleys may be Bored or Unbored.
If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked pulleys please contact our Manufacturing Department for a quotation.

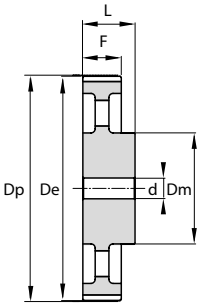
XH200 Pilot Bore Pulleys - to Suit 50.8mm (2") Wide Belt

DRIVEFLEX

Pilot Bore



TYPE 1F



TYPE 4

- Material – Steel or Cast Iron
- Flanges – Steel
- Pitch – 0.875"/22.225mm

Code	Material	Type	No. teeth	Dp	De	Df	Dm	F	L	Bore (d)	No. flanges
P18XH200F	Steel	1F	18	127.34	124.55	140	100	65	80	24	2
P19XH200F	Steel	1F	19	134.41	131.62	146	100	65	80	24	2
P20XH200F	Steel	1F	20	141.49	138.69	155	100	65	80	24	2
P21XH200F	Steel	1F	21	148.56	145.77	160	110	65	80	24	2
P22XH200F	Steel	1F	22	155.64	152.84	170	110	65	80	24	2
P24XH200F	Steel	1F	24	169.79	166.99	184	120	65	80	24	2
P25XH200F	Steel	1F	25	176.86	174.07	188	120	65	80	24	2
P26XH200F	Steel	1F	26	183.93	181.14	198	120	65	80	24	2
P27XH200F	Steel	1F	27	191.01	188.22	205	120	65	80	24	2
P28XH200F	Steel	1F	28	198.09	195.29	212	120	65	80	24	2
P30XH200F	Steel	1F	30	212.23	209.44	227	120	65	80	24	2
P32XH200F	Steel	1F	32	226.38	223.59	240	120	65	80	24	2
P34XH200F	Steel	1F	34	240.53	237.74	256	120	65	80	24	2
P38XH200	Cast Iron	4	38	268.83	266.03	-	150	65	80	28	-
P40XH200	Cast Iron	4	40	282.98	280.18	-	150	65	100	28	-
P48XH200	Cast Iron	4	48	339.57	336.78	-	150	65	100	28	-
P60XH200	Cast Iron	4	60	424.47	421.67	-	150	65	100	28	-
P72XH200	Cast Iron	4	72	509.36	506.56	-	160	65	100	28	-
P84XH200	Cast Iron	4	84	594.25	591.46	-	160	65	100	28	-
P96XH200	Cast Iron	4	96	679.15	676.35	-	160	65	100	28	-
P120XH200	Cast Iron	4	120	848.93	846.14	-	160	65	100	28	-

Pilot Bore

NB: All pulleys on this page are non-stock items and are manufactured to order

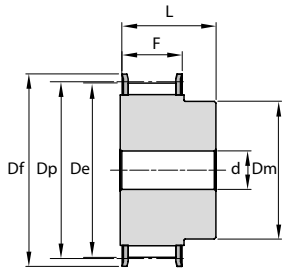
The table shows pulleys for 2" wide belts.
Pulleys to suit 3"and 4" belt widths availble upon request.

Dimensions shown in millimetres
Please note: All dimensions subject to change. Pulleys may be Bored or Unbored.
If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked pulleys please contact our Manufacturing Department for a quotation.

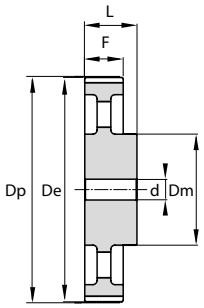
XXH200 Pilot Bore Pulleys - to Suit 50.8mm (2") Wide Belt

DRIVEFLEX

Pilot Bore



TYPE 1F



TYPE 4

- Material – Steel or Cast Iron
- Flanges – Steel
- Pitch – 0.875"/22.225mm

Code	Material	Type	No. teeth	Dp	De	Df	Dm	F	L	Bore (d)	No. flanges
18 XXH 200	Steel	1F	18	181.91	178.87	198.0	140	64.2	100	28	163
20 XXH 200	Steel	1F	20	202.13	199.08	212.0	150	64.2	100	28	165
22 XXH 200	Steel	1F	22	222.34	219.29	240.0	150	64.2	100	28	169
24 XXH 200	Steel	1F	24	242.55	239.50	267.0	150	64.2	100	28	173
26 XXH 200	Steel	1F	26	262.76	259.79	290.0	150	64.2	100	28	178
30 XXH 200	Cast Iron	4	30	303.19	300.14	-	150	64.2	100	28	-
40 XXH 200	Cast Iron	4	40	404.25	401.21	-	150	64.2	100	28	-
48 XXH 200	Cast Iron	4	48	485.10	482.06	-	150	64.2	120	28	-
60 XXH 200	Cast Iron	4	60	606.38	606.33	-	150	64.2	120	28	-
72 XXH 200	Cast Iron	4	72	727.66	724.61	-	150	64.2	120	28	-
90 XXH 200	Cast Iron	4	90	909.57	906.52	-	150	64.2	120	28	-

Pilot Bore

NB: All pulleys on this page are non-stock items and are manufactured to order

The table shows pulleys for 2" wide belts.
Pulleys to suit 3", 4" and 5" belt widths availble upon request.

Dimensions shown in millimetres
Please note: All dimensions subject to change. Pulleys may be Bored or Unbored.
If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked pulleys please contact our Manufacturing Department for a quotation.

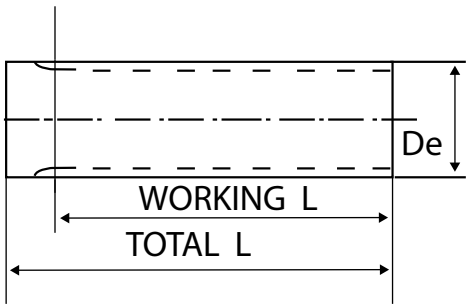


See **Imperial Series Timing Belts – Pages 75 & 219**

MXL Bar Stock

DRIVEFLEX

Bar Stock



MXL

- Material – Aluminium
- Pitch – 0.080"/2.032mm

MXL Bar Stock

Code	No. teeth	De	L (working)	L (total)
MXL10	10	6.4	50	75
MXL11	11	7.04	50	75
MXL12	12	7.26	50	75
MXL13	13	8.31	50	75
MXL14	14	8.56	50	75
MXL15	15	9.19	50	75
MXL16	16	9.83	50	75
MXL17	17	10.87	50	75
MXL18	18	11.12	50	75
MXL19	19	12.15	90	120
MXL20	20	12.42	90	120
MXL21	21	13.43	90	120
MXL22	22	13.72	125	140
MXL23	23	14.71	125	140
MXL24	24	15.01	125	140
MXL25	25	15.67	125	140
MXL26	26	16.31	125	140
MXL27	27	17.27	125	140
MXL28	28	17.60	125	140
MXL29	29	18.29	125	140

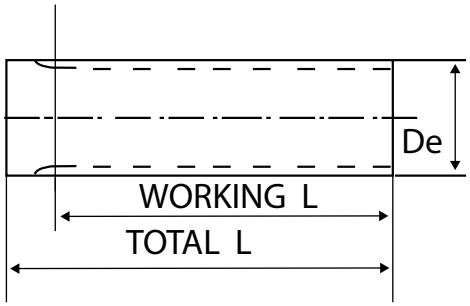
Code	No. teeth	De	L (working)	L (total)
MXL30	30	18.9	125	140
MXL32	32	20.19	125	140
MXL34	34	21.49	125	140
MXL35	35	22.39	125	140
MXL36	36	22.78	132	140
MXL38	38	24.08	132	140
MXL40	40	25.37	132	140
MXL42	42	26.67	140	140
MXL44	44	27.94	140	140
MXL45	45	28.6	140	140
MXL48	48	30.53	140	140
MXL50	50	31.83	140	140
MXL60	60	38.3	160	160
MXL64	64	40.93	160	160
MXL65	65	41.32	160	160
MXL70	70	44.78	160	160
MXL72	72	46.05	160	160
MXL75	75	47.97	160	160
MXL90	90	57.56	160	160
MXL110	110	70.35	160	160

Dimensions shown in millimetres
Please note: Other numbers of teeth available upon request. All dimensions subject to change.
If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked pulleys please contact our Manufacturing Department for a quotation.

XL and L Bar Stock

DRIVEFLEX

Bar Stock



Xl, L

- Material – Aluminium

XL Bar Stock (Pitch – 0.200"/5.08mm)

Code	No. teeth	De	L (working)	L (total)
XL10	10	15.66	125	140
XL11	11	17.28	125	140
XL12	12	18.90	125	140
XL13	13	20.51	125	140
XL14	14	22.13	132	140
XL15	15	23.75	132	140
XL16	16	25.36	140	140
XL17	17	26.98	140	140
XL18	18	28.60	140	140
XL19	19	30.22	140	140
XL20	20	31.83	140	140
XL21	21	33.45	160	160
XL22	22	35.07	160	160
XL23	23	36.60	160	160
XL24	24	38.30	160	160
XL25	25	39.93	160	160
XL26	26	41.53	160	160
XL27	27	43.15	160	160
XL28	28	44.77	160	160
XL29	29	46.39	160	160
XL30	30	48.00	160	160
XL32	32	51.24	160	160
XL33	33	52.76	160	160
XL34	34	54.47	160	160
XL35	35	56.09	160	160
XL36	36	57.70	160	160
XL38	38	60.94	160	160
XL39	39	62.56	160	160
XL40	40	64.17	160	160
XL41	41	65.79	160	160
XL42	42	67.41	160	160
XL43	43	69.02	160	160
XL44	44	70.64	160	160
XL48	48	77.11	160	160
XL56	56	90.04	160	160
XL60	60	96.51	160	160
XL72	72	115.92	160	160

L Bar Stock (Pitch – 0.375"/9.525mm)

Code	No. teeth	De	L (working)	L (total)
L10	10	29.56	140	140
L11	11	32.59	140	140
L12	12	35.62	160	160
L13	13	38.65	160	160
L14	14	41.68	160	160
L15	15	44.72	160	160
L16	16	47.75	160	160
L17	17	50.78	160	160
L18	18	53.81	160	160
L19	19	56.84	160	160
L20	20	59.88	160	160
L21	21	62.91	160	160
L22	22	65.94	160	160
L23	23	68.97	160	160
L24	24	72.00	160	160
L27	27	81.10	160	160
L30	30	90.20	160	160

Dimensions shown in millimetres
Please note: Other numbers of teeth available upon request.
All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked pulleys please contact our Manufacturing Department for a quotation.



24hr Breakdown available
Customisable product
Product code builder
Compatible product



TransDev MANUFACTURING

SPECIAL PULLEYS

As well as manufacturing a complete range of standard pulleys, TransDev is also the UK's largest manufacturer of special pulleys.



Our Special Pulleys Service

- Custom pulleys
- Rework of pulleys
- All materials available
- Heat treatments
- Protective finishes
- Part marking
- Balancing

Pulley materials

A selection of materials available:

- Aluminium
- Steel
- Stainless Steel
- Brass
- Cast Iron
- Plastics

Custom pulleys

Drawings will be necessary for timing pulleys with additional features. These can be manufactured to your requirements in all materials and to the highest tolerances. We can provide most quotations to drawing within 1 hour. Live work queues enable us to make real time changes to assist your delivery requirements on existing orders in production. Our unparalled precision cutter range ensure optimum meshing, even in small pulley sizes.

Rework of Pulleys

Reboring

- Up to 180mm H7 as standard
- Over 180mm - *please enquire*

Keywaying

- Up to 25mm JS9 rectangular parallel keyways as standard
- Over 25mm and special - *please enquire*

Tapped holes

- Up to M16 as standard
- Over M16 - *please enquire*

Taper lock bush boring

- Up to 5050 as standard
- Over 5050 - *please enquire*

Special Tooth Profiles

T/TK Series	AT/ATK Series	ATP Series	ATN Series	BAT Series	SFAT Series	Imperial	SYNCHROCHAIN (CTD)	Poly Chain®	HTD	Powergrip GT	RPP	Supertorque (STD)	SILENTSYNC®
T2*						MXL(0.080")				2MR		S2M	
T2.5*						40 DP							
	AT3*								HTD3	3MR	RPP3	S3M	
												S4M	
												S4.5M	
T5*	AT5*					XL(1/5")			HTD5	5MR	RPP5	S5M	
	AT8*					L(3/8")	8	8	HTD8	8MR	RPP8	S8M	8
T10*	AT10*	ATP10*	ATN10*	BAT10*	SFAT10*	H(1/2")							
	ATS15*	ATP15*	ATN12.7*	BAT15*	SFAT15*	XH(7/8")	14	14	HTD14	14MR	RPP14	S14M	14
T20*	AT20*		ATN20*		SFAT20*	XXH(1 1/4")			HTD20				

* Available in standard, SE (reduced backlash) and zero-backlash

DRIVEFLEX

Imperial Series – Taper Bore



- HIGH QUALITY
- INDUSTRY STANDARD
- LARGE STOCKS
- FAST DELIVERY
- SECURE SUPPLY



DRIVEFLEX

IMPERIAL TAPER BORE TIMING PULLEYS

TransDev hold a large stock of imperial timing pulleys in pilot bore and taper lock bush type.

Imperial timing pulleys

TransDev hold a large stock of imperial timing pulleys in pilot bore type and taper lock bush type. The bulk of the taper bore stock is in Steel, with the larger sizes in Cast Iron; see the individual catalogue pages for specific materials and dimensions.
Not only the Rubber timing belts, but also the Polyurethane imperial pitch range of belts shown earlier in the catalogue, are designed to run on these pulleys.

We can rework standard and stock pulleys to suit your individual requirements on pulleys under 400mm diameter.

Key to standard pulley diagrams	
Df	Flange diameter
d	Bore diameter
Dp	Pitch diameter
L	Overall width (or length through bore)
De	External diameter of teeth
F	Width over flanges
Dm	Hub diameter

Standard Imperial pitch pulley order examples

Pilot Bore

P 30 l 075 F

- Bore type (P = pilot bore)
- Number of teeth
- Toothform
- Belt width (025 = ¼ inch belt width – 0.25")
- Flanges fitted

Taper Bore

T 48 H 300 F

- Bore type (T = taper bore)
- Number of teeth
- Toothform
- Belt width (300 = 3" wide belt)
- Flanges fitted

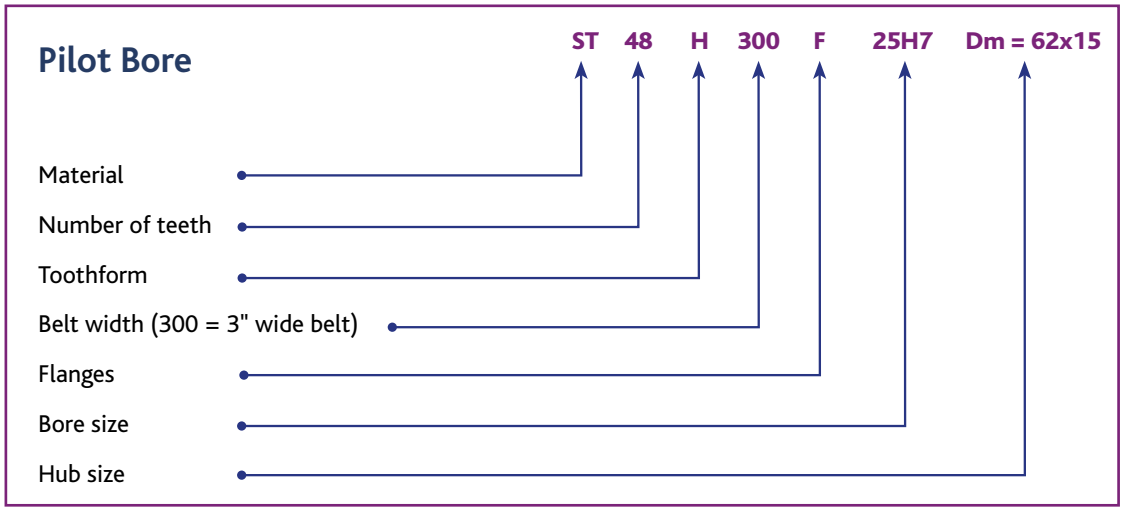


Special Imperial Timing Pulley Ordering Examples

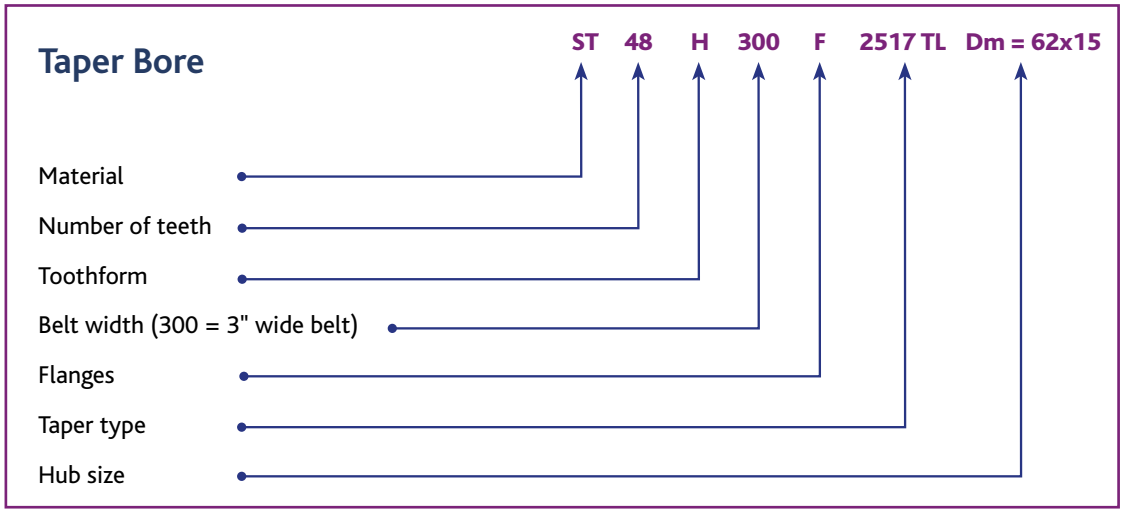
DRIVEFLEX

Special Manufacturing order example

Pilot Bore



Taper Bore



Additional Options for Manufactured Pulleys

Material	
AL	Aluminium
ST	Steel
SS	Stainless Steel
AC	Acetal
NY	Nylon
CI	Cast Iron
BR	Brass

Toothform
MXL
XL
L
H
XH
XXH

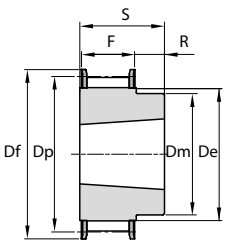
Number of flanges	
F	Two flanges
-1F	One flange, state side relating to hub (important)
-0	No flanges
-FC	Conveyor flanges, reduced diameter
-FBO	Two bolts on flanges

For any feature required, but not listed above please contact sales@transdev.co.uk

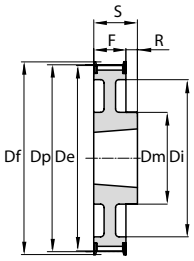
L050 Taper Bore Pulleys - to Suit 12.7mm (1/2") Wide Belt

DRIVEFLEX

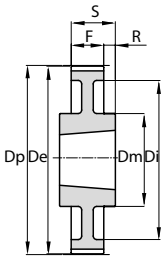
Taper Bore



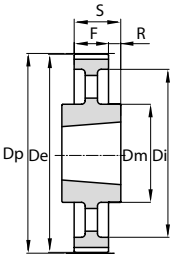
TYPE 1F



TYPE 2F



TYPE 3



TYPE 4

- Material – Steel or Cast Iron
- Flanges – Steel
- Pitch – 0.375"/9.525mm

Code	Material	Type	No. teeth	Bush	Dp	De	Df	Dm	Di	F	S	R	No. flanges
TL18L050F	Steel	1F	18	1108	54.57	53.81	60	45	-	19	22	3	2
TL19L050F	Steel	1F	19	1108	57.61	56.84	64	45	-	19	22	3	2
TL20L050F	Steel	1F	20	1108	60.64	59.88	66.5	48	-	19	22	3	2
TL21L050F	Steel	1F	21	1108	63.67	62.91	70	48	-	19	22	3	2
TL22L050F	Steel	1F	22	1108	66.70	65.94	75	51	-	19	22	3	2
TL23L050F	Steel	1F	23	1108	69.73	68.97	79	54	-	19	22	3	2
TL24L050F	Steel	1F	24	1108	72.77	72.00	79	54	-	19	22	3	2
TL25L050F	Steel	1F	25	1108	75.80	75.04	82.5	56	-	19	22	3	2
TL26L050F	Steel	1F	26	1108	78.83	78.07	86	60	-	19	22	3	2
TL27L050F	Steel	1F	27	1108	81.86	81.10	86	62	-	19	22	3	2
TL28L050F	Steel	1F	28	1108	84.89	84.13	91	65	-	19	22	3	2
TL30L050F	Steel	1F	30	1108	90.96	90.20	97	70	-	19	22	3	2
TL32L050F	Steel	1F	32	1108	97.02	96.26	102	74	-	19	22	3	2
TL36L050F	Steel	1F	36	1108	109.15	108.39	115	85	-	19	22	3	2
TL40L050F	Steel	2F	40	1610	121.28	120.51	128	97	-	19	25	6	2
TL48L050F	Steel	2F	48	1610	145.53	147.77	150	88	120	19	25	6	2
TL60L050	Steel	3	60	1610	181.91	181.15	-	92	166	19	25	3	0
TL72L050	Cast Iron	4	72	1610	218.30	217.53	-	92	202	19	25	3	0
TL84L050	Cast Iron	4	84	1610	254.68	253.90	-	92	236	19	25	3	0
TL96L050	Cast Iron	4	96	2012	291.06	290.30	-	106	270	19	32	6.5	0
TL120L050	Cast Iron	4	120	2012	363.83	363.07	-	106	343	19	32	6.5	0

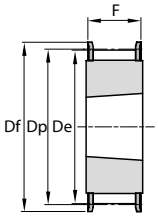
Taper Bore

Dimensions shown in millimetres
Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked pulleys please contact our Manufacturing Department for a quotation.

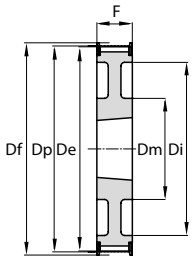
L075 Taper Bore Pulleys - to Suit 19.05mm (3/4") Wide Belt

DRIVEFLEX

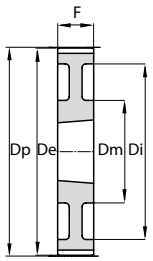
Taper Bore



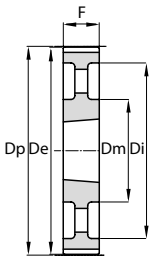
TYPE 5F



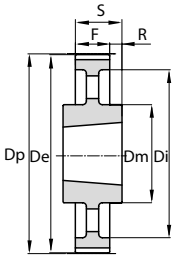
TYPE 6F



TYPE 7



TYPE 8



TYPE 4

- Material – Steel or Cast Iron
- Flanges – Steel
- Pitch – 0.375"/9.525mm

Code	Material	Type	No. teeth	Bush	Dp	De	Df	Dm	Di	F	S	R	No. flanges
TL18L075F	Steel	5F	18	1108	54.57	53.81	60	-	-	25	-	-	2
TL19L075F	Steel	5F	19	1108	57.61	56.84	64	-	-	25	-	-	2
TL20L075F	Steel	5F	20	1108	60.64	59.88	66.5	-	-	25	-	-	2
TL21L075F	Steel	5F	21	1108	63.67	62.91	70	-	-	25	-	-	2
TL22L075F	Steel	5F	22	1108	66.70	65.94	75	-	-	25	-	-	2
TL23L075F	Steel	5F	23	1108	69.73	68.97	79	-	-	25	-	-	2
TL24L075F	Steel	5F	24	1108	72.77	72.00	79	-	-	25	-	-	2
TL25L075F	Steel	5F	25	1108	75.80	75.04	82.5	-	-	25	-	-	2
TL26L075F	Steel	5F	26	1108	78.83	78.07	86	-	-	25	-	-	2
TL27L075F	Steel	5F	27	1108	81.86	81.10	86	-	-	25	-	-	2
TL28L075F	Steel	5F	28	1108	84.89	84.13	91	-	-	25	-	-	2
TL30L075F	Steel	5F	30	1108	90.96	90.20	97	-	-	25	-	-	2
TL32L075F	Steel	5F	32	1108	97.02	96.26	102	-	-	25	-	-	2
TL36L075F	Steel	5F	36	1610	109.15	108.39	115	-	-	25	-	-	2
TL40L075F	Steel	5F	40	1610	121.28	120.51	128	-	-	25	-	-	2
TL48L075F	Steel	6F	48	1610	145.53	144.77	150	92	120	25	-	-	2
TL60L075	Cast Iron	7	60	1610	181.91	181.15	-	92	166	25	-	-	-
TL72L075	Cast Iron	8	72	1610	218.30	217.53	-	92	202	25	-	-	-
TL84L075	Cast Iron	4	84	2012	254.68	253.90	-	106	236	25	32	3.5	-
TL96L075	Cast Iron	4	96	2012	291.06	290.30	-	106	270	25	32	3.5	-
TL120L075	Cast Iron	4	120	2012	363.83	363.07	-	106	343	25	32	3.5	-

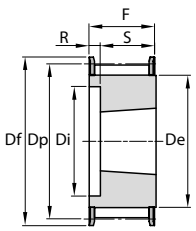
Taper Bore

Dimensions shown in millimetres
Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked pulleys please contact our Manufacturing Department for a quotation.

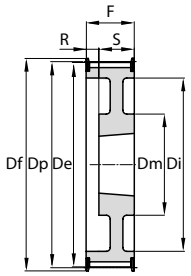
L100 Taper Bore Pulleys - to Suit 25.4mm (1") Wide Belt

DRIVEFLEX

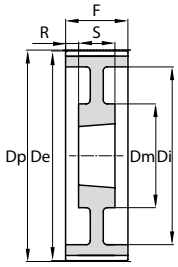
Taper Bore



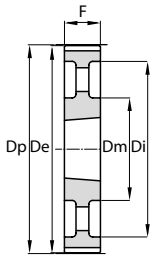
TYPE 9F



TYPE 10F



TYPE 11



TYPE 8

- Material – Steel or Cast Iron
- Flanges – Steel
- Pitch – 0.375"/9.525mm

Code	Material	Type	Bush	No. teeth	Dp	De	Df	Dm	Di	F	S	R	No. flanges
TL18L100F	Steel	9F	1108	18	54.57	53.81	60	-	38	31	22	9	2
TL19L100F	Steel	9F	1108	19	57.61	56.84	64	-	38	31	22	9	2
TL20L100F	Steel	9F	1108	20	60.64	59.88	66.5	-	45	31	22	9	2
TL21L100F	Steel	9F	1108	21	63.67	62.91	70	-	45	31	22	9	2
TL22L100F	Steel	9F	1108	22	66.70	65.94	75	-	48	31	22	9	2
TL23L100F	Steel	9F	1108	23	69.73	68.97	79	-	52	32	22	10	2
TL24L100F	Steel	9F	1108	24	72.77	72.00	79	-	52	32	22	10	2
TL25L100F	Steel	9F	1108	25	75.80	75.04	82.5	-	54	32	22	10	2
TL26L100F	Steel	9F	1108	26	78.83	78.07	86	-	60	32	22	10	2
TL27L100F	Steel	9F	1108	27	81.86	81.10	86	-	60	32	22	10	2
TL28L100F	Steel	9F	1108	28	84.89	84.13	91	-	65	32	22	10	2
TL30L100F	Steel	9F	1210	30	90.96	90.20	97	-	71	32	25	7	2
Tl32L100F	Steel	9F	1210	32	97.02	96.26	102	-	75	32	25	7	2
TL36L100F	Steel	9F	1610	36	109.15	108.39	115	-	86	32	25	7	2
TL40L100F	Steel	9F	1610	40	121.28	120.51	128	-	96	32	25	7	2
TL48L100F	Steel	10F	1610	48	145.53	144.77	150	92	120	32	25	7	2
TL60L100	Steel	11	1610	60	181.91	181.15	-	92	166	32	25	3.5	-
TL72L100	Cast Iron	8	2012	72	218.30	217.53	-	106	202	32	32	-	-
TL84L100	Cast Iron	8	2012	84	254.68	253.90	-	106	236	32	32	-	-
TL96L100	Cast Iron	8	2012	96	291.06	290.30	-	106	270	32	32	-	-
TL120L100	Cast Iron	8	2012	120	363.83	363.07	-	106	343	32	32	-	-

Taper Bore

Dimensions shown in millimetres
Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked pulleys please contact our Manufacturing Department for a quotation.

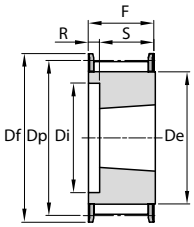


See **Design Software – Page 30**

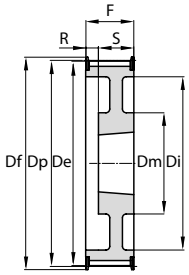
H100 Taper Bore Pulleys - to Suit 25.4mm (1") Wide Belt

DRIVEFLEX

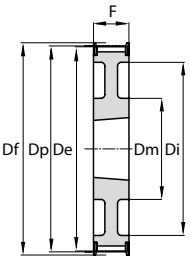
Taper Bore



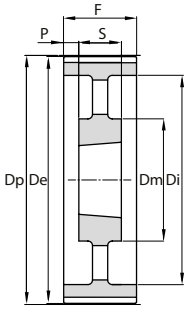
TYPE 9F



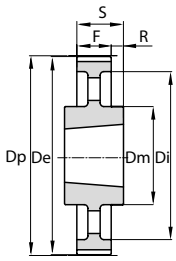
TYPE 10F



TYPE 6F



TYPE 12



TYPE 4

- Material – Steel or Cast Iron
- Flanges – Steel
- Pitch – 0.5"/12.7mm

Code	Material	Type	No. teeth	Bush	Dp	De	Df	Dm	Di	F	S	R	No. flanges
TL16H100F	Steel	9F	16	1108	64.68	63.31	70	-	45	31	22	9	2
TL18H100F	Steel	9F	18	1210	72.77	71.39	79	-	52	31	25	6	2
TL19H100F	Steel	9F	19	1210	76.81	74.44	82.5	-	56	31	25	6	2
TL20H100F	Steel	9F	20	1210	80.55	79.48	87	-	60	31	25	6	2
TL21H100F	Steel	9F	21	1210	84.89	83.52	91	-	64	32	25	7	2
TL22H100F	Steel	9F	22	1210	88.94	87.56	94	-	67	32	25	7	2
TL23H100F	Steel	9F	23	1610	92.98	91.61	97	-	70	32	25	7	2
TL24H100F	Steel	9F	24	1610	97.02	95.65	102	-	73.5	32	25	7	2
TL25H100F	Steel	9F	25	1610	101.06	99.69	106	-	77	32	25	7	2
TL26H100F	Steel	9F	26	1610	105.11	103.73	112	-	82	32	25	7	2
TL27H100F	Steel	9F	27	1610	109.15	107.78	115	-	85	32	25	7	2
TL28H100F	Steel	9F	28	1610	113.19	111.82	120	-	90.5	32	25	7	2
TL30H100F	Steel	9F	30	1610	121.28	119.90	128	-	98	32	25	7	2
TL32H100F	Steel	10F	32	1610	129.36	127.99	135	80	106	32	25	7	2
TL36H100F	Steel	10F	36	1610	145.53	144.16	150	92	121	32	25	7	2
TL40H100F	Steel	10F	40	1610	161.70	160.33	168	92	138	32	25	7	2
TL44H100F	Steel	6F	44	2012	177.87	176.50	184	106	152	32	32	-	2
TL48H100F	Steel	6F	48	2012	194.04	192.67	200	106	169	32	32	-	2
TL60H100	Cast Iron	12	60	2012	242.55	241.18	-	106	223	34	32	1	-
TL72H100	Cast Iron	12	72	2012	291.06	289.69	-	106	270	34	32	1	-
TL84H100	Cast Iron	12	84	2012	339.57	338.20	-	106	318	34	32	1	-
TL96H100	Cast Iron	4	96	2517	388.08	386.71	-	119	366	34	45	5.5	-

Taper Bore

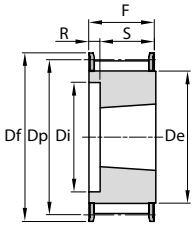
Dimensions shown in millimetres
Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked pulleys please contact our Manufacturing Department for a quotation.

H150 Taper Bore Pulleys - to Suit 38.1mm (1.5") Wide Belt

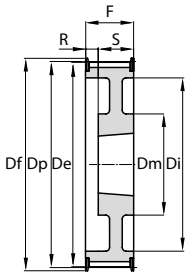
DRIVEFLEX

24 427 83 228 958

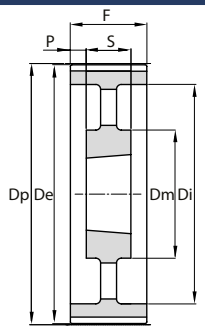
Taper Bore



TYPE 9F



TYPE 10F



TYPE 12

- Material – Steel or Cast Iron
- Flanges – Steel
- Pitch – 0.5"/12.7mm

Code	Material	Type	No. teeth	Bush	Dp	De	Df	Dm	Di	F	S	R	No. flanges
TL18H150F	Steel	9F	18	1210	72.77	71.39	79	-	52	45	25	20	2
TL19H150F	Steel	9F	19	1210	76.81	74.44	82.5	-	56	45	25	20	2
TL20H150F	Steel	9F	20	1210	80.55	79.48	87	-	60	45	25	20	2
TL21H150F	Steel	9F	21	1210	84.89	83.52	91	-	64	45	25	20	2
TL22H150F	Steel	9F	22	1210	88.94	87.56	94	-	67	45	25	20	2
TL23H150F	Steel	9F	23	1610	92.98	91.61	97	-	70	45	25	20	2
TL24H150F	Steel	9F	24	1610	97.02	95.65	102	-	73.5	45	25	20	2
TL25H150F	Steel	9F	25	1610	101.06	99.69	106	-	77	45	25	20	2
TL26H150F	Steel	9F	26	1610	105.11	103.73	112	-	82	45	25	20	2
TL27H150F	Steel	9F	27	1610	109.15	107.78	115	-	85	45	25	20	2
TL28H150F	Steel	9F	28	1610	113.19	111.82	120	-	90.5	45	25	20	2
TL30H150F	Steel	9F	30	1610	121.28	119.90	128	-	98	45	25	20	2
TL32H150F	Steel	10F	32	1610	129.36	127.99	135	80	106	45	25	20	2
TL36H150F	Steel	10F	36	1610	145.53	144.16	150	92	121	45	25	20	2
TL40H150F	Steel	10F	40	1610	161.70	160.33	168	92	138	45	25	20	2
TL44H150F	Steel	10F	44	2012	177.87	176.50	184	106	152	45	32	13	2
TL48H150F	Steel	10F	48	2012	194.04	192.67	200	106	169	45	32	13	2
TL60H150	Cast Iron	12	60	2012	242.55	241.18	-	106	223	46	32	7	-
TL72H150	Cast Iron	12	72	2012	291.06	289.69	-	106	270	46	32	7	-
TL84H150	Cast Iron	12	84	2012	339.57	338.20	-	106	318	46	32	7	-
TL96H150	Cast Iron	12	96	2517	388.08	386.71	-	119	366	46	45	0.5	-
TL120H150	Cast Iron	12	120	2517	485.10	483.73	-	119	462	46	45	0.5	-

Taper Bore

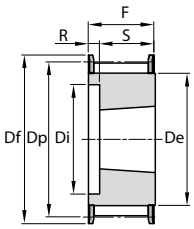
Dimensions shown in millimetres
Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked pulleys please contact our Manufacturing Department for a quotation.

H200 Taper Bore Pulleys - to Suit 50.8mm (2") Wide Belt

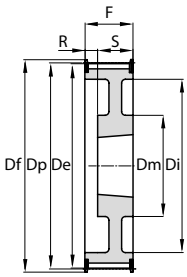
24 427 83 228 958

DRIVEFLEX

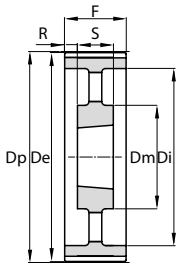
Taper Bore



TYPE 9F



TYPE 10F



TYPE 12

- Material – Steel or Cast Iron
- Flanges – Steel
- Pitch – 0.5"/12.7mm

Code	Material	Type	No. teeth	Bush	Dp	De	Df	Dm	Di	F	S	R	No. flanges
TL18H200F	Steel	9F	18	1210	72.77	71.39	79	-	52	58	25	33	2
TL19H200F	Steel	9F	19	1210	76.81	74.44	82.5	-	56	58	25	33	2
TL20H200F	Steel	9F	20	1610	80.85	79.48	87	-	62	58	25	33	2
TL21H200F	Steel	9F	21	1610	84.89	83.52	91	-	64	58	25	33	2
TL22H200F	Steel	9F	22	1610	88.94	87.56	94	-	67	58	25	33	2
TL23H200F	Steel	9F	23	1610	92.98	91.61	97	-	70	58	25	33	2
TL24H200F	Steel	9F	24	1610	97.02	95.65	102	-	73.5	58	25	33	2
TL25H200F	Steel	9F	25	1610	101.06	99.69	106	-	77	58	25	33	2
TL26H200F	Steel	9F	26	1610	105.11	103.73	112	-	82	58	25	33	2
TL27H200F	Steel	9F	27	1610	109.15	107.78	115	-	85	58	25	33	2
TL28H200F	Steel	9F	28	1610	113.19	111.82	120	-	90.5	58	25	33	2
TL30H200F	Steel	9F	30	1610	121.28	119.9	128	-	98	58	25	33	2
TL32H200F	Steel	9F	32	2012	129.36	127.99	135	-	106	58	32	26	2
TL36H200F	Steel	10F	36	2012	145.53	144.16	150	102	121	58	32	26	2
TL40H200F	Steel	10F	40	2012	161.70	160.33	168	106	138	58	32	26	2
TL44H200F	Steel	10F	44	2012	177.87	176.50	184	106	152	58	32	26	2
TL48H200F	Steel	10F	48	2517	194.04	192.67	200	119	168	58	45	13	2
TL60H200	Cast Iron	12	60	2517	242.55	241.18	-	119	223	60	45	7.5	-
TL72H200	Cast Iron	12	72	2517	291.06	289.69	-	119	270	60	45	7.5	-
TL84H200	Cast Iron	12	84	2517	339.57	338.20	-	119	320	60	45	7.5	-
TL96H200	Cast Iron	12	96	2517	388.08	386.71	-	119	366	60	45	7.5	-
TL120H200	Cast Iron	12	120	2517	485.10	483.73	-	119	462	60	45	7.5	-

Taper Bore

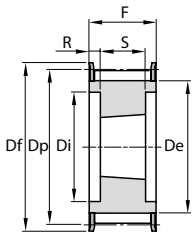
Dimensions shown in millimetres
Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked pulleys please contact our Manufacturing Department for a quotation.

H300 Taper Bore Pulleys - to Suit 76.2mm (3") Wide Belt

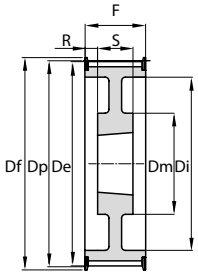
DRIVEFLEX

24 427 83 228 958

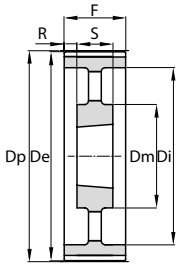
Taper Bore



TYPE 13F



TYPE 14F



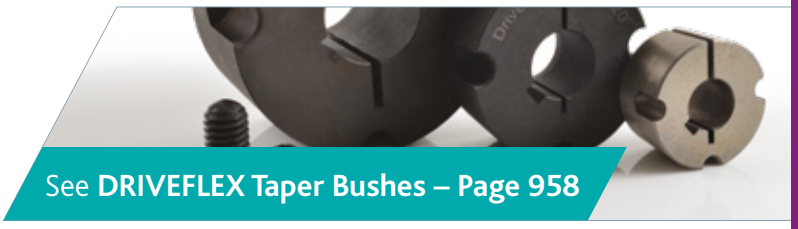
TYPE 12

- Material – Steel or Cast Iron
- Flanges – Steel
- Pitch – 0.5"/12.7mm

Code	Material	Type	Bush	No. teeth	Dp	De	D	Dm	Di	F	S	R	No. flanges
TL20H300F	Steel	13F	1615	20	80.85	79.48	87	-	64.5	84	38	23	2
TL21H300F	Steel	13F	1615	21	84.89	83.52	91	-	65	84	38	23	2
TL22H300F	Steel	13F	1615	22	88.94	87.56	94	-	67	84	38	23	2
TL23H300F	Steel	13F	1615	23	92.98	91.61	97	-	70	84	38	23	2
TL24H300F	Steel	13F	1615	24	97.02	95.65	102	-	73.5	84	38	23	2
TL25H300F	Steel.	13F	1615	25	101.06	99.69	106	-	77	84	38	23	2
TL26H300F	Steel	13F	1615	26	105.11	103.73	112	-	82	84	38	23	2
TL27H300F	Steel	13F	2012	27	109.15	107.78	115	-	85	84	32	26	2
TL28H300F	Steel	13F	2012	28	113.19	111.82	120	-	90.5	84	32	26	2
TL30H300F	Steel	13F	2012	30	121.28	119.90	128	-	98	84	32	26	2
TL32H300F	Steel	13F	2517	32	129.36	127.99	135	-	106	84	45	19.5	2
TL36H300F	Steel	13F	2517	36	145.53	144.16	150	-	121	84	45	19.5	2
TL40H300F	Steel	13F	2517	40	161.70	160.33	168	-	138	84	45	19.5	2
TL44H300F	Steel	14F	2517	44	177.87	176.50	184	119	150	86	45	20.5	2
TL48H300F	Steel	14F	2517	48	194.04	192.67	200	119	165	86	45	20.5	2
TL60H300	Cast Iron	12	2517	60	242.55	241.18	-	119	223	86	45	20.5	-
TL72H300	Cast Iron	12	2517	72	291.06	289.69	-	119	270	86	45	20.5	-
TL84H300	Cast Iron	12	2517	84	339.57	338.20	-	119	320	86	45	20.5	-
TL96H300	Cast Iron	12	3030	96	388.08	386.71	-	150	362	86	76	5	-
TL120H300	Cast Iron	12	3030	120	485.10	483.73	-	150	460	86	76	5	-

Taper Bore

Dimensions shown in millimetres
Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation. For special or reworked pulleys please contact our Manufacturing Department for a quotation.



See DRIVEFLEX Taper Bushes – Page 958

BRECO® TIMING BELTS

YOU CAN RELAX
IT'S A BRECO® LINEAR BELT

BRECO® Polyurethane linear drive belts are are available in pitch length multiples to any desired length over 100 metres.

- High linear, positional and angular accuracy
- Slipless, synchronous operation
- Constant length, no post elongation
- Extremely wear resistant
- Up to 98% efficient and maintenance free
- Belt speeds up to 80 m/sec
- Temperature ranges available from -25°C to +110°C, (dependent on special PU's)
- Special chemical resistants available

BRECO® M

Open ended polyurethane timing belts are used extensively for linear drives replacing more expensive mechanical alternatives.

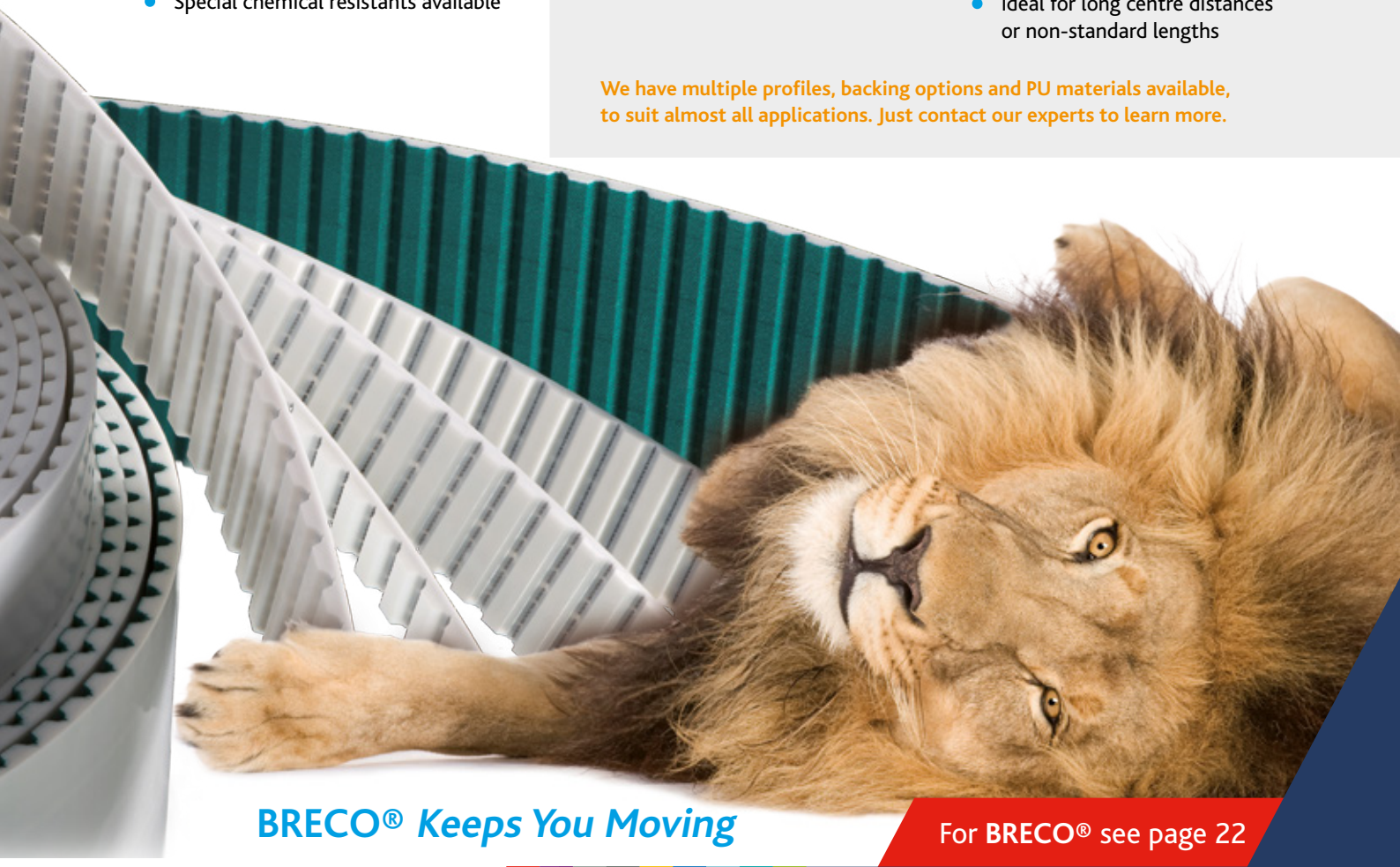
- Many high strength tension cord types available
- Reels can extruded in lengths up to 150m

BRECO® V

Joined timing belts are the ultimate in timing belt versatility. These joined belts are manufactured from lengths of BRECO® M.

- Heat welded interlocking fingers provide any length of timing belt
- Fast delivery schedule (typically 1 day)
- Ideal for long centre distances or non-standard lengths

We have multiple profiles, backing options and PU materials available, to suit almost all applications. Just contact our experts to learn more.



BRECO® *Keeps You Moving*

For **BRECO®** see page 22

BELTS PULLEYS CHAIN SPROCKETS GEARS BEARINGS LINEAR HARDWARE PLASTICS

TransDev®
THE POWER IN MOTION

DRIVEFLEX

Clamp & Tension Plates

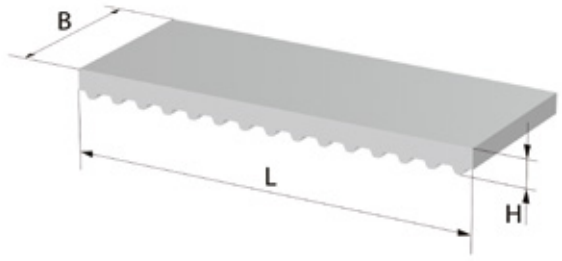


- EXTENSIVE RANGE
- GENUINE TOOTH PROFILES
- HIGH ACCURACY
- COST EFFECTIVE
- SPECIAL AND REWORK OPTIONS AVAILABLE

Mulco® Belt Clamp Plates

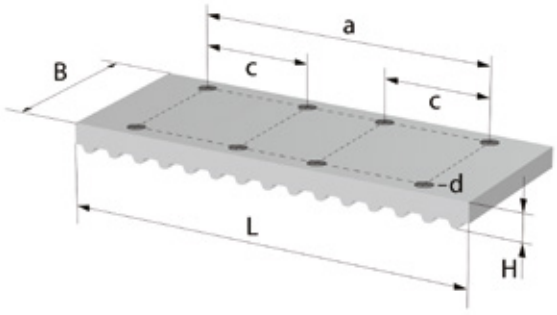
MULCO
THE POWER OF A WELL-MESHED GROUP.

MULCO®



CLAMP PLATE

MULCO®



CLAMP PLATE WITH HOLES

Material = Aluminium * Short delivery ** In the clamp plates of the type T2.5 there are only 6 instead of 8 holes.

Mulco® AT Series Clamp Plates (mm)

Pitch	Stock	L	H	a	Hole dia. d	c	Belt width (mm)					
							10	20	25	32	50	75
							Plate width B (mm)					
AT3	*	75	8	50	5.5	12.5	30	50	60	-	-	-
AT5	*	120	10	80	5.5	20	-	-	50	60	75	110
AT10	*	160	10	110	6.5	30	-	-	50	60	75	110
BAT10	*	160	10	110	6.5	30	-	-	50	60	75	110
BATK10	*	160	10	110	6.5	30	-	-	-	60	75	110
AT15 *protect*	*	180	20	140	9	50	-	-	50	60	75	110
ATS15	*	180	20	140	9	50	-	-	50	60	75	110
BAT15	*	180	20	140	9	50	-	-	-	-	75	110
BATK15	*	180	20	140	9	50	-	-	-	-	75	110
AT20	*	200	20	160	9	60	-	-	50	60	75	110

Mulco® T Series Clamp Plates (mm)

Pitch	Stock	L	H	a	Hole dia. d	c	Belt width (mm)					
							10	20	25	32	50	75
							Plate width B (mm)					
T2.5**	*	60	6	30	5.5	15	30	40	-	-	-	-
T5	*	120	10	80	5.5	20	-	-	50	60	75	110
T10	*	160	10	110	6.5	30	-	-	50	60	75	110
T20	*	200	20	160	6.5	60	-	-	50	60	75	110

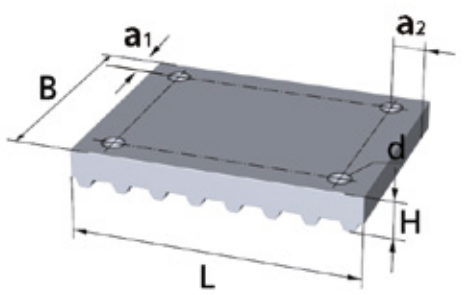
Mulco® Imperial Pitch Clamp Plates (mm)

Pitch	Stock	L	H	a	Hole dia. d	c	Belt width (mm)				
							25.4	38.1	50.8	76.2	101.6
							Plate width B (mm)				
XL	*	120	10	80	5.5	20	50	60	75	110	-
L	*	160	10	110	6.5	30	50	60	75	110	-
H	*	160	10	110	6.5	30	50	60	75	110	140
XH	*	200	20	160	6.5	60	50	60	75	110	-

TransDev Belt Clamp Plates

DRIVEFLEX

DRIVEFLEX



CLAMP PLATE

If a dimension is critical to your application please contact our Sales Department for confirmation. For special clamp or tension plates or reworked clamp or tension plates, please contact our Manufacturing Department.

Material = Aluminium

TransDev AT Series Clamp Plates (with holes)

Pitch	Stock	a1	a2	d	L	H	Belt width (mm)							
							10	16	25	32	50	75	100	150
							Plate width B (mm)							
AT5	✓	6	8.2	5.5	41.8	8	29	35	44	-	-	-	-	-
AT10	✓	8	15	9	80	15	-	41	50	57	75	-	-	-
AT20	MTO	10	30	11	160	22	-		57	64	82	107	132	182

TransDev T Series Clamp Plates (with holes)

Pitch	Stock	a1	a2	d	L	H	Belt width (mm)							
							10	16	25	32	50	75	100	150
							Plate width B (mm)							
T5	✓	6	8.2	5.5	41.8	8	29	35	44	-	-	-	-	-
T10	✓	8	15	9	80	15	-	41	50	57	75	-	-	-
T20	MTO	8	30	11	160	22	-		57	64	82	107	132	182

TransDev HTD Series Clamp Plates (with holes)

Pitch	Stock	a1	a2	d	L	H	Belt width (mm)										
							9	15	20	25	30	40	50	55	85	115	170
							Plate width B (mm)										
5M	✓	6	8.2	5.5	41.8	8	28	34	-	44	-	-	-	-	-	-	-
8M	✓	8	13	9	66	15	-	-	45	-	55	-	75	-	110	-	-
14M	✓	10	23	11	116	22	-	-	-	-	-	71	-	86	116	146	201

TransDev Imperial Series Clamp Plates (with holes)

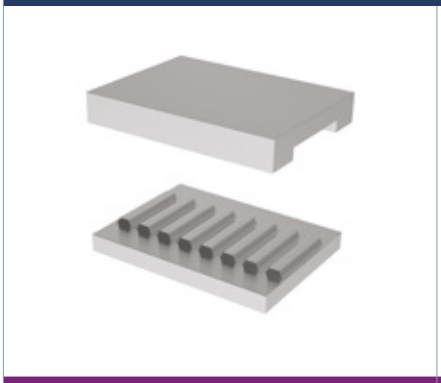
Pitch	Stock	a1	a2	d	L	H	Belt width (inch)				
							0.25	0.37	0.50	0.75	1.00
							Plate width B (mm)				
XL	✓	6	8.5	5.5	42.5	8	25.5	28.5	-	-	-
L	✓	8	14.5	9	76.6	15	-	-	39	45	51.5
H	✓	10	21.7	11	106.9	22	-	-	45	51	57.5

MTO - Made to Order

BRECO® Belt Clamp Plates

BRECO TIMING BELTS

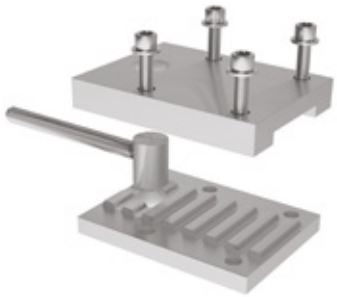
BRECO® - FIX TENSION PLATES



Variant A type 1



Variant A type 2



Variant A type 3



Variant B type 1



Variant B type 2



Variant C

Material = Aluminium

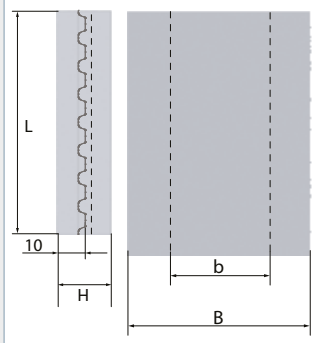
BRECO® - fix tension plates

Pitch	Belt type	Belt width (mm)					
		25	32	50	75	100	150
5mm	T5	Variant A Type 1/2/3	Variant A Type 1/2/3	Variant A Type 1/2/3	-	-	-
	AT5/ATL5	Variant A Type 1/2/3	Variant A Type 1/2/3	Variant A Type 1/2/3	-	-	-
10mm	T10	Variant A Type 1/2/3	Variant A Type 1/2/3	Variant A Type 1/2/3	-	-	-
	AT10	Variant A Type 1/2/3	Variant A Type 1/2/3	Variant A Type 1/2/3	Variant B Type 2	Variant B Type 2	Variant C
	BATK10	-	Variant A Type 1/2/3	Variant A Type 1/2/3	Variant B Type 2	Variant B Type 2	-
	ATL10	Variant A Type 1/2/3	Variant A Type 1/2/3	Variant B Type 1	Variant B Type 2	Variant B Type 2	-
15mm	ATS15	-	-	Variant B Type 1	Variant B Type 2	Variant B Type 2	Variant C
	BATK15	-	-	Variant B Type 1	Variant B Type 2	Variant B Type 2	-
20mm	T20	-	-	Variant B Type 1	Variant B Type 2	Variant B Type 2	Variant C
	AT20	-	-	Variant B Type 1	Variant B Type 2	Variant B Type 2	Variant C
	ATL20	-	-	Variant B Type 1	Variant B Type 2	Variant B Type 2	-

Mulco® Belt Clamp Plates

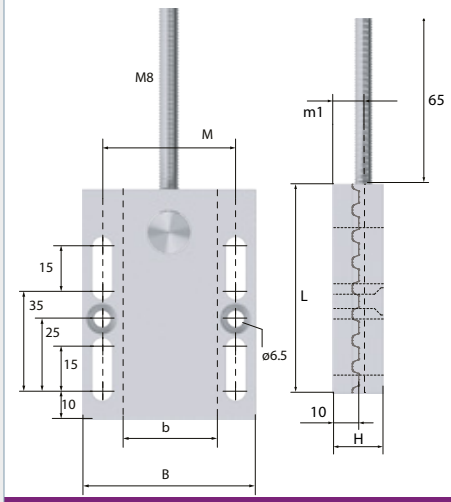
MULCO
THE POWER OF A WELL-MESHED GROUP.

Variant A type 1



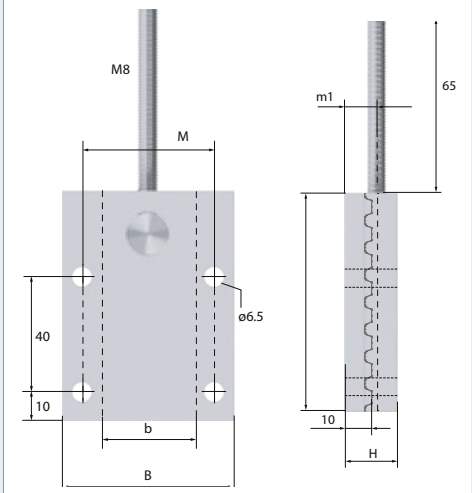
Without holes & tensioning device

Variant A type 2



With long holes & tensioning device

Variant A type 3



With tensioning device threaded holes

Material = Aluminium

Tension plate variant A type 1

Belt width b/ belt type	B (mm)	L (mm)	H (mm)
25 T5	50	80	18.5
32 T5	60	80	18.5
50 T5	75	80	18.5
25 T10	50	80	19.5
32 T10	60	80	19.5
50 T10	75	80	19.5
25 AT5	50	80	19
32 AT5	60	80	19
50 AT5	75	80	19
25 ATL5	50	80	19
32 ATL5	60	80	19
50 ATL5	75	80	19
25 AT10	50	80	19.5
32 AT10	60	80	19.5
50 AT10	75	80	19.5
25ATL10	50	80	19.5
32ATL10	60	80	19.5
32BATK10	60	80	19.5
50BATK10	75	80	19.5

Tension plate variant A type 2

Belt width b/ belt type	B (mm)	L (mm)	M (mm)	m1 (mm)	H (mm)
25 T5	50	80	38	10.25	18.5
32 T5	60	80	46	10.25	18.5
50 T5	75	80	62	10.25	18.5
25 T10	50	80	38	11.25	19.5
32 T10	60	80	46	11.25	19.5
50 T10	75	80	62	11.25	19.5
25 AT5	50	80	38	10.75	19
32 AT5	60	80	46	10.75	19
50 AT5	75	80	62	10.75	19
25 ATL5	50	80	38	10.75	19
32 ATL5	60	80	46	10.75	19
50 ATL5	75	80	62	10.75	19
25 AT10	50	80	38	11.25	19.5
32 AT10	60	80	46	11.25	19.5
50 AT10	75	80	62	11.25	19.5
25ATL10	50	80	38	11.00	19.5
32ATL10	60	80	46	11.00	19.5
32BATK10	60	80	46	11.25	19.5
50BATK10	75	80	62	11.25	19.5

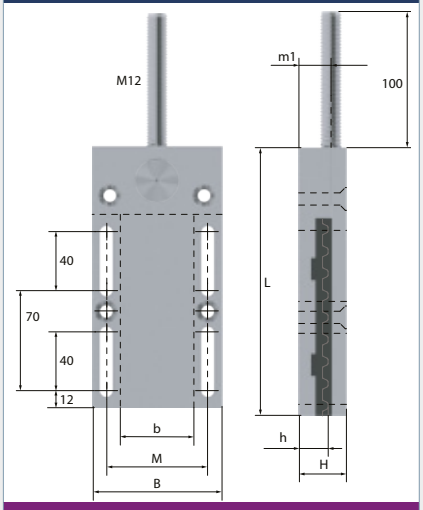
Tension plate variant A type 3

Belt width b/ belt type	B (mm)	L (mm)	M (mm)	m1 (mm)	H (mm)
25 T5	50	80	38	10.25	18.5
32 T5	60	80	46	10.25	18.5
50 T5	75	80	62	10.25	18.5
25 T10	50	80	38	11.25	19.5
32 T10	60	80	46	11.25	19.5
50 T10	75	80	62	11.25	19.5
25 AT5	50	80	38	10.75	19
32 AT5	60	80	46	10.75	19
50 AT5	75	80	62	10.75	19
25 ATL5	50	80	38	10.75	19
32 ATL5	60	80	46	10.75	19
50 ATL5	75	80	62	10.75	19
25 AT10	50	80	38	11.25	19.5
32 AT10	60	80	46	11.25	19.5
50 AT10	75	80	62	11.25	19.5
25ATL10	50	80	38	11.00	19.5
32ATL10	60	80	46	11.00	19.5
32BATK10	60	80	46	11.25	19.5
50BATK10	75	80	62	11.25	19.5

Mulco® Belt Clamp Plates

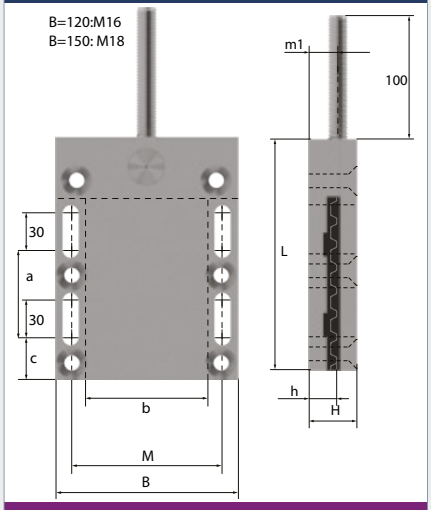
MULCO
THE POWER OF A WELL-MESHED GROUP.

Variant B type 1



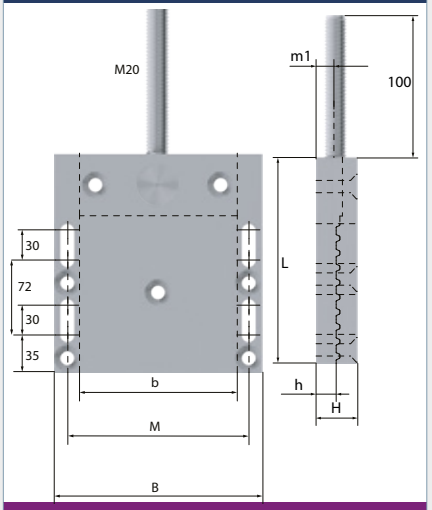
With long holes, tensioning device and toothed insert

Variant B type 2



With long holes, tensioning device and toothed insert

Variant C



With long holes and tensioning device

Material = Aluminium

Tension plate variant B type 1

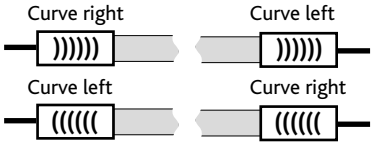
Belt width b/belt type	B (mm)	L (mm)	M (mm)	m1 (mm)	h (mm)	H (mm)
50ATL10	90	180	70	20.5	19.80	32
50ATS15	90	180	70	20.5	19.38	32
50BATK15	90	180	70	20.5	19.58	32
50T20	90	180	70	20.5	19.08	32
50AT20	90	180	70	20.5	19.08	32
50ATL20	90	180	70	20.5	18.68	32



Note:
The toothed insert for 50BATK15 is the same for curve left and right

Tension plate variant B type 2

Belt width b/belt type	B (mm)	L (mm)	M (mm)	m1 (mm)	a (mm)	c (mm)	h (mm)	H (mm)
75AT10	120	180	97	19.5	65	29.5	19.09	33
100AT10	150	200	124	25.5	72	35	25.09	42
75BATK10	120	180	97	19.5	65	29.5	19.09	33
100BATK10	150	200	124	25.5	72	35	25.09	42
75ATL10	120	180	97	19.5	65	29.5	18.80	33
100ATL10	150	200	124	25.5	72	35	24.80	42
75ATS15	120	180	97	19.5	65	29.5	18.38	33
100ATS15	150	200	124	25.5	72	35	24.38	42
75BATK15	120	180	97	19.5	65	29.5	18.58	33
100BATK15	150	200	124	25.5	72	35	24.58	42
75T20	120	180	97	19.5	65	29.5	18.08	33
100T20	150	200	124	25.5	72	35	24.08	42
75AT20	120	180	97	19.5	65	29.5	18.08	33
100AT20	150	200	124	25.5	72	35	24.08	42
75ATL20	120	180	97	19.5	65	29.5	17.68	33
100ATL20	150	200	124	25.5	72	35	23.68	42



Note:
The gear inserts for BATK10 and BATK15 depend on the curve direction left or right. For the timing belt types 75BATK10/BATK15 and 100BATK10/BATK15 it is necessary to indicate the curve direction

Note:
The gear inserts for BATK10 and BATK15 depend on the curve direction left or right. For the timing belt types 75BATK10/BATK15 and 100BATK10/BATK15 it is necessary to indicate the curve direction

Tension plate variant C

Belt width b/belt type	B (mm)	L (mm)	M (mm)	m1 (mm)	h (mm)	H (mm)
150AT10	200	210	174	25.5	25.05	42
150ATS15	200	210	174	25.5	24.25	42
150T20	200	210	174	25.5	24.20	42
150AT20	200	210	174	25.5	23.85	42

DRIVEFLEX

V Pulleys



- INDUSTRY STANDARD
- WIDE RANGE
- HIGH QUALITY
- BLACK PHOSPHATED
- FULL TECHNICAL SUPPORT



DRIVEFLEX

FRICTION DRIVE SERIES TIMING PULLEYS

TransDev hold a large stock of V pulleys in taper lock bush type.

Introduction

TransDev hold a large stock of V pulleys in taper lock bush type. The material used for small and medium sizes is Steel, larger sizes in Cast Iron. See individual catalogue pages for specific materials and dimensions. In addition TransDev is the largest producer of special pulleys in the United Kingdom and can manufacture to suit your individual requirements in the following pitches and types.

V Belt Pulleys	Poly V Belt Pulleys	Flat Belt Pulleys	Round Belt Pulleys
SPZ	J	Crowned	Pulleys to suit our Volta range of round Polyurethane belting, can be produced in different diameters and materials.
SPA	K	Uncrowned	
SPB	L		
SPC	M		

TransDev manufacturing

TransDev MANUFACTURING

Special manufacturered products are supplied and finished to customer specifications, including heat treatment and protective finishes. We have the resources to manage large contracts as well as the flexibility to meet small prototype requirements.
In addition to specials, TransDev holds £¼ million of stock pulleys and gears available for immediate dispatch or reworked to achieve a fast delivery option.

Benefits

- Rapid
- Total traceability
- High efficiency
- Accurate deliveries
- Standard and prototype/ Express cells
- Customer priority scheduling
- Extensive inspection facilities
- BS EN ISO 9002 accreditation

Materials

- Aluminium
- Steel, Stainless Steel
- Cast Iron
- Plastics

Capacity

- Diameters from 3mm (0.125") to 1 metre (39")
- Face widths up to 880mm (32")



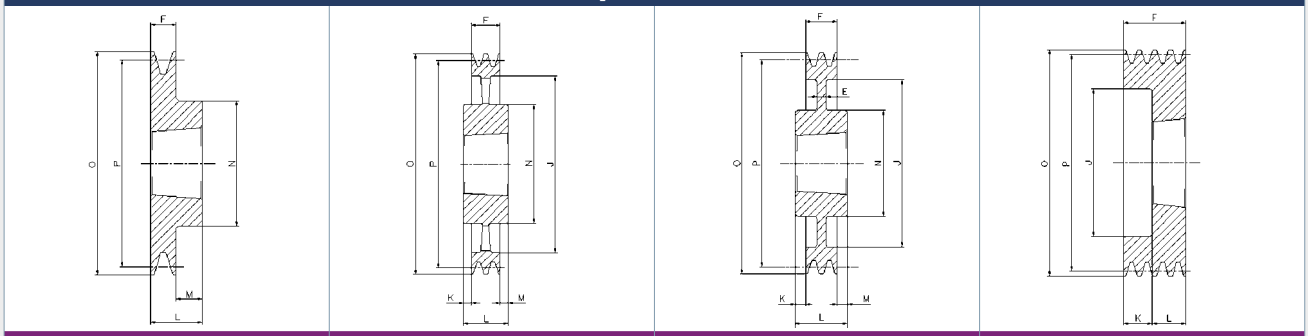


SPZ 1 Groove V Pulleys Taper Bore

DRIVEFLEX

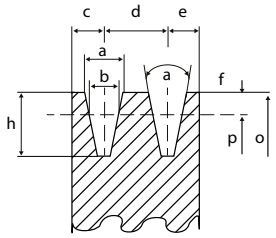
24 244 249 958

Taper Bore



TYPE 1 | TYPE 4 | TYPE 7 | TYPE 9

- Material – Steel or Cast Iron



Groove detail

a	b	c	d	e	f	h	a 34	a 38
9.7	8.5	8	12	8	2	11	P<=80	P>80

Code	Stock size	Diameter P (mm)	Diameter O (mm)	Type	Bush	Bore ø max.	E	F	J	K	L	M	N
SPZ250/1	✓	50	54	9	1008	25	-	37	26	12	25	-	-
SPZ56/1	✓	56	60	9	1008	25	-	37	32	12	25	-	-
SPZ60/1	✓	60	64	1	1008	25	-	22	-	-	22	-	-
SPZ63/1	✓	63	67	1	1108	28	-	16	-	-	22	6	56
SPZ67/1	✓	67	71	1	1108	28	-	16	-	-	22	6	60
SPZ71/1	✓	71	75	1	1108	28	-	16	-	-	22	6	60
SPZ75/1	✓	75	79	1	1108	28	-	16	-	-	22	6	60
SPZ80/1	✓	80	84	1	1210	32	-	16	-	-	25	9	75
SPZ85/1	✓	85	89	1	1210	32	-	16	-	-	25	9	80
SPZ90/1	✓	90	94	1	1210	32	-	16	-	-	25	9	80
SPZ95/1	✓	95	99	1	1210	32	-	16	-	-	25	9	85
SPZ100/1	✓	100	104	1	1210	32	-	16	-	-	25	9	85
SPZ106/1	✓	106	110	1	1610	42	-	16	-	-	25	9	92
SPZ112/1	✓	112	116	1	1610	42	-	16	-	-	25	9	92
SPZ118/1	✓	118	122	1	1610	42	-	16	-	-	25	9	92
SPZ125/1	✓	125	129	1	1610	42	-	16	-	-	25	9	92
SPZ132/1	✓	132	136	1	1610	42	-	16	-	-	25	9	92
SPZ140/1	✓	140	144	1	1610	42	-	16	-	-	25	9	92
SPZ150/1	✓	150	154	1	1610	42	-	16	-	-	25	9	92
SPZ160/1	✓	160	164	1	1610	42	-	16	-	-	25	9	92
SPZ170/1	✓	170	174	1	1610	42	-	16	-	-	25	9	92
SPZ180/1	✓	180	184	7	1610	42	6	16	152	-	25	9	92
SPZ190/1	✓	190	194	7	1610	42	12	16	162	-	25	9	92
SPZ200/1	✓	200	204	7	2012	50	10	16	171	-	32	16	112
SPZ224/1	✓	224	228	7	2012	50	15	16	195	-	32	16	112
SPZ250/1	✓	250	254	4	2012	50	-	16	221	8	32	8	112
SPZ280/1	✓	280	284	4	2012	50	-	16	251	8	32	8	112
SPZ315/1	✓	315	319	4	2012	50	-	16	286	8	32	8	112
SPZ355/1	✓	355	359	4	2012	50	-	16	326	8	32	8	112
SPZ400/1	✓	400	404	4	2012	50	-	16	371	8	32	8	112
SPZ450/1	✓	450	454	4	2517	60	-	16	421	14.5	45	14.5	124

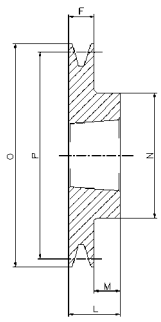
Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked pulleys please contact our Manufacturing Department for a quotation.

SPZ 2 Groove V Pulleys Taper Bore

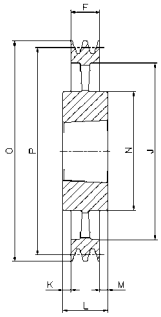
244 249 958

DRIVEFLEX

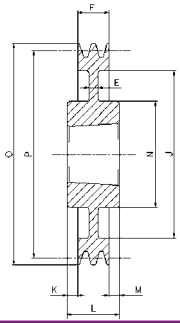
Taper Bore



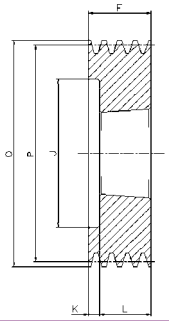
TYPE 1



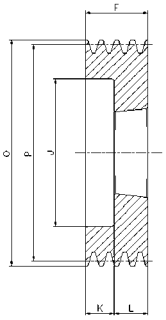
TYPE 4



TYPE 7



TYPE 8

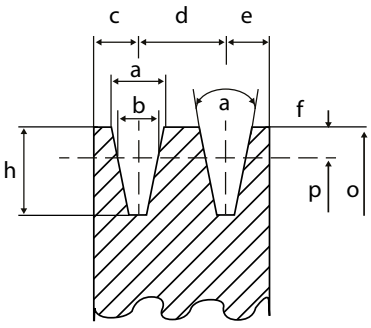


TYPE 9

- Material – Steel or Cast Iron

Groove detail

a	b	c	d	e
9.7	8.5	8	12	8
f	h	a 34	a 38	
2	11	P<=80	P>80	



24hr Breakdown available | Customisable product | Product code builder | Compatible product

SPZ 2 Groove V Pulleys Taper Bore

DRIVEFLEX



Code	Stock size	Diameter P (mm)	Diameter O (mm)	Type	Bush	Bore ø max.	E	F	J	K	L	M	N
SPZ50/2	✓	50	54	9	1008	25	-	50	26	25	25	-	-
SPZ56/2	✓	56	60	9	1008	25	-	49	32	27	22	-	-
SPZ60/2	✓	60	64	9	1108	28	-	49	36	27	22	-	-
SPZ63/2	✓	63	67	8	1108	28	-	28	40	6	22	-	-
SPZ67/2	✓	67	71	8	1108	28	-	28	42	6	22	-	-
SPZ71/2	✓	71	75	8	1108	28	-	28	42	6	22	-	-
SPZ75/2	✓	75	79	8	1210	32	-	28	51	3	25	-	-
SPZ80/2	✓	80	84	8	1210	32	-	28	51	3	25	-	-
SPZ85/2	✓	85	89	8	1610	42	-	28	60	3	25	-	-
SPZ90/2	✓	90	94	8	1610	42	-	28	61	3	25	-	-
SPZ95/2	✓	95	99	8	1610	42	-	28	66	3	25	-	-
SPZ100/2	✓	100	104	8	1610	42	-	28	71	3	25	-	-
SPZ106/2	✓	106	110	8	1610	42	-	28	76	3	25	-	-
SPZ112/2	✓	112	116	8	1610	42	-	28	83	3	25	-	-
SPZ118/2	✓	118	122	8	1610	42	-	28	90	3	25	-	-
SPZ125/2	✓	125	129	8	1610	42	-	28	96	3	25	-	-
SPZ132/2	✓	132	136	8	1610	42	-	28	103	3	25	-	-
SPZ140/2	✓	140	144	8	1610	42	-	28	111	3	25	-	-
SPZ150/2	✓	150	154	1	2012	50	-	28	-	-	32	4	112
SPZ160/2	✓	160	164	1	2012	50	-	28	-	-	32	4	112
SPZ170/2	✓	170	174	1	2012	50	-	28	-	-	32	4	112
SPZ180/2	✓	180	184	7	2012	50	6	28	152	-	32	4	112
SPZ190/2	✓	190	194	7	2012	50	12	28	162	-	32	4	112
SPZ200/2	✓	200	204	7	2012	50	6	28	171	-	32	4	112
SPZ224/2	✓	224	228	7	2012	50	15	28	195	-	32	4	112
SPZ250/2	✓	250	254	4	2012	50	-	28	221	2	32	2	112
SPZ280/2	✓	280	284	4	2012	50	-	28	251	2	32	2	112
SPZ315/2	✓	315	319	4	2012	50	-	28	286	2	32	2	112
SPZ355/2	✓	355	359	4	2012	50	-	28	326	2	32	2	112
SPZ400/2	✓	400	404	4	2517	60	-	28	371	8.5	45	8.5	124
SPZ450/2	✓	450	454	4	2517	60	-	28	421	8.5	45	8.5	124
SPZ500/2	✓	500	504	4	2517	60	-	28	-	-	-	-	-

Taper Bore

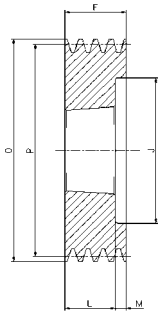
Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked pulleys please contact our Manufacturing Department for a quotation.

SPZ 3 Groove V Pulleys Taper Bore

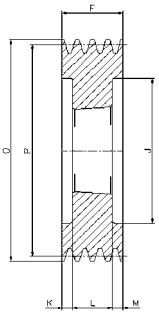
24 244 249 958

DRIVEFLEX

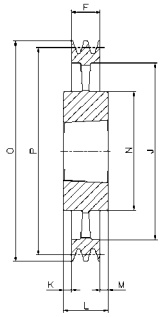
Taper Bore



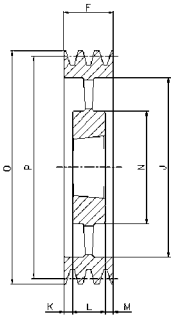
TYPE 2



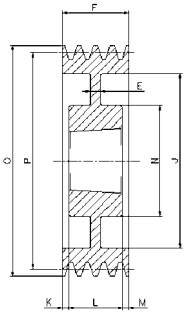
TYPE 3



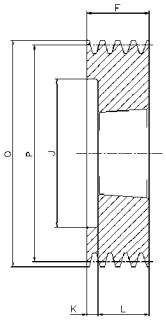
TYPE 4



TYPE 5



TYPE 6

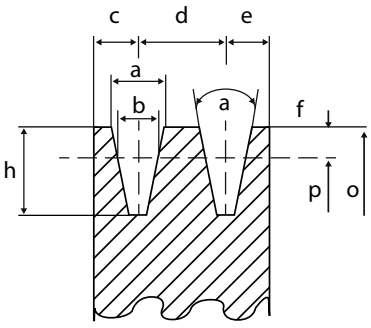


TYPE 8

- Material – Steel or Cast Iron

Groove detail

a	b	c	d	e
9.7	8.5	8	12	8
f	h	a 34	a 38	
2	11	P<=80	P>80	



24hr Breakdown available | Customisable product | Product code builder | Compatible product

SPZ 3 Groove V Pulleys Taper Bore

DRIVEFLEX



Code	Stock size	Diameter P (mm)	Diameter O (mm)	Type	Bush	Bore ø max.	E	F	J	K	L	M	N
SPZ63/3	✓	63	67	8	1108	28	-	40	40	22	-	-	-
SPZ67/3	✓	67	71	8	1108	28	-	40	42	18	22	-	-
SPZ71/3	✓	71	75	8	1108	28	-	40	42	18	22	-	-
SPZ75/3	✓	75	79	8	1210	32	-	40	51	15	25	-	-
SPZ80/3	✓	80	84	8	1210	32	-	40	51	15	25	-	-
SPZ85/3	✓	85	89	8	1610	42	-	40	60	15	25	-	-
SPZ90/3	✓	90	94	8	1610	42	-	40	61	15	25	-	-
SPZ95/3	✓	95	99	8	1610	42	-	40	66	15	25	-	-
SPZ100/3	✓	100	104	8	1610	42	-	40	71	15	25	-	-
SPZ106/3	✓	106	110	8	1610	42	-	40	76	15	25	-	-
SPZ112/3	✓	112	116	8	2012	50	-	40	83	8	32	-	-
SPZ118/3	✓	118	122	8	2012	50	-	40	90	8	32	-	-
SPZ125/3	✓	125	129	2	2012	50	-	40	96	-	32	8	-
SPZ132/3	✓	132	136	2	2012	50	-	40	103	-	32	8	-
SPZ140/3	✓	140	144	2	2012	50	-	40	111	-	32	8	-
SPZ150/3	✓	150	154	2	2012	50	-	40	121	-	32	8	-
SPZ160/3	✓	160	164	2	2012	50	-	40	131	-	32	8	-
SPZ170/3	✓	170	174	3	2012	50	-	40	141	4	32	4	-
SPZ180/3	✓	180	184	6	2012	50	7	40	151	-	32	8	106
SPZ190/3	✓	190	194	6	2012	50	10	40	161	4	32	4	112
SPZ200/3	✓	200	204	6	2012	50	10	40	171	4	32	4	112
SPZ224/3	✓	224	228	6	2012	50	12	40	195	4	32	4	112
SPZ250/3	✓	250	254	5	2012	50	-	40	221	4	32	4	112
SPZ280/3	✓	280	284	4	2517	60	-	40	251	2.5	45	2.5	124
SPZ315/3	✓	315	319	4	2517	60	-	40	286	2.5	45	2.5	124
SPZ355/3	✓	355	359	4	2517	60	-	40	326	2.5	45	2.5	124
SPZ400/3	✓	400	404	4	2517	60	-	40	371	2.5	45	2.5	124
SPZ450/3	✓	450	454	4	2517	60	-	40	421	2.5	45	2.5	124
SPZ500/3	✓	500	504	4	2517	60	-	40	471	2.5	45	2.5	124
SPZ630/3		630	634	4	3020	75	-	40	601	5.5	51	5.5	150
SPZ800/3		800	804	4	3020	75	-	40	771	5.5	51	5.5	146

Taper Bore

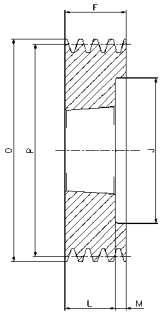
Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked pulleys please contact our Manufacturing Department for a quotation.

SPZ 4 Groove V Pulleys Taper Bore

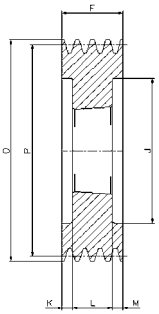
24 244 249 958

DRIVEFLEX

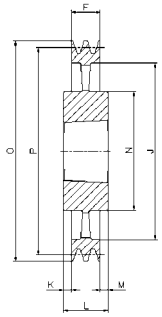
Taper Bore



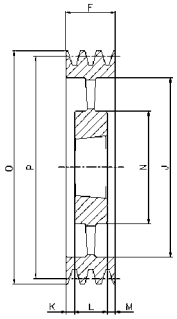
TYPE 2



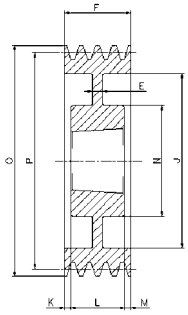
TYPE 3



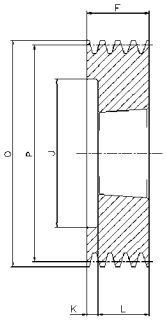
TYPE 4



TYPE 5



TYPE 6

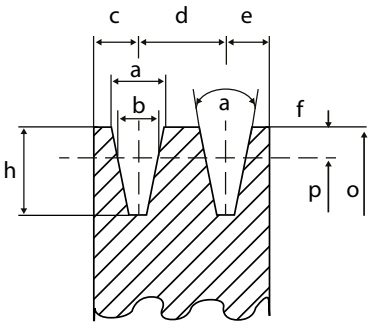


TYPE 8

- Material – Steel or Cast Iron

Groove detail

a	b	c	d	e
9.7	8.5	8	12	8
f	h	a 34	a 38	
2	11	P<=80	P>80	



24hr Breakdown available | Customisable product | Product code builder | Compatible product

SPZ 4 Groove V Pulleys Taper Bore

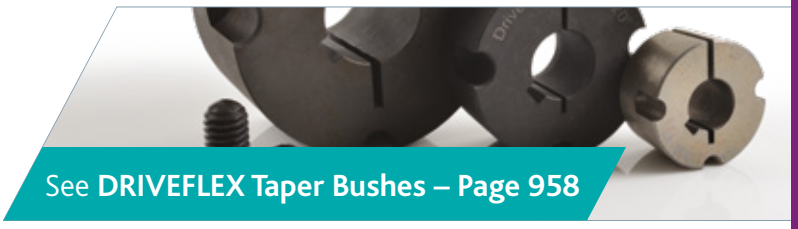
DRIVEFLEX

24 244 249 958

Code	Stock size	Diameter P (mm)	Diameter O (mm)	Type	Bush	Bore ø max.	E	F	J	K	L	M	N
SPZ80/4	✓	80	84	8	1210	32	-	52	51	27	25	-	-
SPZ85/4	✓	85	89	8	1610	42	-	52	60	27	25	-	-
SPZ90/4	✓	90	94	8	1610	42	-	52	61	27	25	-	-
SPZ95/4	✓	95	99	8	1610	42	-	52	66	27	25	-	-
SPZ100/4	✓	100	104	8	1610	42	-	52	71	27	25	-	-
SPZ106/4	✓	106	110	8	1610	42	-	52	76	27	25	-	-
SPZ112/4	✓	112	116	8	2012	50	-	52	83	20	32	-	-
SPZ118/4	✓	118	122	8	2012	50	-	52	90	20	32	-	-
SPZ125/4	✓	125	129	2	2012	50	-	52	96	-	32	20	-
SPZ132/4	✓	132	136	2	2012	50	-	52	103	-	32	20	-
SPZ140/4	✓	140	144	2	2012	50	-	52	111	-	32	20	-
SPZ150/4	✓	150	154	2	2517	60	-	52	121	-	45	7	-
SPZ160/4	✓	160	164	2	2517	60	-	52	131	-	45	7	-
SPZ170/4	✓	170	174	2	2517	60	-	52	141	-	45	7	-
SPZ180/4	✓	180	184	2	2517	60	-	52	151	-	45	7	-
SPZ190/4	✓	190	194	3	2517	60	-	52	161	3.5	45	3.5	-
SPZ200/4	✓	200	204	6	2517	60	8	52	171	3.5	45	3.5	124
SPZ224/4	✓	224	228	6	2517	60	14	52	195	3.5	45	3.5	124
SPZ250/4	✓	250	254	6	2517	60	12	52	221	3.5	45	3.5	124
SPZ280/4	✓	280	284	6	2517	60	14	52	251	3.5	45	3.5	124
SPZ315/4	✓	315	319	5	2517	60	-	52	286	3.5	45	3.5	124
SPZ355/4	✓	355	359	5	2517	60	-	52	326	3.5	45	3.5	124
SPZ400/4	✓	400	404	5	2517	60	-	52	371	3.5	45	3.5	124
SPZ450/4	✓	450	454	5	3020	75	-	52	421	0.5	51	0.5	146
SPZ500/4	✓	500	504	5	3020	75	-	52	471	0.5	51	0.5	146
SPZ630/4	✓	630	634	4	3030	75	-	52	601	12	76	12	146
SPZ800/4		800	804	4	3030	75	-	52	771	12	76	12	146

Taper Bore

Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked pulleys please contact our Manufacturing Department for a quotation.



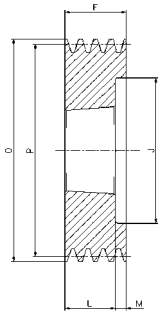
See DRIVEFLEX Taper Bushes – Page 958

SPZ 5 Groove V Pulleys Taper Bore

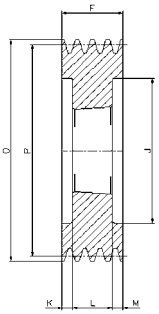
24 244 249 958

DRIVEFLEX

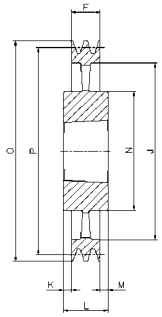
Taper Bore



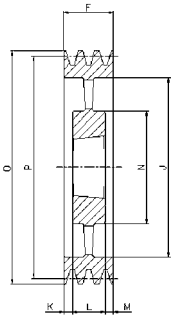
TYPE 2



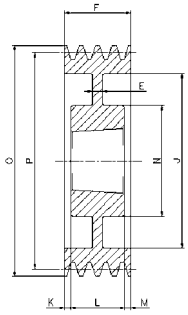
TYPE 3



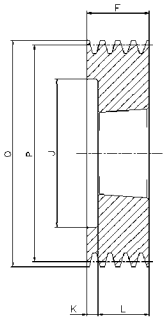
TYPE 4



TYPE 5



TYPE 6

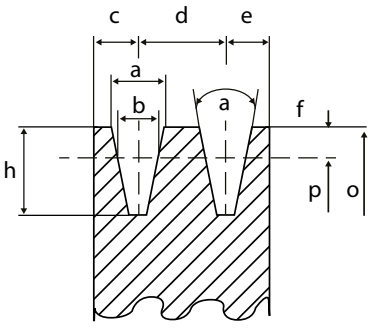


TYPE 8

- Material – Steel or Cast Iron

Groove detail

a	b	c	d	e
9.7	8.5	8	12	8
f	h	a 34	a 38	
2	11	P<=80	P>80	



24hr Breakdown available | Customisable product | Product code builder | Compatible product

SPZ 5 Groove V Pulleys Taper Bore

DRIVEFLEX

24 244 249 958

Code	Stock size	Diameter P (mm)	Diameter O (mm)	Type	Bush	Bore ø max.	E	F	J	K	L	M	N
SPZ85/5	✓	85	89	8	1610	42	-	64	60	39	25	-	-
SPZ90/5	✓	90	94	8	1610	42	-	64	61	39	25	-	-
SPZ95/5	✓	95	99	8	1610	42	-	64	66	39	25	-	-
SPZ100/5	✓	100	104	8	2012	50	-	64	71	32	32	-	-
SPZ106/5	✓	106	110	8	2012	50	-	64	76	32	32	-	-
SPZ112/5	✓	112	116	8	2012	50	-	64	83	32	32	-	-
SPZ118/5	✓	118	122	8	2012	50	-	64	90	32	32	-	-
SPZ125/5	✓	125	129	8	2012	50	-	64	96	32	32	-	-
SPZ132/5	✓	132	136	8	2517	60	-	64	103	19	45	19	-
SPZ140/5	✓	140	144	2	2517	60	-	64	111	-	45	19	-
SPZ150/5	✓	150	154	2	2517	60	-	64	121	-	45	19	-
SPZ160/5	✓	160	164	2	2517	60	-	64	131	-	45	19	-
SPZ170/5	✓	170	174	2	2517	60	-	64	141	-	45	19	-
SPZ180/5	✓	180	184	2	2517	60	-	64	151	-	45	19	-
SPZ190/5	✓	190	194	3	2517	60	-	64	161	9.5	45	9.5	-
SPZ200/5	✓	200	204	3	2517	60	-	64	171	9.5	45	9.5	-
SPZ224/5	✓	224	228	6	2517	60	20	64	195	9.5	45	9.5	124
SPZ250/5	✓	250	254	6	2517	60	16	64	221	9.5	45	9.5	124
SPZ280/5	✓	280	284	6	2517	60	15	64	251	9.5	45	9.5	124
SPZ315/5	✓	315	319	5	2517	60	-	64	286	9.5	45	9.5	124
SPZ355/5	✓	355	359	5	2517	60	-	64	326	9.5	45	9.5	124
SPZ400/5	✓	400	404	5	3020	75	-	64	371	6.5	51	6.5	146
SPZ450/5	✓	450	454	5	3020	75	-	64	421	6.5	51	6.5	146
SPZ500/5	✓	500	504	4	3030	75	-	64	471	6	76	6	146
SPZ630/5	✓	630	634	4	3030	75	-	64	601	6	76	6	146
SPZ800/5	✓	800	804	4	3535	90	-	64	771	12.5	89	12.5	178

Taper Bore

Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked pulleys please contact our Manufacturing Department for a quotation.



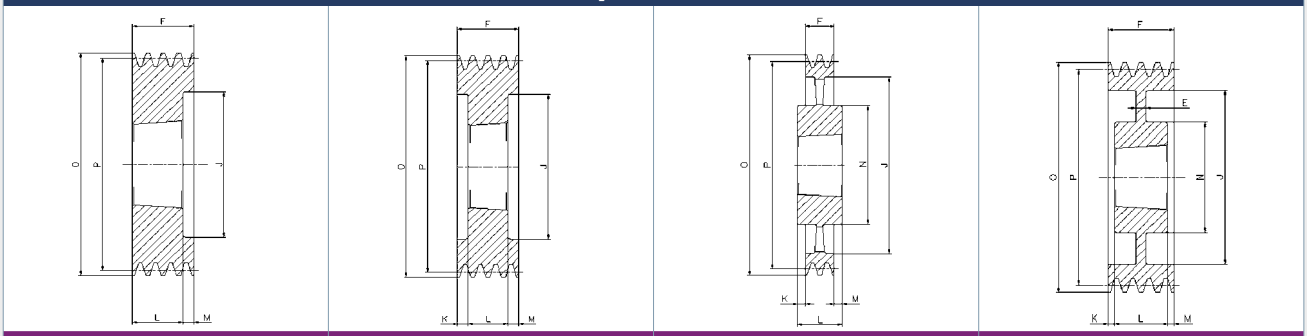
See Design Software – Page 30

SPZ 6 Groove V Pulleys Taper Bore

244 249 958

DRIVEFLEX

Taper Bore



TYPE 2 | TYPE 3 | TYPE 4 | TYPE 6

- Material – Steel or Cast Iron

Code	Stock size	Diameter P (mm)	Diameter O (mm)	Type	Bush	Bore ø max.	E	F	J	K	L	M	N
SPZ90/6		90	94	8	1610	42	-	76	61	51	25	-	-
SPZ95/6	✓	95	99	8	1610	42	-	76	66	51	25	-	-
SPZ100/6	✓	100	104	8	2012	50	-	76	71	44	32	-	-
SPZ106/6	✓	106	110	8	2012	50	-	76	76	44	32	-	-
SPZ112/6	✓	112	116	8	2012	50	-	76	83	44	32	-	-
SPZ118/6	✓	118	122	8	2517	60	-	76	90	31	45	-	-
SPZ125/6	✓	125	129	8	2517	60	-	76	96	31	45	-	-
SPZ132/6	✓	132	136	8	2517	60	-	76	103	31	45	-	-
SPZ140/6	✓	140	144	2	2517	60	-	76	111	-	45	31	-
SPZ150/6	✓	150	154	2	2517	60	-	76	121	-	45	31	-
SPZ160/6	✓	160	164	2	2517	60	-	76	131	-	45	31	-
SPZ170/6	✓	170	174	2	2517	60	-	76	141	-	45	31	-
SPZ180/6	✓	180	184	3	2517	60	-	76	151	15.5	45	15.5	-
SPZ190/6	✓	190	194	3	2517	60	-	76	161	15.5	45	15.5	124
SPZ200/6	✓	200	204	3	2517	60	-	76	171	15.5	45	15.5	124
SPZ224/6	✓	224	228	6	2517	60	26	76	195	15.5	45	15.5	124
SPZ250/6	✓	250	254	6	2517	60	26	76	221	15.5	45	15.5	124
SPZ280/6	✓	280	284	6	2517	60	15	76	251	15.5	45	15.5	124
SPZ315/6	✓	315	319	6	2517	60	15	76	286	15.5	45	15.5	124
SPZ355/6	✓	355	359	5	2517	60	-	76	326	15.5	45	15.5	124
SPZ400/6	✓	400	404	5	3030	75	-	76	371	-	76	-	146
SPZ450/6	✓	450	454	5	3030	75	-	76	421	-	76	-	146
SPZ500/6	✓	500	504	5	3030	75	-	76	471	-	76	-	146
SPZ630/6	✓	630	634	4	3535	90	-	76	601	6.5	89	6.5	175
SPZ800/6	✓	800	804	4	3535	90	-	76	771	6.5	89	6.5	178

Taper Bore

Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked pulleys please contact our Manufacturing Department for a quotation.

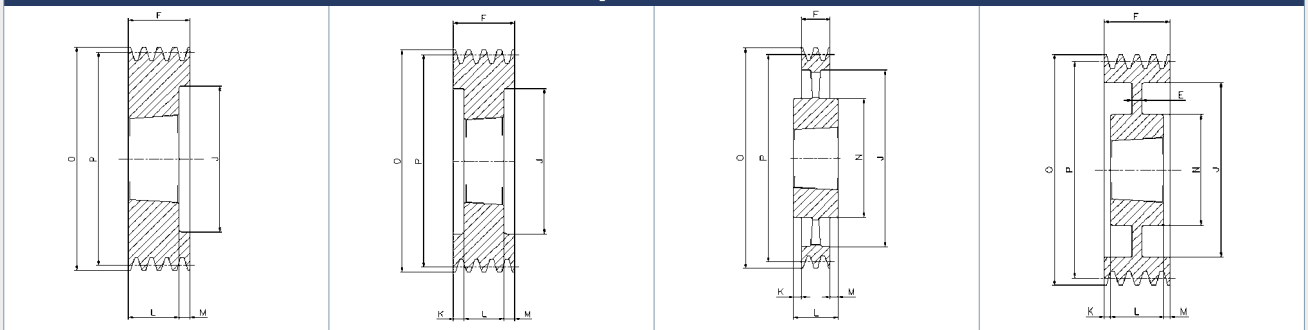
24hr Breakdown available | Customisable product | Product code builder | Compatible product

SPZ 8 Groove V Pulleys Taper Bore

DRIVEFLEX

24 244 249 958

Taper Bore



TYPE 2 | TYPE 3 | TYPE 4 | TYPE 6

- Material – Steel or Cast Iron

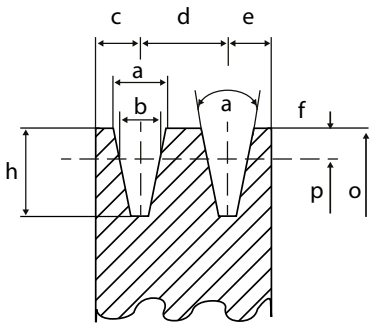
Code	Stock size	Diameter P (mm)	Diameter O (mm)	Type	Bush	Bore ø max.	E	F	J	K	L	M	N
SPZ140/8	✓	140	144	3	2517	60	-	100					-
SPZ150/8	✓	150	154	3	2517	60	-	100	121	27.5	45	27.5	-
SPZ160/8	✓	160	164	3	2517	60	-	100	131	27.5	45	27.5	-
SPZ180/8	✓	180	184	3	2517	60	-	100	151	27.5	45	27.5	-
SPZ200/8	✓	200	204	3	3020	75	-	100	171	24.5	51	24.5	-
SPZ224/8	✓	224	228	3	3020	75	-	100	195	24.5	51	24.5	-
SPZ250/8	✓	250	254	6	3020	75	20	100	221	24.5	51	24.5	146
SPZ280/8	✓	280	284	6	3020	75	20	100	251	24.5	51	24.5	146
SPZ355/8	✓	355	359	5	3030	75	-	100	326	12	76	12	146
SPZ400/8	✓	400	404	5	3030	75	-	100	371	12	76	12	146
SPZ450/8	✓	450	454	5	3535	90	-	100	421	5.5	89	5.5	175

Taper Bore

Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked pulleys please contact our Manufacturing Department for a quotation.

Groove detail

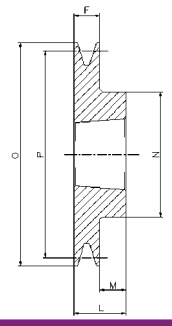
a	b	c	d	e
9.7	8.5	8	12	8
f	**h**	**a 34**	**a 38**	
2	11	P<=80	P>80	



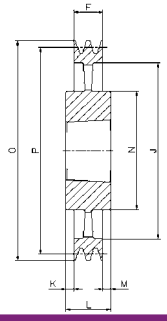
SPA 1 Groove V Pulleys Taper Bore

DRIVEFLEX

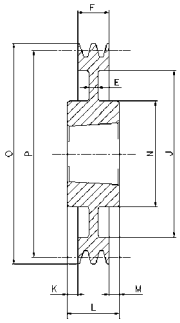
Taper Bore



TYPE 1



TYPE 4

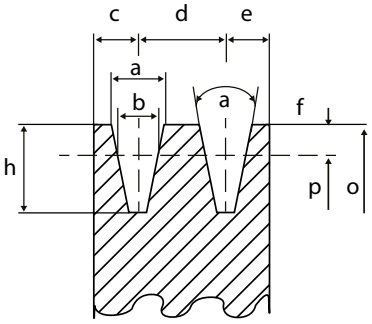


TYPE 7

- Material – Steel or Cast Iron

Groove detail

a	b	c	d	e
12.7	11	10	15	10
f	**h**	**a 34**	**a 38**	
2.8	13.8	P<=118	P>118	





See V Belts – Page 241

SPA 1 Groove V Pulleys Taper Bore

DRIVEFLEX



Code	Stock size	Diameter P (mm)	Diameter O (mm)	Type	Bush	Bore ø max.	E	F	J	K	L	M	N
SPA63/1	✓	63	68.5	1	1008	25	-	20	-	-	22	2	56
SPA67/1	✓	67	72.5	1	1108	28	-	20	-	-	22	2	56
SPA71/1	✓	71	76.5	1	1108	28	-	20	-	-	22	2	60
SPA75/1	✓	75	80.5	1	1108	28	-	20	-	-	22	2	56
SPA80/1	✓	80	85.5	1	1210	32	-	20	-	-	25	5	75
SPA85/1	✓	85	90.5	1	1210	32	-	20	-	-	25	5	80
SPA90/1	✓	90	95.5	1	1210	32	-	20	-	-	25	5	80
SPA95/1	✓	95	100.5	1	1210	32	-	20	-	-	25	5	85
SPA100/1	✓	100	105.5	1	1610	42	-	20	-	-	25	5	85
SPA106/1	✓	106	111.5	1	1610	42	-	20	-	-	25	5	92
SPA112/1	✓	112	117.5	1	1610	42	-	20	-	-	25	5	92
SPA118/1	✓	118	123.5	1	1610	42	-	20	-	-	25	5	92
SPA125/1	✓	125	130.5	1	1610	42	-	20	-	-	25	5	92
SPA132/1	✓	132	137.5	1	1610	42	-	20	-	-	25	5	92
SPA140/1	✓	140	145.5	1	1610	42	-	20	-	-	25	5	92
SPA150/1	✓	150	155.5	1	1610	42	-	20	-	-	25	5	92
SPA160/1	✓	160	165.5	1	1610	42	-	20	-	-	25	5	92
SPA170/1	✓	170	175.5	1	1610	42	-	20	-	-	25	5	92
SPA180/1	✓	180	185.5	7	1610	42	6	20	145	-	25	5	92
SPA190/1	✓	190	195.5	7	1610	42	6	20	156	-	25	5	92
SPA200/1	✓	200	205.5	7	2012	50	6	20	165	-	32	12	108
SPA212/1	✓	212	217.5	7	2012	50	10	20	177	-	32	12	110
SPA224/1	✓	224	229.5	7	2012	50	10	20	189	-	32	12	112
SPA236/1		236	241.5	7	2012	50	10	20	202	-	32	12	112
SPA250/1	✓	250	255.5	7	2012	50	10	20	215	6	32	6	112
SPA280/1	✓	280	285.5	7	2012	50	10	20	245	-	32	12	112
SPA300/1	✓	300	305.5	7	2012	50	10	20	275	-	32	12	112
SPA315/1	✓	315	320.5	7	2012	50	12	20	280	-	32	12	112
SPA355/1	✓	355	360.5	4	2012	50	-	20	320	-	32	12	112
SPA400/1	✓	400	405.5	4	2012	50	-	20	365	-	32	12	112
SPA450/1	✓	450	455.5	4	2012	50	-	20	415	-	32	12	112
SPA500/1	✓	500	505.5	4	2517	60	-	20	465	-	45	25	124
SPA630/1	✓	630	635.5	4	2517	60	-	20	595	-	45	25	124

Taper Bore

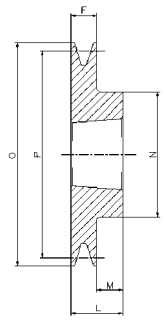
Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked pulleys please contact our Manufacturing Department for a quotation.

SPA 2 Groove V Pulleys Taper Bore

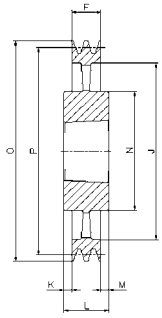
24 245 250 958

DRIVEFLEX

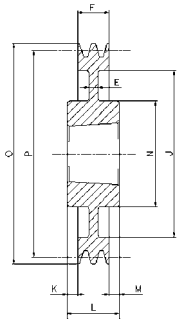
Taper Bore



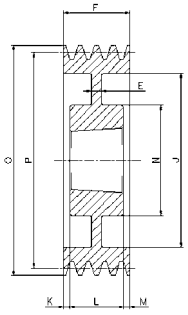
TYPE 1



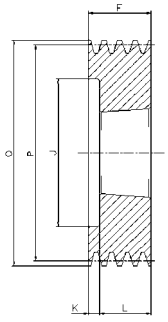
TYPE 4



TYPE 7



TYPE 6

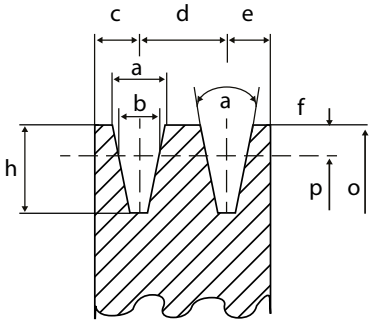


TYPE 8

- Material – Steel or Cast Iron

Groove detail

a	b	c	d	e
12.7	11	10	15	10
f	**h**	**a 34**	**a 38**	
2.8	13.8	P<=118	P>118	



24hr Breakdown available | Customisable product | Product code builder | Compatible product

SPA 2 Groove V Pulleys Taper Bore

DRIVEFLEX



Code	Stock size	Diameter P (mm)	Diameter O (mm)	Type	Bush	Bore ø max.	E	F	J	K	L	M	N
SPA63/2	✓	63	68.5	8	1008	28	-	35	32.5	13	22	-	0
SPA67/2	✓	67	72.5	8	1108	28	-	35	37	13	22	-	0
SPA71/2	✓	71	76.5	8	1108	28	-	35	40	13	22	-	0
SPA75/2	✓	75	80.5	8	1108	28	-	35	44	13	25	-	0
SPA80/2	✓	80	85.5	8	1210	32	-	35	50	10	25	-	0
SPA85/2	✓	85	90.5	8	1210	32	-	35	55	10	25	-	0
SPA90/2	✓	90	95.5	8	1610	42	-	35	59	10	25	-	0
SPA95/2	✓	95	100.5	8	1610	42	-	35	63	10	25	-	0
SPA100/2	✓	100	105.5	8	1610	42	-	35	66	10	25	-	0
SPA106/2	✓	106	111.5	8	1610	42	-	35	72	10	25	-	0
SPA112/2	✓	112	117.5	8	1610	42	-	35	78	10	25	-	0
SPA118/2	✓	118	123.5	8	1610	42	-	35	84	10	25	-	0
SPA125/2	✓	125	130.5	8	1610	42	-	35	91	10	25	-	0
SPA132/2	✓	132	137.5	8	2012	50	-	35	98	3	32	-	0
SPA140/2	✓	140	145.5	8	2012	50	-	35	106	3	32	-	0
SPA150/2	✓	150	155.5	8	2012	50	-	35	116	3	32	-	0
SPA160/2	✓	160	165.5	8	2012	50	-	35	125	3	32	-	0
SPA170/2	✓	170	175.5	8	2012	50	-	35	135	3	32	-	0
SPA180/2	✓	180	185.5	6	2012	50	10	35	146	1.5	32	1.5	108
SPA190/2	✓	190	195.5	6	2012	50	6	35	156	-	32	3	108
SPA200/2	✓	200	205.5	7	2517	60	10	35	165	5	45	5	123
SPA212/2	✓	212	217.5	7	2517	60	18	35	177	5	45	5	123
SPA224/2	✓	224	229.5	7	2517	60	18	35	189	-	45	10	124
SPA236/2	✓	236	241.5	7	2517	60	12	35	202	-	45	10	124
SPA250/2	✓	250	255.5	7	2517	60	12	35	215	5	45	5	124
SPA280/2	✓	280	285.5	7	2517	60	12	35	245	-	45	10	124
SPA300/2	✓	300	305.5	7	2517	60	12	35	275	-	45	10	124
SPA315/2	✓	315	320.5	7	2517	60	12	35	280	-	45	10	124
SPA355/2	✓	355	360.5	4	2517	60	-	35	320	-	45	10	124
SPA400/2	✓	400	405.5	4	2517	60	-	35	365	-	45	10	124
SPA450/2	✓	450	455.5	4	2517	60	-	35	465	-	45	10	124
SPA500/2	✓	500	505.5	4	2517	60	-	35	525	-	45	10	124
SPA560/2	✓	560	565.5	4	3020	75	-	35	525	-	51	16	159
SPA630/2	✓	630	635.5	4	3020	75	-	35	595	8	51	18	159

Taper Bore

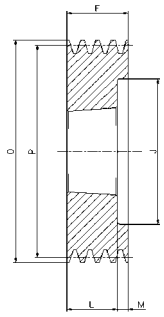
Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked pulleys please contact our Manufacturing Department for a quotation.

SPA 3 Groove V Pulleys Taper Bore

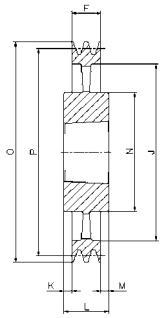
24 245 250 958

DRIVEFLEX

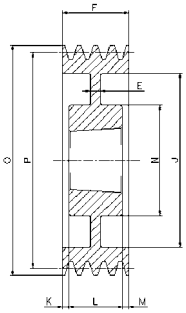
Taper Bore



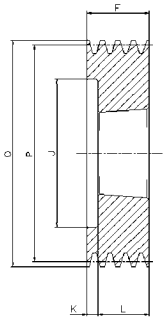
TYPE 2



TYPE 4



TYPE 6

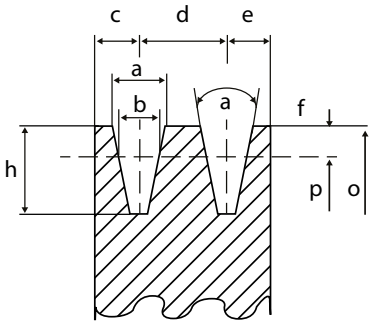


TYPE 8

- Material – Steel or Cast Iron

Groove detail

a	b	c	d	e
12.7	11	10	15	10
f	**h**	**a 34**	**a 38**	
2.8	13.8	P<=118	P>118	



24hr Breakdown available
Customisable product
Product code builder
Compatible product

SPA 3 Groove V Pulleys Taper Bore

DRIVEFLEX



Code	Stock size	Diameter P (mm)	Diameter O (mm)	Type	Bush	Bore ø max.	E	F	J	K	L	M	N
SPA71/3	✓	71	76.5	8	1108	28	-	50	40	28	22	-	0
SPA75/3	✓	75	80.5	8	1108	28	-	50	44	28	22	-	0
SPA80/3	✓	80	85.5	8	1210	32	-	50	50	25	25	-	0
SPA85/3	✓	85	90.5	8	1210	32	-	50	55	25	25	-	0
SPA90/3	✓	90	95.5	8	1610	42	-	50	59	25	25	-	0
SPA95/3	✓	95	100.5	8	1610	42	-	50	63	25	25	-	0
SPA100/3	✓	100	105.5	2	1610	42	-	50	66	-	25	25	0
SPA106/3	✓	106	111.5	2	1610	42	-	50	72	-	25	25	0
SPA112/3	✓	112	117.5	8	2012	50	-	50	78	18	32	-	0
SPA118/3	✓	118	123.5	2	2012	50	-	50	84	-	32	18	0
SPA125/3	✓	125	130.5	2	2012	50	-	50	91	-	32	18	0
SPA132/3	✓	132	137.5	2	2012	50	-	50	98	-	32	18	0
SPA140/3	✓	140	145.5	8	2517	60	-	50	106	5	45	-	0
SPA150/3	✓	150	155.5	8	2517	60	-	50	116	5	45	-	0
SPA160/3	✓	160	165.5	8	2517	60	-	50	125	5	45	-	0
SPA170/3	✓	170	175.5	8	2517	60	-	50	135	5	45	-	0
SPA180/3	✓	180	185.5	8	2517	60	-	50	146	5	45	-	0
SPA190/3	✓	190	195.5	8	2517	60	-	50	156	5	45	-	0
SPA200/3	✓	200	205.5	6	2517	60	20	50	165	2.5	45	2.5	123
SPA212/3	✓	212	217.5	6	2517	60	20	50	177	2.5	45	2.5	123
SPA224/3	✓	224	229.5	6	2517	60	20	50	189	2.5	45	2.5	124
SPA236/3	✓	236	241.5	6	2517	60	20	50	202	2.5	45	2.5	124
SPA250/3	✓	250	255.5	6	2517	60	20	50	215	2.5	45	2.5	124
SPA280/3	✓	280	285.5	6	2517	60	20	50	245	2.5	45	2.5	124
SPA300/3	✓	300	305.5	6	2517	60		50	275				
SPA315/3	✓	315	320.5	4	3020	75	25	50	280	0.5	51	0.5	159
SPA355/3	✓	355	360.5	4	3020	75	-	50	320	0.5	51	0.5	159
SPA400/3	✓	400	405.5	4	3020	75	-	50	365	-	51	1	159
SPA450/3	✓	450	455.5	4	3020	75	-	50	415	-	51	1	159
SPA500/3	✓	500	505.5	4	3020	75	-	50	465	-	51	1	159
SPA560/3	✓	560	565.5	4	3020	75	-	50	525	-	51	1	159
SPA630/3		630	635.5	4	3020	75	-	50	595	-	51	1	159
SPA800/3		800	805.5	4	3535	90	-	50	765	19.05	89	19.5	175
SPA1000/3		1000	1005.5	4	3535	90	-	50	965	19.05	89	19.5	175

Taper Bore

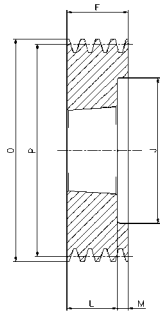
Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked pulleys please contact our Manufacturing Department for a quotation.

SPA 4 Groove V Pulleys Taper Bore

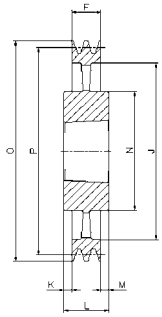
24 245 250 958

DRIVEFLEX

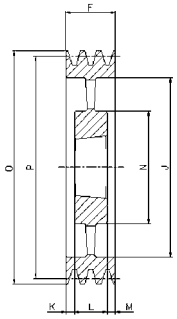
Taper Bore



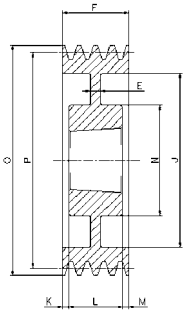
TYPE 2



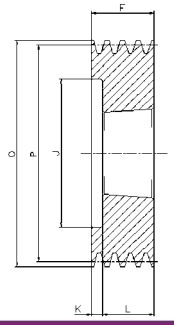
TYPE 4



TYPE 5



TYPE 6

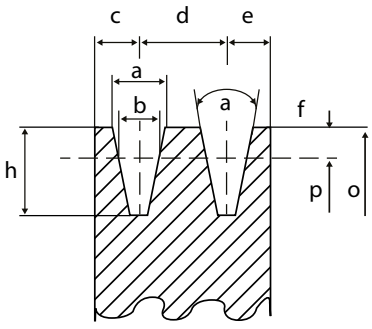


TYPE 8

- Material – Steel or Cast Iron

Groove detail

a	b	c	d	e
12.7	11	10	15	10
f	**h**	**a 34**	**a 38**	
2.8	13.8	P<=118	P>118	



24hr Breakdown available | Customisable product | Product code builder | Compatible product

SPA 4 Groove V Pulleys Taper Bore

DRIVEFLEX



Code	Stock size	Diameter P (mm)	Diameter O (mm)	Type	Bush	Bore ø max.	E	F	J	K	L	M	N
SPA90/4	✓	90	95.5	8	1615	42	-	65	59	27	38	-	0
SPA95/4	✓	95	100.5	8	1615	42	-	65	63	27	38	-	0
SPA100/4	✓	100	105.5	2	1615	42	-	65	66	-	38	27	0
SPA106/4	✓	106	111.5	8	2012	50	-	65	72	33	32	-	0
SPA112/4	✓	112	117.5	8	2012	50	-	65	78	33	32	-	0
SPA118/4	✓	118	123.5	2	2012	50	-	65	84	-	32	33	0
SPA125/4	✓	125	130.5	2	2012	50	-	65	91	-	32	33	0
SPA132/4	✓	132	137.5	2	2517	60	-	65	98	-	45	20	0
SPA140/4	✓	140	145.5	2	2517	60	-	65	106	-	45	20	0
SPA150/4	✓	150	155.5	2	2517	60	-	65	116	-	45	20	0
SPA160/4	✓	160	165.5	2	2517	60	-	65	125	-	45	20	0
SPA170/4	✓	170	175.5	2	2517	60	-	65	135	-	45	20	0
SPA180/4	✓	180	185.5	2	2517	60	-	65	146	-	45	20	0
SPA190/4	✓	190	195.5	2	2517	60	-	65	156	-	45	20	0
SPA200/4	✓	200	205.5	2	3020	75	-	65	165	-	51	14	0
SPA212/4	✓	212	217.5	2	3020	75	-	65	177	-	51	14	0
SPA224/4	✓	224	229.5	2	3020	75	-	65	189	-	51	14	0
SPA236/4	✓	236	241.5	6	3020	75	25	65	202	-	51	14	0
SPA250/4	✓	250	255.5	6	3020	75	20	65	215	7	51	7	159
SPA280/4	✓	280	285.5	6	3020	75	25	65	245	7	51	7	159
SPA300/4	✓	300	305.5	6	3020	75	25	65	275	7	51	7	159
SPA315/4	✓	315	320.5	6	3020	75	25	65	280	7	51	7	159
SPA355/4	✓	355	360.5	5	3020	75	-	65	320	7	51	7	159
SPA400/4	✓	400	405.5	5	3020	75	-	65	365	7	51	7	159
SPA450/4	✓	450	455.5	5	3020	75	-	65	415	7	51	7	159
SPA500/4	✓	500	505.5	5	3020	75	-	65	465	7	51	7	159
SPA560/4	✓	560	565.5	4	3535	90	-	65	525	12	89	12	175
SPA630/4	✓	630	635.5	4	3535	90	-	65	595	12	89	12	175
SPA800/4	✓	800	805.5	4	3535	90	-	65	765	12	89	12	175
SPA1000/4		1000	1005.5	4	4040	100	-	65	965	18.5	102	18.5	210

Taper Bore

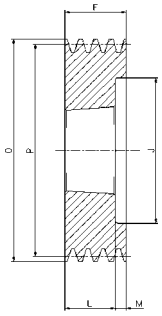
Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked pulleys please contact our Manufacturing Department for a quotation.

SPA 5 Groove V Pulleys Taper Bore

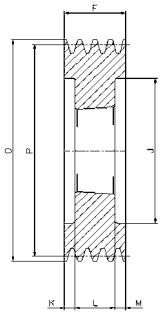
24 245 250 958

DRIVEFLEX

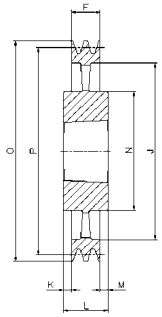
Taper Bore



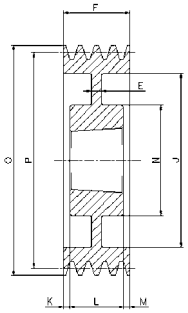
TYPE 2



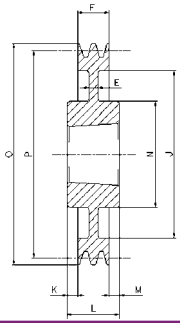
TYPE 3



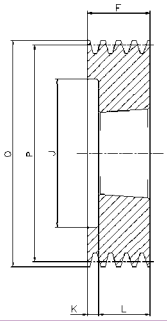
TYPE 4



TYPE 6



TYPE 7

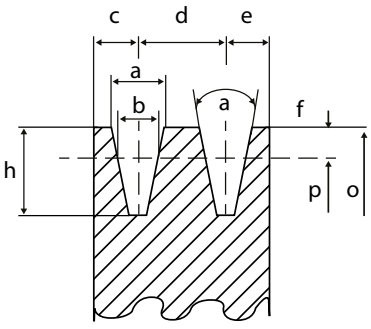


TYPE 8

- Material – Steel or Cast Iron

Groove detail

a	b	c	d	e
12.7	11	10	15	10
f	h	a 34	a 38	
2.8	13.8	P<=118	P>118	



24hr Breakdown available | Customisable product | Product code builder | Compatible product

SPA 5 Groove V Pulleys Taper Bore

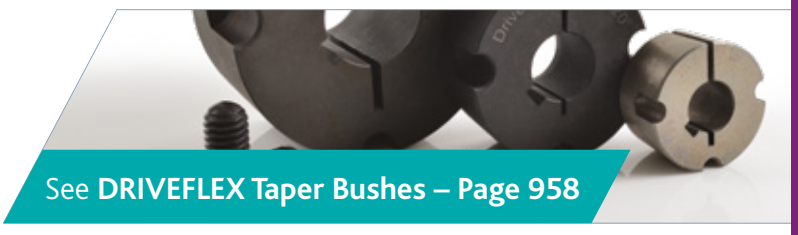
DRIVEFLEX



Code	Stock size	Diameter P (mm)	Diameter O (mm)	Type	Bush	Bore ø max.	E	F	J	K	L	M	N
SPA100/5	✓	100	105.5	2	1615	42	-	80	66	-	38	42	0
SPA106/5	✓	106	111.5	8	2012	50	-	80	72	48	32	-	0
SPA112/5	✓	112	117.5	8	2012	50	-	80	78	48	32	-	0
SPA118/5	✓	118	123.5	2	2012	50	-	80	84	-	32	48	0
SPA125/5	✓	125	130.5	3	2012	50	-	80	91	24	32	24	0
SPA132/5	✓	132	137.5	3	2517	60	-	80	98	17.5	45	17.5	0
SPA140/5	✓	140	145.5	3	2517	60	-	80	106	17.5	45	17.5	0
SPA150/5	✓	150	155.5	3	2517	60	-	80	116	17.5	45	17.5	0
SPA160/5	✓	160	165.5	3	2517	60	-	80	125	17.5	45	17.5	0
SPA170/5	✓	170	175.5	3	2517	60	-	80	135	17.5	45	17.5	0
SPA180/5	✓	180	185.5	3	3020	75	-	80	146	-	51	29	0
SPA190/5	✓	190	195.5	2	3020	75	-	80	156	14.5	51	14.5	0
SPA200/5	✓	200	205.5	3	3020	75	-	80	165	14.5	51	14.5	0
SPA212/5	✓	212	217.5	2	3020	75	-	80	177	-	51	29	0
SPA224/5	✓	224	229.5	2	3020	75	-	80	189	-	51	29	0
SPA236/5	✓	236	241.5	2	3020	75	-	80	202	-	51	29	0
SPA250/5	✓	250	255.5	6	3020	75	20	80	215	14.5	51	14.5	159
SPA280/5	✓	280	285.5	7	3535	90	25	80	245	4.5	89	4.5	175
SPA300/5	✓	300	305.5	7	3535	90	25	80	275	4.5	89	4.5	175
SPA315/5	✓	315	320.5	7	3535	90	25	80	280	4.5	89	4.5	175
SPA355/5	✓	355	360.5	4	3535	90	-	80	320	4.5	89	4.5	175
SPA400/5	✓	400	405.5	4	3535	90	-	80	365	4.5	89	4.5	175
SPA450/5	✓	450	455.5	4	3535	90	-	80	415	4.5	89	4.5	175
SPA500/5	✓	500	505.5	4	3535	90	-	80	465	4.5	89	4.5	175
SPA560/5	✓	560	565.5	4	3535	90	-	80	525	4.5	89	4.5	175
SPA630/5	✓	630	635.5	4	3535	90	-	80	595	4.5	89	4.5	175
SPA800/5	✓	800	805.5	4	4040	100	-	80	765	11	102	11	210
SPA1000/5		1000	1005.5	4	4545	110	-	80	965	17	114	17	242

Taper Bore

Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked pulleys please contact our Manufacturing Department for a quotation.



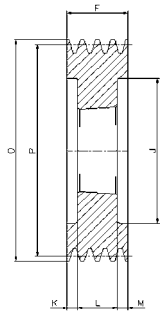
See DRIVEFLEX Taper Bushes – Page 958

SPA 6 Groove V Pulleys Taper Bore

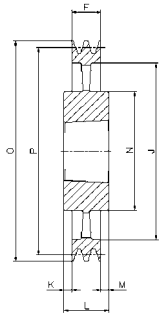
24 245 250 958

DRIVEFLEX

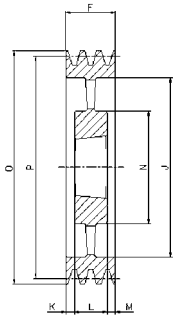
Taper Bore



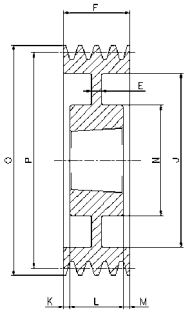
TYPE 3



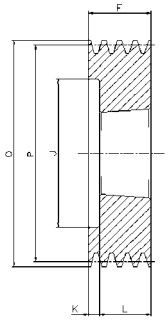
TYPE 4



TYPE 5



TYPE 6

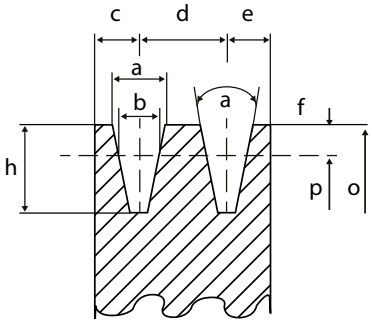


TYPE 8

- Material – Steel or Cast Iron

Groove detail

a	b	c	d	e
12.7	11	10	15	10
f	**h**	**a 34**	**a 38**	
2.8	13.8	P<=118	P>118	



SPA 6 Groove V Pulleys Taper Bore

DRIVEFLEX



Code	Stock size	Diameter P (mm)	Diameter O (mm)	Type	Bush	Bore ø max.	E	F	J	K	L	M	N
SPA100/6	✓	100	105.5	3	1610	42	-	95	66	30	25	40	0
SPA106/6	✓	106	111.5	8	2012	50	-	95	72	63	32	-	0
SPA112/6	✓	112	117.5	8	2012	50	-	95	78	63	32	-	0
SPA118/6	✓	118	123.5	8	2012	50	-	95	84	63	32	-	0
SPA125/6	✓	125	130.5	3	2012	50	-	95	91	31.5	32	31.5	0
SPA132/6	✓	132	137.5	3	2517	60	-	95	98	25	45	25	0
SPA140/6	✓	140	145.5	3	2517	60	-	95	106	25	45	25	0
SPA150/6	✓	150	155.5	3	2517	60	-	95	116	25	45	25	0
SPA160/6	✓	160	165.5	3	2517	60	-	95	125	25	45	25	0
SPA170/6	✓	170	175.5	3	2517	60	-	80	135	17.5	45	17.5	0
SPA180/6	✓	180	185.5	3	3020	75	-	95	146	22	51	22	0
SPA200/6	✓	200	205.5	3	3020	75	-	95	165	22	51	22	0
SPA224/6	✓	224	229.5	3	3020	75	-	95	189	22	51	22	0
SPA236/6	✓	236	241.5	3	3020	75	-	95	202	22	51	22	0
SPA250/6	✓	250	255.5	6	3020	75	20	95	215	22	51	22	155
SPA280/6	✓	280	285.5	6	3535	90	25	95	245	3	89	3	175
SPA315/6	✓	315	320.5	6	3535	90	25	95	280	3	89	3	175
SPA355/6	✓	355	360.5	5	3535	90	-	95	320	3	89	3	175
SPA400/6	✓	400	405.5	5	3535	90	-	95	365	3	89	3	175
SPA450/6	✓	450	455.5	5	3535	90	-	95	415	3	89	3	175
SPA500/6	✓	500	505.5	5	3535	90	-	95	465	3	89	3	175
SPA560/6	✓	560	565.5	5	3535	90	-	95	525	3	89	3	175
SPA630/6	✓	630	635.5	4	4040	100	-	95	595	3.5	102	3.5	210
SPA800/6	✓	800	805.5	4	4040	100	-	95	765	3.5	102	3.5	210
SPA1000/6		1000	1005.5	4	4545	110	-	95	965	9.5	114	9.5	242

Taper Bore

Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked pulleys please contact our Manufacturing Department for a quotation.



See V Belts – Page 241

HIGH PERFORMANCE
RUBBER V BELTS

VFLEX Continental

BIG ON CHOICE
BIG ON VALUE

Two quality brands and large stocks means amazing value and choice.

- Easy to install
- Generates little noise
- Enable a high transmission ratio
- Exceptionally efficient power transmission
- Excellent value and performance benefits
- We stock a number of V belt variants

Classical section V belts
Wedge section V belts
Raw edge cogged V belts
Double sided V belts
Poly V belts



AVAILABLE NOW

Driveflex®, V and Poly V Pulleys

DRIVEFLEX

CONTI-V® MULTIRIB

For **V Belts** see page 241

BELTS PULLEYS CHAIN SPROCKETS GEARS BEARINGS LINEAR HARDWARE PLASTICS

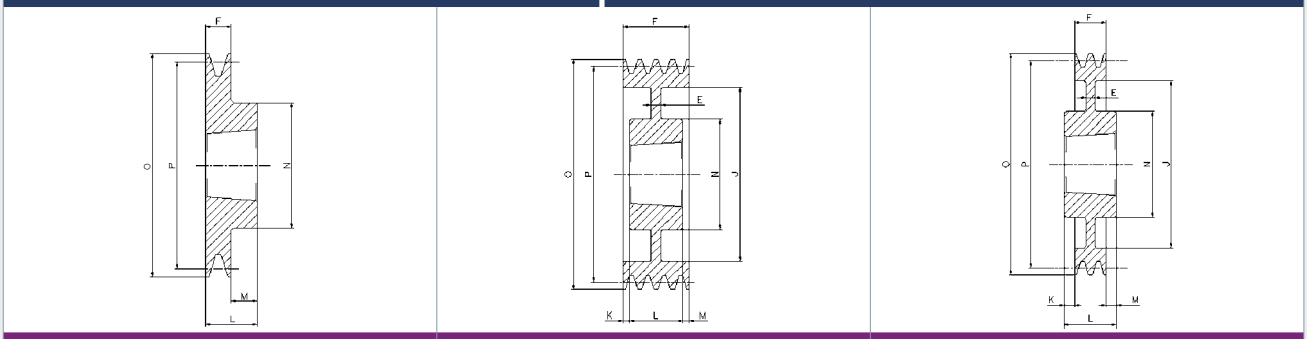
TransDev®
THE POWER IN MOTION

SPB 1 Groove V Pulleys Taper Bore

DRIVEFLEX

24 246 251 958

Taper Bore

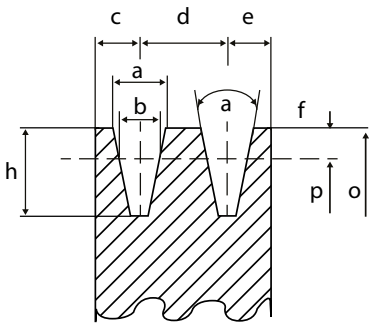


TYPE 1 | TYPE 6 | TYPE 7

- Material – Steel or Cast Iron

Groove detail

a	b	c	d	e
16.3	14	12.5	19	12.5
f	**h**	**a 34**	**a 38**	
3.5	17.5	P<=190	P>190	



Code	Stock size	Diameter P (mm)	Diameter O (mm)	Type	Bush	Bore ø max.	E	F	J	K	L	M	N
SPB100/1	✓	100	107	1	1610	42	-	25	-	-	25	-	0
SPB106/1	✓	106	113	1	1610	42	-	25	-	-	25	-	0
SPB112/1	✓	112	119	1	1610	42	-	25	-	-	25	-	0
SPB118/1	✓	118	125	1	1610	42	-	25	-	-	25	-	0
SPB125/1	✓	125	132	1	1610	42	-	25	-	-	25	-	0
SPB132/1	✓	132	139	1	1610	42	-	25	-	-	25	-	0
SPB140/1	✓	140	147	1	1610	42	-	25	-	-	25	-	0
SPB150/1	✓	150	157	1	1610	42	-	25	-	-	25	-	0
SPB160/1	✓	160	167	1	1610	42	-	25	-	-	25	-	0
SPB170/1	✓	170	177	1	1610	42	-	25	-	-	25	-	0
SPB180/1	✓	180	187	6	1610	42	15	25	132	-	25	-	90
SPB190/1	✓	190	197	7	2012	50	15	25	147	3.5	32	3.5	104
SPB200/1	✓	200	207	7	2012	50	15	25	157	3.5	32	3.5	104
SPB212/1	✓	212	219	7	2012	50	15	25	169	3.5	32	3.5	104
SPB224/1	✓	224	231	7	2012	50	15	25	181	3.5	32	3.5	104
SPB236/1	✓	236	243	7	2012	50	15	25	193	3.5	32	3.5	104
SPB250/1	✓	250	257	7	2012	50	20	25	207	3.5	32	3.5	104
SPB280/1	✓	280	287	7	2012	50	20	25	237	3.5	32	3.5	104
SPB300/1	✓	300	307	7	2012	50	20	25	258	3.5	32	3.5	104
SPB315/1		315	322	7	2012	50	20	25	272	3.5	32	3.5	104

Taper Bore

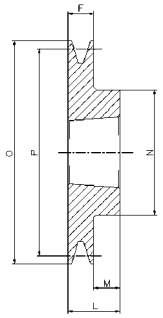
Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked pulleys please contact our Manufacturing Department for a quotation.

SPB 2 Groove V Pulleys Taper Bore

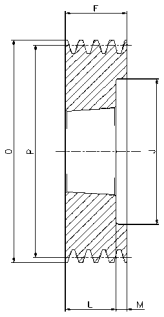
24 246 251 958

DRIVEFLEX

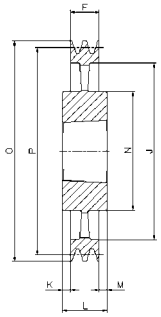
Taper Bore



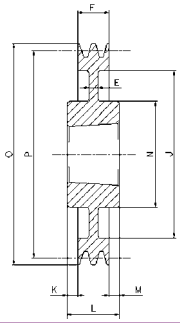
TYPE 1



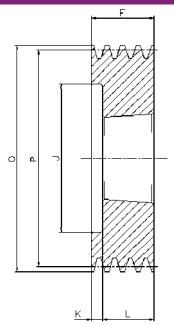
TYPE 2



TYPE 4



TYPE 7

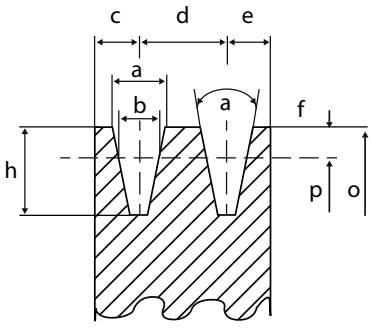


TYPE 8

- Material – Steel or Cast Iron

Groove detail

a	b	c	d	e
16.3	14	12.5	19	12.5
f	h	a 34	a 38	
3.5	17.5	P<=190	P>190	



24hr Breakdown available | Customisable product | Product code builder | Compatible product

SPB 2 Groove V Pulleys Taper Bore

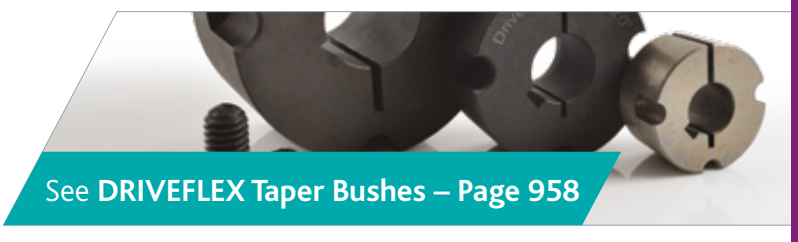
DRIVEFLEX

24 246 251 958

Code	Stock size	Diameter P (mm)	Diameter O (mm)	Type	Bush	Bore ø max.	E	F	J	K	L	M	N
SPB100/2	✓	100	107	8	1610	42	-	44	62	19	25	-	0
SPB106/2	✓	106	113	8	1610	42	-	44	67	19	25	-	0
SPB112/2	✓	112	119	8	1610	42	-	44	72	19	25	-	0
SPB118/2	✓	118	125	2	1610	42	-	44	78	-	25	19	0
SPB125/2	✓	125	132	2	2012	50	-	44	82	-	32	12	0
SPB132/2	✓	132	139	2	2012	50	-	44	89	-	32	12	0
SPB140/2	✓	140	147	2	2012	50	-	44	97	-	32	12	0
SPB150/2	✓	150	157	2	2012	50	-	44	107	-	32	12	0
SPB160/2	✓	160	167	2	2012	50	-	44	117	-	32	12	0
SPB170/2	✓	170	177	2	2012	50	-	44	127	-	32	12	0
SPB180/2	✓	180	187	1	2517	60	-	44	-	-	45	1	120
SPB190/2	✓	190	197	1	2517	60	-	44	-	-	45	1	120
SPB200/2	✓	200	207	1	2517	60	-	44	-	-	45	1	117
SPB212/2	✓	212	219	7	2517	60	20	44	169	-	45	1	117
SPB224/2	✓	224	231	7	2517	60	15	44	181	-	45	1	117
SPB236/2	✓	236	243	7	2517	60	15	44	193	-	45	1	117
SPB250/2	✓	250	257	7	2517	60	20	44	207	-	45	1	125
SPB280/2	✓	280	287	7	2517	60	20	44	237	-	45	1	125
SPB300/2	✓	300	307	7	2517	60	20	44	257	-	45	1	125
SPB315/2	✓	315	322	7	2517	60	20	44	272	-	45	1	125
SPB335/2	✓	335	342	7	2517	60	20	44	292	-	45	1	125
SPB355/2	✓	355	362	7	3020	75	15	44	312	3.5	51	3.5	144
SPB400/2	✓	400	407	4	3020	75	-	44	357	3.5	51	3.5	150
SPB450/2	✓	450	457	4	3020	75	-	44	407	3.5	51	3.5	150
SPB500/2	✓	500	507	4	3020	75	-	44	457	3.5	51	3.5	150
SPB560/2	✓	560	567	4	3030	75	-	44	517	4	76	28	150
SPB630/2	✓	630	637	4	3030	75	-	44	587	16	76	16	150

Taper Bore

Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked pulleys please contact our Manufacturing Department for a quotation.



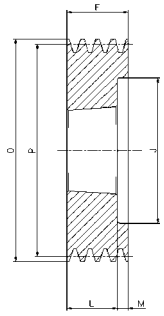
See DRIVEFLEX Taper Bushes – Page 958

SPB 3 Groove V Pulleys Taper Bore

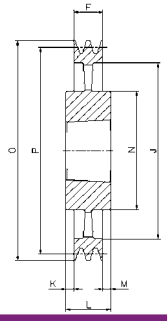
24 246 251 958

DRIVEFLEX

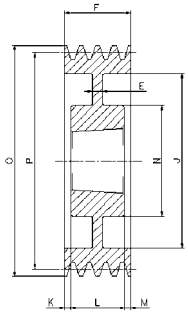
Taper Bore



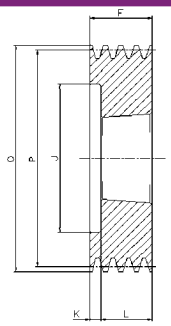
TYPE 2



TYPE 4



TYPE 6

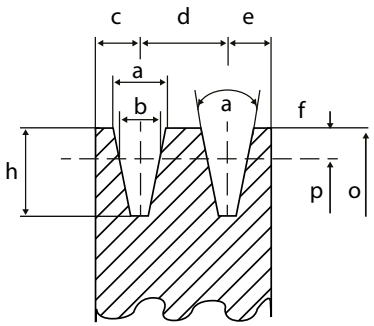


TYPE 8

- Material – Steel or Cast Iron

Groove detail

a	b	c	d	e
16.3	14	12.5	19	12.5
f	**h**	**a 34**	**a 38**	
3.5	17.5	P<=190	P>190	



SPB 3 Groove V Pulleys Taper Bore

DRIVEFLEX



Code	Stock size	Diameter P (mm)	Diameter O (mm)	Type	Bush	Bore ø max.	E	F	J	K	L	M	N
SPB100/3	✓	100	107	8	1610	42	-	63	62	38	25	-	0
SPB106/3	✓	106	113	8	1610	42	-	63	67	38	25	-	0
SPB112/3	✓	112	119	8	1610	42	-	63	72	38	25	-	0
SPB118/3	✓	118	125	2	1610	42	-	63	78	-	25	38	0
SPB125/3	✓	125	132	2	2012	50	-	63	82	-	32	31	0
SPB132/3	✓	132	139	2	2012	50	-	63	89	-	32	31	0
SPB140/3	✓	140	147	2	2012	50	-	63	97	-	32	31	0
SPB150/3	✓	150	157	2	2517	60	-	63	107	-	45	18	0
SPB160/3	✓	160	167	2	2517	60	-	63	117	-	45	18	0
SPB170/3	✓	170	177	2	2517	60	-	63	127	-	45	18	0
SPB180/3	✓	180	187	2	2517	60	-	63	137	-	45	18	0
SPB190/3	✓	190	197	2	2517	60	-	63	147	-	45	18	0
SPB200/3	✓	200	207	2	2517	60	-	63	157	-	45	18	0
SPB212/3	✓	212	219	6	2517	60	15	63	169	-	45	18	117
SPB224/3	✓	224	231	6	2517	60	15	63	181	-	45	18	117
SPB236/3	✓	236	243	6	2517	60	15	63	193	-	45	18	117
SPB250/3	✓	250	257	6	3020	75	20	63	207	-	51	12	144
SPB280/3	✓	280	287	6	3020	75	20	63	237	6	51	6	144
SPB300/3	✓	300	307	6	3020	75	20	63	257	6	51	6	144
SPB315/3	✓	315	322	6	3020	75	20	63	272	6	51	6	144
SPB335/3	✓	335	342	6	3020	75	20	63	292	6	51	6	144
SPB355/3	✓	355	362	6	3020	75	15	63	312	6	51	6	144
SPB400/3	✓	400	407	4	3535	90	-	63	357	13	89	13	175
SPB450/3	✓	450	457	4	3535	90	-	63	407	-	89	26	175
SPB500/3	✓	500	507	4	3535	90	-	63	457	-	89	26	175
SPB560/3	✓	560	567	4	3535	90	-	63	517	-	89	26	175
SPB630/3	✓	630	637	4	3535	90	-	63	587	-	89	26	175
SPB710/3	✓	710	717	4	3535	90	-	63	664	13	89	13	175
SPB800/3	✓	800	807	4	3535	90	-	63	754	13	89	13	175
SPB900/3		900	907	4	3535	90	-	63	854	13	89	13	175
SPB1000/3		1000	1007	4	4040	100	-	63	954	19.5	102	19.5	210
SPB1250/3		1250	1257	4	4040	100	-	63	1204	19.5	102	19.5	210

Taper Bore

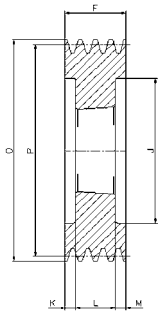
Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked pulleys please contact our Manufacturing Department for a quotation.

SPB 4 Groove V Pulleys Taper Bore

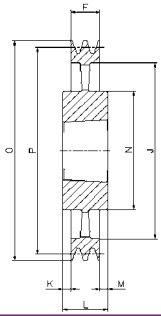
24 246 251 958

DRIVEFLEX

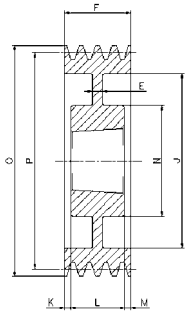
Taper Bore



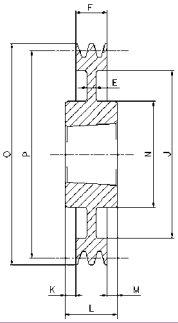
TYPE 3



TYPE 4



TYPE 6

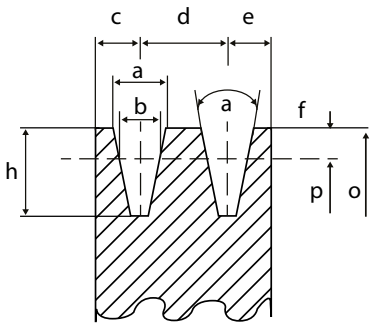


TYPE 7

- Material – Steel or Cast Iron

Groove detail

a	b	c	d	e
16.3	14	12.5	19	12.5
f	**h**	**a 34**	**a 38**	
3.5	17.5	P<=190	P>190	



SPB 4 Groove V Pulleys Taper Bore

DRIVEFLEX

24 246 251 958

Code	Stock size	Diameter P (mm)	Diameter O (mm)	Type	Bush	Bore ø max.	E	F	J	K	L	M	N
SPB125/4	✓	125	132	3	2012	50	-	82	82	25	32	25	0
SPB132/4	✓	132	139	3	2012	50	-	82	89	25	32	25	0
SPB140/4	✓	140	147	3	2517	60	-	82	100	18.5	45	18.5	0
SPB150/4	✓	150	157	3	2517	60	-	82	107	18.5	45	18.5	0
SPB160/4	✓	160	167	3	2517	60	-	82	117	18.5	45	18.5	0
SPB170/4	✓	170	177	3	2517	60	-	82	127	18.5	45	18.5	0
SPB180/4	✓	180	187	3	2517	60	-	82	137	18.5	45	18.5	0
SPB190/4	✓	190	197	3	2517	60	-	82	147	18.5	45	18.5	0
SPB200/4	✓	200	207	3	3020	75	-	82	157	15.5	51	15.5	0
SPB212/4	✓	212	219	3	3020	75	-	82	169	15.5	51	15.5	0
SPB224/4	✓	224	231	3	3020	75	-	82	181	15.5	51	15.5	0
SPB236/4	✓	236	243	3	3020	75	-	82	193	15.5	51	15.5	0
SPB250/4	✓	250	257	6	3020	75	25	82	207	15.5	51	15.5	144
SPB280/4	✓	280	287	6	3020	75	25	82	237	15.5	51	15.5	144
SPB300/4	✓	300	307	7	3535	90	25	82	257	-	89	7	175
SPB315/4	✓	315	322	7	3535	90	25	82	272	3.5	89	3.5	175
SPB335/4	✓	335	342	7	3535	90	25	82	292	3.5	89	3.5	175
SPB355/4	✓	355	362	7	3535	90	25	82	312	3.5	89	3.5	175
SPB400/4	✓	400	407	4	3535	90	-	82	357	3.5	89	3.5	175
SPB450/4	✓	450	457	4	3535	90	-	82	407	-	89	7	175
SPB500/4	✓	500	507	4	3535	90	-	82	457	-	89	7	175
SPB560/4	✓	560	567	4	3535	90	-	82	517	-	89	7	175
SPB630/4	✓	630	637	4	3535	90	-	82	587	-	89	7	175
SPB710/4	✓	710	717	4	3535	90	-	82	664	3.5	89	3.5	175
SPB800/4	✓	800	807	4	4040	100	-	82	754	10	102	10	210
SPB900/4		900	907	4	4040	100	-	82	854	10	102	10	210
SPB1000/4		1000	1007	4	4040	100	-	82	954	10	102	16	210
SPB1250/4		1250	1257	4	4545	110	-	82	1204	16	114	16	210

Taper Bore

Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked pulleys please contact our Manufacturing Department for a quotation.

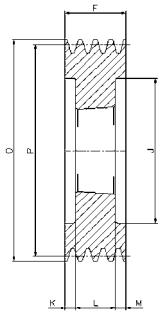


See **SPB V Belts – Page 246**

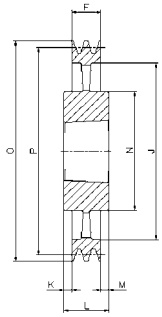
SPB 5 Groove V Pulleys Taper Bore

DRIVEFLEX

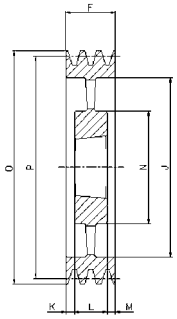
Taper Bore



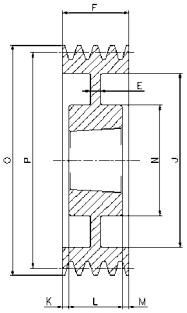
TYPE 3



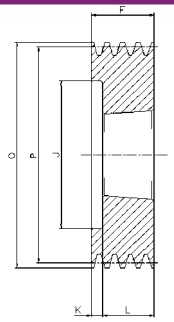
TYPE 4



TYPE 5



TYPE 6

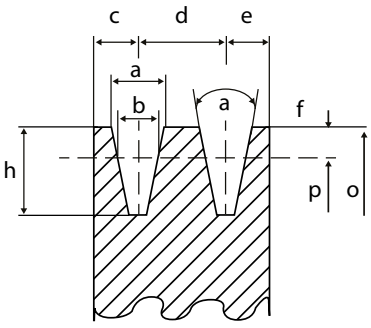


TYPE 8

- Material – Steel or Cast Iron

Groove detail

a	b	c	d	e
16.3	14	12.5	19	12.5
f	h	a 34	a 38	
3.5	17.5	P<=190	P>190	



SPB 5 Groove V Pulleys Taper Bore

DRIVEFLEX

24 246 251 958

Code	Stock size	Diameter P (mm)	Diameter O (mm)	Type	Bush	Bore ø max.	E	F	J	K	L	M	N
SPB125/5	✓	125	132	8	2012	50	-	101	87	69	32	-	0
SPB132/5	✓	132	139	8	2517	60	-	101	94	56	45	-	0
SPB140/5	✓	140	147	3	2517	60	-	101	97	28	45	28	0
SPB150/5	✓	150	157	3	2517	60	-	101	107	28	45	28	0
SPB160/5	✓	160	167	3	2517	60	-	101	117	28	45	28	0
SPB170/5	✓	170	177	3	3020	75	-	101	127	25	51	25	0
SPB180/5	✓	180	187	3	3020	75	-	101	137	25	51	25	0
SPB190/5	✓	190	197	3	3020	75	-	101	147	25	51	25	0
SPB200/5	✓	200	207	3	3020	75	-	101	157	25	51	25	0
SPB212/5	✓	212	219	3	3020	75	-	101	169	25	51	25	0
SPB224/5	✓	224	231	3	3020	75	-	101	181	25	51	25	0
SPB236/5	✓	236	243	3	3535	90	-	101	193	6	89	6	0
SPB250/5	✓	250	257	3	3535	90	-	101	207	6	89	6	0
SPB280/5	✓	280	287	6	3535	90	25	101	237	6	89	6	175
SPB300/5	✓	300	307	6	3535	90	25	101	257	6	89	6	175
SPB315/5	✓	315	322	6	3535	90	25	101	272	6	89	6	175
SPB335/5	✓	335	342	6	3535	90	25	101	292	6	89	6	175
SPB355/5	✓	355	362	6	3535	90	17	101	312	6	89	6	175
SPB400/5	✓	400	407	5	3535	90	-	101	357	6	89	6	175
SPB450/5	✓	450	457	5	3535	90	-	101	407	-	89	12	175
SPB500/5	✓	500	507	5	3535	90	-	101	457	-	89	12	175
SPB560/5	✓	560	567	4	4040	100	-	101	517	-	102	1	210
SPB630/5	✓	630	637	4	4040	100	-	101	587	-	102	1	210
SPB710/5	✓	710	717	4	4040	100	-	101	664	-	102	1	210
SPB800/5	✓	800	807	4	4040	100	-	101	754	-	102	1	210
SPB900/5		900	907	4	4040	100	-	101	854	-	102	1	210
SPB1000/5		1000	1007	4	4545	110	-	101	954	6.5	114	6.5	242
SPB1250/5		1250	1257	4	4545	110	-	101	1204	6.5	114	6.5	242

Taper Bore

Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked pulleys please contact our Manufacturing Department for a quotation.



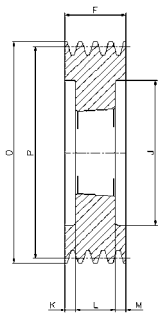
See **Design Software – Page 30**

SPB 6 Groove V Pulleys Taper Bore

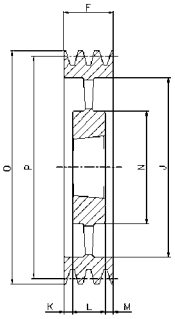
24 246 251 958

DRIVEFLEX

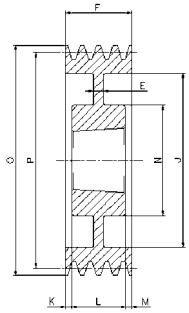
Taper Bore



TYPE 3



TYPE 5

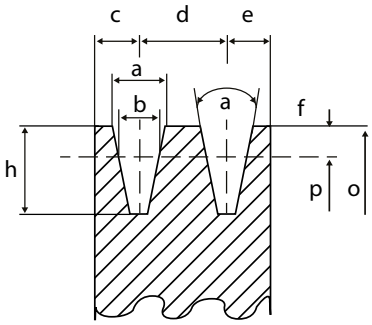


TYPE 6

- Material – Steel or Cast Iron

Groove detail

a	b	c	d	e
16.3	14	12.5	19	12.5
f	**h**	**a 34**	**a 38**	
3.5	17.5	P<=190	P>190	





See V Belts – Page 241

SPB 6 Groove V Pulleys Taper Bore

DRIVEFLEX



Code	Stock size	Diameter P (mm)	Diameter O (mm)	Type	Bush	Bore ø max.	E	F	J	K	L	M	N
SPB140/6	✓	140	147	3	2517	60	-	120	100	37.5	45	37.5	0
SPB150/6	✓	150	157	3	2517	60	-	120	107	37.5	45	37.5	0
SPB160/6	✓	160	167	3	3020	75	-	120	117	34.5	51	34.5	0
SPB170/6	✓	170	177	3	3020	75	-	120	127	34.5	51	34.5	0
SPB180/6	✓	180	187	3	3020	75	-	120	137	34.5	51	34.5	0
SPB190/6	✓	190	197	3	3020	75	-	120	147	34.5	51	34.5	0
SPB200/6	✓	200	207	3	3020	75	-	120	157	34.5	51	34.5	0
SPB212/6	✓	212	219	3	3535	90	-	120	169	15.5	89	15.5	0
SPB224/6	✓	224	231	3	3535	90	-	120	181	15.5	89	15.5	0
SPB236/6	✓	236	243	3	3535	90	-	120	193	15.5	89	15.5	0
SPB250/6	✓	250	257	3	3535	90	-	120	207	15.5	89	15.5	0
SPB280/6	✓	280	287	6	3535	90	25	120	237	15.5	89	15.5	175
SPB300/6	✓	300	307	6	3535	90	25	120	257	15.5	89	15.5	175
SPB315/6	✓	315	322	6	3535	90	25	120	272	15.5	89	15.5	175
SPB335/6	✓	335	342	6	3535	90	25	120	292	15.5	89	15.5	175
SPB355/6	✓	355	362	6	3535	90	25	120	312	15.5	89	15.5	175
SPB400/6	✓	400	407	5	3535	90	-	120	357	15.5	89	15.5	175
SPB450/6	✓	450	457	5	4040	100	-	120	407	-	102	18	210
SPB500/6	✓	500	507	5	4040	100	-	120	457	-	102	18	210
SPB560/6	✓	560	567	5	4040	100	-	120	517	-	102	18	210
SPB630/6	✓	630	637	5	4040	100	-	120	587	-	102	18	210
SPB710/6	✓	710	717	5	4040	100	-	120	664	9	102	9	210
SPB800/6	✓	800	807	5	4545	110	-	120	754	3	114	3	242
SPB900/6		900	907	5	4545	110	-	120	854	3	114	3	242
SPB1000/6		1000	1007	5	4545	110	-	120	954	3	114	3	242
SPB1250/6		1250	1257	5	4545	110	-	120	1204	3	114	3	242

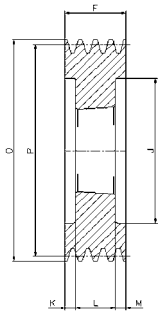
Taper Bore

Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked pulleys please contact our Manufacturing Department for a quotation.

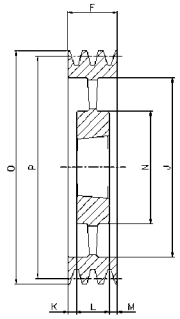
SPB 8 Groove V Pulleys Taper Bore

DRIVEFLEX

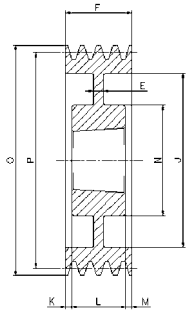
Taper Bore



TYPE 3



TYPE 5

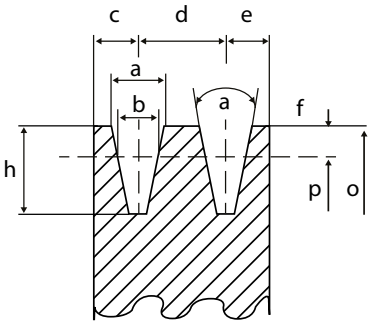


TYPE 6

- Material – Steel or Cast Iron

Groove detail

a	b	c	d	e
16.3	14	12.5	19	12.5
f	**h**	**a 34**	**a 38**	
3.5	17.5	P<=190	P>190	



SPB 8 Groove V Pulleys Taper Bore

DRIVEFLEX

24 246 251 958

Code	Stock size	Diameter P (mm)	Diameter O (mm)	Type	Bush	Bore ø max.	E	F	J	K	L	M	N
SPB140/8		140	147	3	2517	60	-	158	97	37.5	45	37.5	-
SPB160/8	✓	160	167	3	3020	75	-	158	117	53.5	51	53.5	-
SPB170/8	✓	170	177	3	3030	75	-	158	127	41	76	41	-
SPB180/8	✓	180	187	3	3030	75	-	158	137	41	76	41	-
SPB190/8	✓	190	197	3	3030	75	-	158	147	41	76	41	-
SPB200/8	✓	200	207	3	3535	90	-	158	157	34.5	89	34.5	-
SPB212/8	✓	212	219	3	3535	90	-	158	169	34.5	89	34.5	-
SPB224/8	✓	224	231	3	3535	90	-	158	181	34.5	89	34.5	-
SPB236/8	✓	236	243	3	3535	90	-	158	193	34.5	89	34.5	-
SPB250/8	✓	250	257	3	3535	90	-	158	207	34.5	89	34.5	-
SPB280/8	✓	280	287	6	3535	90	25	158	237	34.5	89	34.5	175
SPB300/8	✓	300	307	6	3535	90	25	158	257	34.5	89	34.5	175
SPB315/8	✓	315	322	6	3535	90	25	158	272	34.5	89	34.5	175
SPB335/8	✓	335	342	6	3535	90	25	158	292	34.5	89	34.5	175
SPB355/8	✓	355	362	6	3535	90	25	158	312	34.5	89	34.5	175
SPB400/8	✓	400	407	6	4040	100	30	158	357	28	102	28	210
SPB450/8	✓	450	457	5	4040	100	-	158	407	28	102	28	210
SPB500/8	✓	500	507	5	4040	100	-	158	457	28	102	28	210
SPB560/8	✓	560	567	5	4545	110	-	158	517	22	114	22	242
SPB630/8	✓	630	637	5	4545	110	-	158	587	22	114	22	242
SPB710/8	✓	710	717	5	4545	110	-	158	664	22	114	22	242
SPB800/8	✓	800	807	5	4545	110	-	158	754	22	114	22	242
SPB900/8		900	907	5	4545	110	-	158	854	22	114	22	242
SPB1000/8		1000	1007	5	5050	125	-	158	954	15.5	127	15.5	267
SPB1250/8		1250	1257	5	5050	125	-	158	1204	15.5	127	15.5	267

Taper Bore

Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked pulleys please contact our Manufacturing Department for a quotation.

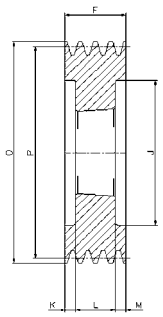


SPB 10 Groove V Pulleys Taper Bore

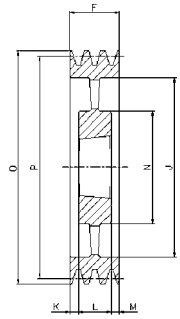
24 246 251 958

DRIVEFLEX

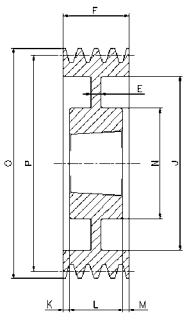
Taper Bore



TYPE 3



TYPE 5



TYPE 6

- Material – Steel or Cast Iron

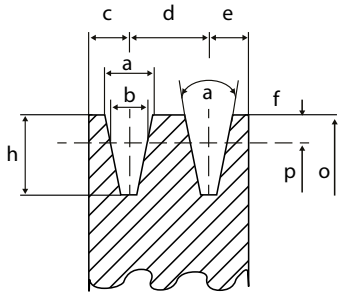
Code	Stock size	Diameter P (mm)	Diameter O (mm)	Type	Bush	Bore ø max.	E	F	J	K	L	M	N
SPB224/10	✓	224	231	3	3535	90	-	196	181	53.5	89	53.5	-
SPB236/10	✓	236	243	3	3535	90	-	196	193	53.5	89	53.5	-
SPB250/10	✓	250	257	3	3535	90	-	196	207	53.5	89	53.5	-
SPB280/10	✓	280	287	6	3535	90	30	196	237	53.5	89	53.5	175
SPB315/10	✓	315	322	6	3535	90	30	196	272	53.5	89	53.5	175
SPB335/10	✓	335	342	6	4040	100	30	196	292	47	102	47	210
SPB355/10	✓	355	362	6	4040	100	30	196	312	47	102	47	210
SPB400/10	✓	400	407	6	4040	100	30	196	357	47	102	47	210
SPB450/10	✓	450	457	5	4545	110	-	196	407	41	114	41	242
SPB500/10	✓	500	507	5	4545	110	-	196	457	41	114	41	242
SPB560/10	✓	560	567	5	4545	110	-	196	517	41	114	41	242
SPB630/10	✓	630	637	5	4545	110	-	196	587	41	114	41	242
SPB710/10		710	717	5	4545	110	-	196	664	41	114	41	242
SPB800/10		800	807	5	4545	110	-	196	754	41	114	41	242
SPB900/10		900	907	5	5050	125	-	196	854	34.5	127	34.5	267
SPB1000/10		1000	1007	5	5050	125	-	196	954	34.5	127	34.5	267

Taper Bore

Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked pulleys please contact our Manufacturing Department for a quotation.

Groove detail

a	b	c	d	e
16.3	14	12.5	19	12.5
f	**h**	**a 34**	**a 38**	
3.5	17.5	P<=190	P>190	



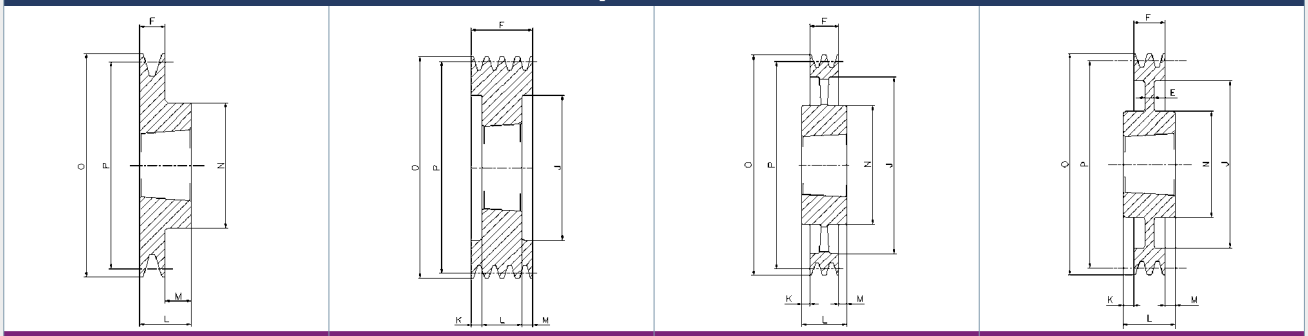
24hr Breakdown available | Customisable product | Product code builder | Compatible product

SPC 3 Groove V Pulleys Taper Bore

DRIVEFLEX

24 246 252 958

Taper Bore



TYPE 1 | TYPE 3 | TYPE 4 | TYPE 7

- Material – Steel or Cast Iron

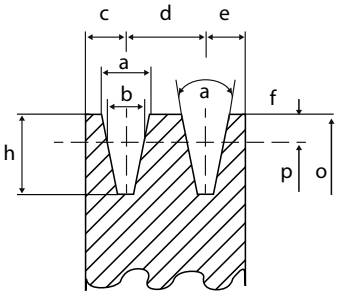
Code	Stock size	Diameter P (mm)	Diameter O (mm)	Type	Bush	Bore ø max.	E	F	J	K	L	M	N
SPC200/3	✓	200	209.6	3	2517	60	-	85	144	20	45	20	0
SPC212/3	✓	212	221.6	3	3020	75	-	85	156	17	51	17	0
SPC224/3	✓	224	233.6	3	3020	75	-	85	168	17	51	17	0
SPC236/3	✓	236	245.6	3	3020	75	-	85	180	17	51	17	0
SPC250/3	✓	250	259.6	3	3020	75	-	85	194	17	51	17	0
SPC265/3	✓	265	274.6	1	3535	90	-	85	209	-	89	4	175
SPC280/3	✓	280	289.6	1	3535	90	-	85	224	-	89	4	175
SPC300/3	✓	300	309.6	7	3535	90	20	85	244	2	89	2	175
SPC315/3	✓	315	324.6	7	3535	90	20	85	259	2	89	2	175
SPC335/3	✓	335	344.6	7	3535	90	20	85	279	2	89	2	175
SPC355/3	✓	355	364.6	7	3535	90	20	85	299	2	89	2	175
SPC375/3	✓	375	384.6	7	3535	90	25	85	319	2	89	2	175
SPC400/3	✓	400	409.6	7	3535	90	17	85	344	2	89	2	175
SPC425/3	✓	425	434.6	7	3535	90	17	85	369	2	89	2	175
SPC450/3	✓	450	459.6	4	3535	90	-	85	394	2	89	2	175
SPC475/3	✓	475	484.6	4	3535	90	-	85	419	2	89	2	175
SPC500/3	✓	500	509.6	4	3535	90	-	85	444	2	89	2	175
SPC530/3	✓	530	539.6	4	3535	90	-	85	474	2	89	2	175
SPC560/3	✓	560	569.6	4	3535	90	-	85	504	2	89	2	175
SPC630/3	✓	630	639.6	4	4040	100	-	85	574	8.5	102	8.5	210
SPC710/3	✓	710	719.6	4	4545	110	-	85	654	8.5	127	8.5	242
SPC800/3	✓	800	809.6	4	4545	110	-	85	737	14.5	114	14.5	242
SPC1000/3		1000	1009.6	4	5050	125	-	85	937	21	127	21	267
SPC1250/3		1250	1259.6	4	5050	125	-	85	1187	21	127	21	267

Taper Bore

Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked pulleys please contact our Manufacturing Department for a quotation.

Groove detail

a	b	c	d	e
22	19	17	255	17
f	**h**	**a 34**	**a 38**	
4.8	23.8	P<=316	P>315	

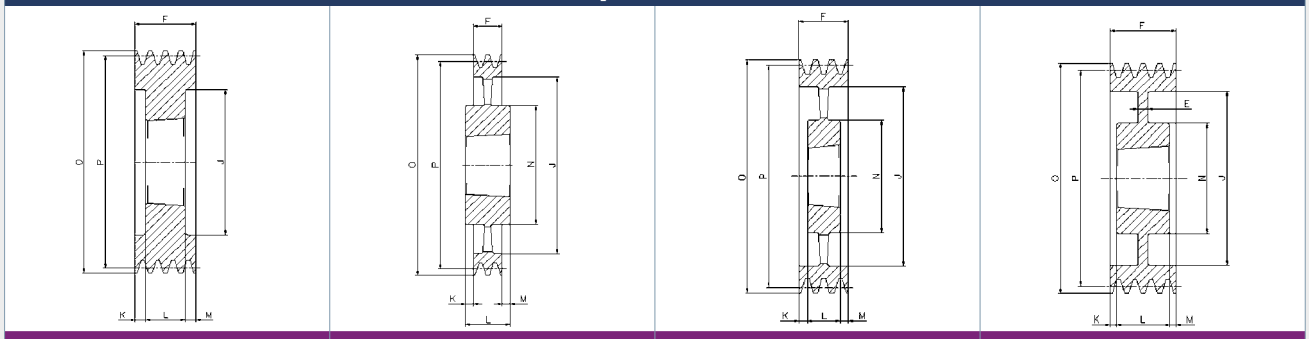


SPC 4 Groove V Pulleys Taper Bore

24 246 252 958

DRIVEFLEX

Taper Bore



TYPE 3 | TYPE 4 | TYPE 5 | TYPE 6

- Material – Steel or Cast Iron

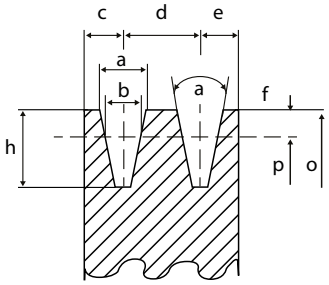
Code	Stock size	Diameter P (mm)	Diameter O (mm)	Type	Bush	Bore ø max.	E	F	J	K	L	M	N
SPC200/4	✓	200	209.6	3	3020	75	-	111	144	30	51	30	0
SPC212/4	✓	212	221.6	3	3020	75	-	111	156	30	51	30	0
SPC224/4	✓	224	233.6	3	3535	90	-	111	168	11	89	11	0
SPC236/4	✓	236	245.6	3	3535	90	-	111	180	11	89	11	0
SPC250/4	✓	250	259.6	3	3535	90	-	111	194	11	89	11	0
SPC265/4	✓	265	274.6	3	3535	90	-	111	209	11	89	11	0
SPC280/4	✓	280	289.6	6	3535	90	18	111	224	11	89	11	175
SPC300/4	✓	300	309.6	6	3535	90	20	111	244	11	89	11	175
SPC315/4	✓	315	324.6	6	3535	90	20	111	259	11	89	11	175
SPC335/4	✓	335	344.6	6	3535	90	20	111	279	11	89	11	175
SPC355/4	✓	355	364.6	6	3535	90	20	111	299	11	89	11	175
SPC375/4	✓	375	384.6	6	3535	90	25	111	319	11	89	11	175
SPC400/4	✓	400	409.6	6	3535	90	18	111	344	11	89	11	175
SPC425/4	✓	425	434.6	6	3535	90	18	111	369	11	89	11	175
SPC450/4	✓	450	459.6	5	3535	90	-	111	394	11	89	11	175
SPC475/4	✓	475	484.6	5	3535	90	-	111	419	11	89	11	175
SPC500/4	✓	500	509.6	5	3535	90	-	111	444	11	89	11	175
SPC530/4	✓	530	539.6	5	4040	100	-	111	474	4.5	102	4.5	210
SPC560/4	✓	560	569.6	5	4040	100	-	111	504	4.5	102	4.5	210
SPC630/4	✓	630	639.6	4	4545	110	-	111	574	1.5	114	1.5	242
SPC710/4		710	719.6	4	5050	125	-	111	654	8	127	8	267
SPC800/4	✓	800	809.6	4	5050	125	-	111	737	8	127	8	267
SPC1000/4		1000	1009.6	4	5050	125	-	111	937	8	127	8	267
SPC1250/4		1250	1259.6	4	5050	125	-	111	1187	8	127	8	267

Taper Bore

Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked pulleys please contact our Manufacturing Department for a quotation.

Groove detail

a	b	c	d	e
22	19	17	255	17
f	**h**	**a 34**	**a 38**	
4.8	23.8	P<=316	P>315	



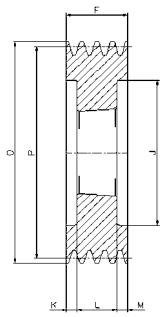
24hr Breakdown available | Customisable product | Product code builder | Compatible product

SPC 5 Groove V Pulleys Taper Bore

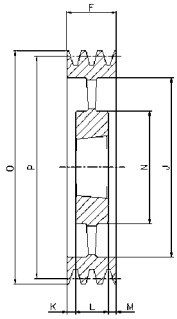
DRIVEFLEX

24 246 252 958

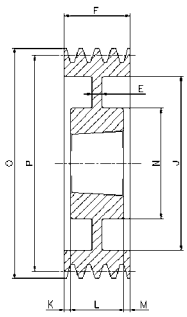
Taper Bore



TYPE 3



TYPE 5



TYPE 6

- Material – Steel or Cast Iron

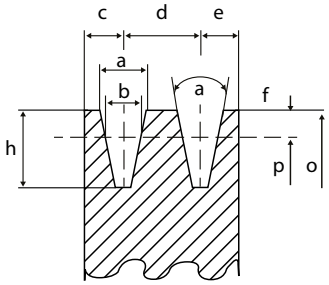
Code	Stock size	Diameter P (mm)	Diameter O (mm)	Type	Bush	Bore ø max.	E	F	J	K	L	M	N
SPC200/5	✓	200	209.6	3	3535	90	-	136	144	23.5	89	23.5	0
SPC212/5	✓	212	221.6	3	3535	90	-	136	156	23.5	89	23.5	0
SPC224/5	✓	224	233.6	3	3535	90	-	136	168	23.5	89	23.5	0
SPC236/5	✓	236	245.6	3	3535	90	-	136	180	23.5	89	23.5	0
SPC250/5	✓	250	259.6	3	3535	90	-	136	194	23.5	89	23.5	0
SPC265/5	✓	265	274.6	3	3535	90	-	136	209	23.5	89	23.5	0
SPC280/5	✓	280	289.6	3	3535	90	-	136	224	23.5	89	23.5	0
SPC300/5	✓	300	309.6	6	3535	90	20	136	244	23.5	89	23.5	175
SPC315/5	✓	315	324.6	6	3535	90	20	136	259	23.5	89	23.5	175
SPC335/5	✓	335	344.6	6	3535	90	20	136	279	23.5	89	23.5	175
SPC355/5	✓	355	364.6	6	3535	90	20	136	299	23.5	89	23.5	175
SPC375/5	✓	375	384.6	6	3535	90	25	136	319	23.5	89	23.5	175
SPC400/5	✓	400	409.6	6	3535	90	15	136	344	23.5	89	23.5	175
SPC425/5	✓	425	434.6	6	3535	90	20	136	369	23.5	89	23.5	175
SPC450/5	✓	450	459.6	5	4040	100	-	136	394	17	102	17	210
SPC475/5	✓	475	484.6	5	4040	100	-	136	419	17	102	17	210
SPC500/5	✓	500	509.6	5	4040	100	-	136	444	17	102	17	210
SPC530/5	✓	530	539.6	5	4545	110	-	136	474	11	114	11	240
SPC560/5	✓	560	569.6	5	4545	110	-	136	504	11	114	11	242
SPC630/5	✓	630	639.6	5	5050	125	-	136	574	4.5	127	4.5	267
SPC710/5	✓	710	719.6	5	5050	125	-	136	654	4.5	127	4.5	267
SPC800/5	✓	800	809.6	5	5050	125	-	136	737	4.5	127	4.5	267
SPC1000/5		1000	1009.6	5	5050	125	-	136	937	4.5	127	4.5	267
SPC1250/5		1250	1259.6	5	5050	125	-	136	1187	4.5	127	4.5	267

Taper Bore

Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked pulleys please contact our Manufacturing Department for a quotation.

Groove detail

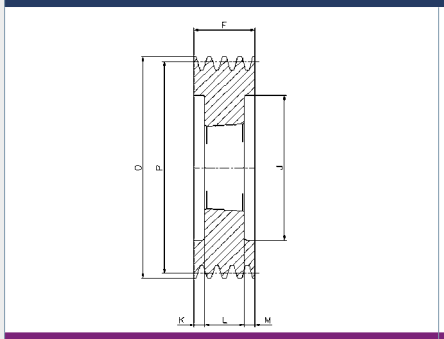
a	b	c	d	e
22	19	17	255	17
f	**h**	**a 34**	**a 38**	
4.8	23.8	P<=316	P>315	



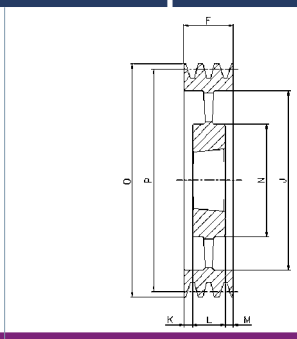
SPC 6 Groove V Pulleys Taper Bore

DRIVEFLEX

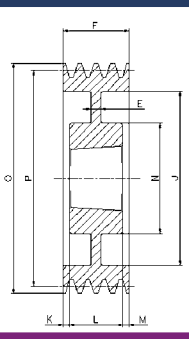
Taper Bore



TYPE 3



TYPE 5



TYPE 6

- Material – Steel or Cast Iron

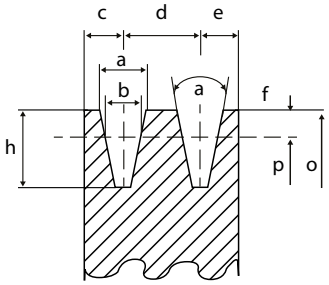
Code	Stock size	Diameter P (mm)	Diameter O (mm)	Type	Bush	Bore ø max.	E	F	J	K	L	M	N
SPC200/6	✓	200	209.6	3	3535	90	-	162	144	36.5	89	36.5	0
SPC212/6	✓	212	221.6	3	3535	90	-	162	156	36.5	89	36.5	0
SPC224/6	✓	224	233.6	3	3535	90	-	162	168	36.5	89	36.5	0
SPC236/6	✓	236	245.6	3	3535	90	-	162	180	36.5	89	36.5	0
SPC250/6	✓	250	259.6	3	3535	90	-	162	194	36.5	89	36.5	0
SPC265/6		265	274.6	3	3535	90	-	162	209	36.5	89	36.5	0
SPC280/6	✓	280	289.6	6	3535	90	20	162	224	36.5	89	36.5	175
SPC300/6	✓	300	309.6	6	3535	90	20	162	244	36.5	89	36.5	175
SPC315/6	✓	315	324.6	6	3535	90	20	162	259	36.5	89	36.5	175
SPC335/6	✓	335	344.6	6	3535	90	20	162	279	36.5	89	36.5	175
SPC355/6	✓	355	364.6	6	3535	90	20	162	299	36.5	89	36.5	175
SPC375/6	✓	375	384.6	6	4040	100	30	162	319	30	102	30	210
SPC400/6	✓	400	409.6	6	4040	100	30	162	344	30	102	30	210
SPC425/6	✓	425	434.6	6	4040	100	30	162	369	30	102	24	210
SPC450/6	✓	450	459.6	6	4545	110	30	162	394	24	114	24	242
SPC475/6	✓	475	484.6	6	4545	110	30	162	419	24	114	24	242
SPC500/6	✓	500	509.6	5	4545	110	-	162	444	24	114	24	242
SPC530/6	✓	530	539.6	5	5050	125	-	162	474	17.5	114	17.5	265
SPC560/6	✓	560	569.6	5	5050	125	-	162	504	17.5	127	17.5	267
SPC630/6	✓	630	639.6	5	5050	125	-	162	574	17.5	127	17.5	267
SPC710/6	✓	710	719.6	5	5050	125	-	162	654	17.5	127	17.5	267
SPC800/6	✓	800	809.6	5	5050	125	-	162	737	17.5	127	17.5	267
SPC1000/6		1000	1009.6	5	5050	125	-	162	937	17.5	127	17.5	267
SPC1250/6		1250	1259.6	5	5050	125	-	162	1187	17.5	127	17.5	267

Taper Bore

Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked pulleys please contact our Manufacturing Department for a quotation.

Groove detail

a	b	c	d	e
22	19	17	255	17
f	**h**	**a 34**	**a 38**	
4.8	23.8	P<=316	P>315	



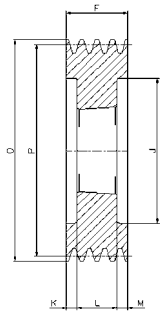
24hr Breakdown available
Customisable product
Product code builder
Compatible product

SPC 8 Groove V Pulleys Taper Bore

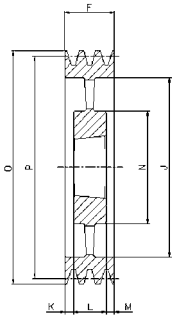
DRIVEFLEX

24 246 252 958

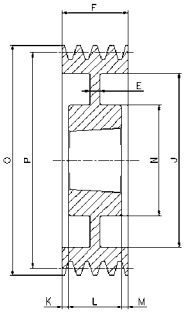
Taper Bore



TYPE 3



TYPE 5



TYPE 6

- Material – Steel or Cast Iron

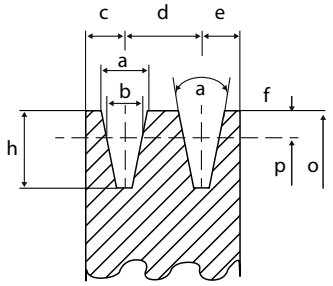
Code	Stock size	Diameter P (mm)	Diameter O (mm)	Type	Bush	Bore ø max.	E	F	J	K	L	M	N
SPC200/8	✓	200	209.6	3	3535	90	-	213	144	62	89	62	0
SPC212/8	✓	212	221.6	3	3535	90	-	213	156	62	89	62	0
SPC224/8	✓	224	233.6	3	3535	90	-	213	168	62	89	62	0
SPC236/8	✓	236	245.6	3	3535	90	-	213	180	62	89	62	0
SPC250/8	✓	250	259.6	3	3535	90	-	213	194	62	89	62	0
SPC265/8	✓	265	274.6	3	3535	90	-	213	209	62	89	62	0
SPC280/8	✓	280	289.6	3	3535	90	-	213	224	62	89	62	0
SPC300/8	✓	300	309.6	3	4040	100	-	213	244	55.5	102	55.5	0
SPC315/8	✓	315	324.6	3	4040	100	-	213	259	55.5	102	55.5	0
SPC335/8	✓	335	344.6	6	4040	100	50	213	279	55.5	102	55.5	210
SPC355/8	✓	355	364.6	6	4040	100	40	213	299	55.5	102	55.5	210
SPC375/8	✓	375	384.6	6	4545	110	30	213	319	49.5	114	49.5	242
SPC400/8	✓	400	409.6	6	4545	110	30	213	344	49.5	114	49.5	242
SPC425/8	✓	425	434.6	6	4545	110	30	213	369	49.5	114	49.5	240
SPC450/8	✓	450	459.6	6	5050	125	30	213	394	43	127	43	267
SPC475/8	✓	475	484.6	6	5050	125	30	213	419	43	127	43	267
SPC500/8	✓	500	509.6	6	5050	125	30	213	444	43	127	43	267
SPC530/8	✓	530	539.6	6	5050	125	30	213	474	43	127	43	267
SPC560/8	✓	560	569.6	5	5050	125	-	213	504	43	127	43	267
SPC630/8	✓	630	639.6	5	5050	125	-	213	574	43	127	43	267
SPC710/8	✓	710	719.6	5	5050	125	-	213	654	43	127	43	267
SPC800/8	✓	800	809.6	5	5050	125	-	213	737	43	127	43	267
SPC1000/8		1000	1009.6	5	5050	125	-	213	937	43	127	43	267
SPC1250/8		1250	1259.6	5	5050	125	-	213	1187	43	127	43	267

Taper Bore

Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked pulleys please contact our Manufacturing Department for a quotation.

Groove detail

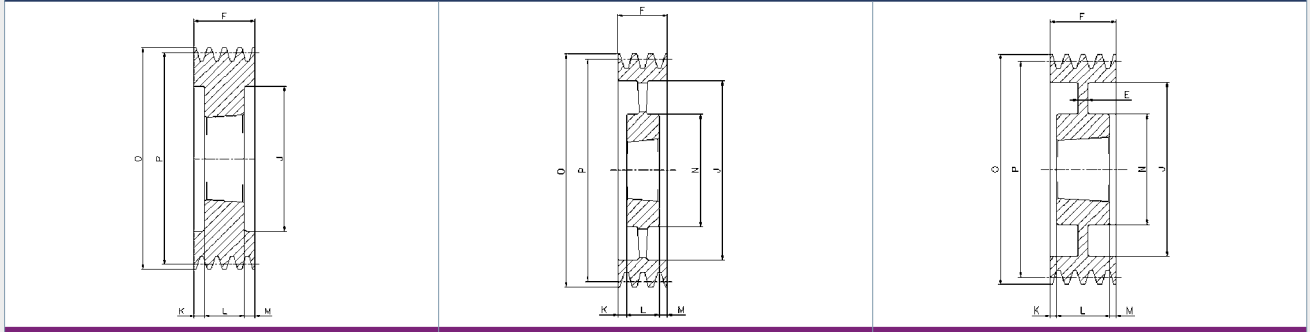
a	b	c	d	e
22	19	17	255	17
f	**h**	**a 34**	**a 38**	
4.8	23.8	P<=316	P>315	



SPC 10 Groove V Pulleys Taper Bore

DRIVEFLEX

Taper Bore



TYPE 3 | TYPE 5 | TYPE 6

- Material – Steel or Cast Iron

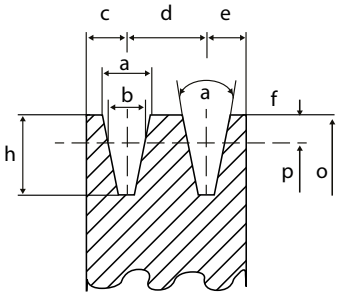
Code	Stock size	Diameter P (mm)	Diameter O (mm)	Type	Bush	Bore ø max.	E	F	J	K	L	M	N
SPC250/10	✓	250	259.6	3	4040	100	-	264	194	81	102	81	-
SPC280/10	✓	280	289.6	3	4040	100	-	264	224	81	102	81	-
SPC300/10	✓	300	309.6	3	4545	110	-	264	244	75	114	75	-
SPC315/10	✓	315	324.6	3	4545	110	-	264	259	75	114	75	-
SPC355/10	✓	355	364.6	3	4545	110	-	264	299	75	114	75	-
SPC400/10	✓	400	409.6	6	5050	125	70	264	344	68.5	127	68.5	267
SPC450/10	✓	450	459.6	6	5050	125	40	264	394	68.5	127	68.5	267
SPC500/10		500	509.6	6	5050	125	40	264	444	68.5	127	68.5	267
SPC560/10	✓	560	569.6	5	5050	125	-	264	504	68.5	127	68.5	267
SPC630/10		630	639.6	5	5050	125	-	264	574	68.5	127	68.5	267
SPC710/10		710	719.6	5	5050	125	-	264	654	68.5	127	68.5	267
SPC800/10		800	809.6	5	5050	125	-	264	737	68.5	127	68.5	267
SPC1000/10		1000	1009.6	5	5050	125	-	264	937	68.5	127	68.5	267
SPC1250/10		1250	1259.6	5	5050	125	-	264	1187	68.5	127	68.5	267

Taper Bore

Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked pulleys please contact our Manufacturing Department for a quotation.

Groove detail

a	b	c	d	e
22	19	17	255	17
f	**h**	**a 34**	**a 38**	
4.8	23.8	P<=316	P>315	





TransDev MANUFACTURING

SPECIAL PULLEYS

As well as manufacturing a complete range of standard pulleys, TransDev is also the UK's largest manufacturer of special pulleys.



Our Special Pulleys Service

- Custom pulleys
- Rework of pulleys
- All materials available
- Heat treatments
- Protective finishes
- Part marking
- Balancing

Pulley materials

A selection of materials available:

- Aluminium
- Steel
- Stainless Steel
- Brass
- Cast Iron
- Plastics

Custom pulleys

Drawings will be necessary for timing pulleys with additional features. These can be manufactured to your requirements in all materials and to the highest tolerances. We can provide most quotations to drawing within 1 hour. Live work queues enable us to make real time changes to assist your delivery requirements on existing orders in production. Our unparalled precision cutter range ensure optimum meshing, even in small pulley sizes.

Rework of Pulleys

Reboring

- Up to 180mm H7 as standard
- Over 180mm - *please enquire*

Keywaying

- Up to 25mm JS9 rectangular parallel keyways as standard
- Over 25mm and special - *please enquire*

Tapped holes

- Up to M16 as standard
- Over M16 - *please enquire*

Taper lock bush boring

- Up to 5050 as standard
- Over 5050 - *please enquire*

Special Tooth Profiles

T/TK Series	AT/ATK Series	ATP Series	ATN Series	BAT Series	SFAT Series	Imperial	SYNCHROCHAIN (CTD)	Poly Chain®	HTD	Powergrip GT	RPP	Supertorque (STD)	SILENTSYNC®
T2*						MXL(0.080")				2MR		S2M	
T2.5*						40 DP							
	AT3*								HTD3	3MR	RPP3	S3M	
												S4M	
												S4.5M	
T5*	AT5*					XL(1/5")			HTD5	5MR	RPP5	S5M	
	AT8*					L(3/8")	8	8	HTD8	8MR	RPP8	S8M	8
T10*	AT10*	ATP10*	ATN10*	BAT10*	SFAT10*	H(1/2")							
	ATS15*	ATP15*	ATN12.7*	BAT15*	SFAT15*	XH(7/8")	14	14	HTD14	14MR	RPP14	S14M	14
T20*	AT20*		ATN20*		SFAT20*	XXH(1 1/4")			HTD20				

* Available in standard, SE (reduced backlash) and zero-backlash

DRIVEFLEX

Poly V Pulleys



- HIGH QUALITY
- WIDE RANGE
- PRECISION PROFILE
- BLACK PHOSPHATED
- FULL TECHNICAL SUPPORT

Standard Poly V Pulleys

DRIVEFLEX

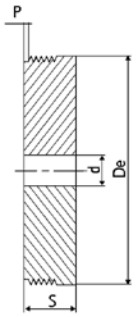
Effective diameters (mm)	PJ Section Number of ribs						PK Section Number of ribs					PL Section Number of ribs							PM Section Number of ribs				
	4	8	10	12	16	20	4	6	8	12	20	4	6	8	10	12	16	20	6	10	12	16	20
20																							
25																							
30																							
31.5																							
35																							
35.5																							
40		■		■	■																		
45		■		■	■																		
50		■		■	■																		
56		■		■	■																		
60																							
63		■		■	■																		
67																							
71		■		■	■																		
75		■		■	■									■		■							
80		■		■	■									■		■							
85		■		■	■									■		■	■						
90		■		■	■									■		■	■						
95		■		■	■									■		■	■						
100		■		■	■									■		■	■						
106		■		■	■									■		■	■						
112		■		■	■									■		■	■						
118		■		■	■									■		■	■						
125		■		■	■									■		■	■						
132		■		■	■									■		■	■						
140		■		■	■									■		■	■						
150														■		■	■						
160		■		■	■									■		■	■						
170														■		■	■						
180		■		■	■									■		■	■						
190																							
200		■		■	■								■	■	■	■	■						
212													■										
224		■		■	■									■		■	■						
236																							
250		■		■	■									■		■	■						
280		■			■									■		■	■						
315		■												■		■	■						
355		■														■							
400					■								■										
450																							
500																							
560																							
630																							
710																							

■ Standard Pulleys carried in stock
For non-standard pulleys in either pilot or taper bore, please enquire

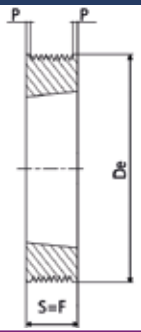
Poly V Pulleys – PJ Section

DRIVEFLEX

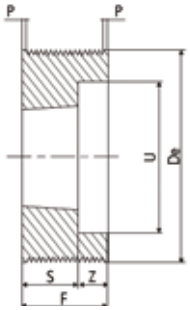
PJ Section



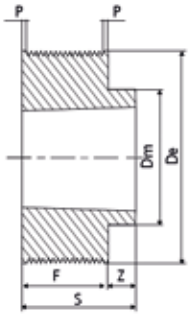
TYPE 1



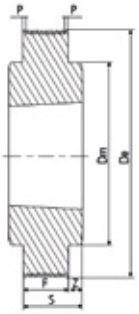
TYPE 2



TYPE 3



TYPE 4



TYPE 5

Poly V Pulleys – PJ Section

DRIVEFLEX



PJ Section

De	Type	Grooves	Bush	S	Z	Dm	U	d
40	1	8	–	32	–	–	–	12
	1	12	–	41.5	–	–	–	12
	1	16	–	51	–	–	–	12
45	1	8	–	32	–	–	–	12
	1	12	–	41.5	–	–	–	12
	1	16	–	51	–	–	–	12
50	1	8	–	32	–	–	–	12
	1	12	–	41.5	–	–	–	12
	1	16	–	51	–	–	–	12
56	2	8	1108	23	–	–	–	–
	3	12	1108	23	9.5	–	40	–
	1	16	–	51	–	–	–	12
63	2	8	1108	23	–	–	–	–
	3	12	1108	23	9.5	–	46	–
	1	16	–	51	–	–	–	12
71	2	8	1108	23	–	–	–	–
	3	12	1108	23	9.5	–	46	–
	2	16	1215	42	–	–	55	–
75	2	8	1108	23	–	–	–	–
	3	12	1610	26	6.5	–	60	–
	3	16	1610	26	16	–	60	–
80	4	8	1610	26	3	70	–	–
	3	12	1610	26	6.5	–	60	–
	3	16	1610	26	16	–	60	–
85	4	8	1610	26	3	70	–	–
	3	12	1610	26	6.5	–	60	–
	3	16	1610	26	16	–	60	–
90	4	8	1610	26	3	70	–	–
	3	12	1610	26	6.5	–	74	–
	3	16	1610	26	16	–	74	–
95	4	8	1610	26	3	82	–	–
	3	12	1610	26	6.5	–	74	–
	3	16	1610	26	16	–	74	–
100	4	8	1610	26	3	82	–	–
	3	12	1610	26	6.5	–	74	–
	3	16	1610	26	16	–	74	–

De	Type	Grooves	Bush	S	Z	Dm	U
106	4	8	1610	26	3	82	–
	3	12	1610	26	6.5	–	88
	3	16	1610	26	16	–	88
112	4	8	1610	26	3	90	–
	3	12	1610	26	6.5	–	88
	3	16	1610	26	10	–	88
118	4	8	1610	26	3	90	–
	3	12	2012	32	0.5	–	98
	3	16	2012	32	16	–	98
125	4	8	1610	26	3	90	–
	3	12	2012	32	0.5	–	98
	3	16	2012	32	10	–	98
132	4	8	1610	26	3	90	–
	3	12	2012	32	0.5	–	98
	3	16	2012	32	10	–	98
140	4	8	1610	26	3	90	–
	4	12	2517	45	12.5	120	–
	4	16	2517	45	3	120	–
160	4	8	2012	32	4.5	110	–
	4	12	2517	45	12.5	120	–
	4	16	2517	45	3	120	–
180	5	8	2012	32	4.5	110	–
	5	12	2517	45	6.25	120	–
	5	16	2517	45	1.5	120	–
200	5	8	2012	32	4.5	110	–
	5	12	2517	45	6.25	120	–
	5	16	2517	45	1.5	120	–
224	5	8	2012	32	4.5	110	–
	5	12	2517	45	6.25	120	–
	5	16	2517	45	1.5	120	–
250	5	8	2012	32	4.5	110	–
	5	12	2517	45	16.25	120	–
	5	16	2517	45	1.5	120	–

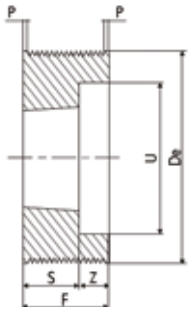
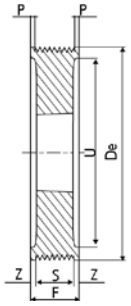
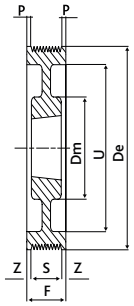
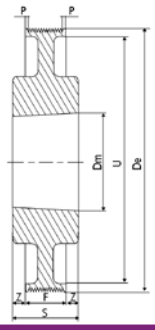
RIBS	F ±0.1	P
8	23	3.31
12	32.5	3.38
16	42	3.45

Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked pulleys please contact our Manufacturing Department for a quotation.

Poly V Pulleys – PL Section

24 274 958

DRIVEFLEX

PL Section	
	
TYPE 3	TYPE 6
	
TYPE 7	TYPE 8



See **Poly V Belts – Page 267**

Poly V Pulleys – PL Section

DRIVEFLEX



PL Section

De	Type	Grooves	Bush	S	Z	Dm	U
75	3	8	1210	26	22	–	56
	3	12	1215	42	25	–	56
80	3	8	1210	26	22	–	56
	3	12	1215	42	25	–	56
85	3	8	1210	26	22	–	61
	3	12	1215	42	25	–	61
	6	16	1215	42	22	–	61
90	3	8	1610	26	22	–	66
	3	12	1615	42	25	–	66
	6	16	1615	42	22	–	66
95	3	8	1610	26	22	–	71
	3	12	1615	42	25	–	71
	6	16	1615	42	22	–	71
100	3	8	1610	26	22	–	76
	3	12	2012	32	35	–	79
	6	16	2012	32	27	–	79
106	3	8	1610	26	22	–	82
	3	12	2012	32	35	–	82
	6	16	2012	32	27	–	82
112	3	8	1610	26	22	–	88
	3	12	2012	32	35	–	88
	6	16	2012	32	27	–	88
118	3	8	2012	32	16	–	94
	6	12	2517	45	11	–	97
	6	16	2517	45	20.5	–	97
125	3	8	2012	32	16	–	101
	6	12	2517	45	11	–	101
	6	16	2517	45	20.5	–	101
132	3	8	2012	32	16	–	108
	6	12	2517	45	11	–	108
	6	16	2517	45	20.5	–	108

De	Type	Grooves	Bush	S	Z	Dm	U
140	3	8	2517	45	3	82	116
	6	12	2517	45	11	–	116
	6	16	2517	45	20.5	–	116
150	3	8	2517	45	3	–	126
	6	12	2517	45	11	–	126
	6	16	2517	45	20.5	–	126
160	3	8	2517	45	3	–	136
	6	12	2517	45	11	–	136
	6	16	3020	52	17	–	136
170	3	8	2517	45	3	–	146
	6	12	2517	45	11	–	146
	6	16	3020	52	17	–	146
180	7	8	2517	45	1.5	120	156
	7	12	2517	45	11	120	156
	6	16	3020	52	17	–	156
200	7	8	2517	45	1.5	120	176
	7	12	3020	52	11	146	176
	7	16	3020	52	17	146	176
224	7	8	2517	45	1.5	120	202
	7	12	3020	52	7.5	146	202
	7	16	3020	52	1.5	146	202
250	8	8	3020	52	2	146	228
	7	12	3020	52	7.5	146	228
	8	16	3535	89	1.5	178	228
280	8	8	3020	52	2	146	256
	7	12	3020	52	7.5	146	256
	8	16	3535	89	1.5	178	256
315	8	8	3020	52	2	146	285
	8	12	3535	89	11	146	285
	8	16	3535	89	1.5	178	285

RIBS	F ±0.1	P
8	48	7.55
12	67	7.65
16	86	7.75

Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked pulleys please contact our Manufacturing Department for a quotation.

BRECO
TIMING BELTS

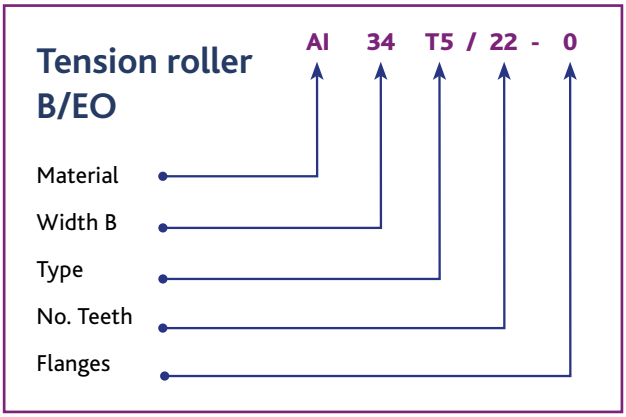
Tension Rollers



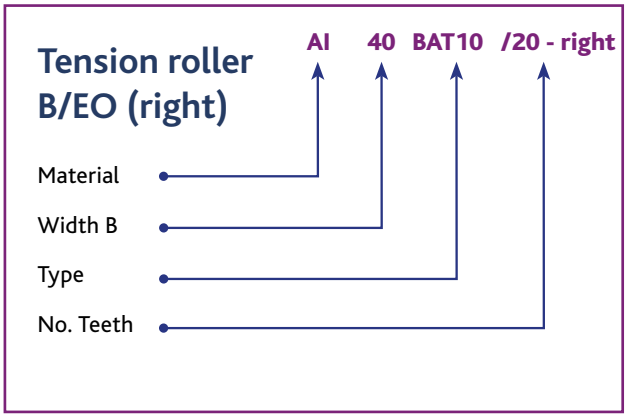
- TOOTHED T, AT, BAT PROFILES
- SMOOTH RUNNING SURFACES
- STEEL AXIS
- ALUMINIUM ROLLERS AND FLANGES
- GREASED ROLLER BEARINGS

Tension Rollers Ordering Examples

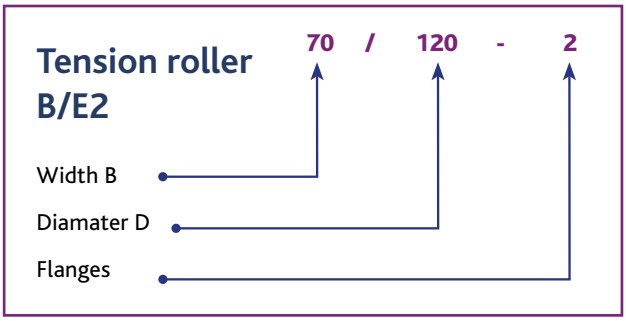
B/EO Order Example



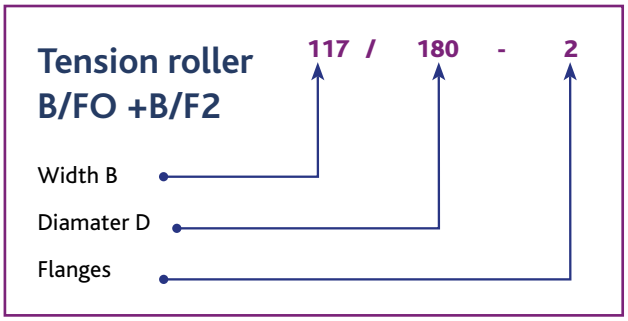
B/EO (right) Order Example



B/E2 Order Example



B/FO + B/F2 Order Example



For any feature required, but not listed above please contact sales@transdev.co.uk

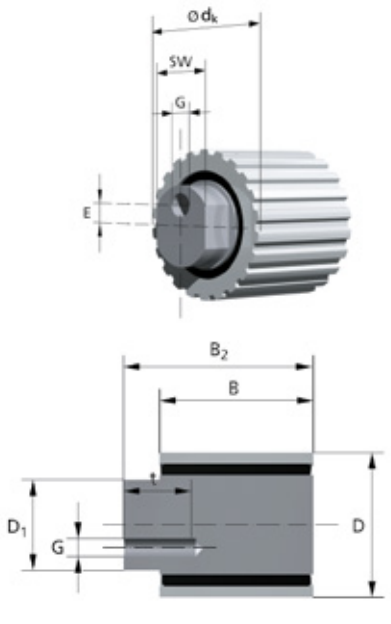
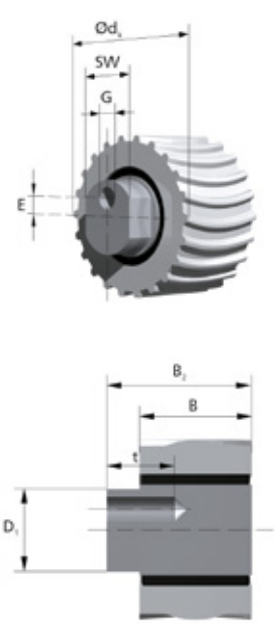
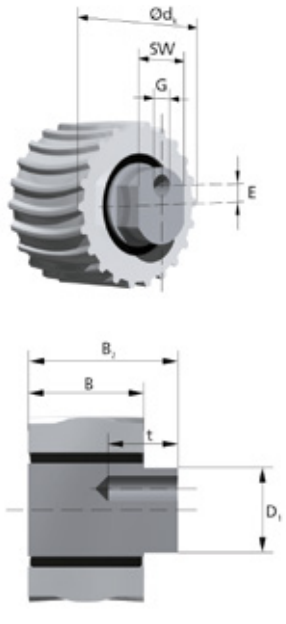


See **Pulleys – Page 328**

Tension rollers Type B with excenter, teeth on the running surface

497 15

BRECO TIMING BELTS

Tension roller (T-, AT profile)	Tension roller (BAT profile)	Tension roller (BAT profile)
		
Type B/EO (toothed)	Type B/EO left	Type B/EO right

- Material – Steel Axis, Aluminium running roller

Tension rollers B are seated twice on grooved roller bearings. The bearings are greased for live. Permanent temperatures to 70°C and under will not lead to a reduced useful life of the grease. Short-term temperatures up to 120°C are permitted.

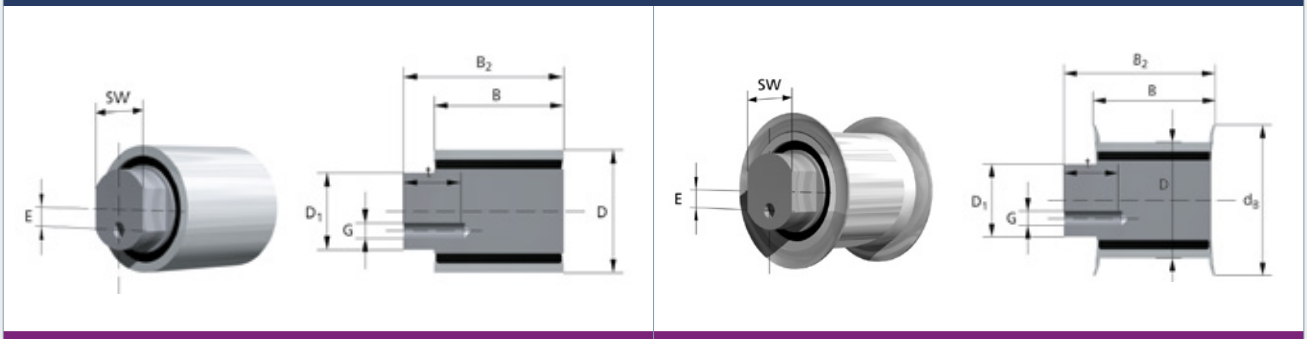
Tension roller Type B/E0															
Code	B (mm)	Type	No. Teeth	No. flanges	Max. belt width (mm)	d_k (mm)	B_2 (mm)	E (mm)	G	t (mm)	D_1 (mm)	SW (mm)	Loadbearing parameters		max. Rotational speeds n [min^{-1}]
													$C_{dyn.}$ (N)	$C_{stat.}$ (N)	
B/EO-34-T5-22-0	34	T5	22	0	25	34.15	42	5	M6	10	20	17	7950	3920	30000
B/EO-40-T10-20-0	40	T10	20	0	32	61.80	50	5	M12	20	30	27	19300	13100	30000
B/EO-64-T10-20-0	64	T10	20	0	50	61.80	74	5	M12	20	30	27	19300	13100	15000
B/EO-34-AT5-22-0	34	AT5	22	0	25	33.79	42	5	M6	10	20	17	7950	3920	15000
B/EO-40-AT10-20-0	40	AT10	20	0	32	61.84	50	5	M12	20	30	27	19300	13100	15000
B/EO-64-AT10-20-0	64	AT10	20	0	50	61.84	74	5	M12	20	30	27	19300	13100	15000
B/EO-40-BAT10-20-0	40	BAT10	20*	0	32	61.84	50	5	M12	20	30	27	19300	13100	15000
B/EO-64-BAT10-20-0	64	BAT10	20*	0	50	61.84	74	5	M12	20	30	27	19300	13100	15000
B/EO-40-BATK10-24-0	40	BATK10	24	0	32	74.57	50	5	M12	20	30	27	19300	13100	15000
B/EO-64-BATK10-24-0	64	BATK10	24	0	50	74.57	74	5	M12	20	30	27	19300	13100	15000

Tension rollers Type B with excenter, smooth running surface

BRECO TIMING BELTS

497 15

Tension roller



Type B/EO (smooth) | Type B/E2 (smooth)

- Material – Steel Axis, Aluminium running roller, Aluminium flanges

Tension roller Type B/E0														
Code	B (mm)	D (mm)	No. flanges	Max. belt width (mm)	d_B (mm)	B_2 (mm)	E (mm)	G	t (mm)	D_1 (mm)	SW (mm)	Loadbearing parameters		max. Rotational speeds n [min^{-1}]
												$C_{dyn.}$ (N)	$C_{stat.}$ (N)	
B/EO-34-32-0	34	32	0	25	-	42	5	M6	10	20	17	7950	3920	10000
B/EO-40-60-0	40	60	0	32	-	50	5	M12	20	30	27	19300	13100	5000
B/EO-64-60-0	64	60	0	50	-	74	5	M12	20	30	27	19300	13100	5000
B/EO-40-80-0	40	80	0	32	-	50	5	M12	20	30	27	19300	13100	5000
B/EO-64-80-0	64	80	0	50	-	74	5	M12	20	30	27	19300	13100	5000
B/EO-90-80-0	90	80	0	75	-	110	5	M20	32	45	36	48000	38000	5000
B/EO-40-120-0	40	120	0	32	-	50	5	M12	20	30	27	19300	13100	5000
B/EO-64-120-0	64	120	0	50	-	74	5	M12	20	30	27	19300	13100	5000
B/EO-70-120-0	70	120	0	50	-	85	5	M20	30	45	36	70500	48000	5000
B/EO-90-120-0	90	120	0	75	-	110	5	M20	32	45	36	48000	38000	5000
B/EO-40-150-0	40	150	0	32	-	50	5	M12	20	30	27	19300	13100	5000
B/EO-64-150-0	64	150	0	50	-	74	5	M12	20	30	27	19300	13100	5000
B/EO-90-150-0	90	150	0	75	-	110	5	M20	32	45	36	48000	38000	5000

Tension roller Type B/E2														
B/E2-34-32-2	34	32	2	25	41.5	42	5	M6	10	20	17	7950	3920	10000
B/E2-40-60-2	40	60	2	32	71	50	5	M12	20	30	27	19300	13100	5000
B/E2-64-60-2	64	60	2	50	71	74	5	M12	20	30	27	19300	13100	5000
B/E2-40-80-2	40	80	2	32	91	50	5	M12	20	30	27	19300	13100	5000
B/E2-64-80-2	64	80	2	50	91	74	5	M12	20	30	27	19300	13100	5000
B/E2-90-80-2	90	80	2	75	91	110	5	M20	32	45	36	48000	38000	5000
B/E2-40-120-2	40	120	2	32	132	50	5	M12	20	30	27	19300	13100	5000
B/E2-64-120-2	64	120	2	50	132	74	5	M12	20	30	27	19300	13100	5000
B/E2-70-120-2	70	120	2	50	137	85	5	M20	30	45	36	70500	48000	5000
B/E2-90-120-2	90	120	2	75	137	110	5	M20	32	45	36	48000	38000	5000
B/E2-40-150-2	40	150	2	32	162	50	5	M12	20	30	27	19300	13100	5000
B/E2-64-150-2	64	150	2	50	162	74	5	M12	20	30	27	19300	13100	5000
B/E2-90-150-2	90	150	2	75	162	110	5	M20	32	45	36	48000	38000	5000

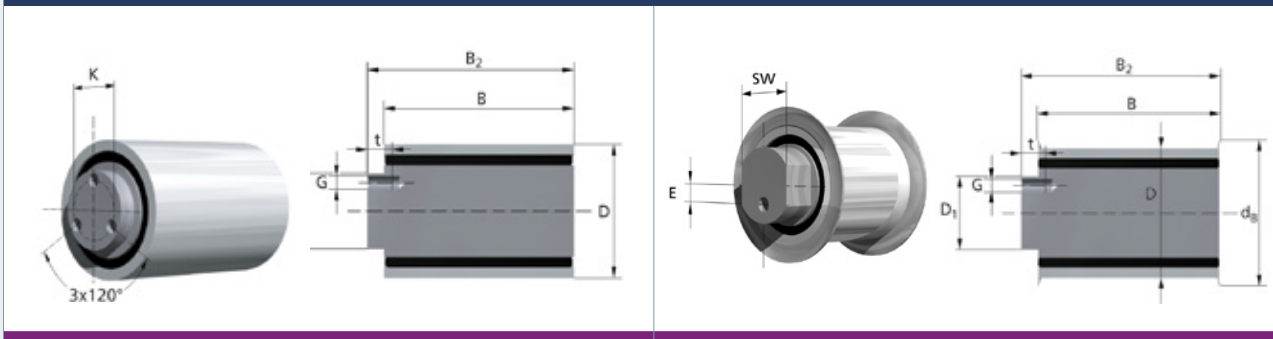
Tension rollers B are seated twice on grooved roller bearings. The bearings are greased for live. Permanent temperatures to 70°C and under will not lead to a reduced useful life of the grease. Short-term temperatures up to 120°C are permitted.

Tension rollers Type B with flange, smooth running surface

497 15

BRECO TIMING BELTS

Tension roller



Type B/FO (smooth) | Type B/F2 (smooth)

- Material – Steel Axis, Aluminium running roller, Aluminium flanges

Tension roller Type B/F0													
Code	B (mm)	D (mm)	No. flanges	Max. belt width (mm)	d_B (mm)	B_2 (mm)	K (mm)	G	t (mm)	D_1 (mm)	Loadbearing parameters		max. Rotational speeds n [min^{-1}]
											$C_{dyn.}$ (N)	$C_{stat.}$ (N)	
B/FO-114-60-0	114	60	0	100	-	124	34	M8 (3x)	15	45	19300	13100	5000
B/FO-114-80-0	114	80	0	100	-	124	34	M8 (3x)	15	45	19300	13100	5000
B/FO-70-120-0	70	120	0	50	-	85	65	M12 (3x)	24	85	70500	48000	5000
B/FO-90-120-0	90	120	0	75	-	110	65	M12 (3x)	24	85	70500	48000	5000
B/FO-117-120-0	117	120	0	100	-	131	65	M12 (3x)	24	85	70500	48000	5000
B/FO-70-180-0	70	180	0	50	-	85	65	M12 (3x)	25	106	70500	48000	5000
B/FO-90-180-0	90	180	0	75	-	110	80	M16 (3x)	25	106	106000	76000	5000
B/FO-117-180-0	117	180	0	100	-	131	80	M16 (3x)	25	106	106000	76000	5000

Tension roller Type B/F2													
Code	B (mm)	D (mm)	No. flanges	Max. belt width (mm)	d_B (mm)	B_2 (mm)	K (mm)	G	t (mm)	D_1 (mm)	Loadbearing parameters		max. Rotational speeds n [min^{-1}]
											$C_{dyn.}$ (N)	$C_{stat.}$ (N)	
B/F2-114-60-2	114	60	2	100	71	124	34	M8 (3x)	15	45	19300	13100	5000
B/F2-114-80-2	114	80	2	100	91	124	34	M8 (3x)	15	45	19300	13100	5000
B/F2-70-120-2	70	120	2	50	137	85	65	M12 (3x)	24	85	70500	48000	5000
B/F2-90-120-2	90	120	2	75	137	110	65	M12 (3x)	24	85	70500	48000	5000
B/F2-117-120-2	117	120	2	100	137	131	65	M12 (3x)	24	85	70500	48000	5000
B/F2-70-180-2	70	180	2	50	204	85	65	M12 (3x)	25	106	70500	48000	5000
B/F2-90-180-2	90	180	2	75	204	110	80	M16 (3x)	25	106	106000	76000	5000
B/F2-117-180-2	117	180	2	100	204	131	80	M16 (3x)	25	106	106000	76000	5000



CHAIN

Introduction 502

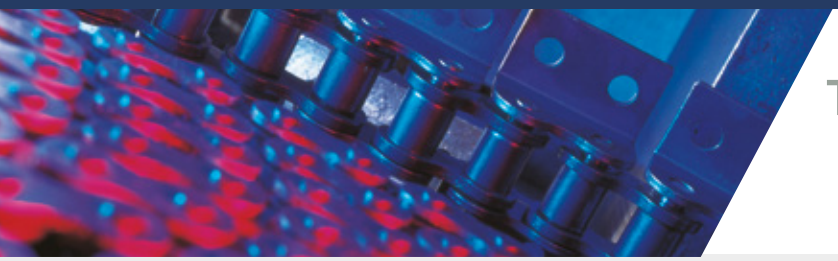
Wippermann 506
Introduction 507
British Standard Roller Chain
Steel 508
Stainless Steel including American Standard 511
Low Maintenance and Maintenance-Free Roller Chains 516
MARATHON 518
BIATHLON 528
TRIATHLON 536
Copperhead Chains 544
American Standard
Roller and Heavy Duty Chain 547
Side Bow Chain 1123
Double Pitch 551
Special Heavy Duty Chains 552
Hollow Pin 553
Works Standard/Agricultural Chain 554
Attachment Roller Chains 556
Accumulator Chains 566
Leaf Chains 572

TYC 576
Introduction 577
Standard Roller Chain (British & American Standard)
Steel 578
Stainless Steel 586
Nickel Plated 588
Heavy Duty Chain 589
Straight Side Plate 590
Self Lubricating 591
Extended Pitch 594
Attachment Chain
British Standard 598
American Standard 601
American Standard Extended Pitch 608
Hollow Pin Roller Chain 611
Side Bow Chain 612
Snap-on Chain 614
Bicycle & Motorcycle Chain 615
Leaf Chain 616

Witra 620
Introduction 621
Standard Roller Chain
Steel (British & American Standard) 622
Steel (Heavy Series) 627
Stainless Steel 629
Nickel Plated 630
Straight Side Plate 631
Double Pitch Chains 633
Attachment Chains 635
Leaf Chain 640

DID 643
Environment Resistant & Ultimate Life Chain Series 645

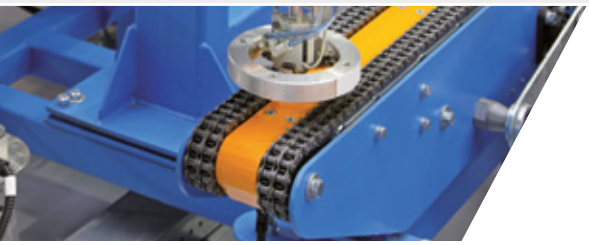
Chain Breakers & Pullers 649



TransDev Chain

THE CHAIN BRANDS THAT GO THE DISTANCE

TransDev holds large stocks of industrial chain for immediate despatch. With onsite assembly capability, we are well-placed to support any standard or custom requirements such as attachments.





NEW
Wippermann Low-maintenance & Maintenance-free chains now available



TransDev Chain

TransDev has been supplying chain products as part of its extensive power transmission range since 1985. The range consists of major brands such as Wippermann, Witra,TYC and DID.

Our chain range encompasses everything from premium and budget chain, to British and American standards. Materials include Steel, Stainless Steel, and Nickel Plated, with multiple variations available.

As well as stocking standard chain, we also supply specialist chains and attachment chains, with our own manufactured attachments and onsite assembly. TransDev can also fit and manufacture special attachments.

TransDev also manufactures Plastic Chain Guides, which can be found on Page 1067.

Visit transdev.co.uk to download our chain product guides

Industrial Chain products

- Roller chain
- Simplex, duplex and triplex
- Attachment Chain
- Accumulator Chain
- Agricultural Chain
- Extended Pitch Chain
- Heavy Duty Chain
- Leaf Chain
- Self-Lube Chain
- Low Maintenance Chain
- Maintenance-free Chain
- Hollow Pin Chain
- Straight Side Chain
- Sidebow Chain
- Snap-on Chain
- Easy break Chain
- Bicycle & Motorbike Chain
- Environment Resistant Chains
- O Ring Chain



	WIPPERMANN	Witra	TYCO	D.I.D
Roller Chains	✓	✓	✓	✓
Attachment Chain	✓	✓	✓	
Accumulator Chain	✓			
Agricultural Chain	✓			
Extended/Double Pitch Chain	✓	✓	✓	
Heavy Duty Chain	✓	✓	✓	
Leaf Chain	✓	✓	✓	
Self-Lube Chain	✓		✓	✓
Low Maintenance Chain	✓		✓	
Maintenance-free Chain	✓			
Hollow Pin Chain	✓		✓	
Straight Side Chain	✓	✓	✓	
Sidebow Chain	✓		✓	
Snap-on Chain	✓		✓	
Easy break Chain	✓			
Bicycle & Motorbike Chain			✓	✓
Environment Resistant Chains	✓		✓	✓
O Ring Chain				✓



Chain Ordering Example

How to order or enquire about Roller Chains

1: Length of chain in metres or pitches

- When ordered by length in metres (e.g. 5m), the end links are always inner links. Connecting links must be ordered separately.
- When ordered by a certain number of pitches, this number should be divisible by the distance T of the special links (e.g. chain length 176 pitches, T = 4p, i.e. every 4th pitch is a special link; the chain includes 176:4 = 44 special links). If the chain length cannot be a multiple of T, but has to be longer or shorter for design reasons, this fact must be clearly stated as: "Does not work out even!" In such a case the distance T at the end of the chain will be alternately longer or shorter.
- With a distance of T = 2p (each outer link is a special link), the connecting link is supplied in the respective special design. With a distance of T = 4p and more the connecting link will be supplied in the standard design.

Orders for chains with even number of links

Type	Chain is supplied:
Ready to be installed	Including one connecting link
Open*	End links = inner links *(including one single cranked link)*
Endless	Riveted

Orders for chains with odd number of links

Type	Chain is supplied:
Open*	End links = inner links
Endless	Endless* riveted *(including one cranked link)*

* When cranked links are used, roller chains may only have 80% of the breaking load. Avoid if possible!

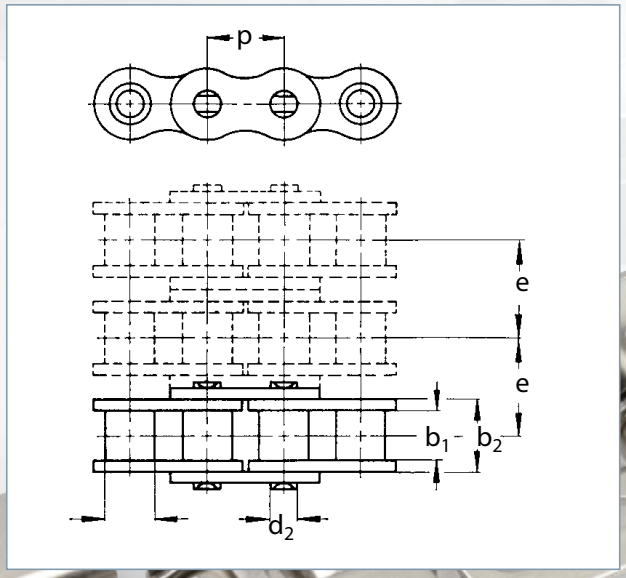
2: Chain number

Brand e.g. Wippermann – Chain No.
If this is unknown e.g. when ordering replacement chains, please supply a short part of the chain as a sample (at least one inner link) or, alternatively, state the following dimensions according to the drawing below:

- Pitch p
- Inner width b1
- Inner link width b2
- Roller and bushing diameter as well as
- Pin diameter of chains d2
- Transverse pitch (only for multiplex roller chains)
- Please state, if simplex, duplex or multiplex chain designs are required.

For replacement chains it is sufficient to state the main dimensions p, b1 and d2 as well as e for multiplex chains. If a chain is to be extended or repaired, all the dimensions shown in the drawing must be supplied.

Chain dimensions to be supplied



24hr Breakdown available
Customisable product
Product code builder
Compatible product

How to order or enquire about Roller Chains

3: What will the chain be used for?

Please inform us on the application area of the chain. We will then be able to offer you the perfect chain for the application you have in mind – and you will benefit from our extensive experience!

Parallel running chains
Chains envisaged for parallel running operation are matched for length, pre-stretched and marked at extra cost. It is important to clearly stipulate this requirement when ordering! In special cases measured chains can be supplied at extra cost.

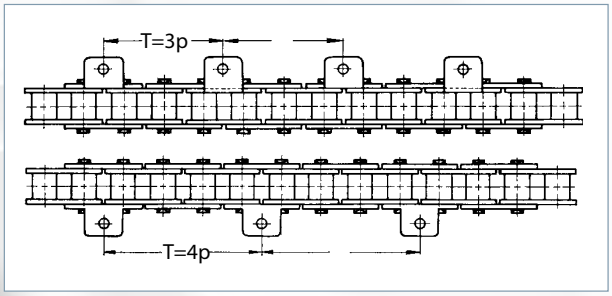
4: Attachment spacing T of special links

- In (preferably even) multiples of pitch p. If attachments are also available on the inner link, the attachment spacing can be arranged in any way. In case of an odd number (e.g. T = 3p) the attachment is alternated on the outer and inner rings. If inner link attachments are not available, an odd number spacing can only be made possible by mounting a cranked connecting link No. 12, or a double cranked link No. 15. In this case the chain may only have 80% of the breaking load!

Type of attachment links

(e.g. A, B, C, D, E or F); for other special designs please state if single-sided or double sided attachments are required.

Spacing of special links



WIPPERMANN

Wippermann Roller Chains



GERMAN QUALITY

STEEL & STAINLESS STEEL

BS & ASA ROLLER CHAIN

COPPERHEAD CHAIN

ACCUMULATOR,
ATTACHMENT & LEAF CHAIN

MAINTENANCE-FREE CHAIN



WIPPERMANN

WIPPERMANN INDUSTRIAL CHAINS

Wippermann design and manufacture chains that deliver maximum performance and optimum efficiency in increasingly demanding applications.

Introduction

Industrial chain requirements are becoming more and more complex: high fatigue strength, high-temperature application and freedom from maintenance, to name but a few. Wippermann offer a broad range of extremely reliable standard chains, whether Roller Chains with and without attachments, Leaf Chains or various special chains.

Perfect engineering

Customers from the automotive, food, packaging and many other industries appreciate the high quality of Wippermann products. From the production of the individual components made of high-grade Steel strips up to the final installation of the chains – the entire production is based at Wippermann's headquarters in Hagen, Germany.

Wippermann consider products optimal if they comply with both their strict quality and environmental standards and the high expectations of customers. Expertise across all production steps, from the raw materials to the elaborate manufacturing processes, through to application planning is paramount to their success.

Research and development

Wippermann's research activities are dedicated to developing products for future requirements and also to open up new fields of applications, for instance in areas where the potential efficiency of chain has not been fully exploited. Also conforms to the latest version of DIN EN ISO 9001 Rev. 2000 thus proving a commitment to excellence in its development, construction, assembly and customer service divisions. Wippermann also holds customer quality approvals across many fields and applications. Tight final inspection is carried out on the finished product using advanced metrology systems, ensuring long life and reliability for customer end-product.

Applications

Wippermann chain is used for varied applications, e.g.

- Agricultural machinery
- Assembly plants
- Car wash systems
- Container carriers
- Conveyors
- Food packaging plants
- Galvanizing plants
- High rack warehouse technology
- Laundry machines
- Lift trucks and hoisting
- Packaging machines
- Painting plants
- Plants for the pharmaceutical industry
- Production plants for the electrical industry
- Solar cleaning plants
- Warehouse and packaging plants
- Water-management facilities

If you can't find your application we will develop the perfect solution together with you.

Low Maintenance & Maintenance-Free Chain

Maintenance-free chains cover a wide range of applications. The interaction of the modular components leads to a unique performance profile for each chain model. The result: tailor-made drive solutions for the electrical, food, packaging and automotive industry where lubrication of the chains is not possible for technical or economic reasons.

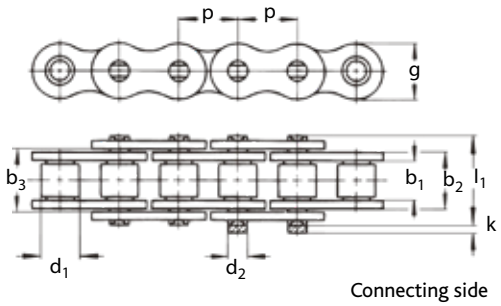
See P516



Simplex to ISO 606-1982

WIPPERMANN

British Standard



Connecting side

SIMPLEX TO ISO 606-1982

- Electrogalvanised or Nickel-plated chains on request. In this case chains may only have 80% of the tensile strength.



Chain		Pitch		Inner width	Inner link width	Outer plate width	Roller Ø	Pin Ø	Plate height	Projection over connecting link	Width over pin	Bearing area	Breaking load	Weight	Connecting links
	ISO	p		b_1	b_2	b_3	d_1	d_2	g	k	l_1	f	F_B	q	
				min.	max.	min.	max.	max.	max.	max.	max.		min.	≈	
No.	No.	mm	inch	mm	mm	mm	mm	mm	mm	mm	mm	cm^2	kN	kg/m	No.
440	03	5,0	-	2,50	4,15	4,25	3,20	1,49	4,1	2,5	7,4	0,06	2,2	0,08	11,15
445	04	6,0	-	2,80	4,10	4,20	4,00	1,85	5,0	2,9	7,4	0,08	3,0	0,15	11,15
450	05 B-1	8,0	-	3,00	4,77	4,90	5,00	2,31	7,1	3,1	8,6	0,11	5,5	0,18	11,15
453	-	9,525	3/8	3,30	5,45	5,58	6,00	2,78	9,0	3,1	9,6	0,15	8,2	0,26	11,15
454	-	9,525	3/8	3,94	6,70	6,83	6,35	3,28	9,0	3,3	11,6	0,22	9,4	0,36	11,12,15
455	06 B-1*	9,525	3/8	5,72	8,53	8,66	6,35	3,28	8,2	3,3	13,5	0,28	9,6	0,41	11,12,15
331	081	12,7	1/2	3,30	5,80	5,93	7,75	3,66	9,9	1,5	10,2	0,21	9,1	0,28	11,12,15
332	-	12,7	1/2	4,88	7,20	7,33	7,75	3,66	9,9	1,5	11,2	0,26	9,1	0,33	11,12,15
17	083	12,7	1/2	4,88	7,90	8,03	7,75	4,09	10,3	1,5	12,9	0,32	13,2	0,42	11,12,15
385	-	12,7	1/2	6,40	9,78	9,91	7,75	3,97	11,5	3,9	15,4	0,38	17,1	0,50	11,12,15
461	-	12,7	1/2	6,40	9,93	10,06	8,51	4,45	11,8	3,9	15,8	0,44	18,6	0,66	11,12,15
462EB	08 B-1**	12,7	1/2	7,75	11,30	11,43	8,51	4,45	11,8	3,9	17,0	0,50	18,6	0,70	11,12,15
500	-	15,875	5/8	6,48	10,08	10,21	10,16	5,08	14,7	4,1	16,4	0,51	27,5	0,78	11,12,15
501EB	10 B-1**	15,875	5/8	9,65	13,28	13,41	10,16	5,08	14,7	4,1	19,6	0,67	27,0	0,91	11,12,15
513EB	12 B-1**	19,05	3/4	11,68	15,62	15,75	12,07	5,72	16,1	4,6	22,7	0,89	31,0	1,18	11,12,15
548EB	16 B-1**	25,4	1	17,02	25,40	25,60	15,88	8,28	21,0	5,4	36,1	2,10	72,0	2,68	11,111,12
552	-	30,0	-	17,02	25,40	25,60	15,88	8,28	21,0	5,4	36,1	2,10	72,0	2,50	11,111,12
563	20 B-1	31,75	1 1/4	19,56	29,00	29,20	19,05	10,19	26,4	6,1	43,2	2,96	105,0	3,50	11,111,12
596	24 B-1	38,1	1 1/2	25,40	37,90	38,20	25,40	14,63	33,4	6,6	53,4	5,54	180,0	6,80	111,12
613	28 B-1	44,45	1 3/4	30,99	46,50	46,80	27,94	15,90	37,0	7,4	65,1	7,39	230,0	8,50	111,12
652	32 B-1	50,8	2	30,99	45,50	45,80	29,21	17,81	42,2	7,9	67,4	8,10	276,0	10,50	111,12
671	40 B-1	63,5	2 1/2	38,10	55,70	56,00	39,37	22,89	52,9	10,0	82,6	12,75	405,0	16,40	111,12
679	48 B-1	76,2	3	45,72	70,50	71,00	48,26	29,24	63,8	10,0	99,1	20,61	630,0	25,00	111

* With straight side plates. ** Wipperman Copperhead Easy Break Chain as standard.

Connecting links



No. 4 (B)
Inner link



No. 7 (A)
Outer link
(to be riveted)



No. 11 (E)
Spring clip
connecting link



No. 111 (S)
Connecting link
with cottered pin



No. 12 (L)
Single cranked link

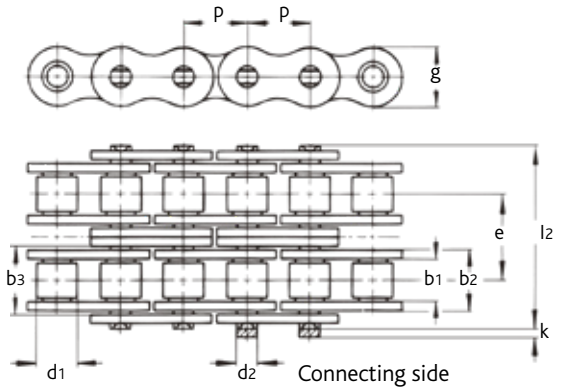


No. 15 (C)
Double cranked link

Duplex to ISO 606-1982

WIPPERMANN

British Standard



DUPLEX TO ISO 606-1982

- Electrogalvanised or Nickel-plated chains on request. In this case chains may only have 80% of the tensile strength.



Chain		Pitch		Inner width	Inner link width	Outer plate width	Roller Ø	Pin Ø	Trans-verse pitch	Plate height	Projection over connecting link	Width over pin	Bearing area	Breaking load	Weight	Connecting links
	ISO	p		b_1	b_2	b_3	d_1	d_2	e	g	k	l_2	f	F_B	q	
				min.	max.	min.	max.	max.		max.	max.	max.		min.	≈	
No.	No.	mm	inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	cm^2	kN	kg/m	No.
D445	-	6,0	-	2,80	4,10	4,25	4,00	1,85	5,50	5,0	2,9	13,3	0,14	5,0	0,23	11,15
D450	05 B-2	8,0	-	3,00	4,77	4,90	5,00	2,31	5,64	7,1	3,1	14,3	0,22	8,2	0,36	11,15
D455	06 B-2*	9,525	3/8	5,72	8,53	8,66	6,35	3,28	10,24	8,2	3,3	23,8	0,56	17,4	0,86	11,12,15
D462EB	08 B-2**	12,7	1/2	7,75	11,30	11,43	8,51	4,45	13,92	11,8	3,9	31,0	1,01	37,0	1,36	11,12,15
D501EB	10 B-2**	15,875	5/8	9,65	13,28	13,41	10,16	5,08	16,59	14,7	4,1	36,2	1,34	54,0	1,82	11,12,15
D513EB	12 B-2**	19,05	3/4	11,68	15,62	15,75	12,07	5,72	19,46	16,1	4,6	42,2	1,79	63,0	2,38	11,12,15
D548EB	16 B-2**	25,4	1	17,02	25,40	25,60	15,88	8,28	31,88	21,0	5,4	68,0	4,21	140,0	5,30	11,111,12
D563	20 B-2	31,75	1 1/4	19,56	29,00	29,20	19,05	10,19	36,45	26,4	6,1	79,0	5,91	210,0	7,30	11,111,12
D596	24 B-2	38,1	1 1/2	25,40	37,90	38,20	25,40	14,63	48,36	33,4	6,6	101,0	11,09	360,0	13,40	111,12
D613	28 B-2	44,45	1 3/4	30,99	46,50	46,80	27,94	15,90	59,56	37,0	7,4	124,0	14,79	443,0	16,60	111,12
D652	32 B-2	50,8	2	30,99	45,50	45,80	29,21	17,81	58,55	42,2	7,9	126,0	16,21	530,0	21,00	111,12
D671	40 B-2	63,5	2 1/2	38,10	55,70	56,00	39,37	22,89	72,29	52,9	10,0	154,0	25,50	806,0	32,60	111,12
D679	48 B-2	76,2	3	45,72	70,50	71,00	48,26	29,24	91,21	63,8	10,0	190,0	41,23	1100,0	50,00	111

* With straight side plates. ** Wipperman Copperhead Easy Break Chain as standard.

Connecting links



No. 4 (B)
Inner link



No. 7 (A)
Outer link
(to be riveted)



No. 11 (E)
Spring clip
connecting link



No. 111 (S)
Connecting link
with cottered pin



No. 12 (L)
Single cranked link

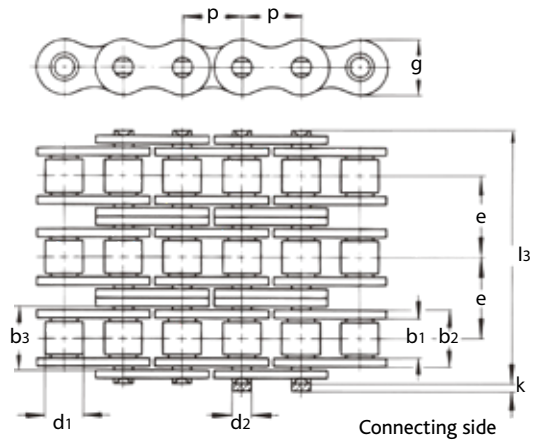


No. 15 (C)
Double cranked link

Triplex to ISO 606-1982

WIPPERMANN

British Standard



TRIPLEX TO ISO 606-1982

- Electrogalvanised or Nickel-plated chains on request. In this case chains may only have 80% of the tensile strength.



Chain		Pitch		Inner width	Inner link width	Outer plate width	Roller Ø	Pin Ø	Trans-verse pitch	Plate height	Projection over connecting link	Width over pin	Bearing area	Breaking load	Weight	Connecting links
	ISO	p		b1	b2	b3	d1	d2	e	g	k	l3	f	FB	q	
				min.	max.	min.	max.	max.		max.	max.	max.		min.	≈	
No.	No.	mm	inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	cm2	kN	kg/m	No.
T450	05 B-3	8,0	-	3,00	4,77	4,90	5,00	2,31	5,64	7,1	3,1	19,9	0,33	11,1	0,54	11,15
T455	06 B-3*	9,525	3/8	5,72	8,53	8,66	6,35	3,28	10,24	8,2	3,3	34,0	0,81	24,9	1,18	11,12,15
T462EB	08 B-3**	12,7	1/2	7,75	11,30	11,43	8,51	4,45	13,92	11,8	3,9	44,9	1,51	56,0	2,01	11,12,15
T501EB	10 B-3**	15,875	5/8	9,65	13,28	13,41	10,16	5,08	16,59	14,7	4,1	52,8	2,02	80,0	2,70	11,12,15
T513EB	12 B-3**	19,05	3/4	11,68	15,62	15,75	12,07	5,72	19,46	16,1	4,6	61,7	2,68	94,0	3,12	11,12,15
T548EB	16 B-3**	25,4	1	17,02	25,40	25,60	15,88	8,28	31,88	21,0	5,4	99,9	6,31	211,0	7,50	11,111,12
T563	20 B-3	31,75	1 1/4	19,56	29,00	29,20	19,05	10,19	36,45	26,4	6,1	116,0	8,87	300,0	10,60	11,111,12
T596	24 B-3	38,1	1 1/2	25,40	37,90	38,20	25,40	14,63	48,36	33,4	6,6	150,0	16,63	523,0	20,00	111,12
T613	28 B-3	44,45	1 3/4	30,99	46,50	46,80	27,94	15,90	59,56	37,0	7,4	184,0	22,18	660,0	25,00	111,12
T652	32 B-3	50,8	2	30,99	45,50	45,80	29,21	17,81	58,55	42,2	7,9	184,0	24,31	800,0	32,00	111,12
T671	40 B-3	63,5	2 1/2	38,10	55,70	56,00	39,37	22,89	72,29	52,9	10,0	227,0	38,25	1140,0	48,70	111,12
T679	48 B-3	76,2	3	45,72	70,50	71,00	48,26	29,24	91,21	63,8	10,0	281,0	61,84	1720,0	75,00	111

* With straight side plates. ** Wipperman Copperhead Easy Break Chain as standard.

Connecting links



No. 4 (B)
Inner link



No. 7 (A)
Outer link
(to be riveted)



No. 11 (E)
Spring clip
connecting link



No. 111 (S)
Connecting link
with cottered pin



No. 12 (L)
Single cranked link

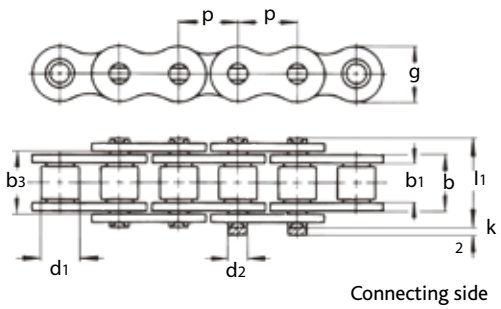


No. 15 (C)
Double cranked link

Stainless Steel Simplex

WIPPERMANN

British and American Standard



Connecting side



STAINLESS STEEL SIMPLEX CHAIN

Chain		Pitch	Inner width	Inner link width	Outer plate width	Roller Ø	Pin Ø	Plate height	Projection over connecting link	Width over pin	Bearing area	Breaking load	Weight	Connecting links
		p	b1	b2	b3	d1	d2	g	k	l1	f	FB	q	
			min.	max.	min.	max.	max.	max.	max.	max.		min.	≈	
No.	Ind.	mm	mm	mm	mm	mm	mm	mm	mm	mm	cm2	kN	kg/m	No.
450 RF	10,11	8,0	3,00	4,77	4,90	5,00	2,31	7,1	3,1	8,6	0,11	4,0	0,18	4,7,11
331 RF	10,11	12,7	3,30	5,80	5,93	7,75	3,66	9,9	1,5	10,2	0,21	7,0	0,28	4,7,11,15
332 RF	10,11	12,7	4,88	7,20	7,33	7,75	3,66	9,9	1,5	11,2	0,28	7,0	0,33	4,7,11,15
462 RF	7	12,7	7,75	11,30	11,43	8,51	4,45	11,8	3,9	17,0	0,50	12,0	0,70	4,7,11,12,15
501 RF		15,875	9,65	13,28	13,41	10,16	5,08	14,7	4,1	19,6	0,67	14,5	0,91	4,7,11,12,15
513 RF		19,05	11,68	15,62	15,75	12,07	5,72	16,1	4,6	22,7	0,89	18,5	1,18	4,7,11,12,15
548 RF	11	25,4	17,02	25,40	25,60	15,88	8,28	21,0	5,4	36,1	2,10	40,0	2,50	4,7,111,12
35 RF	2,11	9,525	4,68	7,47	7,52	5,08	3,58	9,1	3,3	13,2	0,27	6,0	0,35	4,7,11
40 RF	10,11	12,7	7,85	11,15	11,28	7,95	3,96	12,0	3,9	17,8	0,44	10,5	0,61	4,7,11,12,15
60 RF	11	19,05	12,57	17,70	17,85	11,91	5,94	18,0	4,6	26,9	1,05	20,0	1,58	4,7,11,12
455 RFGL	10,11	9,525	5,72	8,53	8,66	6,35	3,28	8,2	3,3	13,5	0,28	7,0	0,41	4,7,11,12,15
455 RFKIGL	2,7	9,525	5,72	8,53	8,66	6,35	3,28	8,2	3,3	13,5	0,28	1,0	0,25	4,7,11
462 RFKI	2,7	12,7	7,75	11,30	11,43	8,51	4,45	11,5	3,9	17,0	0,50	12,0	0,44	4,7,11
462 RFGL	2	12,7	7,75	11,30	11,43	8,51	4,45	11,5	3,9	17,0	0,50	12,0	0,78	4,7,11,12,15
501 RFGL		15,875	9,65	13,28	13,41	10,16	5,08	14,2	4,1	19,6	0,67	14,5	1,03	4,7,11,12,15
513 RFGL		19,05	11,68	15,62	15,75	12,07	5,72	15,5	4,6	22,7	0,89	18,5	1,29	4,7,11,12,15
548 RFGL	11	25,4	17,02	25,40	25,60	15,88	8,28	24,0	5,4	36,1	2,10	40,0	3,29	4,7,111
548 RFGLS	11	25,4	17,02	25,40	25,60	15,88	8,28	21,0	5,4	36,1	2,10	40,0	2,90	4,7,111,12

[2] Without rollers (DIN 8154).
[10] Connecting link No. 12 only with attached riveted bolts.
[7] Inner links made entirely of plastic are available on request, maintenance-free chain.
[11] Sprockets on request.

Roller chains RF (Stainless Steel) - type series GL (straight plates), can also be supplied as multiplex roller chains.

NB: Some of the items on these pages may be non-stock. Please contact our Sales Department for confirmation.

Connecting links



No. 4 (B)
Inner link



No. 7 (A)
Outer link
(to be riveted)



No. 11 (E)
Spring clip
connecting link



No. 111 (S)
Connecting link
with cottered pin



No. 12 (L)
Single cranked link

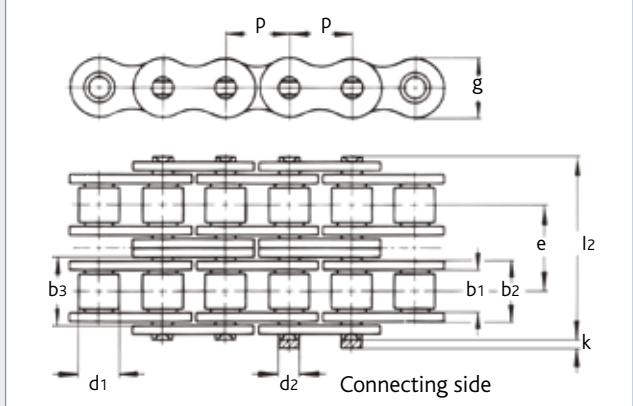


No. 15 (C)
Double cranked link

Stainless Steel Duplex

WIPPERMANN

British and American Standard



STAINLESS STEEL DUPLEX CHAIN



Chain	Pitch	Inner width	Inner link width	Outer plate width	Roller Ø	Pin Ø	Trans-verse pitch	Plate height	Projection over connecting link	Width over pin	Bearing area	Breaking load	Weight	Connecting links
	p	b_1	b_2	b_3	d_1	d_2	e	g	k	l_2	f	F_B	q	
		min.	max.	min.	max.	max.		max.	max.	max.		min.	≈	
No.	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	cm^2	kN	kg/m	No.
D450RF	8,0	3,00	4,77	4,90	5,00	2,31	5,64	7,1	3,1	14,3	0,22	6,00	0,36	4,7,11,15
D455RF	9,525*	5,72	8,53	8,66	6,35	3,28	10,24	8,2	3,3	23,8	0,56	11,90	0,78	4,7,11,15
D462RF	12,7	7,75	11,30	11,43	8,51	4,45	13,92	11,8	3,9	31,0	1,01	20,40	1,36	4,7,11,12,15
D501RF	15,875	9,65	13,28	13,41	10,16	5,08	16,59	14,7	4,1	36,2	1,34	24,65	1,82	4,7,11,12,15
D513RF	19,05	11,68	15,62	15,75	12,07	5,72	19,46	16,1	4,6	42,2	1,79	31,45	2,38	4,7,11,12,15
D548RF	25,4	17,02	25,40	25,60	15,88	8,28	31,88	21,0	5,4	68,0	4,21	68,00	5,10	4,7,111,12
35-2RF	9,525	4,68	7,47	7,52	5,08	3,58	10,13	9,0	3,3	23,4	0,53	12,00	0,70	11,12,15
40-2RF	12,7	7,85	11,15	11,28	7,95	3,96	14,38	12,0	3,9	32,3	0,88	17,85	1,20	11,12,15
60-2RF	19,05	12,57	17,70	17,85	11,91	5,94	22,78	18,0	4,6	49,8	2,10	34,00	3,14	4,7,11,12

* With straight side plates.

Connecting links



No. 4 (B)
Inner link



No. 7 (A)
Outer link
(to be riveted)



No. 11 (E)
Spring clip
connecting link



No. 111 (S)
Connecting link
with cottered pin



No. 12 (L)
Single cranked link

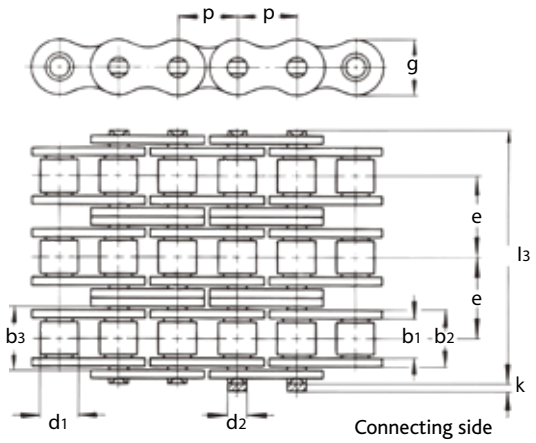


No. 15 (C)
Double cranked link

Stainless Steel Triplex

WIPPERMANN

British Standard





STAINLESS STEEL TRIPLEX CHAIN

Chain	Pitch		Inner width	Inner link width	Outer plate width	Roller Ø	Pin Ø	Trans-verse pitch	Plate height	Projection over connecting link	Width over pin	Bearing area	Breaking load	Weight	Connecting links
	p		b_1	b_2	b_3	d_1	d_2	e	g	k	l_3	f	F_B	q	
			min.	max.	min.	max.	max.		max.	max.	max.		min.	≈	
No.	mm	inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	cm^2	kN	kg/m	No.
T 455 RF	9,525*	3/8	5,72	8,53	8,66	6,35	3,28	10,24	8,2	3,3	34,0	0,81	18,9	1,18	11,12,15
T 462 RF	12,7	1/2	7,75	11,30	11,43	8,51	4,45	13,92	11,8	3,9	44,9	1,51	32,5	2,01	11,12,15
T 501 RF	15,875	5/8	9,65	13,28	13,41	10,16	5,08	16,59	14,7	4,1	52,8	2,02	39,0	2,70	11,12,15
T 513 RF	19,05	3/4	11,68	15,62	15,75	12,07	5,72	19,46	16,1	4,6	61,7	2,68	49,5	3,12	11,12,15
T 548 RF	25,4	1	17,02	25,40	25,60	15,88	8,28	31,88	21,0	5,4	99,9	6,31	108,0	7,50	11,111,12

* With straight side plates.

NB: Some of the items on these pages may be non-stock. Please contact our Sales Department for confirmation.

Connecting links



No. 11 (E)
Spring clip
connecting link



No. 111 (S)
Connecting link
with cottered pin



No. 12 (L)
Single cranked link

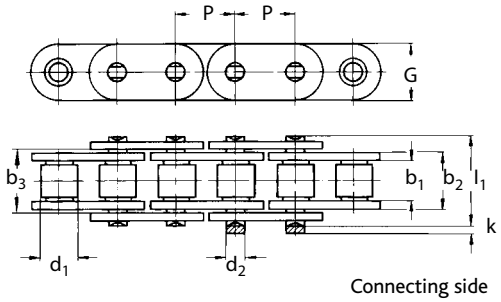


No. 15 (C)
Double cranked link

Simplex Chain GL Straight Sided

WIPPERMANN

British and American Standard



SIMPLEX

- Electrogalvanised or Nickel-plated chains on request. In this case chains may only have 80% of the tensile strength.



Chain	Pitch		Inner width	Inner link width	Outer plate width	Roller Ø	Pin Ø	Plate height	Transverse pitch	Projection over connecting link	Width over pin	Bearing area	Breaking load	Weight	Connecting links
	p		b1	b2	b3	d1	d2	g	e	k	l1	f	FB	q	
			min.	max.	min.	max.	max.	max.		max.	max.		min.	≈	
No.	mm	inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	cm²	kN	kg/m	No.
455GL	9,525	3/8	5,72	8,53	8,66	6,35	3,28	8,2	-	3,3	13,5	0,28	9,6	0,41	4,7,11,12,15
462GL	12,7	1/2	7,75	11,30	11,43	8,51	4,45	11,5	-	3,9	17,0	0,50	18,6	0,78	4,7,11,12
501GL	15,875	5/8	9,65	13,28	13,41	10,16	5,08	14,2		4,1	19,6	0,67	27,0	1,03	4,7,11
513GL	19,05	3/4	11,68	15,62	15,75	12,07	5,72	15,5		4,6	22,7	0,89	31,0	1,29	4,7,11,12
60GL	19,05	3/4	12,57	17,70	17,85	11,91	5,94	18,0		4,6	26,9	1,05	41,0	1,58	4,7,11
60HGL	19,05	3/4	12,57	19,45	19,60	11,91	5,94	18,0		4,6	28,9	1,16	41,0	1,94	4,7,11
548GL	25,40	1	17,02	25,40	25,60	15,88	8,28	24,0		5,4	36,1	2,10	72,0	3,29	4,7,11
548GLS	25,40	1	17,02	25,40	25,60	15,88	8,28	21,0		5,4	36,1	2,10	72,0	2,90	4,7,11,12
563GL	31,750	1 1/4	19,56	29,00	29,20	19,05	10,19	26,4		6,1	43,2	2,95	105,0	4,13	4,7,11,12
596GL	38,100	1 1/2	25,40	37,90	38,20	25,4	14,63	33,4		6,6	53,4	5,54	180,0	7,34	4,7,111,12

Connecting links
(Images for illustrative purposes only)



No. 4 (B)
Inner link



No. 7 (A)
Outer link
(to be riveted)



No. 11 (E)
Spring clip
connecting link



No. 111 (S)
Connecting link
with cottered pin



No. 12 (L)
Single cranked link

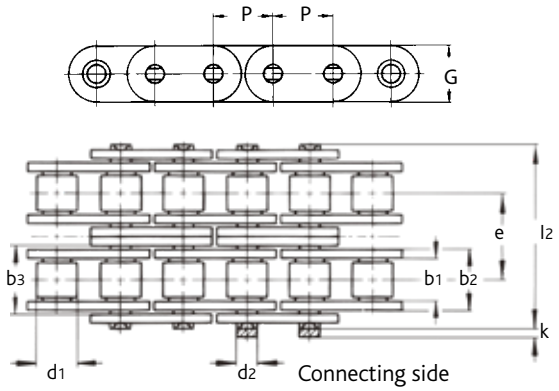


No. 15 (C)
Double cranked link

Duplex Chain GL Straight Sided

WIPPERMANN

British Standard



DUPLEX

- Electrogalvanised or Nickel-plated chains on request. In this case chains may only have 80% of the tensile strength.

Chain	Pitch		Inner width	Inner link width	Outer plate width	Roller Ø	Pin Ø	Trans-verse pitch	Plate height	Projection over connecting link	Width over pin	Bearing area	Breaking load	Weight	Connecting links
	p		b_1	b_2	b_3	d_1	d_2	e	g	k	l_2	f	F_B	q	
			min.	max.	min.	max.	max.		max.	max.	max.		min.	≈	
No.	mm	inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	cm^2	kN	kg/m	No.
D455GL	9,525	3/8	5,72	8,53	8,66	6,35	3,28	10,25	8,2	3,3	23,8	0,56	17,4	0,86	4,7,11,12,15
D462GL	12,7	1/2	7,75	11,30	11,43	8,51	4,45	13,92	11,5	3,9	31,0	1,01	37,0	1,50	4,7,11,12
D501GL	15,875	5/8	9,65	13,28	13,41	10,16	5,08	16,59	14,2	4,1	36,2	1,34	54,0	2,00	4,7,11
D513GL	19,05	3/4	11,68	15,62	15,75	12,07	5,72	19,46	15,5	4,6	42,2	1,79	63,0	2,62	4,7,11,12
D60GL	19,05	3/4	12,57	17,70	17,85	11,91	5,94	22,78	18,0	4,6	49,8	2,10	76,0	3,08	4,7,11
D548GL	25,4	1	17,02	25,40	25,60	15,88	8,28	31,88	24,0	5,4	68,0	4,21	140,0	6,59	4,7,11
D548GLS	25,4	1	17,02	25,40	25,60	15,88	8,28	31,88	21,0	5,4	68,0	4,21	140,0	5,85	4,7,11
D563GL	31,75	1 1/4	19,56	29,00	29,20	19,05	10,19	36,45	26,4	6,1	79,0	5,91	210,0	8.03	4,7,11,12
D596GL	38,100	1 1/2	25,40	37,92	38,20	25,4	14,63	48,36	33,4	6,6	101,0	11,09	360,0	14,47	4,7,111,12

Connecting links (Images for illustrative purposes only)



No. 4 (B)
Inner link



No. 7 (A)
Outer link
(to be riveted)



No. 11 (E)
Spring clip
connecting link



No. 111 (S)
Connecting link
with cottered pin



No. 12 (L)
Single cranked link



No. 15 (C)
Double cranked link



LOW MAINTENANCE & MAINTENANCE-FREE CHAINS

Wippermann modular maintenance-free high-performance chains are tailored to suit a wide range of applications.

For decades, Wippermann have been committed to continuously advancing the development of all kinds of drive components, focused on wear resistance, fatigue strength as well as corrosion and temperature resistance. By developing selected high-grade steels, environmentally-friendly and FDA-compliant functional coatings and innovative polymer bearings they have continuously pushed the technical and economic boundaries.

Today, a broad range of low-maintenance and maintenance-free industrial chains by Wippermann meet virtually all requirements placed upon drive systems. In addition to six high-performance models, you also have the option to individually customise any maintenance-free chains to your requirements.

Maintenance-free chains cover a wide range of applications. The interaction of the modular components leads to a unique performance profile for each chain model. The result: tailor-made drive solutions for the electrical, food, packaging and automotive industry where lubrication of the chains is not possible for technical or economic reasons.

Chain components with various properties can be configured to enable customised drive solutions, with optimum performance.

	Unprotected	Corrosion-protected	Corrosion-Free	
Maintenance-free	TRIATHLON	TRIATHLON KS	MARATHON RF	Lubricant-free
Maintenance-free	MARATHON			Lubricated
Low Maintenance	BIATHLON	BIATHLON KS	BIATHLON RF*	Lubricated
High Maintenance	STANDARD	STANDARD KS	STANDARD RF	Lubricated

KS - Corrosion protection

RF - Stainless materials

*Customised version on request

Maintenance-Free Roller Chains

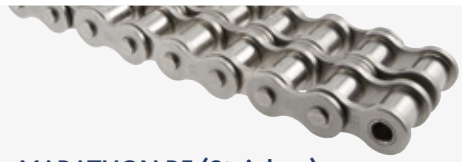
WIPPERMANN

MARATHON



MARATHON

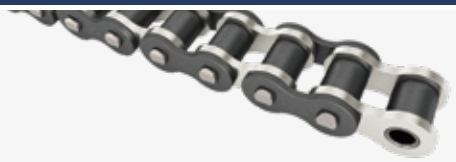
Our **MARATHON** chains are maintenance-free, reliable and durable. They are used in a number of different application areas.



MARATHON RF (Stainless)

Our **MARATHON RF (Stainless)** chains are maintenance-free, reliable and durable. They are used in a number of different application areas.

BIATHLON



BIATHLON

Our **BIATHLON** chains are characterized by remarkable wear protection and thus high cost effectiveness due to a special surface coating.



BIATHLON KS

Our **BIATHLON KS** roller chains offer special wear protection combined with excellent corrosion protection due to a special surface coating.

TRIATHLON



TRIATHLON HT

Our **TRIATHLON HT** high-performance chain withstands highest load without additional lubricants for use under temperatures of up to 200°C.



TRIATHLON KS

Our maintenance-free **TRIATHLON KS** high-performance chains set new standards in terms of loading capacity, corrosion resistance, durability and wear resistance. The chain is RoHS-compliant, and therefore suited for the food industry.

TRIGLEIT Polymer Plain Bearings

With three different materials, TRIGLEIT offers the optimum bearing for every application.



Properties	II	Z	FDA
Cost efficiency	•••	••	•
Wear	•••	••	••
Friction	•••	••	•
High Temperatures	•	•••	••
FDA approval, direct food contact	—	—	•••
Chemicals	•	••	•••
Steam*	—	—	•••
Water Contact	•••	•••	•••
Dry running operation	•••	•••	•••

••• very good •• good • limited – not possible

MARATHON Lube Free & Maintenance-Free Chains



WIPPERMANN

- High load-bearing joints
- High breaking loads to Wippermann standards*
- Electro-plated components for optimum corrosion protection
- Sealed bearing surfaces
- Also in Stainless Steel

*Higher than DIN

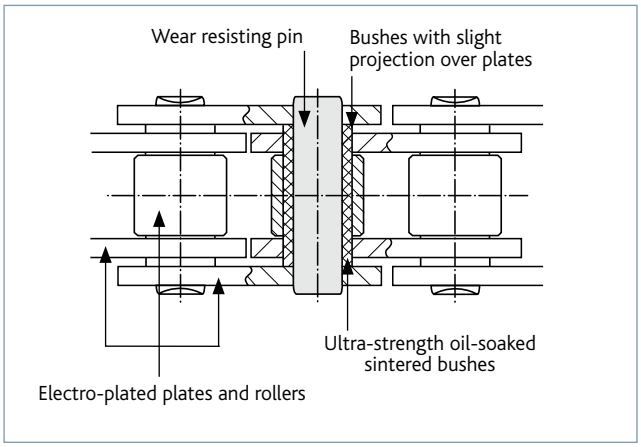
The long-distance chain that never needs to be lubricated.

Advantages of MARATHON chain

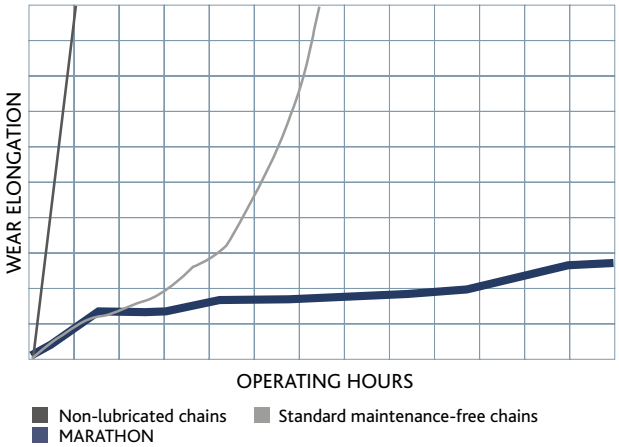
- Up to 35 x greater service life, compared with unlubricated standard roller chains
- Up to 5 x greater service life, compared with other maintenance-free chains
- No post installation lubrication required
- Clean applications, no soiling of machinery and transported goods
- Bushes consist of a new type of sintered metal of high compression strength treated with special lubricant
- Bushes are longer than the chain link width and have sliding contact with the outer plate. Foreign bodies are unable to penetrate the chain joint
- Pins made of a specially coated, hardened Steel alloy giving a low-wear and pore-free surface, guaranteeing excellent bearing performance
- The same breaking load as Wippermann standard chains
- All MARATHON chains fit standard sprockets

Application areas of MARATHON chains

- Temperature range from -0°C to +100°C. Up to 250°C with special lubricants (after consultation)
- Speeds up to 150 m per min.
- Electrical industry
- Food industry
- Electronics and printed circuit board production (PCBs)
- Television manufacturing
- Packaging industry
- Paper processing and bookbinding
- Printing industry
- Textile industry
- Automobile industry
- All systems where relubrication is either not wanted, problematic or not possible at all



Results of long-term wear tests

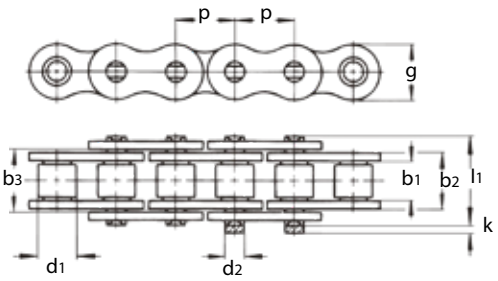


MARATHON Simplex Maintenance-Free Chain

WIPPERMANN



MARATHON



SIMPLEX



Chain	Pitch		Inner width	Inner link width	Outer plate width	Roller Ø	Pin Ø	Plate height	Projection over connecting link	Width over pin	Bearing area	Breaking load	Weight	Connecting links
	p		b_1	b_2	b_3	d_1	d_2	g	k	l_1	f	F_B	q	
			min.	max.	min.	max.	max.	max.	max.	max.		min.	≈	
No.	mm	inch	mm	mm	mm	mm	mm	mm	mm	mm	cm^2	kN	kg/m	No.
MA06 B-1	9,525*	3/8	5,72	8,53	8,66	6,35	3,28	8,2	3,3	13,5	0,28	9,6	0,41	11,12,15
MA08 B-1	12,7	1/2	7,75	11,30	11,43	8,51	4,45	11,8	3,9	17,0	0,50	18,6	0,70	11,12,15
MA08 A-1 **	12,700	1/2	7,85	11,15	11,28	7,95	3,96	12,0	3,9	17,8	0,44	16,5	0,60	11,12,15
MA10 B-1	15,875	5/8	9,65	13,28	13,41	10,16	5,08	14,7	4,1	19,6	0,67	27,0	0,91	11,12,15
MA10 A-1	15,875	5/8	9,40	13,80	13,93	10,16	5,08	15,0	4,1	21,8	0,70	30,0	1,01	11,12,15
MA12 B-1	19,05	3/4	11,68	15,62	15,75	12,07	5,72	16,1	4,6	22,7	0,89	31,0	1,18	11,12,15
MA12 A-1 **	19,050	3/4	12,57	17,70	17,85	11,91	5,94	18,0	4,6	26,9	1,05	40,0	1,58	11,111,12,15
MA16 B-1	25,4	1	17,02	25,40	25,60	15,88	8,28	21,0	5,4	36,1	2,10	72,0	2,68	11,111,12
MA16 A-1 **	25,400	1	15,75	22,50	22,70	15,88	7,92	24,1	5,4	33,5	1,78	69,0	2,36	11,111,12,15
MA552	30,0	-	17,02	25,40	-	15,88	8,28	21,0	5,4	36,1	2,10	72,0	2,50	11,111,12
MA20 B-1	31,75	1 1/4	19,56	29,00	29,20	19,05	10,19	26,4	6,1	43,2	2,96	105,0	3,50	111,12
MA20 A-1 **	31,750	1 1/4	18,90	27,40	27,60	19,05	9,53	30,1	6,1	41,1	2,61	92,5	3,80	111,12
MA24 B-1	38,1	1 1/2	25,40	37,90	38,20	25,40	14,63	33,4	6,6	53,4	5,54	180,0	6,80	111,12

* With straight side plates. Standard sprockets can be used for these chains (**Chains to ANSI standard – sprockets supplied on request)

NB: Some of the items on these pages may be non-stock. Please contact our Sales Department for confirmation.

Connecting links



No. 11 (E)
Spring clip
connecting link



No. 111 (S)
Connecting link
with cottered pin



No. 12 (L)
Single cranked link

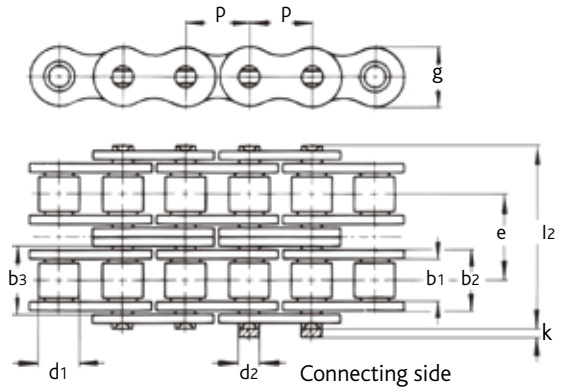


No. 15 (C)
Double cranked link

MARATHON Duplex Maintenance-Free Chain

WIPPERMANN

MARATHON



DUPLEX



Chain	Pitch		Inner width	Inner link width	Outer plate width	Roller Ø	Pin Ø	Trans-verse pitch	Plate height	Projection over connecting link	Width over pin	Bearing area	Breaking load	Weight	Connecting links
	p		b_1	b_2	b_3	d_1	d_2	e	g	k	l_2	f	F_B	q	
			min.	max.	min.	max.	max.		max.	max.	max.		min.	≈	
No.	mm	inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	cm^2	kN	kg/m	No.
MA06 B-2	9,525*	3/8	5,72	8,53	8,66	6,35	3,28	10,24	8,2	3,3	23,8	0,56	17,4	0,86	11,12,15
MA08 B-2	12,7	1/2	7,75	11,30	11,43	8,51	4,45	13,92	11,8	3,9	31,0	1,01	37,0	1,36	11,12,15
MA08 A-2 **	12,700	1/2	7,85	11,15	11,28	7,95	3,96	14,38	12,0	3,9	32,3	0,88	29,7	1,20	11,12,15
MA10 B-2	15,875	5/8	9,65	13,28	13,41	10,16	5,08	16,59	14,7	4,1	36,2	1,34	54,0	1,82	11,12,15
MA10 A-2 **	15,875	5/8	9,40	13,80	13,93	10,16	5,08	18,11	15,0	4,1	39,9	1,40	62,0	1,78	11,12,15
MA12 B-2	19,05	3/4	11,68	15,62	15,75	12,07	5,72	19,46	16,1	4,6	42,2	1,79	63,0	2,38	11,12,15
MA12 A-2 **	19,050	3/4	12,57	17,70	17,85	11,91	5,94	22,78	18,0	4,6	49,8	2,10	76,0	3,15	11,111,12,15
MA16 B-2	25,4	1	17,02	25,40	25,60	15,88	8,28	31,88	21,0	5,4	68,0	4,21	140,0	5,30	11,111,12
MA16 A-2 **	25,400	1	15,75	22,50	22,70	15,88	7,92	29,29	24,1	5,4	62,7	3,56	135,0	4,90	11,111,12,15
MA20 B-2	31,75	1 1/4	19,56	25,40	29,20	19,05	10,19	36,45	26,4	6,1	79,0	5,91	210,0	7,30	111, 12
MA20 A-2 **	31,750	1 1/4	18,90	27,40	27,60	19,05	9,53	35,76	30,1	6,1	77,0	5,22	205,0	7,60	111,12
MA24 B-2	38,1	1 1/2	25,40	37,90	38,20	25,40	14,63	48,36	33,4	6,6	101,0	11,09	360,0	13,40	111, 12

* With straight side plates. Standard sprockets can be used for these chains (**Chains to ANSI standard – sprockets supplied on request)

NB: Some of the items on these pages may be non-stock. Please contact our Sales Department for confirmation.

Connecting links



No. 11 (E)
Spring clip
connecting link



No. 111 (S)
Connecting link
with cottered pin



No. 12 (L)
Single cranked link



No. 15 (C)
Double cranked link

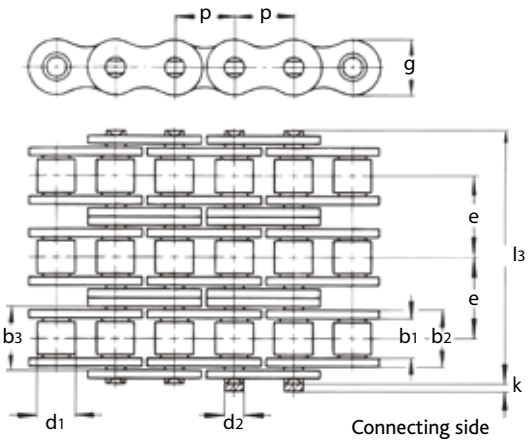
24hr Breakdown available
Customisable product
Product code builder
Compatible product

MARATHON Triplex Maintenance-Free Chain

WIPPERMANN



MARATHON



TRIPLEX



Chain	Pitch		Inner width	Inner link width	Outer plate width	Roller Ø	Pin Ø	Trans-verse pitch	Plate height	Projection over connecting link	Width over pin	Bearing area	Breaking load	Weight	Connecting links
	p		b_1	b_2	b_3	d_1	d_2	e	g	k	l_3	f	F_B	q	
			min.	max.	min.	max.	max.		max.	max.	max.		min.	≈	
No.	mm	inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	cm²	kN	kg/m	No.
MA06 B-3	9,525*	3/8	5,72	8,53	8,66	6,35	3,28	10,24	8,2	3,3	34,0	0,81	24,9	1,30	11,12,15
MA08 B-3	12,7	1/2	7,75	11,30	11,43	8,51	4,45	13,92	11,8	3,9	44,9	1,51	56,0	2,01	11,12,15
MA08 A-3 **	12,700	1/2	7,85	11,15	11,28	7,95	3,96	14,38	12,0	3,9	46,7	1,32	41,2	1,80	11,12,15
MA10 B-3	15,875	5/8	9,65	13,28	13,41	10,16	5,08	16,59	14,7	4,1	52,8	2,02	80,0	2,70	11,12,15
MA10 A-3 **	15,875	5/8	9,40	13,80	13,93	10,16	5,08	18,11	15,0	4,1	57,9	2,10	88,0	3,02	11,12,15
MA12 B-3	19,05	3/4	11,68	15,62	15,75	12,07	5,72	19,46	16,1	4,6	61,7	2,68	94,0	3,12	11,12,15
MA12 A-3 **	19,050	3/4	12,57	17,70	17,85	11,91	5,94	22,78	18,0	4,6	72,6	3,15	105,0	4,70	11,111,12,15
MA16 B-3	25,4	1	17,02	25,40	25,60	15,88	8,28	31,88	21,0	5,4	99,9	6,31	211,0	7,50	11,111,12
MA16 A-3 **	25,400	1	15,75	22,50	22,70	15,88	7,92	29,29	24,1	5,4	91,7	5,35	193,0	7,50	11,111,12,15
MA20 B-3	31,75	1 1/4	19,56	29,00	29,20	19,05	10,19	36,45	26,4	6,1	116,0	8,87	300,0	10,60	111,12
MA20 A-3 **	31,750	1 1/4	18,90	27,40	27,60	19,05	9,53	35,76	30,1	6,1	113,0	7,83	305,0	11,20	111,12
MA24 B-3	38,1	1 1/2	25,40	37,90	38,20	25,40	14,63	48,36	33,4	6,6	150,0	16,63	523,0	20,00	111,12

* With straight side plates. Standard sprockets can be used for these chains (except **Chains to ANSI standard – sprockets supplied on request)

NB: Some of the items on these pages may be non-stock. Please contact our Sales Department for confirmation.

Connecting links



No. 11 (E)
Spring clip
connecting link



No. 111 (S)
Connecting link
with cottered pin



No. 12 (L)
Single cranked link

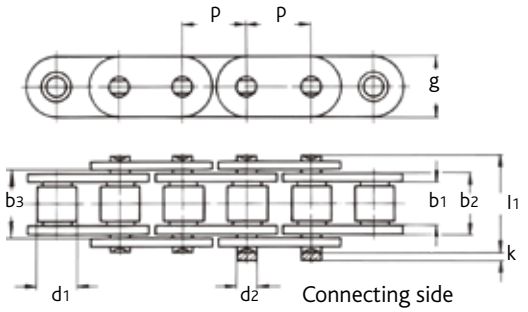


No. 15 (C)
Double cranked link

MARATHON Simplex Straight Side Plate Maintenance-Free Chain

WIPPERMANN

Straight Side Plate



SIMPLEX

- Can also be supplied with attachments
- Chains 16-B GLS (548 GLS MA) available with plate height g=21mm (max.) and as type series GL with g= 24mm (max.)
- Standard sprockets can be used for these chains



Chain	Pitch		Inner width	Inner link width	Outer plate width	Roller Ø	Pin Ø	Plate height	Projection over connecting link	Width over pin	Bearing area	Breaking load	Weight	Connecting links
	p		b_1	b_2	b_3	d_1	d_2	g	k	l_1	f	F_B	q	
			min.	max.	min.	max.	max.	max.	max.	max.		min.	≈	
No.	mm	inch	mm	mm	mm	mm	mm	mm	mm	mm	cm^2	kN	kg/m	No.
455 GL MA	9,525	3/8	5,72	8,53	8,66	6,35	3,28	8,2	3,3	13,5	0,28	9,6	0,41	4,7,11,12,15
462 GL MA	12,7	1/2	7,75	11,30	11,43	8,51	4,45	11,5	3,9	17,0	0,50	18,6	0,78	4,7,11,12
501 GL MA	15,875	5/8	9,65	13,28	13,41	10,16	5,08	14,2	4,1	19,6	0,67	27,0	1,03	4,7,11
513 GL MA	19,05	3/4	11,68	15,62	15,75	12,07	5,72	15,5	4,6	22,7	0,89	31,0	1,29	4,7,11,12
548 GL MA	25,4	1	17,02	25,40	25,60	15,88	8,28	24,0	5,4	36,1	2,10	72,0	3,29	4,7,11
548 GLS MA	25,4	1	17,02	25,40	25,60	15,88	8,28	21,0	5,4	36,1	2,10	72,0	2,90	4,7,11,12
563 GL MA	31,75	1 1/4	19,56	29,00	29,20	19,05	10,19	26,4	6,1	43,2	2,95	105,0	4,13	4,7,11,12
596 GL MA	38,1	1 1/2	25,40	37,90	38,20	25,40	14,63	33,4	6,6	53,4	5,54	180,0	7,34	4,7,111,12

NB: Some of the items on these pages may be non-stock. Please contact our Sales Department for confirmation.

Connecting links (Images for illustrative purposes only)



No. 4 (B)
Inner link



No. 7 (A)
Outer link
(to be riveted)



No. 11 (E)
Spring clip
connecting link



No. 111 (S)
Connecting link
with cottered pin



No. 12 (L)
Single cranked link

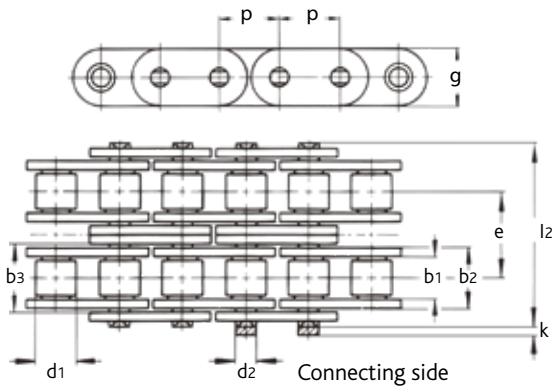


No. 15 (C)
Double cranked link

MARATHON Duplex Straight Side Plate Maintenance-Free Chain

WIPPERMANN

Straight Side Plate



DUPLEX

- Can also be supplied with attachments
- Standard sprockets can be used for these chains

Chain	Pitch		Inner width	Inner link width	Outer plate width	Roller Ø	Pin Ø	Trans-verse pitch	Plate height	Projection over connecting link	Width over pin	Bearing area	Breaking load	Weight	Connecting links
	p		b_1	b_2	b_3	d_1	d_2	e	g	k	l_2	f	F_B	q	
			min.	max.	min.	max.	max.		max.	max.	max.		min.	≈	
No.	mm	inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	cm²	kN	kg/m	No.
455 GL-2MA	9,525	3/8	5,72	8,53	8,66	6,35	3,28	10,24	8,2	3,3	23,8	0,56	17,4	0,86	4,7,11,12,15
462 GL-2MA	12,7	1/2	7,75	11,30	11,43	8,51	4,45	13,92	11,5	3,9	31,0	1,01	37,0	1,50	4,7,11,12
501 GL-2MA	15,875	5/8	9,65	13,28	13,41	10,16	5,08	16,59	14,2	4,1	36,2	1,34	54,0	2,00	4,7,11
513 GL-2MA	19,05	3/4	11,68	15,62	15,75	12,07	5,72	19,46	15,5	4,6	42,2	1,79	63,0	2,62	4,7,11,12
548 GL-2MA	25,4	1	17,02	25,40	25,60	15,88	8,28	31,88	24,0	5,4	68,0	4,21	140,0	5,83	4,7,11
563 GL-2MA	31,75	1 1/4	19,56	29,00	29,20	19,05	10,19	36,45	26,4	6,1	79,0	5,81	210,0	8,03	4,7,11,12
596 GL-2MA	38,1	1 1/2	25,40	37,92	38,20	25,40	14,63	48,36	33,4	6,6	101,0	11,09	360,0	14,47	4,7,111,12

NB: Some of the items on these pages may be non-stock. Please contact our Sales Department for confirmation.

Connecting links (Images for illustrative purposes only)


No. 4 (B)
Inner link


No. 7 (A)
Outer link
(to be riveted)


No. 11 (E)
Spring clip
connecting link


No. 111 (S)
Connecting link
with cottered pin

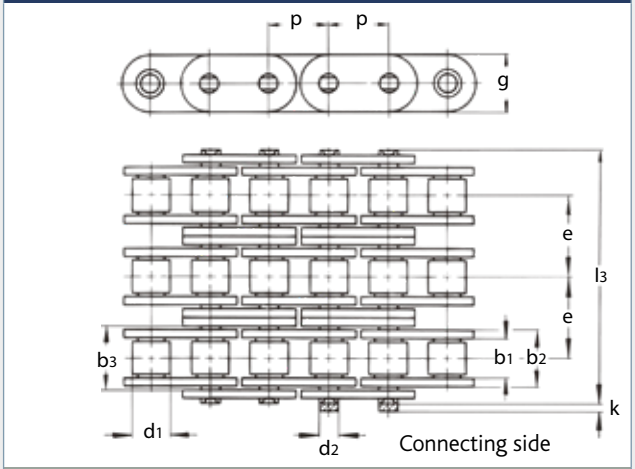

No. 12 (L)
Single cranked link


No. 15 (C)
Double cranked link

MARATHON Triplex Straight Side Plate Maintenance-Free Chain

WIPPERMANN

Straight Side Plate



TRIPLEX

- Can also be supplied with attachments
- Standard sprockets can be used for these chains

Chain	Pitch		Inner width	Inner link width	Outer plate width	Roller Ø	Pin Ø	Trans-verse pitch	Plate height	Projection over connecting link	Width over pin	Bearing area	Breaking load	Weight	Connecting links
	p		b1	b2	b3	d1	d2	e	g	k	l3	f	FB	q	
			min.	max.	min.	max.	max.		max.	max.	max.		min.	≈	
No.	mm	inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	cm²	kN	kg/m	No.
455 GL-3MA	9,525	3/8	5,72	8,53	8,66	6,35	3,28	10,24	8,2	3,3	34,0	0,81	24,9	1,30	4,7,11,12,15
462 GL-3MA	12,7	1/2	7,75	11,30	11,43	8,51	4,45	13,92	11,5	3,9	44,9	1,51	56,0	2,21	4,7,11,12
501 GL-3MA	15,875	5/8	9,65	13,28	13,41	10,16	5,08	16,59	14,2	4,1	52,8	2,02	80,0	2,97	4,7,11
513 GL-3MA	19,05	3/4	11,68	15,62	15,75	12,07	5,72	19,46	15,5	4,6	61,7	2,68	94,0	3,43	4,7,11,12
548 GL-3MA	25,4	1	17,02	25,40	25,60	15,88	8,28	31,88	24,0	5,4	99,9	6,31	211,0	8,25	4,7,11
563 GL-3MA	31,75	1 1/4	19,56	29,00	29,20	19,05	10,19	36,45	26,4	6,1	116,0	8,87	300,0	11,66	4,7,11,12
596 GL-3MA	38,1	1 1/2	25,40	37,90	38,20	25,40	14,63	48,36	33,4	6,6	150,0	16,63	523,0	22,00	4,7,111,12

NB: Some of the items on these pages may be non-stock. Please contact our Sales Department for confirmation.

Connecting links (Images for illustrative purposes only)


No. 4 (B)
Inner link


No. 7 (A)
Outer link
(to be riveted)


No. 11 (E)
Spring clip
connecting link


No. 111 (S)
Connecting link
with cottered pin

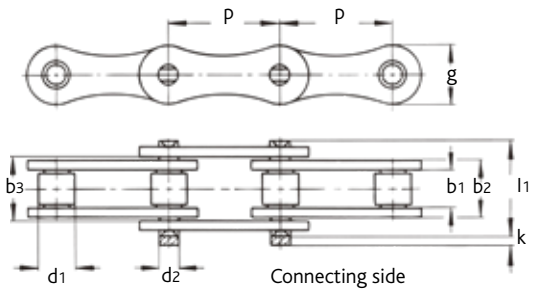

No. 12 (L)
Single cranked link


No. 15 (C)
Double cranked link

MARATHON Double Pitch Maintenance-Free Roller Chains

WIPPERMANN

Straight Side Plate



DOUBLE PITCH

- Sprockets for double pitch roller chains can be used for these chains.



Chain	Pitch		Inner width	Inner link width	Outer plate width	Roller Ø	Pin Ø	Plate height	Projection over connecting link	Width over pin	Bearing area	Breaking load	Weight
	p		b1	b2	b3	d1	d2	g	k	l1	f	FB	q
			min.	max.	min.	max.	max.	max.	max.	max.		min.	≈
No.	mm	inch	mm	mm	mm	mm	mm	mm	mm	mm	cm²	kN	kg/m
208 B MA	25,4	1	7,75	11,30	11,43	8,51	4,45	11,8	3,9	17,0	0,50	18,0	0,48
210 B MA	31,75	1 1/4	9,65	13,28	13,40	10,16	5,08	14,7	4,1	19,6	0,67	22,4	0,55
212 B MA	38,1	1 1/2	11,68	15,62	15,75	12,07	5,72	16,1	4,6	22,7	0,89	29,0	0,80
216 B MA	50,8	2	17,02	25,40	25,60	15,88	8,28	21,0	5,4	36,1	2,10	60,0	1,74
220 B MA	63,5	2 1/2	19,56	29,00	29,20	19,05	10,19	28,0	6,1	43,2	2,96	95,0	2,55

NB: Some of the items on these pages may be non-stock. Please contact our Sales Department for confirmation.

Connecting links



Nr. 4 (B)
Inner link



Nr. 7 (A)
Outer link (to be riveted)



Nr. 111 (S)
Connecting link with cottered pin



Nr. 208 (B)
for chain No. 713 with spring clip (E)

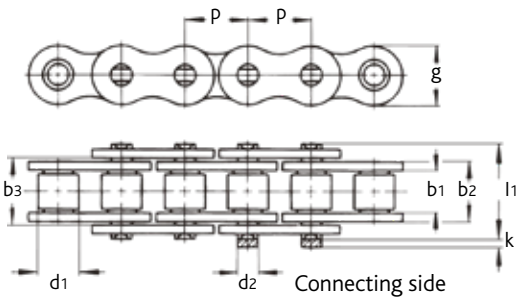


Nr. 12 (L)
Single cranked link

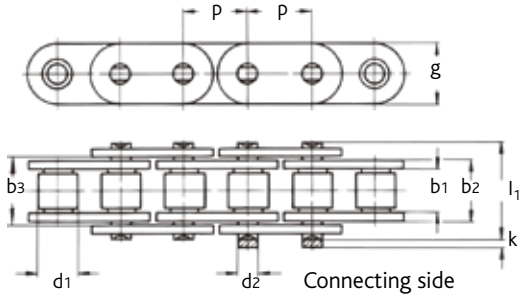
MARATHON RF Stainless Steel Maintenance Free Chain

WIPPERMANN

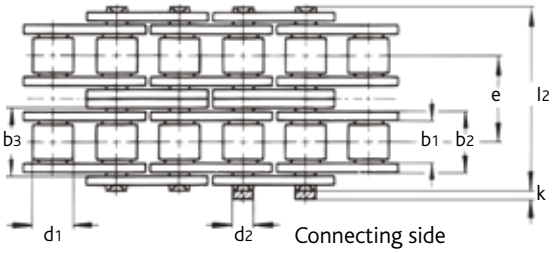
Stainless Steel



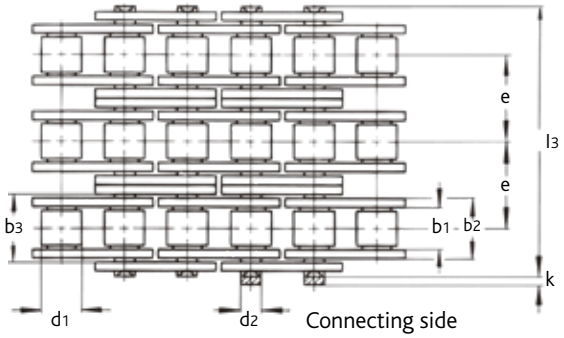
SIMPLEX



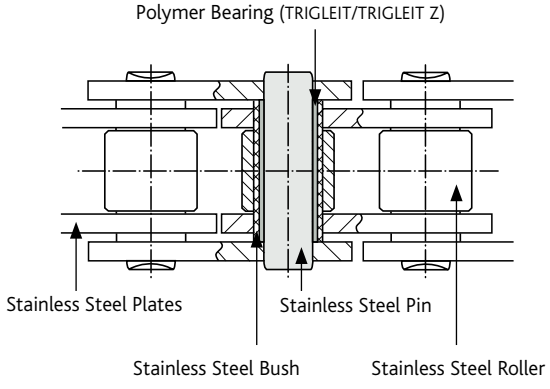
SIMPLEX (TYPE GL)



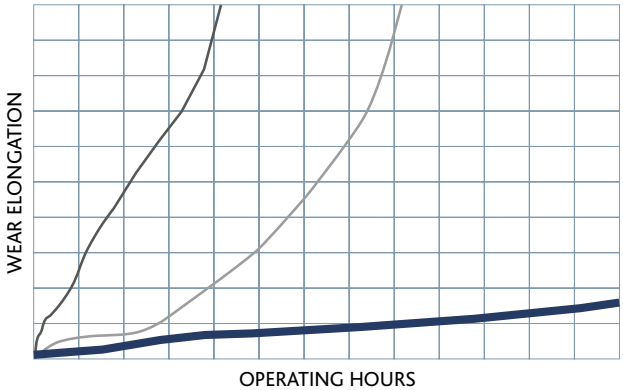
DUPLEX



TRIPLEX



Results of long-term wear tests



MARATHON RF Stainless Steel Maintenance Free Chain

WIPPERMANN

Features for Simplex, Duplex and Triplex include:

- Durable low friction bearings (TRIGLEIT)
- Speeds up to V= 2.5 m/sec
- Chain dimensions to DIN 8187, no re-lubrication required (lube-free chain)
- Attachment chains available
- Stainless Steel components
- Temperature range -30˚C to 60˚C (Higher possible)
- Compatible with Stainless Steel sprockets
- Re-lubrication with mineral oils possible
- Chemical resistance information on request

Simplex

Chain		Pitch		Inner width	Inner link width	Outer plate width	Roller Ø	Pin Ø	Trans-verse pitch	Plate height	Projection over connecting link	Width over pin	Bearing area	Breaking load	Weight	Connecting links
	ISO	p		b1	b2	b3	d1	d2	e	g	k	l	f	FB	q	
				min.	max.	min.	max.	max.		max.	max.	max.		min.	≈	
No.	No.	mm	inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	cm2	kN	kg/m	No.
462 RF MA	08 B-1	12,7	1/2	7,75	11,30	11,43	8,51	4,45	-	11,8	3,9	17,0	0,50	12,00	0,70	4,7,11,12,15
501 RF MA	10 B-1	15,875	5/8	9,65	13,28	13,41	10,16	5,08	-	14,7	4,1	19,6	0,67	14,50	0,91	4,7,11,12,15
513 RF MA	12 B-1	19,05	3/4	11,68	15,62	15,75	12,07	5,72	-	16,1	4,6	22,7	0,89	18,50	1,18	4,7,11,12,15
548 RF MA	16 B-1	25,4	1	17,02	25,40	25,60	15,88	8,28	-	21,0	5,4	36,1	2,10	40,00	2,50	4,7,111,12

Duplex

D 462 RF MA	08 B-2	12,7	1/2	7,75	11,30	11,43	8,51	4,45	13,92	11,8	3,9	31,0	1,01	20,40	1,36	4,7,11,12,15
D 501 RF MA	10 B-2	15,875	5/8	9,65	13,28	13,41	10,16	5,08	16,59	14,7	4,1	36,2	1,34	24,65	1,82	4,7,11,12,15
D 513 RF MA	12 B-2	19,05	3/4	11,68	15,62	15,75	12,07	5,72	19,46	16,1	4,6	42,2	1,79	31,45	2,38	4,7,11,12,15
D 548 RF MA	16 B-2	25,4	1	17,02	25,40	25,60	15,88	8,28	31,88	21,0	5,4	68,0	4,21	68,00	5,10	4,7,111,12

Triplex

T 462 RF MA	08 B-3	12,7	1/2	7,75	11,30	11,43	8,51	4,45	13,92	11,8	3,9	44,9	1,51	32,50	2,01	4,7,11,12,15
T 501 RF MA	10 B-3	15,875	5/8	9,65	13,28	13,41	10,16	5,08	16,59	14,7	4,1	52,8	2,02	39,00	2,70	4,7,11,12,15
T 513 RF MA	12 B-3	19,05	3/4	11,68	15,62	15,75	12,07	5,72	19,46	16,1	4,6	61,7	2,68	49,50	3,12	4,7,11,12,15
T 548 RF MA	16 B-3	25,4	1	17,02	25,40	25,60	15,88	8,28	31,88	21,0	5,4	99,9	6,31	108,00	7,50	4,7,111,12

Can also be supplied with attachments, straight plates (type series GL) and as double pitch roller chains (dimensions according to ISO 1275).
Chains 548 available as type series GLS with plate height g = 21 mm (max.) and as type series GL with g = 24 mm (max.). Sprockets on request.

NB: Some of the items on these pages may be non-stock. Please contact our Sales Department for confirmation.

Connecting links



No. 4 (B)
Inner link



No. 7 (A)
Outer link
(to be riveted)



No. 11 (E)
Spring clip
connecting link



No. 111 (S)
Connecting link
with cottered pin

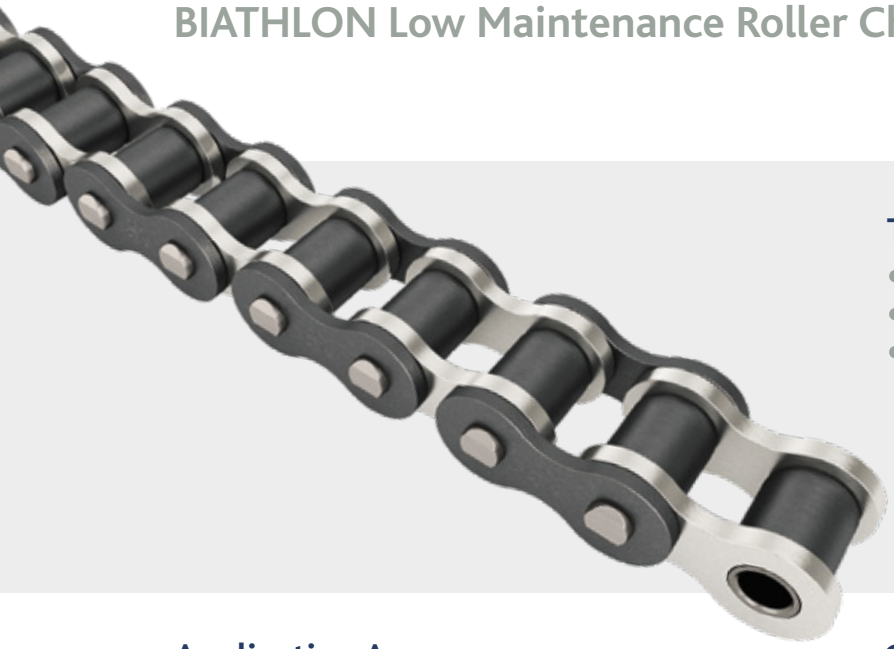


No. 12 (L)
Single cranked link



No. 15 (C)
Double cranked link

BIATHLON Low Maintenance Roller Chains



WIPPERMANN

Technical Features

- Coated chain pins
- Coated rollers
- Special long-term lubricants

Application Areas

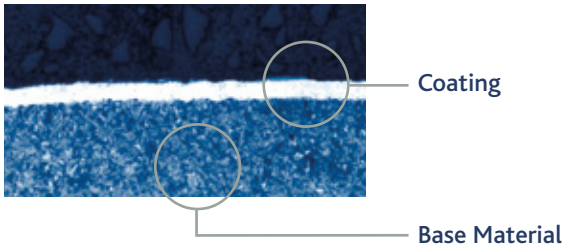
The high-performance chain BIATHLON shows its advantages wherever the use of standard roller chains is not economical due to difficult maintenance conditions. The special coating of chain pins and rollers allows for excellent dry-running operation characteristics and thus makes this chain particularly resistant against phases without sufficient relubrication. The extended wear life increases the availability of machines and equipment. The BIATHLON chain can also be supplied in a corrosion-protected design

Application Benefits

- Particularly efficient
- Dry-running operation characteristics in case of deficient lubrication
- Corrosion-protection on request

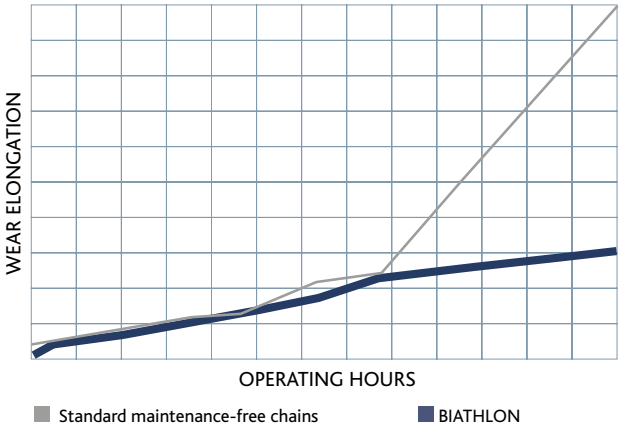
Coating

The special surface coating of the BIATHLON chain guarantees a high resistance against abrasive and adhesive wear even in case of poor lubrication. Thus fretting will be avoided to a large extent. Due to special finishing treatment procedures the surface has an optimal ductility despite its hardness. The coating process features a reproducible layer thickness as well as an extraordinary outline constancy and an even layer thickness on the chain components.





Wear Diagram

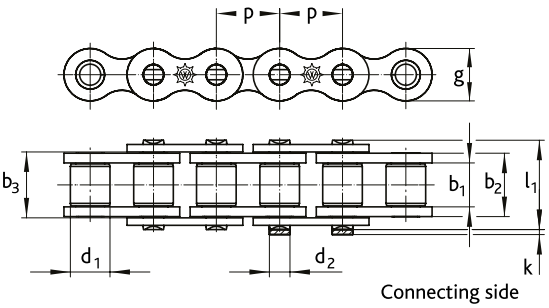


BIATHLON Simplex Low Maintenance Roller Chains

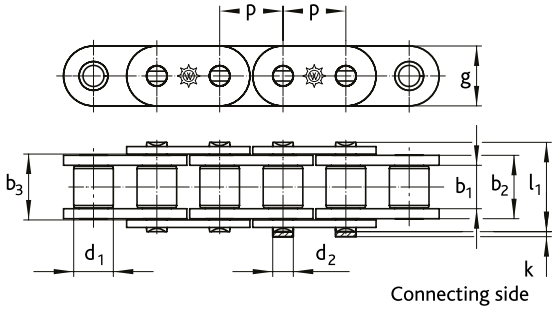
WIPPERMANN



BIATHLON



SIMPLEX



SIMPLEX (GL)

Chain	Pitch		Inner width	Inner link width	Outer plate width	Roller Ø	Pin Ø	Plate height	Projection over connecting link	Width over pin	Bearing area	Breaking load	Weight	Connecting links
	p		b_1	b_2	b_3	d_1	d_2	g	k	l_1	f	F_B	q	
			min.	max.	min.	max.	max.	max.	max.	max.		min.	≈	
No.	mm	inch	mm	mm	mm	mm	mm	mm	mm	mm	cm^2	kN	kg/m	No.
08 B-1 BI	12,700	1/2	7,75	11,30	11,43	8,51	4,45	11,8	3,9	17,0	0,50	18,6	0,70	11,12,15
10 B-1 BI	15,875	5/8	9,65	13,28	13,41	10,16	5,08	14,7	4,1	19,6	0,67	27,0	0,91	11,12,15
12 B-1 BI	19,050	3/4	11,68	15,62	15,75	12,07	5,72	16,1	4,6	22,7	0,89	31,0	1,18	11,12,15
16 B-1 BI	25,400	1	17,02	25,40	25,60	15,88	8,28	21,0	5,4	36,1	2,10	72,0	2,68	11,111,12
20 B-1 BI	31,750	1 1/4	19,56	29,00	29,20	19,05	10,19	26,4	6,1	43,2	2,96	105,0	3,50	111,12
24 B-1 BI	38,100	1 1/2	25,40	37,90	38,20	25,40	14,63	33,4	6,6	53,4	5,54	180,0	6,80	111,12

Can also be supplied with attachments and straight plates (type series GL).
Chains 16-B GLS available with plate height g = 21 mm (max.) and as type series GL with g = 24 mm (max.).
Standard sprockets can be used for these chains

NB: Some of the items on these pages may be non-stock. Please contact our Sales Department for confirmation.

Connecting links



No. 11 (E)
Spring clip
connecting link



No. 111 (S)
Connecting link
with cottered pin



No. 12 (L)
Single cranked link

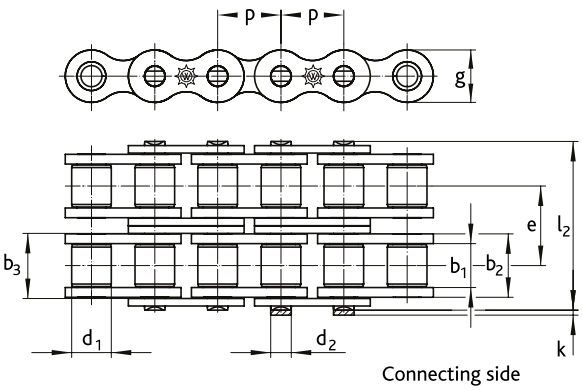


No. 15 (C)
Double cranked link

BIATHLON Duplex Low Maintenance Roller Chains

WIPPERMANN

BIATHLON



DUPLEX

Chain	Pitch		Inner width	Inner link width	Outer plate width	Roller Ø	Pin Ø	Trans-verse pitch	Plate height	Projection over connecting link	Width over pin	Bearing area	Breaking load	Weight	Connecting links
	p		b_1	b_2	b_3	d_1	d_2	e	g	k	l_2	f	F_B	q	
			min.	max.	min.	max.	max.		max.	max.	max.		min.	≈	
No.	mm	inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	cm^2	kN	kg/m	No.
08 B-2 BI	12,700	1/2	7,75	11,30	11,43	8,51	4,45	13,92	11,8	3,9	31,0	1,01	37,0	1,36	11,12,15
10 B-2 BI	15,875	5/8	9,65	13,28	13,41	10,16	5,08	16,59	14,7	4,1	36,2	1,34	54,0	1,82	11,12,15
12 B-2 BI	19,050	3/4	11,68	15,62	15,75	12,07	5,72	19,46	16,1	4,6	42,2	1,79	63,0	2,38	11,12,15
16 B-2 BI	25,400	1	17,02	25,40	25,60	15,88	8,28	31,88	21,0	5,4	68,0	4,21	140,0	5,30	11,111,12
20 B-2 BI	31,750	1 1/4	19,56	25,40	29,20	19,05	10,19	36,45	26,4	6,1	79,0	5,91	210,0	7,30	111,12
24 B-2 BI	38,100	1 1/2	25,40	37,90	38,20	25,40	14,63	48,36	33,4	6,6	101,0	11,09	360,0	13,40	111,12

Can also be supplied with attachments and straight plates (type series GL). Standard sprockets can be used for these chains

Chains 16-B GLS available with plate height g = 21 mm (max.) and as type series GL with g = 24 mm (max.).

NB: Some of the items on these pages may be non-stock. Please contact our Sales Department for confirmation.

Connecting links



No. 11 (E)
Spring clip
connecting link



No. 111 (S)
Connecting link
with cottered pin



No. 12 (L)
Single cranked link

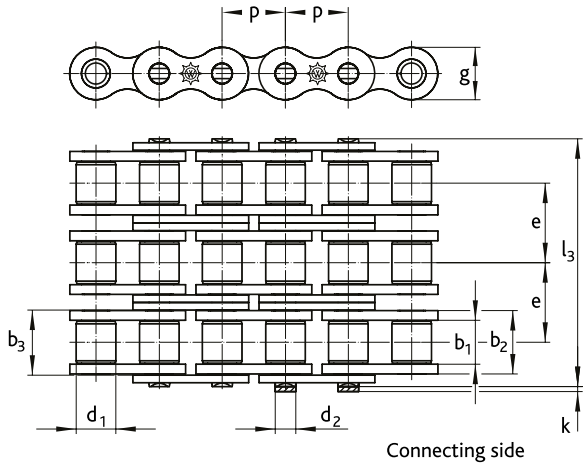


No. 15 (C)
Double cranked link

BIATHLON Triplex Low Maintenance Roller Chains

WIPPERMANN

BIATHLON



TRIPLEX

Chain	Pitch		Inner width	Inner link width	Outer plate width	Roller Ø	Pin Ø	Trans-verse pitch	Plate height	Projection over connecting link	Width over pin	Bearing area	Breaking load	Weight	Connecting links
	p		b_1	b_2	b_3	d_1	d_2	e	g	k	l_3	f	F_B	q	
			min.	max.	min.	max.	max.		max.	max.	max.		min.	≈	
No.	mm	inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	cm^2	kN	kg/m	No.
08 B-3 BI	12,700	1/2	7,75	11,30	11,43	8,51	4,45	13,92	11,8	3,9	44,9	1,51	56,0	2,01	11,12,15
10 B-3 BI	15,875	5/8	9,65	13,28	13,41	10,16	5,08	16,59	14,7	4,1	52,8	2,02	80,0	2,70	11,12,15
12 B-3 BI	19,050	3/4	11,68	15,62	15,75	12,07	5,72	19,46	16,1	4,6	61,7	2,68	94,0	3,12	11,12,15
16 B-3 BI	25,400	1	17,02	25,40	25,60	15,88	8,28	31,88	21,0	5,4	99,9	6,31	211,0	7,50	11,111,12
20 B-3 BI	31,750	1 1/4	19,56	29,00	29,20	19,05	10,19	36,45	26,4	6,1	116,0	8,87	300,0	10,60	111,12
24 B-3 BI	38,100	1 1/2	25,40	37,90	38,20	25,40	14,63	48,36	33,4	6,6	150,0	16,63	523,0	20,00	111,12

Can also be supplied with attachments and straight plates (type series GL). Standard sprockets can be used for these chains

Chains 16-B GLS available with plate height g = 21 mm (max.) and as type series GL with g = 24 mm (max.).

NB: Some of the items on these pages may be non-stock. Please contact our Sales Department for confirmation.

Connecting links



No. 11 (E)
Spring clip
connecting link



No. 111 (S)
Connecting link
with cottered pin

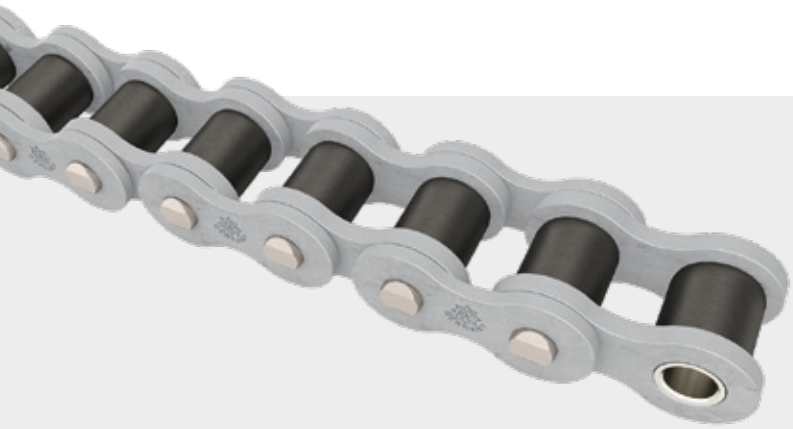


No. 12 (L)
Single cranked link



No. 15 (C)
Double cranked link

BIATHLON KS Roller Chains



WIPPERMANN

Technical Features

- Coated chain pins and bushings
- Coated rollers
- Coated plates
- Special long-term lubricants

Highest corrosion resistance in its class

Application Areas

In a number of industrial sectors, e.g. in the food processing or in the packing industry, humid ambient conditions frequently impede relubrication of the chains. The annoying consequence is considerable chain wear resulting in too short change intervals and thus in unnecessarily high maintenance costs. In this case the combination of low maintenance requirements and high corrosion resistance with carbon steel chains makes double sense.

Application Benefits

- Particularly efficient
- Dry-running operation characteristics in case of deficient lubrication
- High-tech corrosion protection
- RoHS compliance due to non-use of hexavalent chromium
- Temperatures from – 30 °C to +150 °C

Proven Quality

The KS type BIATHLON high performance chain has the highest corrosion resistance in its class. On the basis of the standard BIATHLON chain with its already excellent wear protection, environmentally-friendly corrosion protection material of the highest quality is additionally applied when manufacturing the KS type BIATHLON chain.

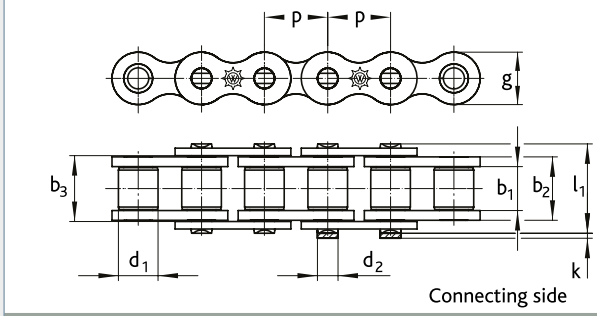
In salt spray tests the BIATHLON KS proved to be corrosion resistant for a period of more than 1000 hours. Under the same test conditions comparisons showed significant corrosion on competing chains after approx. 200 hours. This long-life cycle has been achieved by combining different surface technologies that do not interact negatively with each other.



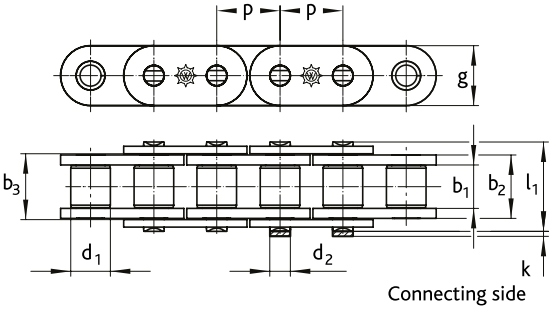
BIATHLON KS Simplex Roller Chains

WIPPERMANN

BIATHLON KS



SIMPLEX



SIMPLEX (GL)

Chain	Pitch		Inner width	Inner link width	Outer plate width	Roller Ø	Pin Ø	Plate height	Projection over connecting link	Width over pin	Bearing area	Breaking load	Weight	Connecting links
	p		b_1	b_2	b_3	d_1	d_2	g	k	l_1	f	F_B	q	
			min.	max.	min.	max.	max.	max.	max.	max.		min.	≈	
No.	mm	inch	mm	mm	mm	mm	mm	mm	mm	mm	cm^2	kN	kg/m	No.
08 B-1 BI KS	12,700	1/2	7,75	11,30	11,43	8,51	4,45	11,8	3,9	17,0	0,50	18,6	0,70	11,12,15
10 B-1 BI KS	15,875	5/8	9,65	13,28	13,41	10,16	5,08	14,7	4,1	19,6	0,67	27,0	0,91	11,12,15
12 B-1 BI KS	19,050	3/4	11,68	15,62	15,75	12,07	5,72	16,1	4,6	22,7	0,89	31,0	1,18	11,12,15
16 B-1 BI KS	25,400	1	17,02	25,40	25,60	15,88	8,28	21,0	5,4	36,1	2,10	72,0	2,68	11,111,12
20 B-1 BI KS	31,750	1 1/4	19,56	29,00	29,20	19,05	10,19	26,4	6,1	43,2	2,96	105,0	3,50	111,12
24 B-1 BI KS	38,100	1 1/2	25,40	37,90	38,20	25,40	14,63	33,4	6,6	53,4	5,54	180,0	6,80	111,12

Can also be supplied with attachments and straight plates (type series GL). Standard sprockets can be used for these chains

Chains 16-B GLS available with plate height g = 21 mm (max.) and as type series GL with g = 24 mm (max.).

NB: Some of the items on these pages may be non-stock. Please contact our Sales Department for confirmation.

Connecting links



No. 11 (E)
Spring clip
connecting link



No. 111 (S)
Connecting link
with cottered pin



No. 12 (L)
Single cranked link

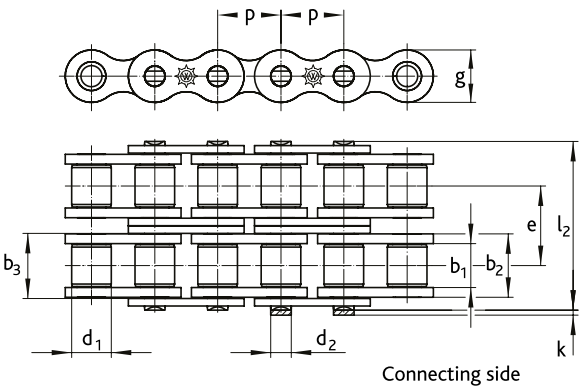


No. 15 (C)
Double cranked link

BIATHLON KS Duplex Roller Chains

WIPPERMANN

BIATHLON KS



DUPLEX

Chain	Pitch		Inner width	Inner link width	Outer plate width	Roller Ø	Pin Ø	Trans-verse pitch	Plate height	Projection over connecting link	Width over pin	Bearing area	Breaking load	Weight	Connecting links
	p		b_1	b_2	b_3	d_1	d_2	e	g	k	l_2	f	F_B	q	
			min.	max.	min.	max.	max.		max.	max.	max.		min.	≈	
No.	mm	inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	cm^2	kN	kg/m	No.
08 B-2 BI KS	12,700	1/2	7,75	11,30	11,43	8,51	4,45	13,92	11,8	3,9	31,0	1,01	37,0	1,36	11,12,15
10 B-2 BI KS	15,875	5/8	9,65	13,28	13,41	10,16	5,08	16,59	14,7	4,1	36,2	1,34	54,0	1,82	11,12,15
12 B-2 BI KS	19,050	3/4	11,68	15,62	15,75	12,07	5,72	19,46	16,1	4,6	42,2	1,79	63,0	2,38	11,12,15
16 B-2 BI KS	25,400	1	17,02	25,40	25,60	15,88	8,28	31,88	21,0	5,4	68,0	4,21	140,0	5,30	11,111,12
20 B-2 BI KS	31,750	1 1/4	19,56	25,40	29,20	19,05	10,19	36,45	26,4	6,1	79,0	5,91	210,0	7,30	111,12
24 B-2 BI KS	38,100	1 1/2	25,40	37,90	38,20	25,40	14,63	48,36	33,4	6,6	101,0	11,09	360,0	13,40	111,12

Can also be supplied with attachments and straight plates (type series GL). Standard sprockets can be used for these chains

Chains 16-B GLS available with plate height g = 21 mm (max.) and as type series GL with g = 24 mm (max.).

NB: Some of the items on these pages may be non-stock. Please contact our Sales Department for confirmation.

Connecting links



No. 11 (E)
Spring clip
connecting link



No. 111 (S)
Connecting link
with cottered pin



No. 12 (L)
Single cranked link



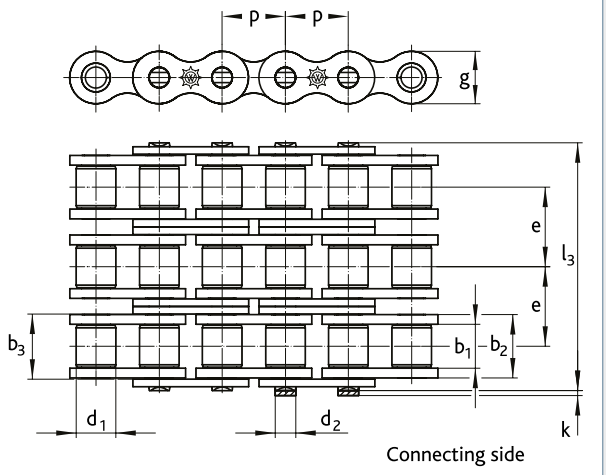
No. 15 (C)
Double cranked link

24hr Breakdown available
Customisable product
Product code builder
Compatible product

BIATHLON KS Triplex Roller Chains

WIPPERMANN

BIATHLON KS



TRIPLEX

Chain	Pitch		Inner width	Inner link width	Outer plate width	Roller Ø	Pin Ø	Trans-verse pitch	Plate height	Projection over connecting link	Width over pin	Bearing area	Breaking load	Weight	Connecting links
	p		b_1	b_2	b_3	d_1	d_2	e	g	k	l_3	f	F_B	q	
			min.	max.	min.	max.	max.		max.	max.	max.		min.	≈	
No.	mm	inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	cm^2	kN	kg/m	No.
08 B-3 BI KS	12,700	1/2	7,75	11,30	11,43	8,51	4,45	13,92	11,8	3,9	44,9	1,51	56,0	2,01	11,12,15
10 B-3 BI KS	15,875	5/8	9,65	13,28	13,41	10,16	5,08	16,59	14,7	4,1	52,8	2,02	80,0	2,70	11,12,15
12 B-3 BI KS	19,050	3/4	11,68	15,62	15,75	12,07	5,72	19,46	16,1	4,6	61,7	2,68	94,0	3,12	11,12,15
16 B-3 BI KS	25,400	1	17,02	25,40	25,60	15,88	8,28	31,88	21,0	5,4	99,9	6,31	211,0	7,50	11,111,12
20 B-3 BI KS	31,750	1 1/4	19,56	29,00	29,20	19,05	10,19	36,45	26,4	6,1	116,0	8,87	300,0	10,60	111,12
24 B-3 BI KS	38,100	1 1/2	25,40	37,90	38,20	25,40	14,63	48,36	33,4	6,6	150,0	16,63	523,0	20,00	111,12

Can also be supplied with attachments and straight plates (type series GL). Standard sprockets can be used for these chains

Chains 16-B GLS available with plate height g = 21 mm (max.) and as type series GL with g = 24 mm (max.).

NB: Some of the items on these pages may be non-stock. Please contact our Sales Department for confirmation.

Connecting links



No. 11 (E)
Spring clip
connecting link



No. 111 (S)
Connecting link
with cottered pin



No. 12 (L)
Single cranked link



No. 15 (C)
Double cranked link

TRIATHLON HT Maintenance-Free Roller Chains

WIPPERMANN



Technical Features

- Coated bushings with high-tech polymer inserts
- Coated pin chains
- Coated rollers

Maintenance-free and high load bearing up to 200 °C

The TRIATHLON HT high-performance chain has a high load capacity for temperatures up to 200°C, even without additional lubricants, and is extremely wear-resistant.

Whether with minimal surface lubrication to protect the sprockets or completely free of lubrication for highly sensitive applications, the TRIATHLON HT sets new standards with perfectly coordinated materials, coated pins, special coated rollers and also through its innovative high-tech polymer bushings in numerous application areas.

Designed for difficult applications

In many production processes, the combination of high temperatures and sensitive components present specific requirements for the chains.

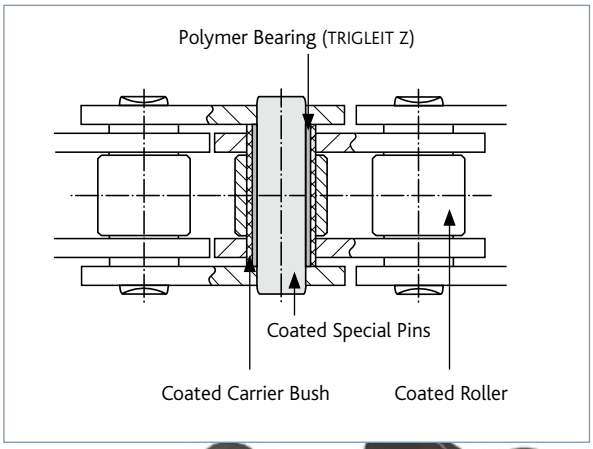
In the automotive industry, hoisting and conveyor chains thus reduce scrap in the coating process by avoiding unwanted paint wetting with lubricant residues, in contrast to conventionally lubricated chains. In the electrical industry, chains have to be completely dry without lubrication to avoid chemical reactions e.g. in casting resins.

Application Benefits

- Highly resilient, low friction chain joints
- No relubrication required
- Lubricant-free for chain speeds up to 2.5 m/s
- Temperatures from - 30 °C to +200 °C

Proven quality

The durability of the TRIATHLON HT is achieved through unique material combinations with special coated pins and polymer bearings. Many renowned companies have recognised the benefits of the TRIATHLON HT and are already demonstrating the success of our high-performance chains under high loads and temperatures, which require uncompromised durability and wear resistance.



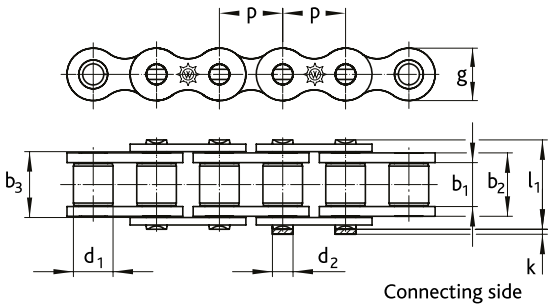


TRIATHLON HT Simplex Maintenance-Free Chain

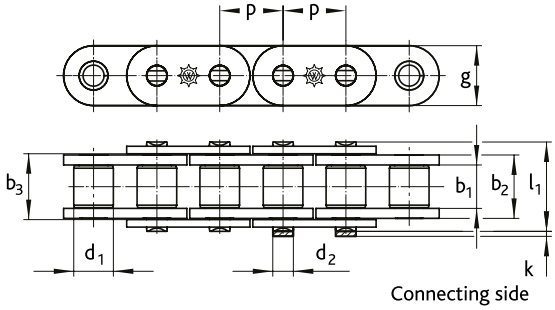
WIPPERMANN



TRIATHLON HT



SIMPLEX



SIMPLEX (GL)

Chain	Pitch		Inner width	Inner link width	Outer plate width	Roller Ø	Pin Ø	Plate height	Projection over connecting link	Width over pin	Bearing area	Breaking load	Weight	Connecting links
	p		b_1	b_2	b_3	d_1	d_2	g	k	l_1	f	F_B	q	
			min.	max.	min.	max.	max.	max.	max.	max.		min.	≈	
No.	mm	inch	mm	mm	mm	mm	mm	mm	mm	mm	cm²	kN	kg/m	No.
08 B-1 TR HT	12,700	1/2	7,75	11,30	11,43	8,51	4,45	11,8	3,9	17,0	0,50	18,6	0,70	11,12,15
10 B-1 TR HT	15,875	5/8	9,65	13,28	13,41	10,16	5,08	14,7	4,1	19,6	0,67	27,0	0,91	11,12,15
12 B-1 TR HT	19,050	3/4	11,68	15,62	15,75	12,07	5,72	16,1	4,6	22,7	0,89	31,0	1,18	11,12,15
16 B-1 TR HT	25,400	1	17,02	25,40	25,60	15,88	8,28	21,0	5,4	36,1	2,10	72,0	2,68	11,111,12
20 B-1 TR HT	31,750	1 1/4	19,56	29,00	29,20	19,05	10,19	26,4	6,1	43,2	2,96	105,0	3,50	111,12
24 B-1 TR HT	38,100	1 1/2	25,40	37,90	38,20	25,40	14,63	33,4	6,6	53,4	5,54	180,0	6,80	111,12

Can also be supplied with attachments and straight plates (type series GL). Standard sprockets can be used for these chains

Chains 16-B GLS available with plate height g = 21 mm (max.) and as type series GL with g = 24 mm (max.).

NB: Some of the items on these pages may be non-stock. Please contact our Sales Department for confirmation.

Connecting links



No. 11 (E)
Spring clip
connecting link



No. 111 (S)
Connecting link
with cottered pin



No. 12 (L)
Single cranked link

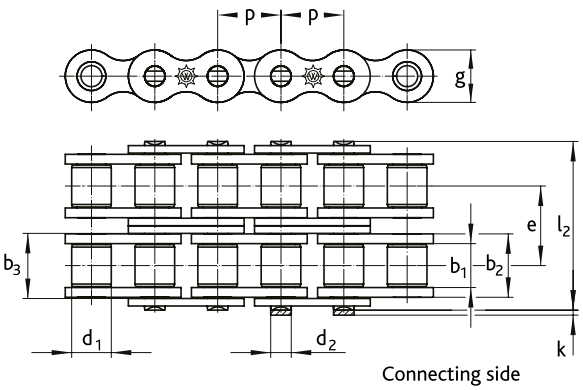


No. 15 (C)
Double cranked link

TRIATHLON HT Duplex Maintenance-Free Roller Chains

WIPPERMANN

TRIATHLON HT



DUPLEX

Chain	Pitch		Inner width	Inner link width	Outer plate width	Roller Ø	Pin Ø	Trans-verse pitch	Plate height	Projection over connecting link	Width over pin	Bearing area	Breaking load	Weight	Connecting links
	p		b_1	b_2	b_3	d_1	d_2	e	g	k	l_2	f	F_B	q	
			min.	max.	min.	max.	max.		max.	max.	max.		min.	≈	
No.	mm	inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	cm^2	kN	kg/m	No.
08 B-2 TR HT	12,700	1/2	7,75	11,30	11,43	8,51	4,45	13,92	11,8	3,9	31,0	1,01	37,0	1,36	11,12,15
10 B-2 TR HT	15,875	5/8	9,65	13,28	13,41	10,16	5,08	16,59	14,7	4,1	36,2	1,34	54,0	1,82	11,12,15
12 B-2 TR HT	19,050	3/4	11,68	15,62	15,75	12,07	5,72	19,46	16,1	4,6	42,2	1,79	63,0	2,38	11,12,15
16 B-2 TR HT	25,400	1	17,02	25,40	25,60	15,88	8,28	31,88	21,0	5,4	68,0	4,21	140,0	5,30	11,111,12
20 B-2 TR HT	31,750	1 1/4	19,56	25,40	29,20	19,05	10,19	36,45	26,4	6,1	79,0	5,91	210,0	7,30	111,12
24 B-2 TR HT	38,100	1 1/2	25,40	37,90	38,20	25,40	14,63	48,36	33,4	6,6	101,0	11,09	360,0	13,40	111,12

Can also be supplied with attachments and straight plates (type series GL). Standard sprockets can be used for these chains

Chains 16-B GLS available with plate height g = 21 mm (max.) and as type series GL with g = 24 mm (max.).

NB: Some of the items on these pages may be non-stock. Please contact our Sales Department for confirmation.

Connecting links



No. 11 (E)
Spring clip
connecting link



No. 111 (S)
Connecting link
with cottered pin



No. 12 (L)
Single cranked link

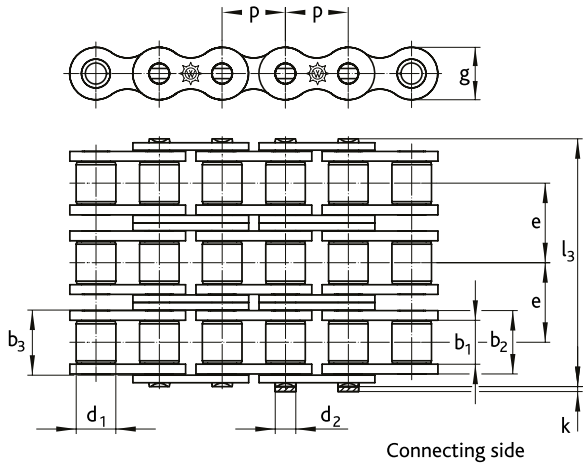


No. 15 (C)
Double cranked link

TRIATHLON HT Triplex Maintenance-Free Roller Chains

WIPPERMANN

TRIATHLON HT



TRIPLEX

Chain	Pitch		Inner width	Inner link width	Outer plate width	Roller Ø	Pin Ø	Trans-verse pitch	Plate height	Projection over connecting link	Width over pin	Bearing area	Breaking load	Weight	Connecting links
	p		b_1	b_2	b_3	d_1	d_2	e	g	k	l_3	f	F_B	q	
			min.	max.	min.	max.	max.		max.	max.	max.		min.	≈	
No.	mm	inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	cm^2	kN	kg/m	No.
08 B-3 TR HT	12,700	1/2	7,75	11,30	11,43	8,51	4,45	13,92	11,8	3,9	44,9	1,51	56,0	2,01	11,12,15
10 B-3 TR HT	15,875	5/8	9,65	13,28	13,41	10,16	5,08	16,59	14,7	4,1	52,8	2,02	80,0	2,70	11,12,15
12 B-3 TR HT	19,050	3/4	11,68	15,62	15,75	12,07	5,72	19,46	16,1	4,6	61,7	2,68	94,0	3,12	11,12,15
16 B-3 TR HT	25,400	1	17,02	25,40	25,60	15,88	8,28	31,88	21,0	5,4	99,9	6,31	211,0	7,50	11,111,12
20 B-3 TR HT	31,750	1 1/4	19,56	29,00	29,20	19,05	10,19	36,45	26,4	6,1	116,0	8,87	300,0	10,60	111,12
24 B-3 TR HT	38,100	1 1/2	25,40	37,90	38,20	25,40	14,63	48,36	33,4	6,6	150,0	16,63	523,0	20,00	111,12

Can also be supplied with attachments and straight plates (type series GL). Standard sprockets can be used for these chains

Chains 16-B GLS available with plate height g = 21 mm (max.) and as type series GL with g = 24 mm (max.).

NB: Some of the items on these pages may be non-stock. Please contact our Sales Department for confirmation.

Connecting links



No. 11 (E)
Spring clip
connecting link



No. 111 (S)
Connecting link
with cottered pin



No. 12 (L)
Single cranked link



No. 15 (C)
Double cranked link

TRIATHLON KS Maintenance-Free Roller Chains



Technical Features

- Coated bushes with TRIGLEIT FDA inserts
- Coated pins and plates
- Rollers made of corrosion resistant steel with maximum ductility

Corrosion resistant and lubrication-free for highly sensitive production processes

With TRIATHLON KS, we expand our leadership role for maintenance-free chains that do not require lubrication. Especially in sensitive production processes, e.g. in the food, cosmetics and packaging industry, it proves to be a real all-rounder due to its high load bearing carbon steels, environmentally friendly corrosion protection and our tried and proved TRIGLEIT FDA polymer bushings.

Application Areas

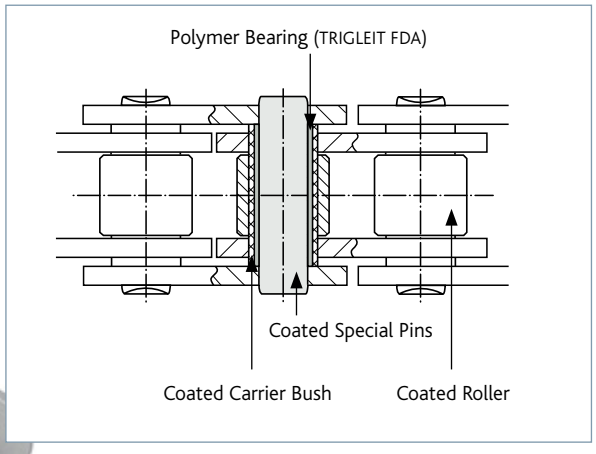
The TRIATHLON KS chain is ideally suited for application in large systems, intermittent operation and humid ambient conditions. Thanks to its high durability and wear resistance without the need for relubrication, its application is particularly economic in these areas.

Application Benefits

- High-tech corrosion protection
- RoHS compliance due to non-use of hexavalent chromium
- Highly resilient, low friction chain joints
- No relubrication required
- Lubricant-free for chain speeds up to 2.5 m/s
- Temperatures from -30°C to + 150°C (up to + 200°C on request)

Corrosion protection at its best

Just like BIATHLON KS, which has been providing excellent service in many years of practical use, the TRIATHLON KS features environmentally friendly corrosion protection which has proved to be highly resistant for a period of more than 1,000 hours in salt spray tests. Whether with minimal H1 surface lubrication to protect the sprockets or completely free of lubrication, the TRIATHLON KS sets new standards in terms of loading capacity, corrosion resistance, durability and wear resistance with perfectly coordinated materials, functional layers and innovative Trigleit FDA polymer bushings.



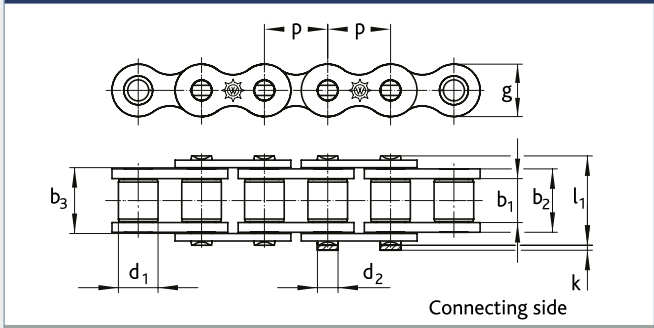


TRIATHLON KS Simplex Maintenance-Free Chain

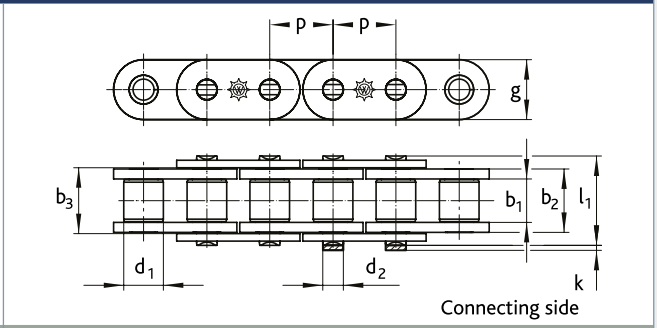
WIPPERMANN



TRIATHLON KS



SIMPLEX



SIMPLEX (GL)

Chain	Pitch		Inner width	Inner link width	Outer plate width	Roller Ø	Pin Ø	Plate height	Projection over connecting link	Width over pin	Bearing area	Breaking load	Weight	Connecting links
	p		b_1	b_2	b_3	d_1	d_2	g	k	l_1	f	F_B	q	
			min.	max.	min.	max.	max.	max.	max.	max.		min.	≈	
No.	mm	inch	mm	mm	mm	mm	mm	mm	mm	mm	cm^2	kN	kg/m	No.
08 B-1 TR KS	12,700	1/2	7,75	11,30	11,43	8,51	4,45	11,8	3,9	17,0	0,50	18,6	0,70	11,12,15
10 B-1 TR KS	15,875	5/8	9,65	13,28	13,41	10,16	5,08	14,7	4,1	19,6	0,67	27,0	0,91	11,12,15
12 B-1 TR KS	19,050	3/4	11,68	15,62	15,75	12,07	5,72	16,1	4,6	22,7	0,89	31,0	1,18	11,12,15
16 B-1 TR KS	25,400	1	17,02	25,40	25,60	15,88	8,28	21,0	5,4	36,1	2,10	72,0	2,68	11,111,12
20 B-1 TR KS	31,750	1 1/4	19,56	29,00	29,20	19,05	10,19	26,4	6,1	43,2	2,96	105,0	3,50	111,12
24 B-1 TR KS	38,100	1 1/2	25,40	37,90	38,20	25,40	14,63	33,4	6,6	53,4	5,54	180,0	6,80	111,12

Can also be supplied with attachments and straight plates (type series GL).
Chains 16-B GLS available with plate height g = 21 mm (max.) and as type series GL with g = 24 mm (max.).
Standard sprockets can be used for these chains

NB: Some of the items on these pages may be non-stock. Please contact our Sales Department for confirmation.

Connecting links



No. 11 (E)
Spring clip
connecting link



No. 111 (S)
Connecting link
with cottered pin



No. 12 (L)
Single cranked link

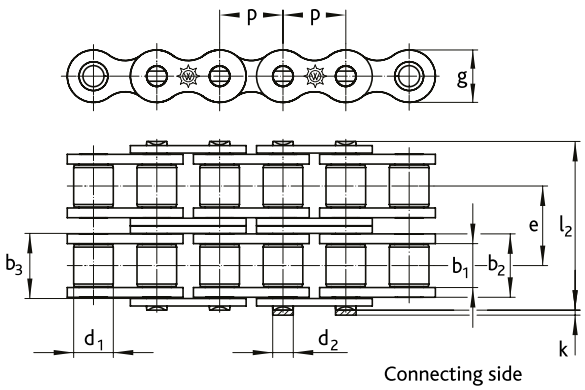


No. 15 (C)
Double cranked link

TRIATHLON KS Duplex Maintenance-Free Roller Chains

WIPPERMANN

TRIATHLON KS



DUPLEX

Chain	Pitch		Inner width	Inner link width	Outer plate width	Roller Ø	Pin Ø	Trans-verse pitch	Plate height	Projection over connecting link	Width over pin	Bearing area	Breaking load	Weight	Connecting links
	p		b_1	b_2	b_3	d_1	d_2	e	g	k	l_2	f	F_B	q	
			min.	max.	min.	max.	max.		max.	max.	max.		min.	≈	
No.	mm	inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	cm^2	kN	kg/m	No.
08 B-2 TR KS	12,700	1/2	7,75	11,30	11,43	8,51	4,45	13,92	11,8	3,9	31,0	1,01	37,0	1,36	11,12,15
10 B-2 TR KS	15,875	5/8	9,65	13,28	13,41	10,16	5,08	16,59	14,7	4,1	36,2	1,34	54,0	1,82	11,12,15
12 B-2 TR KS	19,050	3/4	11,68	15,62	15,75	12,07	5,72	19,46	16,1	4,6	42,2	1,79	63,0	2,38	11,12,15
16 B-2 TR KS	25,400	1	17,02	25,40	25,60	15,88	8,28	31,88	21,0	5,4	68,0	4,21	140,0	5,30	11,111,12
20 B-2 TR KS	31,750	1 1/4	19,56	25,40	29,20	19,05	10,19	36,45	26,4	6,1	79,0	5,91	210,0	7,30	111,12
24 B-2 TR KS	38,100	1 1/2	25,40	37,90	38,20	25,40	14,63	48,36	33,4	6,6	101,0	11,09	360,0	13,40	111,12

Can also be supplied with attachments and straight plates (type series GL).

Chains 16-B GLS available with plate height g = 21 mm (max.) and as type series GL with g = 24 mm (max.).

Standard sprockets can be used for these chains

NB: Some of the items on these pages may be non-stock. Please contact our Sales Department for confirmation.

Connecting links (Images for illustrative purposes only)



No. 11 (E)
Spring clip
connecting link



No. 111 (S)
Connecting link
with cottered pin



No. 12 (L)
Single cranked link

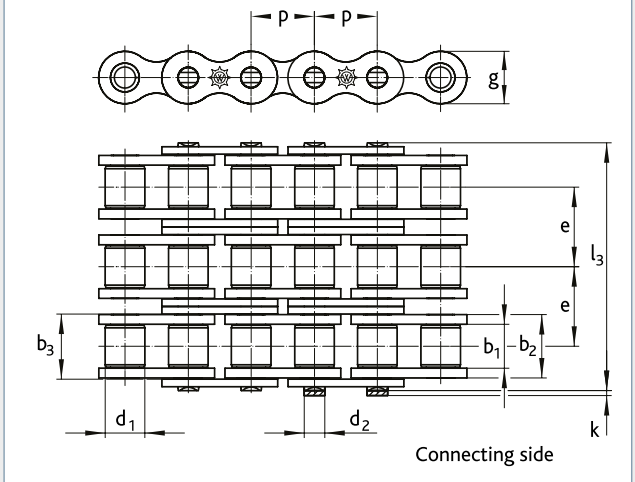


No. 15 (C)
Double cranked link

TRIATHLON KS Triplex Maintenance-Free Roller Chains

WIPPERMANN

TRIATHLON KS



TRIPLEX

Chain	Pitch		Inner width	Inner link width	Outer plate width	Roller Ø	Pin Ø	Trans-verse pitch	Plate height	Projection over connecting link	Width over pin	Bearing area	Breaking load	Weight	Connecting links
	p		b_1	b_2	b_3	d_1	d_2	e	g	k	l_3	f	F_B	q	
			min.	max.	min.	max.	max.		max.	max.	max.		min.	≈	
No.	mm	inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	cm^2	kN	kg/m	No.
08 B-3 TR KS	12,700	1/2	7,75	11,30	11,43	8,51	4,45	13,92	11,8	3,9	44,9	1,51	56,0	2,01	11,12,15
10 B-3 TR KS	15,875	5/8	9,65	13,28	13,41	10,16	5,08	16,59	14,7	4,1	52,8	2,02	80,0	2,70	11,12,15
12 B-3 TR KS	19,050	3/4	11,68	15,62	15,75	12,07	5,72	19,46	16,1	4,6	61,7	2,68	94,0	3,12	11,12,15
16 B-3 TR KS	25,400	1	17,02	25,40	25,60	15,88	8,28	31,88	21,0	5,4	99,9	6,31	211,0	7,50	11,111,12
20 B-3 TR KS	31,750	1 1/4	19,56	29,00	29,20	19,05	10,19	36,45	26,4	6,1	116,0	8,87	300,0	10,60	111,12
24 B-3 TR KS	38,100	1 1/2	25,40	37,90	38,20	25,40	14,63	48,36	33,4	6,6	150,0	16,63	523,0	20,00	111,12

Can also be supplied with attachments and straight plates (type series GL).

Chains 16-B GLS available with plate height g = 21 mm (max.) and as type series GL with g = 24 mm (max.).

Standard sprockets can be used for these chains

NB: Some of the items on these pages may be non-stock. Please contact our Sales Department for confirmation.

Connecting links (Images for illustrative purposes only)



No. 11 (E)
Spring clip
connecting link



No. 111 (S)
Connecting link
with cottered pin



No. 12 (L)
Single cranked link



No. 15 (C)
Double cranked link



WIPPERMANN

COPPERHEAD CHAINS
EASY SPLIT - EASY FIT!

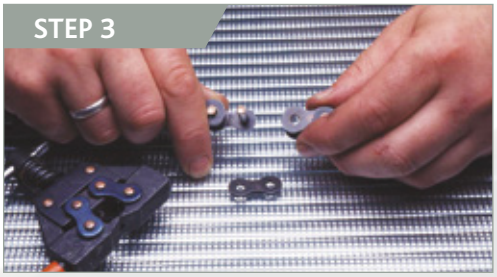
An ideal high quality replacement for other standard chains



Position breaking tool over pin



Remove outer plate from the pins



Now chain is easily split, it is ready to fit

When modifying chain lengths or replacing chains on site, ease of split and ease of fit is vitally important if costly downtime is to be reduced.

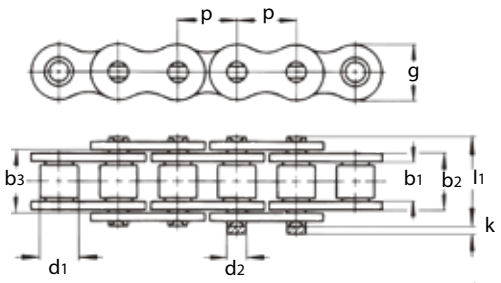
Wippermann Copperhead Chain allows the side plate to be removed easily, without having to punch out the pins or grind off the rivet heads; saving both time and money.

- Identical in price and performance
- Quality West European materials used throughout
- Fully heat treated solid rollers, bushes and pins
- Holes punched & shaved by progressive die tools
- Fatigue resistant shot peened rollers & plates
- All chain pre-loaded & lubricated ready for use

Copperhead Simplex to ISO 606

WIPPERMANN

Copperhead



SIMPLEX



Chain		Pitch		Inner width	Outer width	Roller Ø	Pin Ø h9	Plate height	Addl. length	Total width	Bearing area	Breaking load		Weight	Conn. links
		p		b_1	b_2	d_1	d_2	g	k	l_1		DIN	W		
	ISO			min.	max.	max.		max.		max.		min.	median		
		mm	inch	mm	mm	mm	mm	mm	mm	mm	(cm^2)	kN	kN	(kg/m)	
462EB	08B-1	12.7	1/2	7.75	11.3	8.51	4.45	11.8	3.9	17	0.5	18	18.6	0.7	11, 12, 15
501EB	10B-1	15.875	5/8	9.65	13.28	10.16	5.08	14.7	4.1	19.6	0.67	22.4	27	0.91	11, 12, 15
513EB	12B-1	19.05	3/4	11.68	15.62	12.07	5.72	16.1	4.6	22.7	0.89	29	31	1.18	11, 12, 15
548EB	16B-1	25.4	1	17.02	25.4	15.88	8.28	21	5.4	36.1	2.1	60	72	2.68	11, 111, 12

Connecting links - NB: All connecting links are Standard non-Copperhead type



No. 11 (E)
Spring clip
connecting link



No. 111 (S)
Connecting link
with cottered pin



No. 12 (L)
Single cranked link

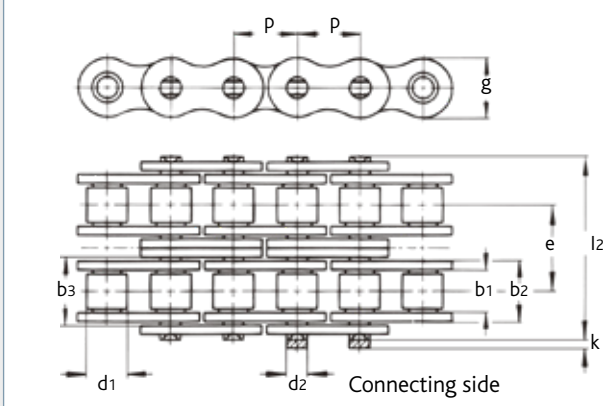


No. 15 (C)
Double cranked link

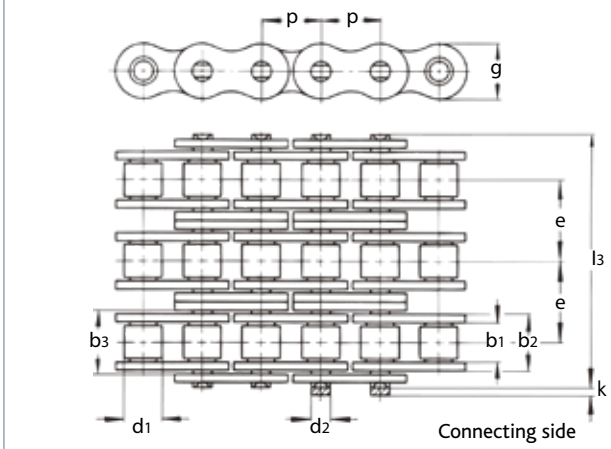
Copperhead Duplex and Triplex to ISO 606

WIPPERMANN

Copperhead



DUPLEX



TRIPLEX

Duplex

Chain		Pitch		Inner width	Outer width	Roller Ø	Pin Ø h9	Plate height	Addl. length	Total width	Traverse Pitch	Bearing area	Breaking load		Weight	Conn. links
	ISO	p		b_1	b_2	d_1	d_2	g	k	l	e		DIN	W		
				min.	max.	max.		max.		max.			min.	median		
No.	No.	mm	inch	mm	mm	mm	mm	mm	mm	mm	mm	cm^2	kN	kN	kg/m	No.
D462EB	08B-2	12.7	1/2	7.75	11.3	8.51	4.45	11.8	3.9	31	13.92	1.01	32	37	1.36	11, 12, 15
D501EB	10B-2	15.875	5/8	9.65	13.28	10.16	5.08	14.7	4.1	36.2	16.59	1.34	44.5	54	1.82	11, 12, 15
D513EB	12B-2	19.05	3/4	11.68	15.62	12.07	5.72	16.1	4.6	42.2	19.46	1.79	57.8	63	2.38	11, 12, 15
D548EB	16B-2	25.4	1	17.02	25.4	15.88	8.28	21	5.4	68	31.88	4.21	106	140	5.3	11, 111, 12

Triplex

T462EB	08B-3	12.7	1/2	7.75	11.3	8.51	4.45	11.8	3.9	44.9	13.92	1.51	47.5	56	2.01	11, 12, 15
T501EB	10B-3	15.875	5/8	9.65	13.28	10.16	5.08	14.7	4.1	52.8	16.59	2.02	66.7	80	2.7	11, 12, 15
T513EB	12B-3	19.05	3/4	11.68	15.62	12.07	5.72	16.1	4.6	61.7	19.46	2.68	86.7	94	3.12	11, 12, 15
T548EB	16B-3	25.4	1	17.02	25.4	15.88	8.28	21	5.4	99.9	31.88	6.31	160	211	7.5	11, 111, 12

Connecting links - NB: All connecting links are Standard non-Copperhead type



Duplex Triplex

No. 11 (E) Spring clip connecting link



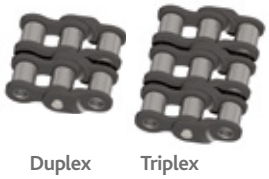
Duplex Triplex

No. 111 (S) Connecting link with cottered pin



Duplex Triplex

No. 12 (L) Single cranked link



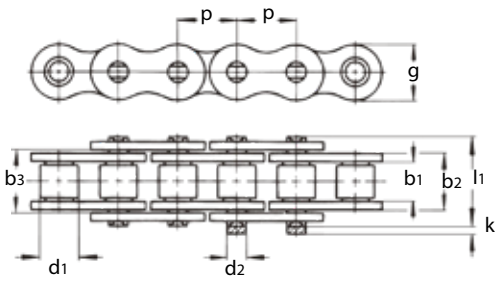
Duplex Triplex

No. 15 (C) Double cranked link

American Standard Simplex Roller Chain to ISO 606

WIPPERMANN

American Standard



Connecting side

SIMPLEX

- Electrogalvanised or Nickel-plated chains on request. In this case chains may only have 80% of the tensile strength.



Chain			Pitch		Inner width	Inner link width	Outer plate width	Roller Ø	Pin Ø	Plate height	Projection over connecting link	Width over pin	Bearing area	Breaking load	Weight	Connecting links
		ISO	p		b_1	b_2	b_3	d_1	d_2	g	k	l_1	f	F_B	q	
					min.	max.	min.	max.	max.	max.	max.	max.		min.	≈	
No.	Ind.	No.	mm	inch	mm	mm	mm	mm	mm	mm	mm	mm	cm^2	kN	kg/m	No.
25-1	2	04 C-1	6,35	1/4	3,18	4,80	4,85	3,30	2,31	6,0	2,5	9,0	0,11	3,5	0,13	11,15
35-1	2	06 C-1	9,525	3/8	4,68	7,47	7,52	5,08	3,58	9,1	3,3	13,2	0,27	10,2	0,35	11,12,15
40-1		08 A-1	12,7	1/2	7,85	11,15	11,28	7,95	3,96	12,0	3,9	17,8	0,44	16,5	0,60	11,12,15
50-1		10 A-1	15,875	5/8	9,40	13,80	13,93	10,16	5,08	15,0	4,1	21,8	0,70	30,0	1,01	11,12,15
60-1	9	12 A-1	19,05	3/4	12,57	17,70	17,85	11,91	5,94	18,0	4,6	26,9	1,05	40,0	1,58	11,111,12,15
80-1	9	16 A-1	25,4	1	15,75	22,50	22,70	15,88	7,92	24,1	5,4	33,5	1,78	69,0	2,36	11,111,12
100-1	9	20 A-1	31,75	1 1/4	18,90	27,40	27,60	19,05	9,53	30,1	6,1	41,1	2,61	92,5	3,80	111,12
120-1	9	24 A-1	38,1	1 1/2	25,22	35,30	35,60	22,23	11,10	36,2	6,6	50,8	3,92	139,0	5,40	111,12
140-1	9	28 A-1	44,45	1 3/4	25,22	37,00	37,30	25,40	12,70	42,2	7,4	54,9	4,70	178,5	7,30	111,12
160-1	9	32 A-1	50,8	2	31,55	45,00	45,30	28,58	14,27	48,2	7,9	65,5	6,42	231,0	9,90	111,12
200-1	9	40 A-1	63,5	2 1/2	37,85	54,70	55,00	39,68	19,84	60,3	10,0	80,3	10,85	387,0	16,50	111,12

[2] Without rollers (DIN 8154). [9] Dismountable designs (with cottered/split pins).on.request

Connecting links



No. 4 (B)
Inner link



No. 7 (A)
Outer link
(to be riveted)



No. 11 (E)
Spring clip
connecting link



No. 111 (S)
Connecting link
with cottered pin



No. 12 (L)
Single cranked link

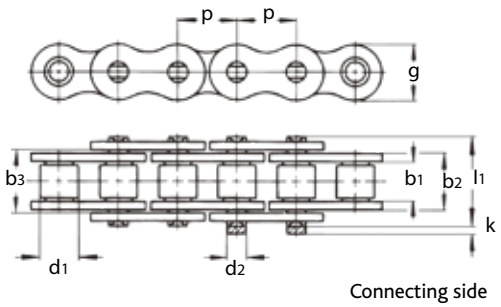


No. 15 (C)
Double cranked link

American Standard Heavy Duty Simplex Roller Chain to ISO 606

WIPPERMANN

American Standard



HEAVY DUTY SIMPLEX

- Heavy duty design
- Reinforced side plates
- Enlarged bearing areas
- Electrogalvanised or Nickel-plated chains on request. In this case chains may only have 80% of the tensile strength.



Chain			Pitch		Inner width	Inner link width	Outer plate width	Roller Ø	Pin Ø	Plate height	Projection over connecting link	Width over pin	Bearing area	Breaking load	Weight	Connecting links
	ISO		p		b_1	b_2	b_3	d_1	d_2	g	k	l_1	f	F_B	q	
					min.	max.	min.	max.	max.	max.	max.	max.		min.	≈	
No.	Ind.	No.	mm	inch	mm	mm	mm	mm	mm	mm	mm	mm	cm^2	kN	kg/m	No.
50-1H		-	15,875	5/8	9,40	14,60	14,73	10,16	5,08	15,0	4,1	23,4	0,75	32,0	1,18	11
60-1H	9	-	19,05	3/4	12,57	19,45	19,60	11,91	5,94	18,0	4,6	28,9	1,16	42,0	1,94	11
80-1H	9	-	25,4	1	15,75	24,28	24,48	15,88	7,92	24,1	5,4	37,0	1,92	72,0	3,04	111
100-1H	9	-	31,75	1 1/4	18,90	29,10	29,30	19,05	9,53	30,1	6,1	44,0	2,77	96,0	4,25	111
120-1H	9	-	38,1	1 1/2	25,22	37,00	37,30	22,23	11,10	36,2	6,6	54,0	4,13	141,0	6,40	111
140-1H	9	-	44,45	1 3/4	25,22	38,70	39,00	25,40	12,70	42,2	7,4	58,0	4,94	180,0	8,30	111
160-1H	9	-	50,8	2	31,55	46,90	47,20	28,58	14,27	48,2	7,9	68,0	6,70	233,0	11,50	111
200-1H	9	-	63,5	2 1/2	37,85	57,60	57,90	39,68	19,84	60,3	10,0	84,0	11,60	400,0	20,00	111

[9] Dismountable designs (with cottered/split pins) on request.

NB: Some of the items on these pages may be non-stock. Please contact our Sales Department for confirmation.

Connecting links



No. 11 (E)
Spring clip
connecting link

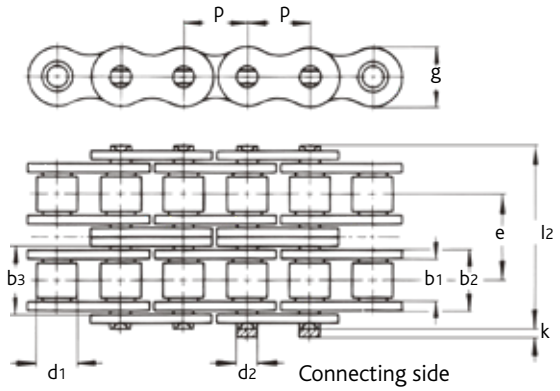


No. 111 (S)
Connecting link
with cottered pin

American Standard Duplex Roller Chain to ISO 606

WIPPERMANN

American Standard



DUPLEX

- Electrogalvanised or Nickel-plated chains on request. In this case chains may only have 80% of the tensile strength.



Chain		Pitch		Inner width	Inner link width	Outer plate width	Roller Ø	Pin Ø	Trans-verse pitch	Plate height	Projection over connecting link	Width over pin	Bearing area	Breaking load	Weight	Connecting links
ISO		p		b1	b2	b3	d1	d2	e	g	k	l2	f	FB	q	
				min.	max.	min.	max.	max.		max.	max.	max.		min.	≈	
No.	Ind.	No.	mm	inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	cm²	kN	kg/m	No.
35-2	2	06 C-2	9,525	3/8	4,68	7,47	7,52	5,08	3,58	10.13	9,0	3,3	23,4	0,53	17,0	0,70	11,12,15
40-2		08 A-2	12,7	1/2	7,85	11,15	11,28	7,95	3,96	14.38	12,0	3,9	32,3	0,88	29,7	1,20	11,12,15
50-2		10 A-2	15,875	5/8	9,40	13,80	13,93	10,16	5,08	18.11	15,0	4,1	39,9	1,40	62,0	1,78	11,12,15
60-2	9	12 A-2	19,05	3/4	12,57	17,70	17,85	11,91	5,94	22.78	18,0	4,6	49,8	2,10	76,0	3,15	11,111,12,15
80-2	9	16 A-2	25,4	1	15,75	22,50	22,70	15,88	7,92	29.29	24,1	5,4	62,7	3,56	135,0	4,90	11,111,12,15
100-2	9	20 A-2	31,75	1 1/4	18,90	27,40	27,60	19,05	9,53	35.76	30,1	6,1	77,0	5,22	205,0	7,60	111,12
120-2	9	24 A-2	38,1	1 1/2	25,22	35,30	35,60	22,23	11,10	45.44	36,2	6,6	96,3	7,84	290,0	10,80	111,12
140-2	9	28 A-2	44,45	1 3/4	25,22	37,00	37,30	25,40	12,70	48.87	42,2	7,4	103,0	9,40	357,0	14,30	111,12
160-2	9	32 A-2	50,8	2	31,55	45,00	45,30	28,58	14,27	58.55	48,2	7,9	124,0	12,84	455,0	19,40	111,12
200-2	9	40 A-2	63,5	2 1/2	37,85	54,70	55,00	39,68	19,84	71.55	60,3	10,0	151,0	21,70	730,0	33,00	111,12

[2] Without rollers (DIN 8154). [9] Dismountable designs (with cottered/split pins) on request.

NB: Some of the items on these pages may be non-stock. Please contact our Sales Department for confirmation.

Connecting links



No. 11 (E)
Spring clip
connecting link



No. 111 (S)
Connecting link
with cottered pin



No. 12 (L)
Single cranked link

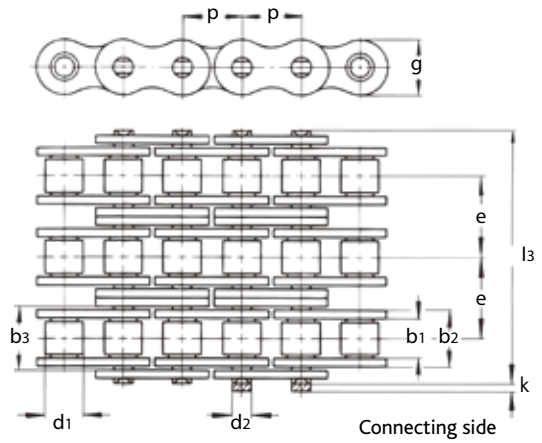


No. 15 (C)
Double cranked link

American Standard Triplex Roller Chain to ISO 606

WIPPERMANN

American Standard



TRIPLEX

- Electrogalvanised or Nickel-plated chains on request. In this case chains may only have 80% of the tensile strength.



Chain			Pitch		Inner width	Inner link width	Outer plate width	Roller Ø	Pin Ø	Trans-verse pitch	Plate height	Projection over connecting link	Width over pin	Bearing area	Breaking load	Weight	Connecting links
		ISO	p		b_1	b_2	b_3	d_1	d_2	e	g	k	l_3	f	F_B	q	
					min.	max.	min.	max.	max.		max.	max.	max.		min.	≈	
No.	Ind.	No.	mm	inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	cm^2	kN	kg/m	No.
35-3	2	06 C-3	9,525	3/8	4,68	7,47	7,52	5,08	3,58	10.13	9,0	3,3	33,5	0,80	25,5	1,05	11,12,15
40-3		08 A-3	12,7	1/2	7,85	11,15	11,28	7,95	3,96	14.38	12,0	3,9	46,7	1,32	41,2	1,80	11,12,15
50-3		10 A-3	15,875	5/8	9,40	13,80	13,93	10,16	5,08	18.11	15,0	4,1	57,9	2,10	88,0	3,02	11,12,15
60-3	9	12 A-3	19,05	3/4	12,57	17,70	17,85	11,91	5,94	22.78	18,0	4,6	72,6	3,15	105,0	4,70	11,111,12,15
80-3	9	16 A-3	25,4	1	15,75	22,50	22,70	15,88	7,92	29.29	24,1	5,4	91,7	5,35	193,0	7,50	11,111,12,15
100-3	9	20 A-3	31,75	1 1/4	18,90	27,40	27,60	19,05	9,53	35.76	30,1	6,1	113,0	7,83	305,0	11,20	111,12
120-3	9	24 A-3	38,1	1 1/2	25,22	35,30	35,60	22,23	11,10	45.44	36,2	6,6	141,0	11,76	410,0	16,10	111,12
140-3	9	28 A-3	44,45	1 3/4	25,22	37,00	37,30	25,40	12,70	48.87	42,2	7,4	152,0	14,10	520,0	21,40	111,12
160-3	9	32 A-3	50,8	2	31,55	45,00	45,30	28,58	14,27	58.55	48,2	7,9	182,0	19,26	685,0	29,10	111,12
200-3	9	40 A-3	63,5	2 1/2	37,85	54,70	55,00	39,68	19,84	71.55	60,3	10,0	223,0	32,56	1095,0	50,00	111,12

[2] Without rollers (DIN 8154). [9] Dismountable designs (with cottered/split pins) on request.

NB: Some of the items on these pages may be non-stock. Please contact our Sales Department for confirmation.

Connecting links



No. 11 (E)
Spring clip
connecting link



No. 111 (S)
Connecting link
with cottered pin



No. 12 (L)
Single cranked link

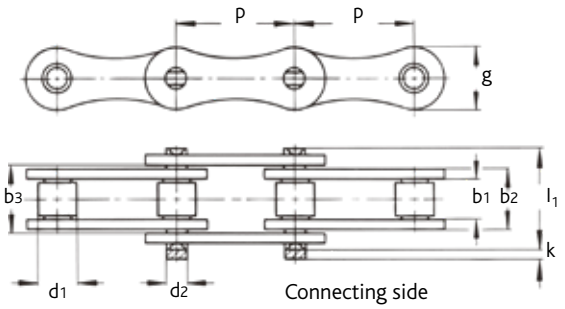


No. 15 (C)
Double cranked link

Double Pitch Roller Chain to ISO 1275

WIPPERMANN

Double Pitch



DOUBLE PITCH

- Electrogalvanised or Nickel-plated chains on request. In this case chains may only have 80% of the tensile strength.



Chain		Pitch		Inner width	Inner link width	Outer plate width	Roller Ø	Pin Ø	Plate height	Projection over connecting link	Width over pin	Bearing area	Breaking load ISO	Weight
	ISO	p		b_1	b_2	b_3	d_1	d_2	g	k	l_1	f	F_B	q
				min.	max.	min.	max.	max.	max.	max.	max.		min.	≈
No.	No.	mm	inch	mm	mm	mm	mm	mm	mm	mm	mm	cm^2	kN	kg/m
713	208 B	25,4	1	7,75	11,30	11,43	8,51	4,45	11,8	3,9	17,0	0,50	18,0	0,46
717	210 B	31,75	1 1/4	9,65	13,28	13,41	10,16	5,08	14,7	4,1	19,6	0,67	22,4	0,57
722	212 B	38,1	1 1/2	11,68	15,62	15,75	12,07	5,72	16,1	4,6	22,7	0,89	29,0	0,75
728	216 B	50,8	2	17,02	25,40	25,60	15,88	8,28	21,0	5,4	36,1	2,10	60,0	1,74
734	220 B	63,5	2 1/2	19,56	29,00	29,20	19,05	10,19	28,5	6,1	43,2	2,96	95,0	2,55

Stainless Steel

713 RF	208 B	25,4	1	7,75	11,30	11,43	8,51	4,45	11,8	3,9	17,0	0,50	12,0	0,48
717 RF	210 B	31,75	1 1/4	9,65	13,28	13,41	10,16	5,08	14,7	4,1	19,6	0,67	14,5	0,55
722 RF	212 B	38,1	1 1/2	11,68	15,62	15,75	12,07	5,72	16,1	4,6	22,7	0,89	18,5	0,80
728 RF	216 B	50,8	2	17,02	25,40	25,60	15,88	8,28	21,0	5,4	36,1	2,10	40,0	1,74

Connecting links



Nr. 4 (B)
Inner link



Nr. 7 (A)
Outer link
(to be riveted)



Nr. 111 (S)
Connecting link with
cottered pin



Nr. 208 (B)
for chain No. 713
with spring clip (E)

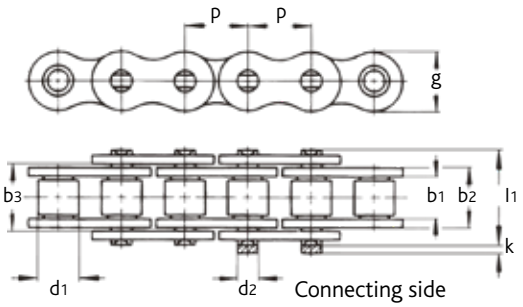


Nr. 12 (L)
Single cranked
link

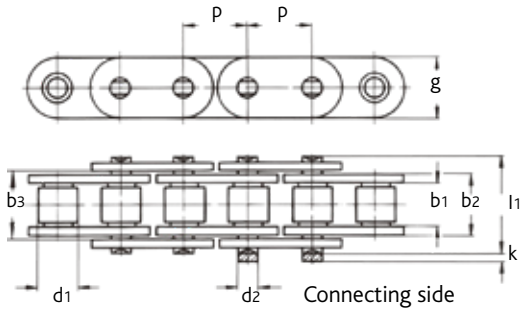
Special Heavy Duty Chains

WIPPERMANN

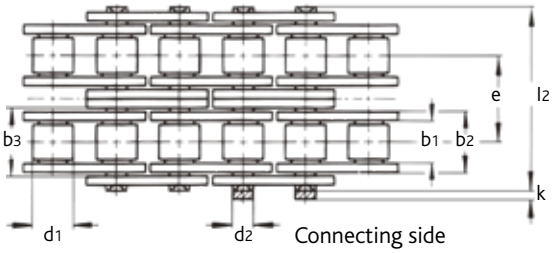
Heavy Duty Chain



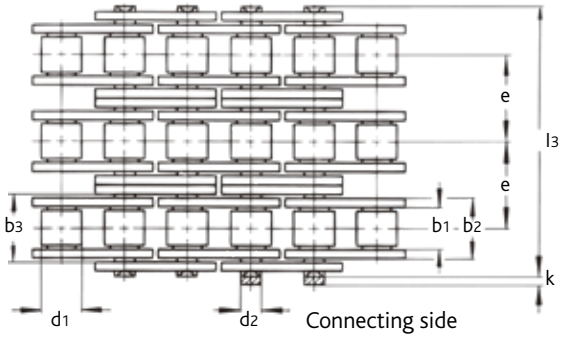
SIMPLEX



SIMPLEX (TYPE GL)



DUPLEX



TRIPLEX

Chain		Pitch		Inner width	Inner link width	Outer plate width	Roller Ø	Pin Ø	Trans-verse pitch	Plate height	Projection over connecting link	Width over pin	Bearing area	Breaking load	Weight	Connecting links
		p		b_1	b_2	b_3	d_1	d_2	e	g	k	l	f	F_B	q	
				min.	max.	min.	max.	max.		max.	max.	max.		min.	≈	
No.	Ind.	mm	inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	cm^2	kN	kg/m	No.
548 GLX	1	25,4	1	17,02	25,40	25,60	15,88	8,28		24,0	5,4	36,1	2,10	85,0	3,29	4,7,11,111
D548 GLX	1	25,4	1	17,02	25,40	25,60	15,88	8,28	31,88	24,0	5,4	68,0	4,21	170,0	6,59	4,7,11,111
T548 GLX	1	25,4	1	17,02	25,40	25,60	15,88	8,28	31,88	24,0	5,4	99,9	6,31	270,0	8,50	4,7,11,111
563 GLX	1	31,75	1 1/4	19,56	29,00	29,20	19,05	10,19		26,4	6,1	43,2	2,95	123,0	4,13	4,7,11,111
D563 GLX	1	31,75	1 1/4	19,56	29,00	29,20	19,05	10,19	36,45	26,4	6,1	79,0	5,91	240,0	8,03	4,7,11,111
T563 GLX	1	31,75	1 1/4	19,56	29,00	29,20	19,05	10,19	36,45	26,4	6,1	116,0	8,87	350,0	11,66	4,7,11,111
596 R		38,1	1 1/2	25,40	37,90	38,20	25,40	13,50		36,0	6,6	53,4	5,12	200,0	7,10	4,7,111
596 SX		38,1	1 1/2	25,40	39,90	40,20	25,40	14,63		36,0	6,6	56,5	5,84	235,0	8,20	4,7,111
50 HX	14	15,875	5/8	9,40	14,60	14,73	10,16	5,08		15,0	4,1	23,4	0,75	33,4	1,18	4,7,11
60 HX	14	19,05	3/4	12,57	19,45	19,60	11,91	5,94		18,0	4,6	28,9	1,16	50,0	1,94	4,7,11
80 HX	14	25,4	1	15,75	24,28	24,49	15,88	7,92		24,1	5,4	37,0	1,92	75,6	3,04	4,7,111
100 HX	14	31,75	1 1/4	18,90	29,10	29,30	19,05	9,53		30,1	6,1	44,0	2,77	113,4	4,25	4,7,111

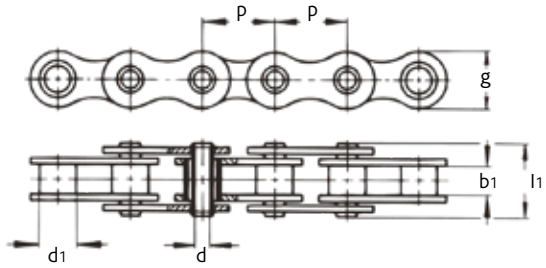
[1] With straight side plates. [14] Type series HX with reinforced plates and pins made of quenched and tempered steel.

NB: Some of the items on these pages may be non-stock. Please contact our Sales Department for confirmation.

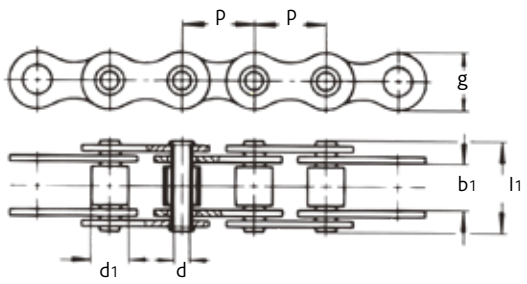
Hollow Pin Chains

WIPPERMANN

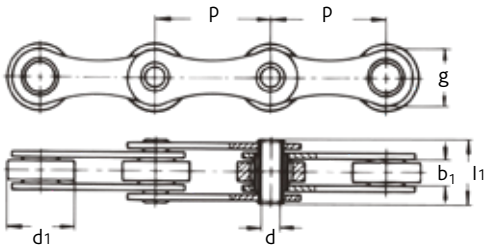
Hollow Pin Chain



TYPE 1



TYPE2



TYPE 3

- Hollow pin chains are connected by means of outer links (pin links). For the chains No. 01597 and No. 01598, straight connecting links with Seeger circlip ring can be supplied.
- Electrogalvanised or nickel-plated chains on request. In this case chains may only have 80% of the tensile strength.

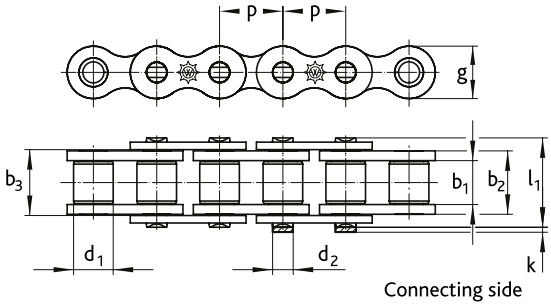
Chain		Pitch		Inner width	Roller (Bushing) Ø	Hollow pin Bore Ø	Hollow pin Width	Plate height	Type	Bearing area	Breaking load	Weight
		p		b_1	d_1	d	l_1	g		f	F_B	q
				min.	max.	+0,1		max.			min.	≈
No.	Ind.	mm	inch	mm	mm	mm	mm	mm		cm^2	kN	kg/m
01105		12,7	1/2	3,30	7,75	4,2	10,2	10,5	2	0,14	10,0	0,34
01462		12,7	1/2	7,75	8,51	4,0	17,0	12,2	1	0,68	10,0	0,65
01463		12,7	1/2	9,50	8,51	4,0	19,0	11,8	2	0,20	14,0	0,68
01500		15,875	5/8	6,50	10,16	5,0	17,0	14,7	2	0,28	15,0	0,74
01501		15,875	5/8	9,50	10,16	5,0	20,0	14,7	2	0,28	15,0	0,83
01513		19,05	3/4	11,70	12,07	5,0	22,5	16,1	2	0,30	25,0	1,07
01589		38,1	1 1/2	15,20	18,00	10,2	34,5	28,0	1	2,28	45,0	2,62
01598	1,3	50,0	-	15,00	26,00	14,4	35,6	40,0	1	4,20	100,0	4,10
01650	4,5	50,8	2	11,00	30,00	8,2	27,0	26,0	3	1,94	50,0	2,15
01650RF	4,5,6	50,8	2	11,00	30,00	8,2	27,0	26,0	3	1,94	32,0	2,15

[1] With straight side plates. [3] Also supplied with small rollers 32 mm Ø (Type 3). [4] Also with Plastic rollers. [5] Support rollers.
[6] Made of Stainless Steel and acid resistant Steel W.-No. 1.4301.

Works Standard Chains/Agricultural Roller Chains

WIPPERMANN

Works Standard / Agricultural



ACCORDING TO ISO 487

Roller chains according to works standard specification are used if roller chains according to ISO 606 are not sufficient with regard to dimensions and transmissible power.



Chain	Pitch		Inner width	Inner link width	Outer plate width	Roller Ø	Pin Ø	Plate height	Projection over connecting link	Width over pin	Bearing area	Breaking load	Weight	Connecting links
	p		b_1	b_2	b_3	d_1	d_2	g	k	l_1	f	F_B	q	
			min.	max.	min.	max.	max.	max.	max.	max.		min.	≈	
No.	mm	inch	mm	mm	mm	mm	mm	mm	mm	mm	cm^2	kN	kg/m	No.
455 TL	9,525	3/8	5,72	8,53	8,66	6,35	3,28	9,0	3,3	13,5	0,28	9,0	0,41	4,7,11,12,15
18	12,700	1/2	4,88	9,30	9,43	7,75	4,18	11,2	1,5	14,4	0,39	17,5	0,55	4,7,11,12,15
460	12,700	1/2	5,21	8,70	8,93	8,51	4,45	11,8	3,9	15,0	0,39	18,2	0,62	4,7,11,15
515	19,050	3/4	13,50	19,70	19,83	12,07	5,72	16,2	4,6	28,6	1,12	35,0	1,67	4,7,11,12
517	19,050	3/4	11,68	17,00	17,13	12,07	6,10	18,1	3,6	24,9	1,05	40,0	1,51	4,7,11,12
546 b	25400	1	12,70	20,00	20,20	14,00	7,50	22,5	5,4	30,0	1,48	58,0	2,14	4,7,11,12
547	25,400	1	12,70	21,07	21,27	15,88	8,28	21,0	5,4	30,9	1,74	63,0	2,50	4,7,11,12,111
577	35,000	–	19,60	27,00	27,20	19,05	10,19	26,0	6,1	40,0	2,74	85,0	2,90	4,7,111,12
6144*	41500	–	20,70	26,90	27,28	15,90	9,05	26,3	5,0	38,1	2,40	56,0	2,59	4,7,111

* With straight side plates.

For new installations we recommend to use only standardised roller chains according to ISO 606

NB: Some of the items on these pages may be non-stock. Please contact our Sales Department for confirmation.

Connecting links



No. 4 (B)
Inner link



No. 7 (A)
Outer link
(to be riveted)



No. 11 (E)
Spring clip
connecting link



No. 111 (S)
Connecting link
with cottered pin



No. 12 (L)
Single cranked link



No. 15 (C)
Double cranked link

MARATHON
MAINTENANCE-FREE CHAINS

WIPPERMANN

THE CHAIN BRAND
THAT GOES THE DISTANCE

Long-distance chain that never needs to be lubricated.

The latest generation of maintenance-free chains meets the demand of various industries requiring the highest mechanical load, high temperature application, water resistance or hygiene and compliance of the drives with food legislation.

Thanks to high-grade steels, environmentally-friendly and functional coatings as well as innovative polymer bearings, the chains are precisely geared to the customers' requirements.

The stainless version of the Marathon chain is particularly suited for areas of application in which freedom of maintenance is a key factor in addition to availability, operational safety and reliability.



Benefits

- **High-temperature applications up to + 200 ° C**
- **Lubricant-free**
- **FDA approval**
- **Maximum corrosion protection/stainless**
- **Permanent water contact**
- **Steam resistant**
- **Resistant to chemicals**
- **RoHS compliant (chromium VI free)**
- **Maximum hardness and wear resistance**

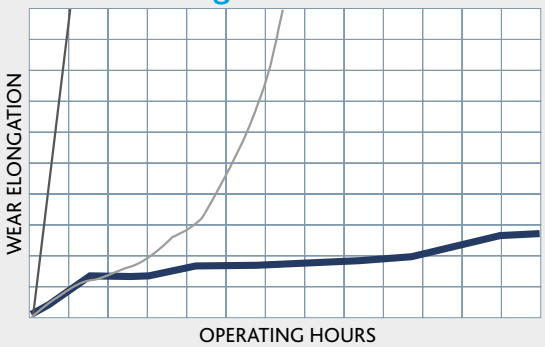




MARATHON RF
with TRIGLEIT II polymer plain bearings



Results of long-term wear tests



- Non-lubricated chains
- Standard maintenance-free chains
- MARATHON chain

For **MARATHON Chain** see page 518

MANUFACTURED TO FDA STANDARDS

BELTS PULLEYS CHAIN SPROCKETS GEARS BEARINGS LINEAR HARDWARE PLASTICS

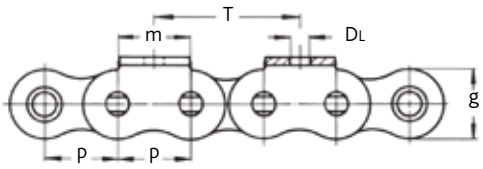
TransDev®
THE POWER IN MOTION

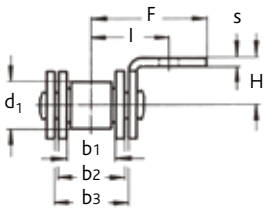
British & American Standard, Single Hole Bent Attachments

504 651 680

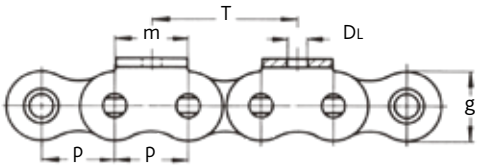
WIPPERMANN

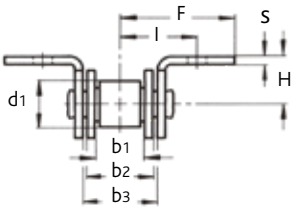
British & American Standard



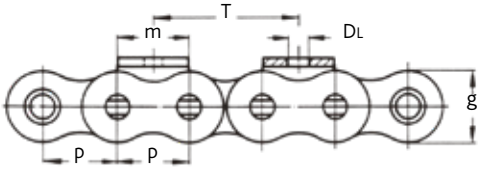


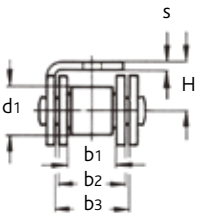
TYPE A (bent attachments, one side)





TYPE B (bent attachments, both sides)





TYPE C (bent over chain attachments, one side)



See **Pilot and Taper Bore Sprockets – Page 651**

24hr Breakdown available | Customisable product | Product code builder | Compatible product

British & American Standard, Single Hole Bent Attachments

WIPPERMANN

- All designs can also be supplied as MARATHON roller chains (maintenance-free)
- For untoleranced dimensions DIN ISO 2768 c applies.



British Standard

Basic chain		Pitch		Inner width	Inner link width	Outer plate width	Roller Ø	Plate height	Attachment dimensions					
		p		b_1	b_2	b_3	d_1	g	m	D_L	l	F	H	s
				min.	max.	min.	max.	max.						
No.	Ind.	mm	inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
450		8,0	-	3,00	4,77	4,90	5,00	7,1	8,0	3,2	6,6	12,0	5,0	0,80
455	1,15	9,525	3/8	5,72	8,53	8,66	6,35	8,2	8,0	3,5	9,5	13,5	6,5	1,25
331	17	12,7	1/2	3,30	5,80	5,93	7,75	9,9	10,5	3,5	9,0	15,1	7,0	0,95
332	17	12,7	1/2	4,88	7,20	7,33	7,75	9,9	10,5	3,5	9,7	15,8	7,0	0,95
462	15	12,7	1/2	7,75	11,30	11,43	8,51	11,8	12,5	4,5	13,1	19,0	10,0	1,50
501	15	15,875	5/8	9,65	13,28	13,41	10,16	14,7	15,0	5,5	16,7	27,0	10,0	1,70
513	15	19,05	3/4	11,68	15,62	15,75	12,07	16,1	18,5	6,6	18,6	29,0	11,0	1,80
548	15,16	25,4	1	17,02	25,40	25,60	15,88	21,0	25,0	9,0	28,9	41,8	18,0	3,00
563		31,75	1 1/4	19,56	29,00	29,20	19,05	26,4	35,0	9,0	33,4	49,0	18,0	3,75
596		38,1	1 1/2	25,40	37,90	38,20	25,40	33,4	38,0	11,0	44,0	64,0	25,0	5,00
613		44,45	1 3/4	30,99	46,50	46,80	27,94	37,0	45,0	14,0	54,1	78,0	32,0	6,00
652		50,8	2	30,99	45,50	45,80	29,21	42,2	50,0	14,0	54,0	76,3	35,0	6,00

American Standard

40	15	12,7	1/2	7,85	11,15	11,28	7,95	12,0	10,5	3,5	12,7	17,9	7,9	1,50
50	15	15,875	5/8	9,40	13,80	13,93	10,16	15,0	12,7	5,2	15,9	23,9	10,3	2,00
60	15	19,05	3/4	12,57	17,70	17,85	11,91	18,0	15,9	5,2	19,1	28,2	11,9	2,40
80	15	25,4	1	15,75	22,50	22,70	15,88	24,1	19,1	6,7	25,4	37,3	15,9	3,20

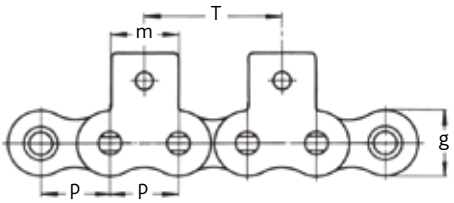
[1] With straight side plates. [15] Also with single hole bent attachments on inner link. [16] On inner link s = 4. [17] Can also be supplied with m = 16.

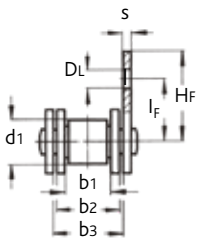
British & American Standard, Straight Single Hole Attachments & Extended Pins

504 651 680

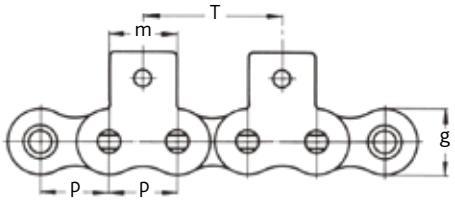
WIPPERMANN

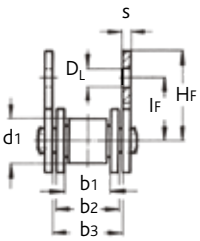
British & American Standard



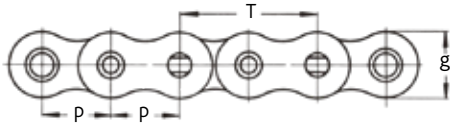


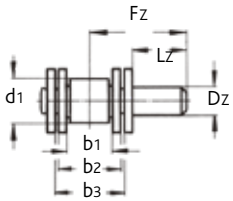
TYPE D (Straight attachments, one side)





TYPE E (Straight attachments, both sides)





TYPE F (extended pins - available on alternate sides)



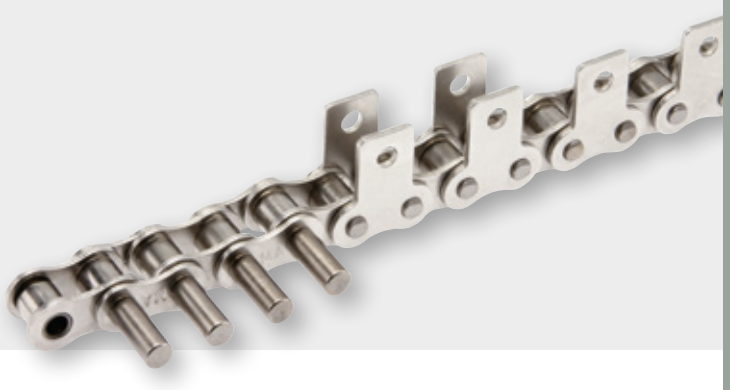
See **Witra Standard Chain – Page 622**

British & American Standard, Straight Single Hole Attachments & Extended Pins

WIPPERMANN

504 651 680

- All designs can also be supplied as MARATHON roller chains (maintenance-free)
- For untoleranced dimensions DIN ISO 2768 c applies.



British Standard

Basic chain		Pitch		Inner width	Inner link width	Outer plate width	Roller Ø	Plate height	Attachment dimensions							
		p		b_1	b_2	b_3	d_1	g	m	D_L	I_F	H_F	s	D_z [19]	L_z [19]	F_z [19]
				min.	max.	min.	max.	max.						h9		
No.	Ind.	mm	inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
450		8,0	-	3,00	4,77	4,90	5,00	7,1	8,0	3,2	7,5	13,00	0,80	4,0	10,0	13,3
455	1,18	9,525	3/8	5,72	8,53	8,66	6,35	8,2	8,0	3,5	9,0	13,80	1,25	5,0	15,0	20,7
331	17	12,7	1/2	3,30	5,80	5,93	7,75	9,9	10,5	3,5	11,3	17,65	0,95	5,0	15,0	19,0
332	17	12,7	1/2	4,88	7,20	7,33	7,75	9,9	10,5	3,5	11,5	17,65	0,95	5,0	15,0	19,7
462	18	12,7	1/2	7,75	11,30	11,43	8,51	11,8	12,5	4,5	14,7	20,30	1,50	6,0	15,0	22,4
501	18	15,875	5/8	9,65	13,28	13,41	10,16	14,7	15,0	5,5	17,2	26,70	1,70	6,5	20,0	28,5
513	18	19,05	3/4	11,68	15,62	15,75	12,07	16,1	18,5	6,6	18,7	29,00	1,80	7,0	20,0	29,8
548	16,18	25,4	1	17,02	25,40	25,60	15,88	21,0	25,0	9,0	28,6	41,50	3,00	10,0	30,0	45,9
563		31,75	1 1/4	19,56	29,00	29,20	19,05	26,4	35,0	9,0	30,5	46,00	3,75	12,0	30,0	48,4
596		38,1	1 1/2	25,40	37,90	38,20	25,40	33,4	38,0	11,0	41,0	60,00	5,00	16,0	35,0	59,1
613		44,45	1 3/4	30,99	46,50	46,80	27,94	37,0	45,0	14,0	52,5	75,50	6,00	20,0	40,0	69,0
652		50,8	2	30,99	45,50	45,80	29,21	42,2	50,0	14,0	53,5	77,00	6,00	20,0	40,0	69,0

American Standard

40	18	12,7	1/2	7,85	11,15	11,28	7,95	12,0	10,5	3,5	11,5	17,65	1,50	5,0	15,0	22,2
50	18	15,875	5/8	9,40	13,80	13,93	10,16	15,0	12,7	5,2	15,9	23,50	2,00	5,08	11,9	21,1
60	18	19,05	3/4	12,57	17,70	17,85	11,91	18,0	15,9	5,2	18,3	27,20	2,40	5,94	14,3	25,8
80	18	25,4	1	15,75	22,50	22,70	15,88	24,1	19,1	6,7	24,6	35,50	3,20	7,92	19,1	33,7

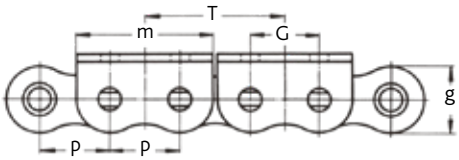
[1] With straight side plates. [16] On inner link s = 4. [17] Can also be supplied with m = 16. [18] Also with straight attachments on inner link.
[19] Other dimensions available on request.

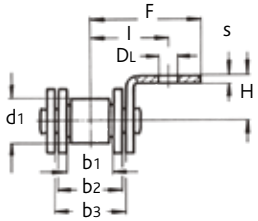
Steel & Stainless Steel, Two-Hole Bent and Straight Attachments

504 651 672

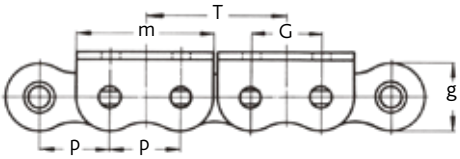
WIPPERMANN

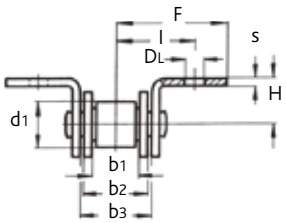
Steel & Stainless Steel



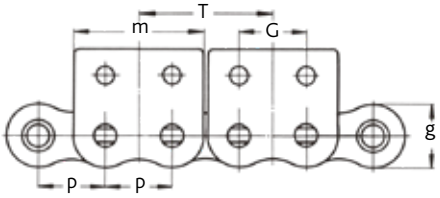


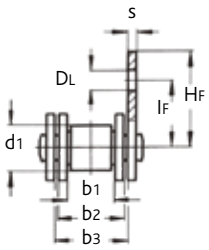
TYPE A2 (bent attachments, one side)



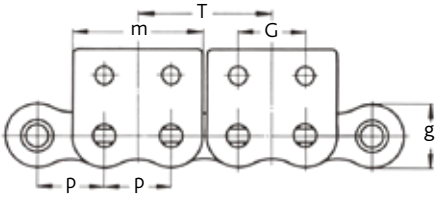


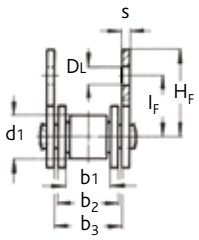
TYPE B2 (bent attachments, both sides)





TYPE D2 (straight attachments, one side)





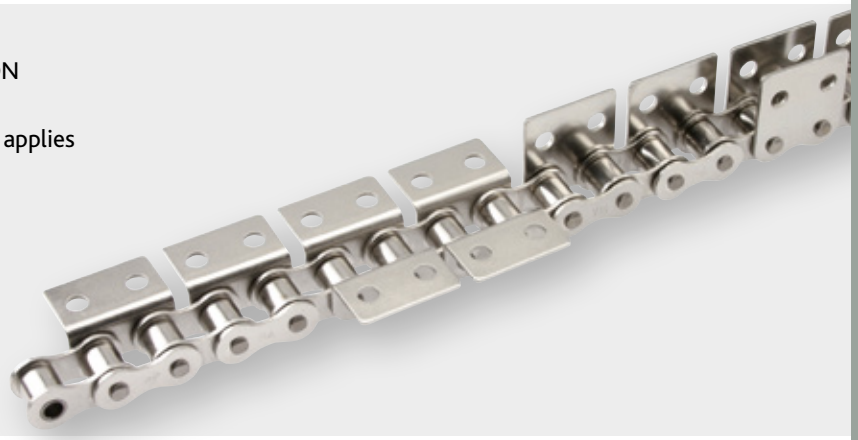
TYPE E2 (straight attachments, both sides)

Steel & Stainless Steel, Two-Hole Bent and Straight Attachments

WIPPERMANN

<504> 651 672

- All designs can also be supplied as MARATHON roller chains (maintenance-free)
- For untoleranced dimensions DIN ISO 2768 c applies



Steel Roller Chains (with two-hole bent and straight attachments)

Basic chain		Pitch		Inner width	Inner link width	Outer plate width	Roller Ø	Plate height	Attachment dimensions								
		p		b_1	b_2	b_3	d_1	g	m	D_L	G	I	F	H	I_F	H_F	s
				min.	max.	min.	max.	max.									
No.	Ind.	mm	inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
455	1,20	9,525	3/8	5,72	8,53	8,66	6,35	8,2	18,2	3,2	9,5	9,8	13,2	5,7	9,2	12,6	1,25
462		12,7	1/2	7,75	11,30	11,43	8,51	11,8	23,2	4,5	12,7	13,1	19,0	10,0	14,7	20,3	1,50
501		15,875	5/8	9,65	13,28	13,41	10,16	14,7	28,5	5,5	15,9	16,7	27,0	10,0	17,2	26,7	1,70
513		19,05	3/4	11,68	15,62	15,75	12,07	16,1	34,8	6,6	19,1	18,6	29,0	11,0	18,7	29,0	1,80
548		25,4	1	17,02	25,40	25,60	15,88	21,0	46,5	9,0	25,4	28,9	42,0	18,0	28,6	41,5	3,00
563		31,75	1 1/4	19,56	29,00	29,20	19,05	26,4	55,8	9,0	31,8	33,4	49,0	18,0	30,5	46,0	3,75
596		38,1	1 1/2	25,40	37,90	38,20	25,40	33,4	71,1	11,0	38,1	44,0	64,0	25,0	41,0	60,0	5,00

Stainless Steel Roller Chains (with two-hole bent and straight attachments)

455 RF	1,20	9,525	3/8	5,72	8,53	8,66	6,35	8,2	18,2	3,2	9,5	9,8	13,2	5,7	9,2	12,6	1,25
462 RF		12,7	1/2	7,75	11,30	11,43	8,51	11,8	23,2	4,5	12,7	13,1	19,0	10,0	14,7	20,3	1,60
501 RF		15,875	5/8	9,65	13,28	13,41	10,16	14,7	28,5	5,5	15,9	16,7	27,0	10,0	17,2	26,7	1,70
513 RF		19,05	3/4	11,68	15,62	15,75	12,07	16,1	34,8	6,6	19,1	18,5	29,0	11,0	18,7	29,0	1,80
548 RF		25,4	1	17,02	25,40	25,60	15,88	21,0	46,5	10,0	25,4	28,9	41,8	18,0	28,6	41,5	3,00

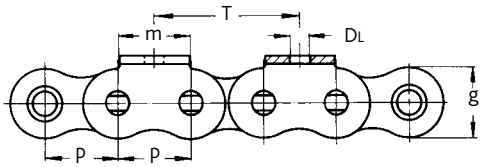
[1] With straight side plates. [20] Can be supplied with or without bore.

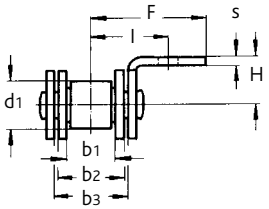
Stainless Steel Attachment Roller Chain

504 672

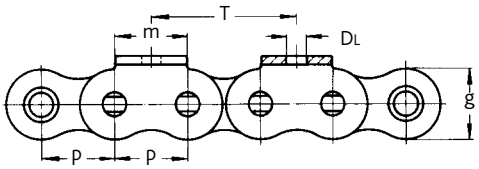
WIPPERMANN

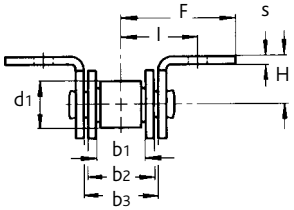
Stainless Steel



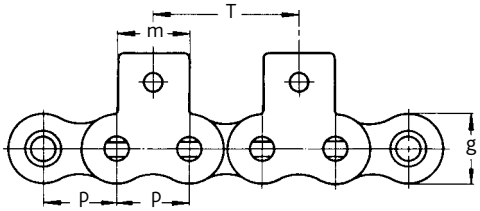


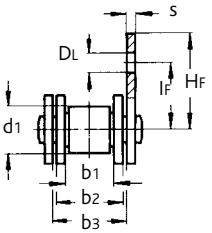
TYPE A (bent attachments, one side)



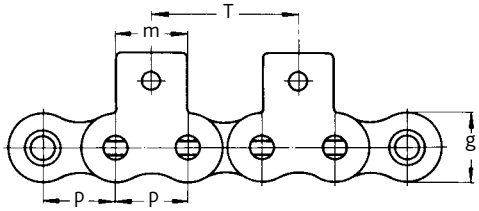


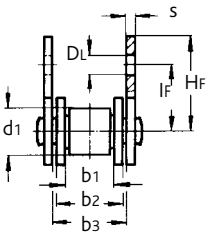
TYPE B (bent attachments, both sides)





TYPE D (straight attachments, one side)





TYPE E (straight attachments, both sides)

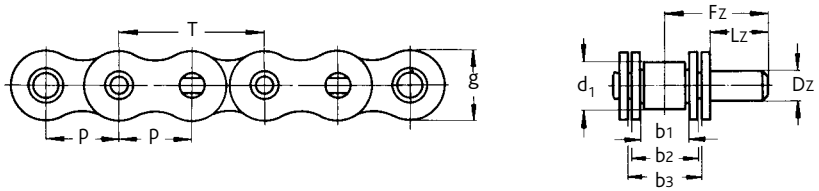
24hr Breakdown available
Customisable product
Product code builder
Compatible product

Stainless Steel Attachment Roller Chain

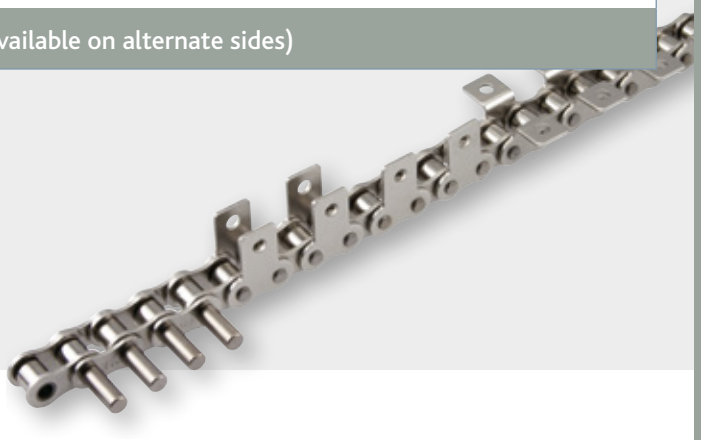
WIPPERMANN

504 672

Stainless Steel



TYPE F (extended pins - available on alternate sides)



- Sprockets made of Stainless Steel or Plastic are available on request.
- For untoleranced dimensions DIN ISO 2768 c applies

Basic chain		Pitch	Inner width	Inner link width	Outer plate width	Roller Ø	Plate height	Attachment dimensions										
		p	b_1	b_2	b_3	d_1	g	m	D_L	l	F	H	l_F	H_F	s	D_Z [19]	L_Z [19]	F_Z [19]
			min.	max.	min.	max.	max.									h9		
No.	Ind.	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
450 RF		8,0	3,00	4,77	4,90	5,00	7,1	8,0	3,2	6,6	12,0	5,0	7,5	13,0	0,80	4,0	10	13,3
455 RF	1,21	9,525	5,72	8,53	8,66	6,35	8,2	8,0	3,5	9,5	13,5	6,5	9,0	13,4	1,25	5,0	15	20,7
331 RF	17	12,7	3,30	5,80	5,93	7,75	9,9	10,5	3,5	9,0	15,1	7,0	11,3	17,7	0,95	5,0	15	19,0
40 RF	21	12,7	7,85	11,15	11,28	7,95	12,0	10,5	3,5	11,8	17,9	7,9	11,5	17,7	1,50	5,0	15	22,2
332 RF	17	12,7	4,88	7,20	7,33	7,75	9,9	10,5	3,5	9,7	15,8	7,0	11,5	17,7	0,95	5,0	15	19,7
462 RF	21	12,7	7,75	11,30	11,43	8,51	11,8	12,5	4,5	13,1	19,0	10,0	14,7	20,3	1,60	6,0	15	22,4
501 RF	21	15,875	9,65	13,28	13,41	10,16	14,7	15,0	5,5	16,7	27,0	10,0	17,2	26,7	1,70	6,5	20	28,5
513 RF	21	19,05	11,68	15,62	15,75	12,07	16,1	18,5	6,6	18,5	29,0	11,0	18,7	29,0	1,80	7,0	20	29,8
548 RF	16,21	25,4	17,02	25,40	25,60	15,88	21,0	25,0	10,0	28,9	41,8	18,0	28,6	41,5	3,00	10,0	30	45,9

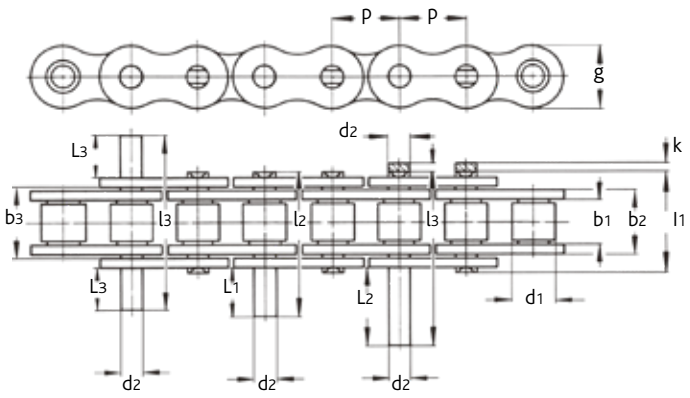
[1] With straight side plates. [16] On inner link s = 4. [17] Can also be supplied with m = 16. [19] Other dimensions available on request.
[21] Also with single hole bent attachments on inner link.

Roller Chains with Extended Pins on One Side/Both Sides

504 651 680

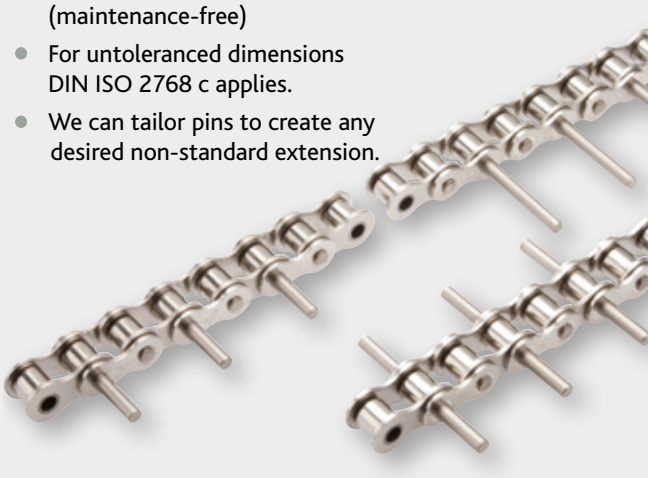
WIPPERMANN

British and American Standard



EXTENDED PIN ON ONE SIDE/BOTH SIDES

- All designs can also be supplied as MARATHON roller chains (maintenance-free)
- For untoleranced dimensions DIN ISO 2768 c applies.
- We can tailor pins to create any desired non-standard extension.



British Standard

Basic chain		Pitch		Inner width	Inner link width	Outer plate width	Roller Ø	Pin Ø	Projection over connecting link	Plate height	Width over pin	Dimensions for extended pin				
												Overall length		Pin extension		
		p		b_1	b_2	b_3	d_1	d_2	k	g	l_1	l_2 [11]	l_3 [12]	L_1	L_2	L_3
				min.	max.	min.	max.	max.	max.	max.	max.	max.	max.	max.	max.	max.
No.	Ind.	mm	inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
450		8	-	3,00	4,77	4,90	5,00	2,31	3,1	7,1	8,6	14,3	19,9	6,3	12,2	6,35
455	1,10	9,525	3/8	5,72	8,53	8,66	6,35	3,28	3,3	8,2	13,5	23,1	33,7	11,0	21,6	11,15
462	10	12,7	1/2	7,75	11,30	11,43	8,51	4,45	3,9	11,8	17,0	30,7	44,9	15,3	29,5	15,3
501	10	15,875	5/8	9,65	13,28	13,41	10,16	5,08	4,1	14,7	19,6	36,2	52,8	18,2	34,8	18
513	10	19,05	3/4	11,68	15,62	15,75	12,07	5,72	4,6	16,1	22,7	41,8	61,3	21,0	40,5	20,9
548	10	25,4	1	17,02	25,40	25,60	15,88	8,28	5,4	21,0	36,0	67,5	99,3	33,6	65,4	33,7
552	10	30	-	17,02	25,40	25,60	15,88	8,28	5,4	21,0	36,0	67,5	99,3	33,6	65,4	33,7
563		31,75	1 1/4	19,56	29,00	29,20	19,05	10,19	6,1	26,4	41,5	78,0	114,7	38,6	75,3	38,7
577		35	-	19,60	27,00	27,20	19,05	10,19	6,1	26,0	38,3	78,0	114,7	41,8	78,5	41,8
596		38,1	1 1/2	25,40	37,90	38,20	25,40	14,63	6,6	33,4	53,0	101,3	149,5	50,5	98,7	50,5
613		44,45	1 3/4	30,99	46,50	46,80	27,94	15,90	7,4	37,0	63,6	122,9	182,9	61,7	121,7	62
652		50,8	2	30,99	45,50	45,80	29,21	17,81	7,9	42,2	63,6	121,7	182	62,2	121,2	62,1

American Standard

35	10	9,525	3/8	4,68	7,47	7,52	5,08	3,59	3,3	9,1	13,2	22,0	32,5	11,0	21,5	11,1
40	10	12,7	1/2	7,85	11,15	11,28	7,95	3,96	3,9	12,0	17,8	30,1	45,2	14,8	29,9	15,35
50	10	15,875	5/8	9,40	13,80	13,93	10,16	5,08	4,1	15,0	20,5	38,7	56,8	19,4	37,5	19,4
60	10	19,05	3/4	12,57	17,70	17,85	11,91	5,94	4,6	18,0	25,4	48,3	71,1	24,2	47,0	24,2
80		25,4	1	15,75	22,50	22,70	15,88	7,92	5,4	24,1	33,5	62,6	92,0	31,3	60,6	31,3
100		31,75	1 1/4	18,90	27,40	27,60	19,05	9,53	6,1	30,1	40,4	76,3	112,2	38,2	74,1	38,2
120		38,1	1 1/2	25,22	35,30	35,60	22,23	11,10	6,6	36,2	50,3	96,1	141,9	48,2	94,0	48,2

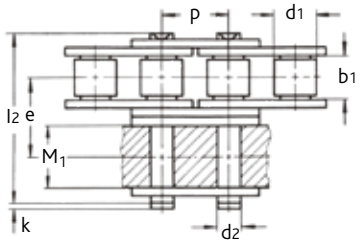
[1] With straight side plates. [10] Can also be supplied in Stainless Steel. [11] Duplex Pin [12] Triplex Pin

24hr Breakdown available
Customisable product
Product code builder
Compatible product

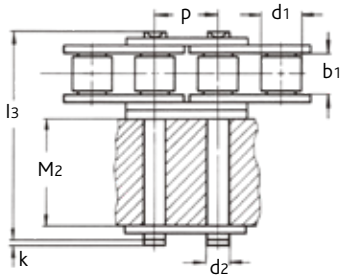
Roller Chains with Extended Pins on One Side/Both Sides

WIPPERMANN

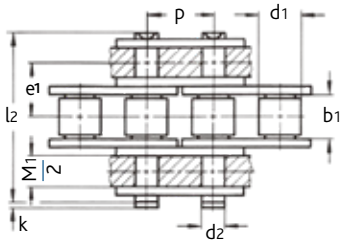
Combination Connecting Links



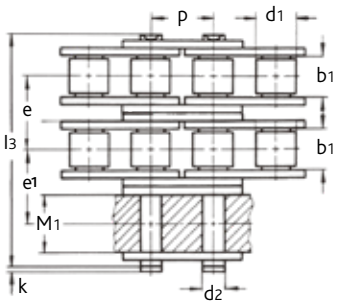
SIMPLEX CHAIN
(with duplex connecting link)



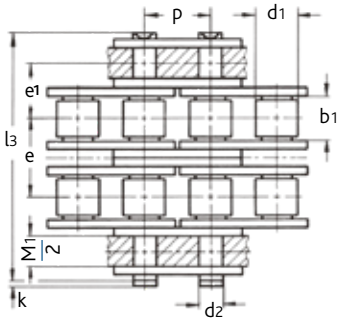
SIMPLEX CHAIN
(with triplex connecting link)



SIMPLEX CHAIN
(with duplex connecting link)



DUPLEX CHAIN
(with triplex connecting link)



DUPLEX CHAIN
(with triplex connecting link)

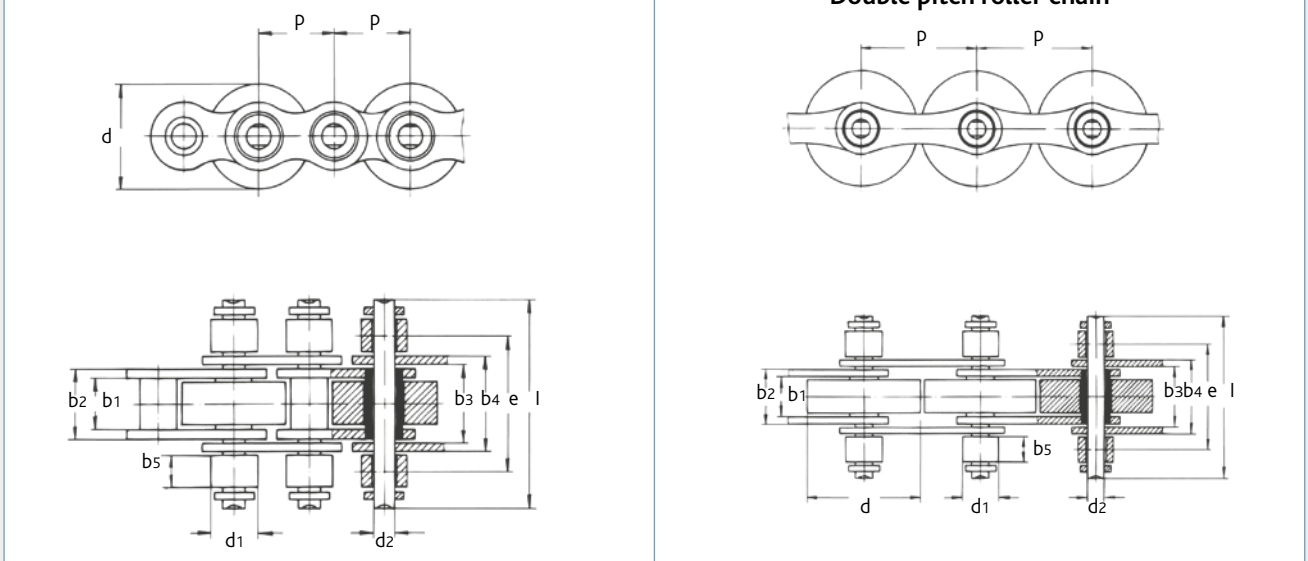
Chain		Pitch		Inner width	Roller Ø	Pin Ø	Transverse pitch		Attachment width		Projection over connecting link	Pin length	
		p		b_1	d_1	d_2	e	e_1	M_1	M_2	k	l_2	l_3
				min.	max.	max.			max.	max.	max.	max.	max.
No.	Ind.	mm	inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
455	10	9,525	3/8	5,72	6,35	3,28	10,24	7,24	8,5	-	3,3	23,8	-
D 455	10	9,525	3/8	5,72	6,35	3,28	10,24	7,24	8,5	-	3,3	-	34,0
462	10	12,7	1/2	7,75	8,51	4,45	13,92	10,10	11,3	25,6	3,9	31,0	-
D 462	10	12,7	1/2	7,75	8,51	4,45	13,92	10,10	11,3	-	3,9	-	44,9
501	10	15,875	5/8	9,65	10,16	5,08	16,59	11,62	13,3	30,0	4,1	36,2	-
D 501	10	15,875	5/8	9,65	10,16	5,08	16,59	11,62	13,3	-	4,1	-	52,8
513	10	19,05	3/4	11,68	12,07	5,72	19,46	13,63	15,6	34,8	4,6	42,2	-
D 513	10	19,05	3/4	11,68	12,07	5,72	19,46	13,63	15,6	-	4,6	-	61,7
548	10	25,4	1	17,02	15,88	8,28	31,88	22,30	25,4	56,8	5,4	68,0	-
D 548	10	25,4	1	17,02	15,88	8,28	31,88	22,30	25,4	-	5,4	-	99,9

[10] Can also be supplied in Stainless Steel. All designs can also be supplied as MARATHON roller chains (maintenance-free).
For untoleranced dimensions DIN ISO 2768 c applies.

Accumulator Chains in Steel

WIPPERMANN

Accumulator Chain



DESIGN E | DESIGN L

Chain		Pitch		Inner width	Inner link width	Width between outer plates	Width over outer plates	Support roller Ø	Pin Ø	Transverse pitch	Plate height	Width over pin	Support roller width
		p	Design	b_1	b_2	b_3	b_4	d_1	d_2	e	g	l	b_5
				min.	max.	min.	max.		max.		max.	max.	max.
No.	Ind.	mm		mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
513 SF		19,05	E	11,68	15,62	15,80	20,0	12,00	5,72	31,50	16,1	48,0	11,5
548 SF		25,4	E	17,02	25,45	25,81	32,0	15,88	8,28	44,50	21,0	65,0	12,5
722 SF		38,1	L	11,68	15,62	15,80	20,0	12,00	5,72	31,50	16,1	48,0	11,5
728 SF		50,8	L	17,02	25,45	25,81	32,0	15,88	8,28	44,50	21,0	65,0	12,5
D 513 SF		19,05	D	11,68	15,62	15,80	20,0	12,07	5,72	52,00	16,1	68,0	11,5
D 548 SF		25,4	D	17,02	25,45	25,81	32,0	15,88	8,28	76,76	21,0	97,0	12,5
T 455 SF	27	9,525	T	5,72	8,53	-	-	6,35	3,28	20,48	8,2	34,0	-
T 513 SF		19,05	T	11,68	15,62	15,80	20,0	12,07	5,72	38,92	16,1	61,7	-
T 548 SF		25,4	T	17,02	25,45	25,81	32,0	15,88	8,28	63,76	21,0	99,9	-

[27] Different from the drawing: No inner links in the middle strand, Roller width: 8,5 mm.

Sprockets are available for all accumulator chains. Connecting links with securing circlips - Our connecting links always have the same length l as the ordinary pins.
Temperature range: - 30 to 100°C for Steel conveyor rollers, - 10 to 60°C for Plastic conveyor rollers.

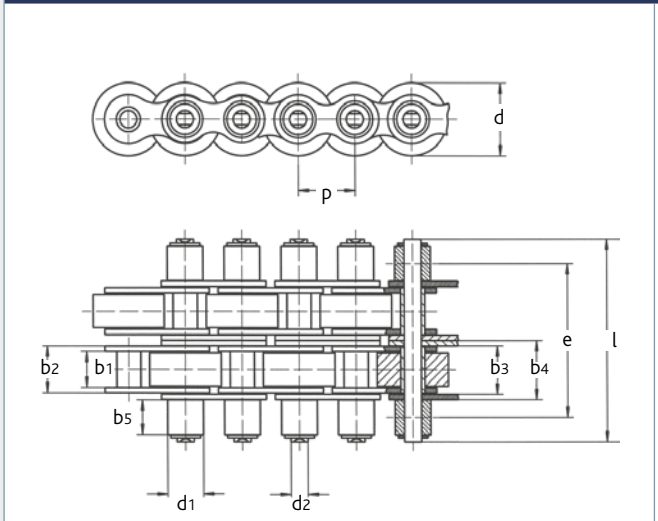
NB: Some of the items on these pages may be non-stock. Please contact our Sales Department for confirmation.

Accumulator Chains in Steel

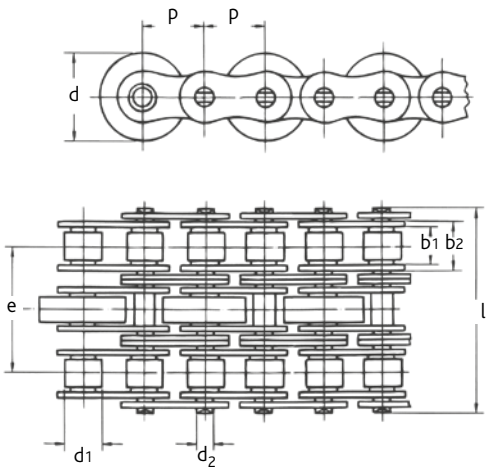
WIPPERMANN

‹504›

Accumulator Chain



DESIGN D



DESIGN T

	Width over pin type I	Support roller width	Width over pin type II	Support roller roller	Conveyor rollers						Breaking load	Maximum load per m conveyor chain with 10m conveyor length	
					Designation for material			Diameter					
									type I	type II			
	l	b_5	l	b_5	Steel	PA 6.6	Vestamide	d	d	d	F_B	Steel	Plastic
	max.	max.	max.	max.							min.		
	mm	mm	mm.	mm				mm	mm	mm	kN	kg	kg
	43,0	9,0	40,0	7,5	SF	SFK	SFV	24,0	26,0	28,0	29,00	300	260
	-	-	-	-	SF	SFK	SFV	38,5	-	-	60,00	600	500
	-	-	-	-	SF	SFK	SFV	24,0	26,0	28,0	29,00	300	260
	-	-	-	-	SF	SFK	SFV	38,5	40,0	50,0	60,00	600	500
	-	-	-	-	SF	SFK	SFV	24,0	26,0	28,0	57,80	600	520
	-	-	-	-	SF	SFK	SFV	38,5	-	-	120,00	1200	1000
	-	-	-	-	SF	SFK	SFV	9,2	15,0	-	16,80	100	100
	-	-	-	-	SF	SFK	SFV	24,0	26,0	28,0	60,00	600	260
	-	-	-	-	SF	SFK	SFV	38,5	-	-	120,00	1200	500

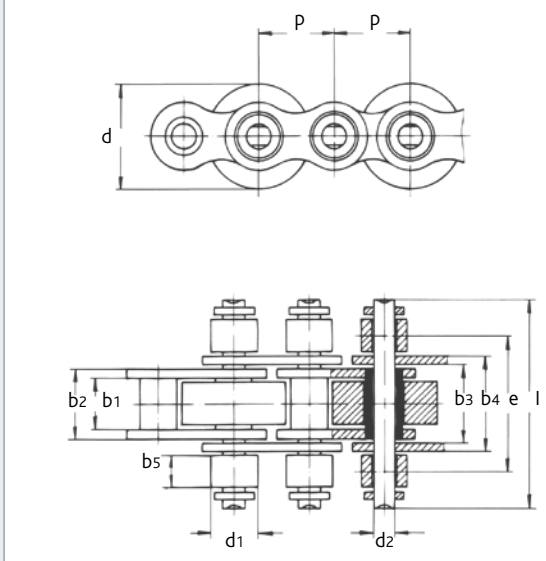
The load per m applies for 10m conveyor distance per double chain strand. The load may be proportionally increased for shorter chain strands and must be proportionally decreased for longer conveyor distances: e.g. 5m conveyor distance = double load, 20m conveyor distance = half load. Maximum conveyor distances 25 - 30m. The installation of guide plates is recommended as of 15m.

NB: Some of the items on these pages may be non-stock. Please contact our Sales Department for confirmation.

Accumulator Chains in Stainless Steel

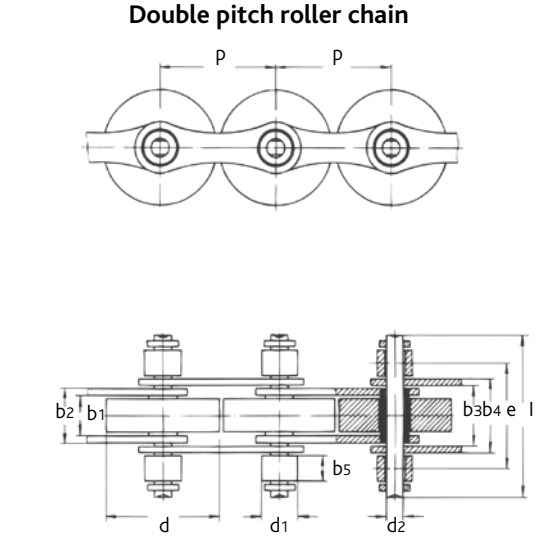
WIPPERMANN

Accumulator Chain



DESIGN E

Double pitch roller chain



DESIGN L

Chain	Pitch		Inner width	Inner link width	Width between outer plates	Width over outer plates	Support roller Ø	Pin Ø	Transverse pitch	Plate height	Width over pin	Support roller width
	p	Design	b_1	b_2	b_3	b_4	d_1	d_2	e	g	l	b_5
			min.	max.	min.	max.		max.		max.	max.	max.
No.	mm		mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
513 SF RF	19,05	E	11,68	15,62	15,80	20,0	12,00	5,72	31,50	16,1	48,0	11,5
548 SF RF	25,4	E	17,02	25,45	25,81	32,0	15,88	8,28	44,50	21,0	65,0	12,5
722 SF RF	38,1	L	11,68	15,62	15,80	20,0	12,00	5,72	31,50	16,1	48,0	11,5
728 SF RF	50,8	L	17,02	25,45	25,81	32,0	15,88	8,28	44,50	21,0	65,0	12,5
T 513 SF RF	19,05	T	11,68	15,62	-	-	12,07	5,72	38,92	16,1	61,7	-
T 548 SF RF	25,4	T	17,02	25,45	-	-	15,88	8,28	63,76	21,0	99,9	-

Sprockets are available for all accumulator chains. Connecting links with securing circlips - Our connecting links always have the same length I as the ordinary pins.
Temperature range: - 30 to 100°C for Steel conveyor rollers, - 10 to 60°C for Plastic conveyor rollers

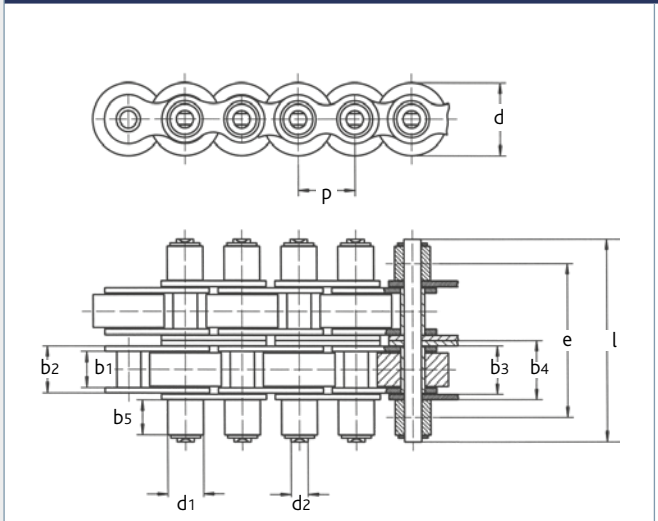
NB: Some of the items on these pages may be non-stock. Please contact our Sales Department for confirmation.

Accumulator Chains in Stainless Steel

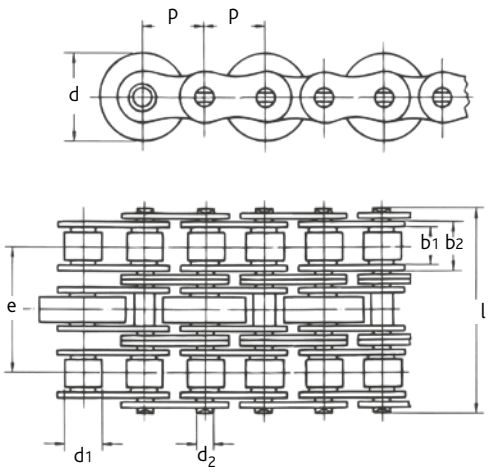
WIPPERMANN

504

Accumulator Chain



DESIGN D



DESIGN T

	Width over pin type I	Support roller width	Width over pin type II	Support roller roller	Conveyor rollers						Breaking load	Maximum load per m conveyor chain with 10m conveyor length	
					Designation for material			Diameter					
									type I	type II			
	l	b_5	l	b_5	Stainless Steel	PA 6.6	Vestamide	d	d	d	F_B	Stainless Steel	Plastic
	max.	max.	max.	max.							min.		
	mm	mm	mm.	mm				mm	mm	mm	kN	kg	kg
	43,0	9,0	40,0	7,5	SF RF	SFK RF	SFV RF	24,0	26,0	28,0	18,50	200	200
	-	-	-	-	SF RF	SFK RF	SFV RF	38,5	-	-	40,00	300	300
	-	-	-	-	SF RF	SFK RF	SFV RF	24,0	26,0	28,0	18,50	200	200
	-	-	-	-	SF RF	SFK RF	SFV RF	38,5	40,0	50,0	40,00	300	300
	-	-	-	-	SF RF	SFK RF	SFV RF	24,0	26,0	28,0	31,45	400	400
	-	-	-	-	SF RF	SFK RF	SFV RF	38,5	-	-	68,00	600	600

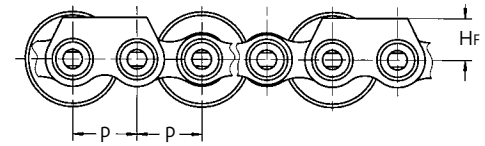
The load per m applies for 10m conveyor distance per double chain strand. The load may be proportionally increased for shorter chain strands. and must be proportionally decreased for longer conveyor distances: e.g. 5m conveyor distance = double load, 20m conveyor distance = half load. Maximum conveyor distances 25 - 30m. The installation of guide plates is recommended as of 15m.

NB: Some of the items on these pages may be non-stock. Please contact our Sales Department for confirmation.

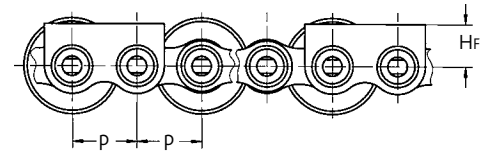
Accumulator Chains

WIPPERMANN

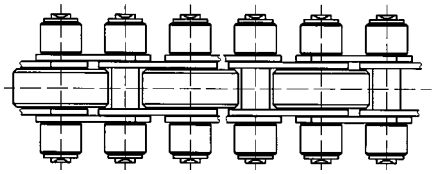
Accumulator Chain



513 SF



548 SF



DESIGN E

Design with guide plates

The guide plate distance is an even multiple of the pitch, e.g. T = 4 p

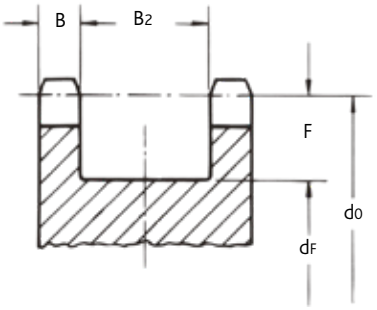
Chain No.	p (mm)	HF (mm)
513 SF	19,05	12,6 ± 0,1
548 SF	25,40	18,0 ± 0,1

Axial profile of sprockets for accumulator chains

Chain No.	B (mm)	B2 (mm)	F (mm)
T455	5,2	15,3	8,0
513 SF	10,6	20,8	16,0
D513 SF	10,6	42,0	16,0
T513 SF	10,8	28,2	16,0
548 SF	12,0	33,0	22,0
D548 SF	12,0	66,0	22,0
T548 SF	15,8	48,0	22,0
722 SF	10,6	20,8	16,0
728 SF	12,0	33,0	27,0

$d_F = d_0 - 2\,F$

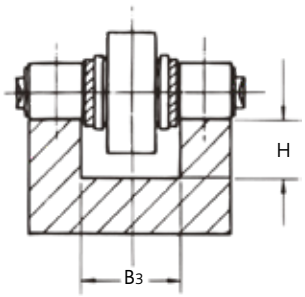
$F = \frac{d}{2} + 2$



Sprockets are available for all accumulator chains.

Chain guide for accumulator chains

Chain No.	B3 (mm)	H (mm)
513 SF	20,8	15,0
513 SFK	20,8	15,0
D513 SF	40,5	15,0
548 SF	33,0	20,0
D548 SF	66,0	20,0
722 SF	20,8	15,0
728 SF	33,0	27,0



Different designs, roller diameters and pin lengths are available on request.

NB: Some of the items on these pages may be non-stock. Please contact our Sales Department for confirmation.

AFS-clips for optimal equipment and finger protection

WIPPERMANN

Accumulator chain AFS - for optimal equipment and finger protection!

Accumulator chains have a conveyor roller on every other pitch, which is necessary to allow the product to be conveyed and ensure the smooth running of the chain under the product, during accumulation, without damaging it.

The chain link between the conveyor rollers leaves a large gap, into which small parts might fall and damage the chain or the conveyor system. Depending on the application type, there is also the danger of fingers being able to reach into these gaps and cause injury.

An accumulator chain with AFS clips ensures a trouble-free operation of conveyor and assembly systems and contributes considerably to operational safety, according to the statutory machinery directives. This is due to the flat design of the AFS clip, the gap between the conveyor rollers is completely covered.

The two-piece clip is mounted by snapping it onto the inner link bushing, thus covering the danger zone in the bending range of the chain. Dual-way bending, i.e. with omega drives, is also still possible.

Depending on the application type, conveyor rollers with different diameters made of various materials (Steel, PA 6.6, PA 12 antistatic) can be supplied.

- Accumulator chains can also be supplied in Stainless Steel, as maintenance-free MARATHON chains, as well as in duplex or triplex designs.
- Prevents small parts from entering into gaps between conveyor rollers
- Increases operator safety
- Covers the danger zone in the chain bending range, as well as dual-way bending (i.e. with omega drives)
- Can be supplied in different diameters and in various materials

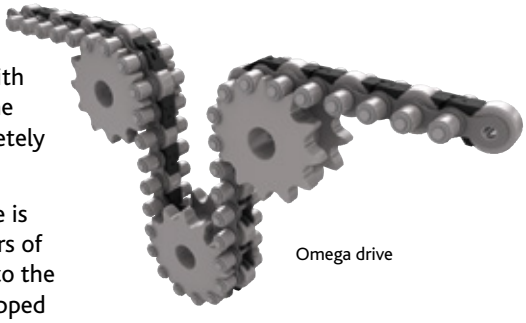


Retrofitting for safety

Wippermann AFS clips are manufactured for standard accumulator chains with conveyor roller diameters of 24 mm and 26 mm. Due to the flat design of the AFS clip the construction-related gap between the conveyor rollers is completely closed. Hence equipment and finger protection is considerably increased.

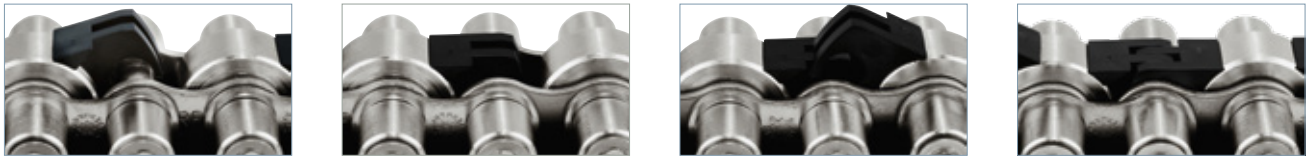
Retrofitting of this innovative and easily mountable protective safety feature is possible for every standard accumulator chain, with conveyor roller diameters of 24 mm and 26 mm. The two-piece clip is mounted by simply snapping it onto the inner link bushing. No tools are necessary, since the pieces can easily be snapped directly onto the chain from above. The correct position is guaranteed by a clear 'locking in place' of the clip during mounting. Owing to its innovative hinge system it also covers the danger zone in the bending range of the chain and therefore both-way bends, i.e. for omega drives, are possible.

Thus the wear-resistant AFS clips ensure a trouble-free operation of conveyor and assembly systems and contribute considerably to operational safety, according to the statutory machinery directives.



Omega drive

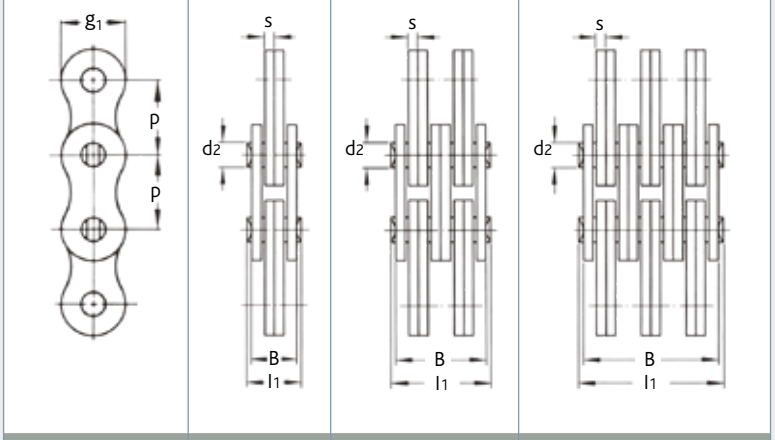
The two-piece clip is mounted by simply snapping it onto the chain bushing of the inner link.



Leaf Chains Type Series LL according to ISO 4347

WIPPERMANN

Leaf Chain



LL | 2X2 | 4X4 | 6X6



Chain		Nominal pitch		Lacing	Width over pins	Width over plates	Pin Ø	Plate thickness	Plate height	Effective length over 100 x pitch*	Bearing area	Breaking load ISO	Weight
	ISO	p			l_1	B	d_2	s	g_1		f	F_B	q
					max.	max.	max.		max.		≈	min.	≈
No.	No.	mm	inch		mm	mm	mm	mm	mm	mm	cm²	kN	kg/m
F 122	LL 0822	12,7	1/2	2 x 2	9,0	6,4	4,45	1,55	10,7	1260	0,138	18,0	0,39
F 124	LL 0844	12,7	1/2	4 x 4	15,2	12,8	4,45	1,55	10,7	1260	0,276	36,0	0,74
F 126	LL 0866	12,7	1/2	6 x 6	21,4	19,0	4,45	1,55	10,7	1260	0,414	54,0	1,10
F 152	LL 1022	15,875	5/8	2 x 2	10,0	7,2	5,08	1,65	12,6	1580	0,175	26,0	0,50
F 154	LL 1044	15,875	5/8	4 x 4	17,1	14,5	5,08	1,65	12,6	1580	0,349	50,0	0,96
F 156	LL 1066	15,875	5/8	6 x 6	24,1	21,5	5,08	1,65	12,6	1580	0,524	78,0	1,39
F 192	LL 1222	19,05	3/4	2 x 2	10,7	7,8	5,72	1,83	14,7	1892	0,209	33,0	0,59
F 194	LL 1244	19,05	3/4	4 x 4	18,1	15,2	5,72	1,83	14,7	1892	0,419	66,0	1,15
F 196	LL 1266	19,05	3/4	6 x 6	25,4	22,6	5,72	1,83	14,7	1892	0,628	99,0	1,70
F 194 S	-	19,05	3/4	4 x 4	21,0	18,6	5,98	2,25	14,7	1905	0,515	76,5	1,40
F 196 S	-	19,05	3/4	6 x 6	31,5	27,8	5,98	2,25	14,7	1905	0,772	115,0	2,10
F 252	LL 1622	25,4	1	2 x 2	17,2	12,8	8,28	3,00	21,1	2532	0,500	70,0	1,56
F 254	LL 1644	25,4	1	4 x 4	29,3	25,6	8,28	3,00	21,1	2532	0,994	140,0	3,04
F 256	LL 1666	25,4	1	6 x 6	41,3	37,5	8,28	3,00	21,1	2532	1,490	210,0	4,53
F 312	LL 2022	31,75	1 1/4	2 x 2	20,3	16,0	10,19	3,75	25,4	3170	0,750	105,0	2,01
F 314	LL 2044	31,75	1 1/4	4 x 4	36,5	32,0	10,19	3,75	25,4	3170	1,500	210,0	3,93
F 316	LL 2066	31,75	1 1/4	6 x 6	51,5	48,0	10,19	3,75	25,4	3170	2,250	315,0	5,86
F 382	LL 2422	38,1	1 1/2	2 x 2	26,5	21,0	14,63	5,00	33,4	3797	1,460	175,0	4,18
F 384	LL 2444	38,1	1 1/2	4 x 4	46,5	42,0	14,63	5,00	33,4	3797	2,930	350,0	8,48
F 386	LL 2466	38,1	1 1/2	6 x 6	67,5	62,0	14,63	5,00	33,4	3797	4,390	525,0	12,20
F 502	LL 3222	50,8	2	2 x 2	30,5	25,0	17,81	6,00	43,0	5070	2,140	265,0	6,73
F 504	LL 3244	50,8	2	4 x 4	54,5	50,0	17,81	6,00	43,0	5070	4,280	530,0	13,10
F 506	LL 3266	50,8	2	6 x 6	80,5	74,0	17,81	6,00	43,0	5070	6,420	800,0	19,50
F 508	LL 3288	50,8	2	8 x 8	105,5	99,0	17,81	6,00	43,0	5070	8,560	1050,0	25,80
F 501	LL 3110	50,8	2	10 x 10	130,0	123,0	17,81	6,00	43,0	5070	10,850	1330,0	31,56
F 632	LL 4022	63,5	2 1/2	2 x 2	44,7	33,2	22,89	8,00	52,0	6335	3,525	422,0	10,51
F 634	LL 4044	63,5	2 1/2	4 x 4	77,9	65,6	22,89	8,00	52,0	6335	7,050	845,0	20,29
F 636	LL 4066	63,5	2 1/2	6 x 6	111,1	98,0	22,89	8,00	52,0	6335	10,575	1270,0	29,74
F 638	LL 4088	63,5	2 1/2	8 x 8	136,0	130,4	22,89	8,00	52,0	6335	14,100	1690,0	39,30

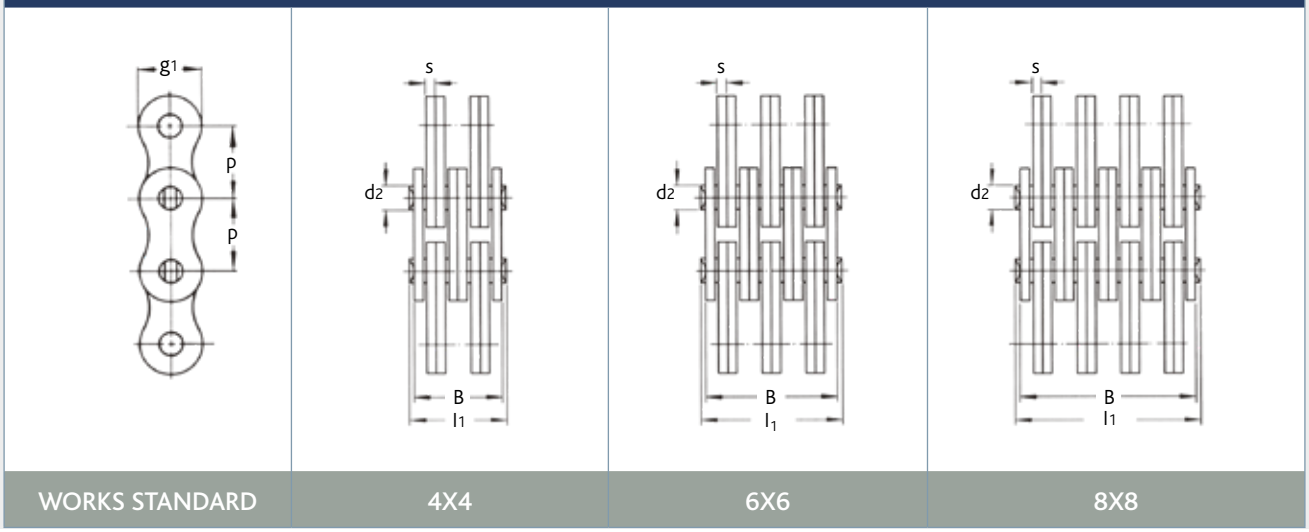
* Chain length tolerance ± 0,25 % of unoiled chain under measuring force.
Abstract from ISO 4347 - Chains may be assembled with chain parts according to ISO 606. Therefore the actual pitch may deviate from the nominal pitch.
The permissible length deviation refers to the length specification of the manufacturer and is ± 0,25 % under the measuring force.

NB: Some of the items on these pages may be non-stock. Please contact our Sales Department for confirmation.

Leaf Chains Works Standard

WIPPERMANN

Leaf Chain



WORKS STANDARD	4X4	6X6	8X8

Works Standard Leaf Chains

Chain	Nominal pitch		Lacing	Width over pins	Width over plates	Pin Ø	Plate thickness	Plate height	Effective length over 100 x pitch*	Bearing area	Breaking load	Weight
	p			l_1	B	d_2	s	g_1		f	F_B	q
				max.	max.	max.		max.		≈	min.	≈
No.	mm	inch		mm	mm	mm	mm	mm	mm	cm²	kN	kg/m
FU 154	15,875	5/8	4 x 4	17,1	14,5	5,08	1,65	14,4	1596	0,350	52,0	1,2
FU 156	15,875	5/8	6 x 6	24,1	21,5	5,08	1,65	14,4	1596	0,524	78,0	1,8
FU 158	15,875	5/8	8 x 8	30,9	28,0	5,08	1,65	14,4	1596	0,699	102,0	2,3
FU 156 S	15,875	5/8	6 x 6	27,5	25,0	5,08	2,05	14,7	1596	0,625	83,5	2,1
FU 194	19,05	3/4	4 x 4	18,1	15,2	5,72	1,83	16,1	1907	0,419	66,0	1,4
FU 196	19,05	3/4	6 x 6	25,4	22,6	5,72	1,83	16,1	1907	0,628	99,0	2,3
FU 196 S	19,05	3/4	6 x 6	31,7	28,8	6,50	2,35	18,1	1907	0,917	130,0	2,9
FU 254	25,4	1	4 x 4	29,3	25,6	8,28	3,00	23,0	2550	0,994	140,0	3,5
FU 256	25,4	1	6 x 6	41,3	37,5	8,28	3,00	23,0	2550	1,490	210,0	5,0
FU 258	25,4	1	8 x 8	53,1	49,0	8,28	3,00	23,0	2550	1,987	280,0	6,8

* Chain length tolerance ± 0,25 % of unoiled chain under measuring force.

Works Standard U Design Heavy Duty Leaf Chains

F 384 U	38,1	1 1/2	4 x 4	53,2	42,0	14,63	5,00	33,4	3802	2,926	354,0	9,1
F 386 U	38,1	1 1/2	6 x 6	75,2	62,0	14,63	5,00	33,4	3802	4,389	540,0	12,5
F 388 U	38,1	1 1/2	8 x 8	94,2	83,0	14,63	5,00	33,4	3802	5,852	700,0	16,5
F 504 U	50,8	2	4 x 4	60,2	50,0	17,81	6,00	43,0	5073	4,274	530,0	13,5
F 506 U	50,8	2	6 x 6	87,2	74,0	17,81	6,00	43,0	5073	6,412	800,0	20,0
F 508 U	50,8	2	8 x 8	111,2	99,0	17,81	6,00	43,0	5073	8,549	1050,0	26,5
F 501 U	50,8	2	10 x 10	135,0	123,0	17,81	6,00	43,0	5073	10,686	1330,0	33,1
F 634 U	63,5	2 1/2	4 x 4	81,2	70,0	22,89	8,00	52,0	6340	5,494	845,0	19,4
F 636 U	63,5	2 1/2	6 x 6	112,2	101,0	22,89	8,00	52,0	6340	10,990	1270,0	29,1
F 638 U	63,5	2 1/2	8 x 8	146,0	135,0	22,89	8,00	52,0	6340	14,650	1690,0	38,8

* Chain length tolerance ± 0,25 % of unoiled chain under measuring force.

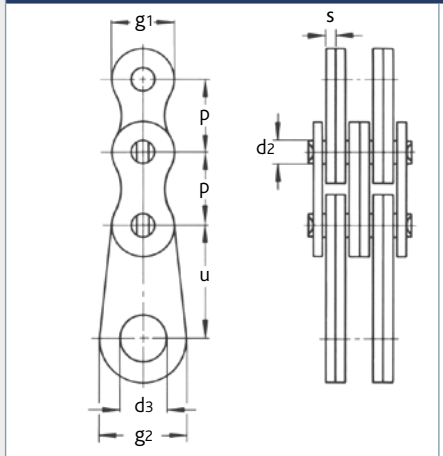
With Heavy Series U chains all plates are mounted with a sliding fit and are also secured with laterally attached riveted washers. This design guarantees an even load distribution and reduces the bending load of the pin. These chains have been designed to transport heavy loads under harsh conditions. They are particularly suitable for such applications due to their high fatigue strength.

NB: Some of the items on these pages may be non-stock. Please contact our Sales Department for confirmation.

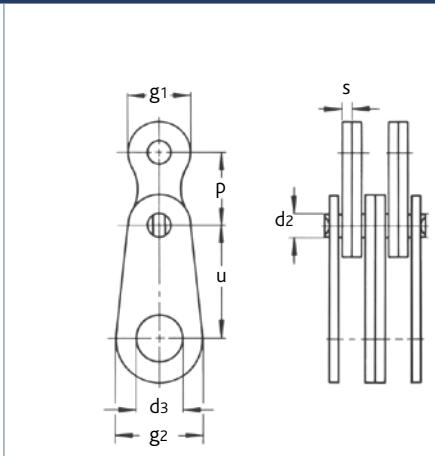
Plate end links and connecting pins for leaf chains

WIPPERMANN

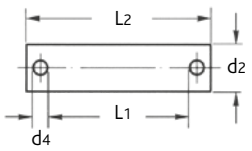
Plate end links and connecting pins



INNER END LINK 4 x 4



OUTER END LINK 4 x 4



CONNECTING PIN

Chain	Nominal pitch		End plates								Connecting pins							
											2 x 2		4 x 4		6 x 6		8 x 8	
	p		u	d_2	d_3	g_1	g_2	s	d_2	d_4	L_1	L_2	L_1	L_2	L_1	L_2	L_1	L_2
No.	mm	inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
F 12	12,7	1/2	30	4,45	10,0	10,5	20	1,55	4,45	1,6	6,8	13,0	13,6	19,8	20,4	26,6	-	-
F 15	15,875	5/8	30	5,08	10,0	12,5	20	1,70	5,08	1,6	7,4	13,6	14,8	21,0	21,8	28,0	-	-
F 19	19,05	3/4	30	5,72	10,0	14,5	20	1,80	5,72	1,6	8,0	14,2	15,4	21,6	22,9	29,1	-	-
F 25	25,4	1	45	8,28	16,0	21,0	35	3,00	8,28	3,4	13,0	23,8	25,9	36,7	38,0	48,8	51,0	61,8
F 31	31,75	1 1/4	45	10,19	16,0	24,5	35	3,80	10,19	3,4	16,4	27,2	32,4	43,2	48,5	59,3	64,8	75,6
F 38	38,1	1 1/2	60	14,63	26,0	33,0	50	5,00	14,63	4,2	21,3	33,7	42,4	54,8	63,5	75,9	84,8	97,2
F 50	50,8	2	70	17,81	36,0	43,0	70	6,00	17,81	4,2	25,5	37,9	50,5	62,9	75,5	87,9	100,7	113,0
F 63	63,5	2 1/2	90	22,89	45,0	52,0	80	8,00	22,89	5,2	-	-	66,4	86,8	99,6	120,0	132,8	153,2
FU 12	12,7	1/2	30	4,45	10,0	11,5	20	1,55	4,45	1,6	-	-	13,6	19,8	20,4	26,6	-	-
FU 15	15,875	5/8	30	5,08	10,0	14,5	20	1,70	5,08	1,6	-	-	14,8	21,0	21,8	28,0	28,3	34,5
FU 15 S	15,875	5/8	20	5,08	8,3	14,7	18	2,00	5,08	1,6	-	-	-	-	30,9	37,5	-	-
FU 19	19,05	3/4	30	5,72	10,0	15,4	20	1,80	5,72	1,6	-	-	15,4	21,6	22,9	29,1	-	-
FU 19 S	19,05	3/4	25	6,50	10,3	18,0	20	2,30	6,50	1,6	-	-	19,6	25,8	29,3	35,5	-	-
FU 25	25,4	1	45	8,28	16,0	21,0	35	3,00	8,28	3,4	-	-	25,9	36,7	38,0	48,8	51	61,8
F 38 U	38,1	1 1/2	60	14,63	26,0	33,0	50	5,00	14,63	4,2	-	-	48,4	61,0	70,0	82,4	90,8	103,2
F 50 U	50,8	2	70	17,81	36,0	43,0	70	6,00	17,81	4,2	-	-	56,5	68,9	81,5	93,9	106,8	119,2
F 63 U	63,5	2 1/2	90	22,89	45,0	52,0	80	8,00	22,89	5,2	-	-	72,4	92,8	105,6	126,0	138,8	159,2

Other dimensions on request. Leaf chains are only supplied with end links on customers' request.
The design with either outer or inner end link must be stated in the order.
Designation of a leaf chain design A with 25,4 mm pitch, combination 4 x 4, 45 normal links and end links on both sides: F 254 A x 45

Design of chain ends - Only the normal links are counted

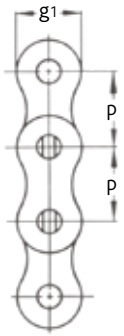
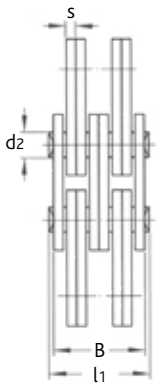
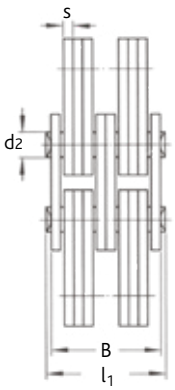
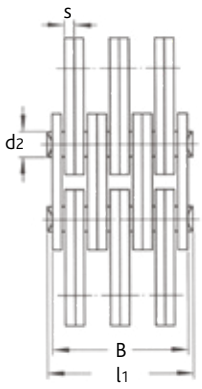
A Both sides with inner end links (odd number of links)
B Both sides with outer end links (odd number of links)
C One side with inner end link, other side with outer end link (even number of links)
D One side with inner end link, other side with inner link (even number of links)
E One side with outer end link, other side with outer link (even number of links)
F One side with inner end link, other side with outer link (odd number of links)
G One side with outer end link, other side with inner link (odd number of links)
H Both sides with inner links (odd number of links)
I Both sides with outer links (odd number of links)
K One side with inner link, other side with outer link (even number of links)

NB: Some of the items on these pages may be non-stock. Please contact our Sales Department for confirmation.

Leaf chains type series BL

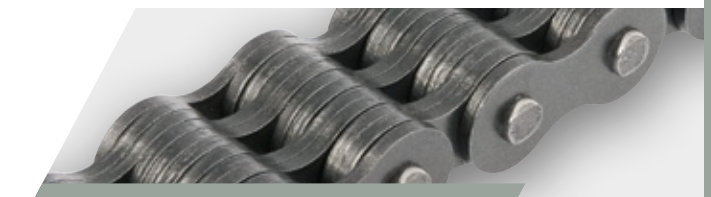
WIPPERMANN

504

Leaf Chain			
			
BL	4x4	4x6	6x6

Chain		Nominal pitch		Lacing	Width over pins	Width over plates	Pin Ø	Plate thickness	Plate height	Effective length over 100 x pitch*	Bearing area	Breaking load ISO	Weight
	ISO	p			l_1	B	d_2	s	g_1		f	F_B	q
					max.	max.	max.		max.		≈	min.	≈
No.	No.	mm	inch		mm	mm	mm	mm	mm	mm	cm²	kN	kg/m
BL 544	LH 1044	15,875	5/8	4 x 4	22,7	20,0	5,95	2,46	15,1	1592	0,57	66,8	1,86
BL 546	LH 1046	15,875	5/8	4 x 6	27,7	24,8	5,95	2,46	15,1	1592	0,86	66,8	2,32
BL 566	LH 1066	15,875	5/8	6 x 6	32,1	29,7	5,95	2,46	15,1	1592	0,86	100,2	2,77
BL 844	LH 1644	25,4	1	4 x 4	37,9	33,2	9,53	4,06	24,0	2544	1,49	169,0	4,72
BL 846	LH 1646	25,4	1	4 x 6	46,1	41,4	9,53	4,06	24,0	2544	2,23	169,0	5,88
BL 866	LH 1666	25,4	1	6 x 6	54,4	49,4	9,53	4,06	24,0	2544	2,23	253,6	7,04

* Chain length tolerance ± 0,25 % of unoiled chain under measuring force.



See **Witra Leaf Chain – Page 640**

TYC Chains



ASIAN VALUE

BS AND ASA ROLLER CHAIN

HEAVY DUTY VARIANTS

ATTACHMENT CHAIN

SIDEBOW CHAIN

SNAP-ON AND
SELF-LUBE CHAIN



TYC CHAINS

TYC are one of the foremost international manufacturers of quality chain

Introduction

TYC are one of the foremost international manufacturers of quality chain with factories in Taiwan, Thailand and China having manufactured chain for over 50 years.

With over 500 employees, the most modern manufacturing facilities and in-house material processing, all products are manufactured in strict accordance with international standards and with ISO 9001 accreditation.

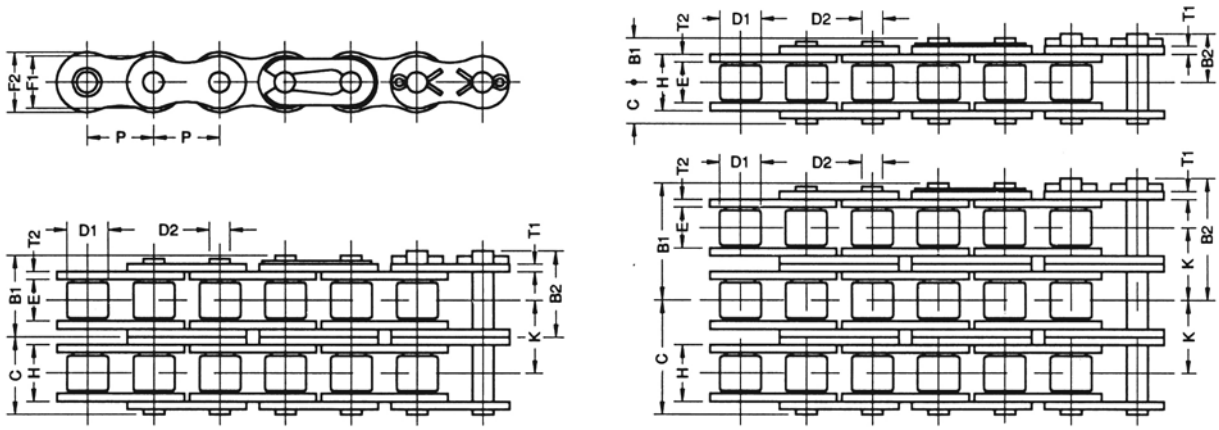
Standard TYC roller chain has built-in benefits

- ISO 9001 Accreditation
- Lubricated ready for use
- Pre-stressed
- Shot peened stress relieved side plates
- Seam orientated bushes
- Cold headed seamless rollers

Product	Standards	Specialities
ISO Roller chain	ISO Standard from 04 to 32B-3	Attachment chain
ANSI Roller chain	ANSI Standard from 25 to 200-3	Heavy Duty Chain Double Pitch Chain, "C" Type Chain Side Bow Chain Snap-On Top Chain Self-Lubricating Chain Hollow Pin Chain Rollerless Chain Nickel Plated Chain, Stainless Steel Chain
Leaf chain	From AL322 to AL1266 From LL-1022 to LL-2066 From BL-423 to BL-1466	End pins and anchors
Attachment chain	Any standard roller chain	Attachments: A1, K1, M35, M1, WA1, WK1,WA2, WK2, WM35, WM1, WM35-2, WM2 and many others
Bicycle & motorcycle chain	410, 415, 510, 515 (Bicycle) 415B, 415H, 420, 428, 428H, 520,520H, 530, 530H (motorcycle)	423 Chain (motorcycle)

BS 04, 05B, 06B, 08B, 10B, 12B, 16B to ISO 606

British Standard



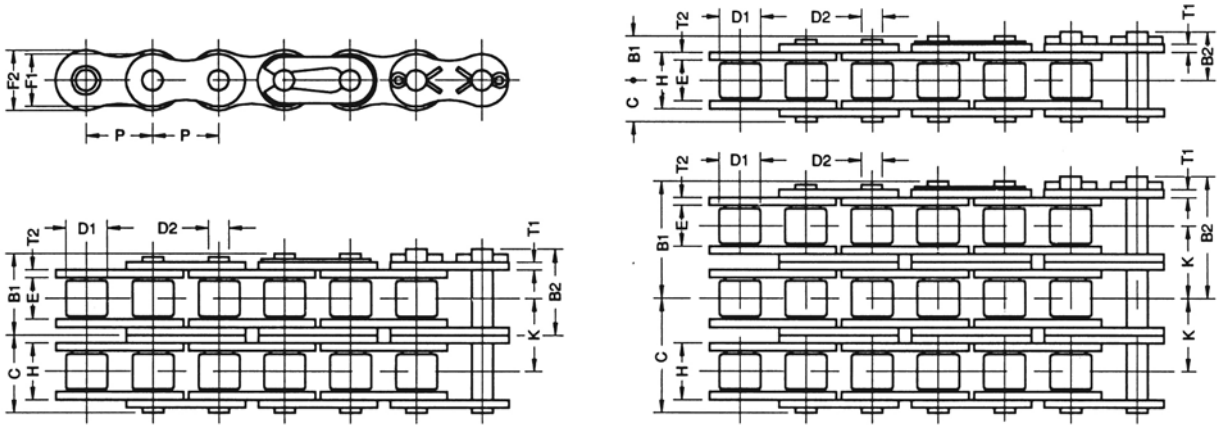
TO ISO 606

Chain no.	Pitch x Width (PxE)		Roller	Pin				Links					Trans-verse pitch	Avg. Ulti. Tensile Strength	Approx. weight	Conn. links
			D1	C	B1	B2	D2	T1	T2	H	F1	F2	K			
	inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kgf	kg/m	
Q04	0.236 x 0.116	6 x 2.8	4.00	3.17	4.56	–	1.85	0.62	0.62	4.10	5.00	5.00	–	330	0.133	A D E F
Q05B	0.315 x 0.118	8 x 3	5.00	3.87	4.82	–	2.31	0.78	0.78	4.77	7.10	7.10	–	520	0.164	ABDEFG
Q06B-1	3/8 x 7/32	9.525 x 5.72	6.35	6.43	7.39	8.14	3.28	1.28	1.28	8.53	8.20	8.20	–	990	0.41	ABDEFG
Q06B-2	3/8 x 7/32	9.525 x 5.72	6.35	11.51	12.41	13.30	3.28	1.0	1.28	8.53	8.20	8.20	10.24	1980	0.74	ABDEFG
Q06B-3	3/8 x 7/32	9.525 x 5.72	6.35	16.63	17.53	18.45	3.28	1.0	1.28	8.53	8.20	8.20	10.24	2970	1.10	ABDEFG
Q08B-1*	1/2 x 5/16	12.7 x 7.75	8.51	8.17	9.17	10.57	4.45	1.49	1.58	11.30	10.92	11.80	–	1980	0.66	ABDEFG
Q08B-2	1/2 x 5/16	12.7 x 7.75	8.51	15.39	16.30	17.60	4.45	1.49	1.58	11.30	10.92	11.80	13.92	3960	1.30	ABDEFG
Q08B-3	1/2 x 5/16	12.7 x 7.75	8.51	22.05	23.05	24.45	4.45	1.49	1.58	11.30	10.92	11.80	13.92	5940	1.95	ABDEFG
Q10B-1*	5/8 x 3/8	15.875x 9.65	10.16	9.78	11.18	12.17	5.08	1.71	1.71	13.28	13.72	14.70	–	2580	0.92	ABDEFG
Q10B-2	5/8 x 3/8	15.875x 9.65	10.16	18.20	19.70	20.70	5.08	1.71	1.71	13.28	13.72	14.70	16.59	5160	1.81	ABDEFG
Q10B-3	5/8 x 3/8	15.875x 9.65	10.16	26.50	28.00	29.20	5.08	1.71	1.71	13.28	13.72	14.70	16.59	7740	2.70	ABDEFG
Q12B-1*	3/4 x 7/16	19.05 x11.68	12.07	11.18	12.28	14.48	5.72	1.86	1.86	15.62	16.10	16.10	–	3225	1.21	ABDEFG
Q12B-2	3/4 x 7/16	19.05 x11.68	12.07	21.16	22.16	23.95	5.72	1.86	1.86	15.62	16.10	16.10	19.46	6450	2.40	ABDEFG
Q12B-3	3/4 x 7/16	19.05 x11.68	12.07	30.85	31.85	33.90	5.72	1.86	1.86	15.62	16.10	16.10	19.46	9675	3.59	ABDEFG
Q16B-1	1 x 0.67	25.40 x17.02	15.88	17.82	20.79	21.69	8.28	3.18	3.99	25.45	21.00	21.00	–	7525	2.66	ABDEFG
Q16B-2	1 x 0.67	25.40 x17.02	15.88	33.68	35.99	37.49	8.28	3.18	3.99	25.45	21.00	21.00	31.88	15050	5.27	ABDEFG
Q16B-3	1 x 0.67	25.40 x17.02	15.88	49.73	52.25	53.53	8.28	3.18	3.99	25.45	21.00	21.00	31.88	22575	7.88	ABDEFG

*Also available in Nickel plated.

BS 20B, 24B & 32B to ISO 606

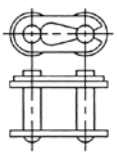
British Standard

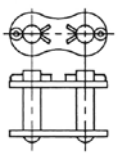


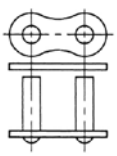
TO ISO 606

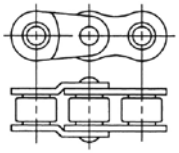
Chain no.	Pitch x Width (PxE)		Roller	Pin				Links					Trans-verse pitch	Avg. Ulti. tensile strength	Approx. weight	Conn. links
			D1	C	B1	B2	D2	T1	T2	H	F1	F2	K			
	inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kgf	kg/m	
Q20B-1	1 1/4 x 0.77	31.75 x19.56	19.05	19.95	–	24.25	10.19	3.18	4.46	29.01	26.40	26.40	–	10000	3.62	BDEFG
Q20B-2	1 1/4 x 0.77	31.75 x19.56	19.05	37.90	–	42.40	10.19	3.18	4.46	29.01	26.40	26.40	36.45	20000	7.16	BDEFG
Q20B-3	1 1/4 x 0.77	31.75 x19.56	19.05	56.25	–	61.25	10.19	3.18	4.46	29.01	26.40	26.40	36.45	30000	10.75	BDEFG
Q24B-1	1 1/2 x 1	38.10 x 25.40	25.40	26.90	–	31.89	14.63	4.80	5.57	37.92	33.40	33.40	–	16700	6.65	BDEFG
Q24B-2	1 1/2 x 1	38.10 x 25.40	25.40	50.50	–	56.34	14.63	4.80	5.57	37.92	33.40	33.40	48.36	29200	13.19	BDEFG
Q24B-3	1 1/2 x 1	38.10 x 25.40	25.40	75.00	–	80.34	14.63	4.80	5.57	37.92	33.40	33.40	48.36	44300	19.69	BDEFG
Q32B-1	2.00 x1.22	50.8 x 30.99	29.21	33.70	–	39.50	17.85	6.00	7.00	45.5	42.2	42.2	–	26000	9.80	BDEFG
Q32B-2	2.00 x1.22	50.8 x 30.99	29.21	63.00	–	68.50	17.85	6.00	7.00	45.5	42.2	42.2	58.55	52000	19.30	BDEFG
Q32B-3	2.00 x1.22	50.8 x 30.99	29.21	92.00	–	97.50	17.85	6.00	7.00	45.5	42.2	42.2	58.55	78000	28.90	BDEFG

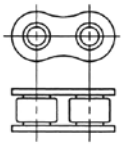
Connecting links

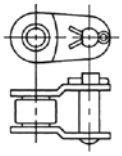

A Spring clip


B Cotter pin


D Rivet link

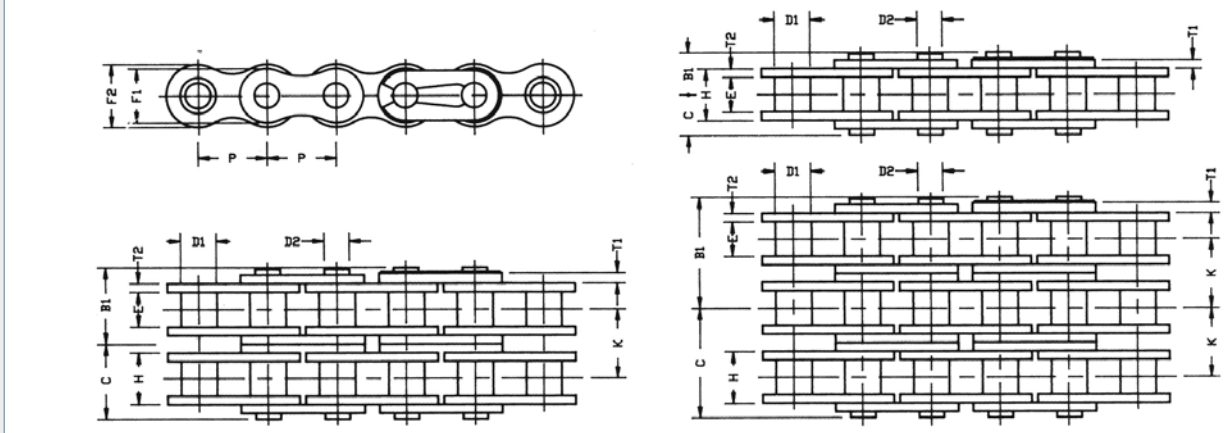

E Double crank


F Roller link


G Crank straight link

ASA 25, 35 to ISO 606

American Standard



TO ISO 606

ASA 25

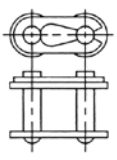
Chain no.	ISO /DIN code	Pitch x Width (P x E)		Bush	Pin			Links					Trans-verse pitch	Avg. Ulti. tensile strength	Approx. weight	Conn. links
				D1	C	B1	D2	T1	T2	H	F1	F2	K			
		inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kgf	kg/m	
Q25-1	04A-1	1/4 x1/8	6.35 x 3.18	3.30	3.89	4.80	2.32	0.76	0.76	4.80	5.01	5.81	-	420	0.13	A D E F
Q25-2	04A-2	1/4 x1/8	6.35 x 3.18	3.30	7.10	8.05	2.32	0.76	0.76	4.80	5.01	5.81	6.40	840	0.25	A D E F
Q25-3	04A-3	1/4 x1/8	6.35 x 3.18	3.30	10.29	11.20	2.32	0.76	0.76	4.80	5.01	5.81	6.40	1260	0.37	A D E F

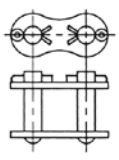
ASA 35

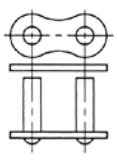
Chain no.	ISO /DIN code	Pitch x Width (P x E)		Bush	Pin				Links						Trans-verse pitch	Avg. ulti. tensile strength	Approx. weight	Conn. links
				D1	C	B1	B2	D2	T1	T2	H	F1	F2		K			
		inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm		mm	kgf	kg/m	
Q35-1	06A-1	3/8 x 3/16	9.525 x 4.78	5.08	5.81	7.01	7.66	3.59	1.28	1.28	7.46	7.80	9.04		–	1050	0.32	ABDEFG
Q35-2	06A-2	3/8 x 3/16	9.525 x 4.78	5.08	11.14	11.88	12.72	3.59	1.28	1.28	7.46	7.80	9.04		10.13	2100	0.63	ABDEFG
Q35-3	06A-3	3/8 x 3/16	9.525 x 4.78	5.08	16.02	17.15	17.84	3.59	1.28	1.28	7.46	7.80	9.04		10.13	3150	0.94	ABDEFG
Q35-4	06A-4	3/8 x 3/16	9.525 x 4.78	5.08	21.02	22.25	22.95	3.59	1.28	1.28	7.46	7.80	9.04		10.13	4200	1.25	ABDEFG

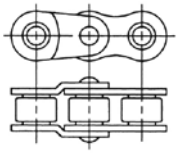
NB: Some of the items on this page may be non-stock. Please contact our Sales Department for confirmation.

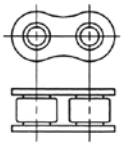
Connecting links

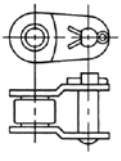

A Spring Clip


B Cotter Pin


D Rivet Link

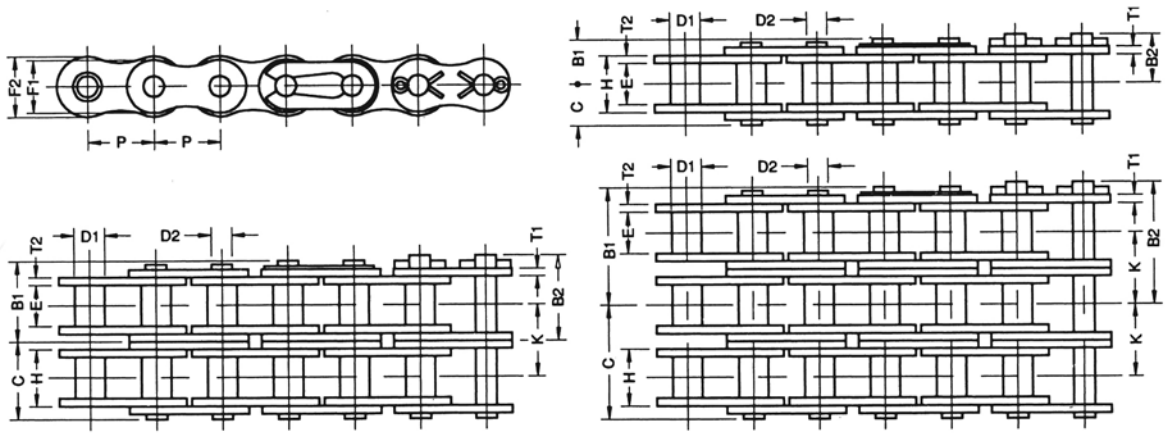

E Double Crank


F Roller Link


G Crank Straight Link

ASA 40, 41 & 50 to ISO 606

American Standard



TO ISO 606

ASA 40

Chain no.	ISO /DIN code	Pitch x Width (P x E)		Roller	Pin				Links					Trans-verse pitch	Avg. ulti. tensile strength	Approx. weight	Conn. links
				D1	C	B1	B2	D2	T1	T2	H	F1	F2	K			
		inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kgf	kg/m	
Q40-1	08A-1	1/2 x 5/16	12.70 x 7.92	7.92	8.16	9.36	10.56	3.98	1.49	1.49	11.17	10.41	12.06	–	1830	0.62	ABDEFG
Q40-2	08A-2	1/2 x 5/16	12.70 x 7.92	7.92	15.39	16.79	17.79	3.98	1.49	1.49	11.17	10.41	12.06	14.38	3660	1.22	ABDEFG
Q40-3	08A-3	1/2 x 5/16	12.70 x 7.92	7.92	22.54	24.04	24.94	3.98	1.49	1.49	11.17	10.41	12.06	14.38	5490	1.82	ABDEFG
Q40-4	08A-4	1/2 x 5/16	12.70 x 7.92	7.92	29.73	31.54	32.14	3.98	1.49	1.49	11.17	10.41	12.06	14.38	7320	2.43	ABDEFG

ASA 41

Chain no.	ISO /DIN code	Pitch x Width (P x E)		Roller	Pin				Links					Trans-verse pitch	Avg. ulti. tensile strength	Approx. weight	Conn. links
				D1	C	B1	B2	D2	T1	T2	H	F1	F2	K			
		inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kgf	kg/m	
Q41-1	041A-1	1/2 x 1/4	12.70 x 6.35	7.77	6.69	8.49	8.49	3.59	1.28	1.28	9.06	8.50	9.90	–	1250	0.41	ABDEFG

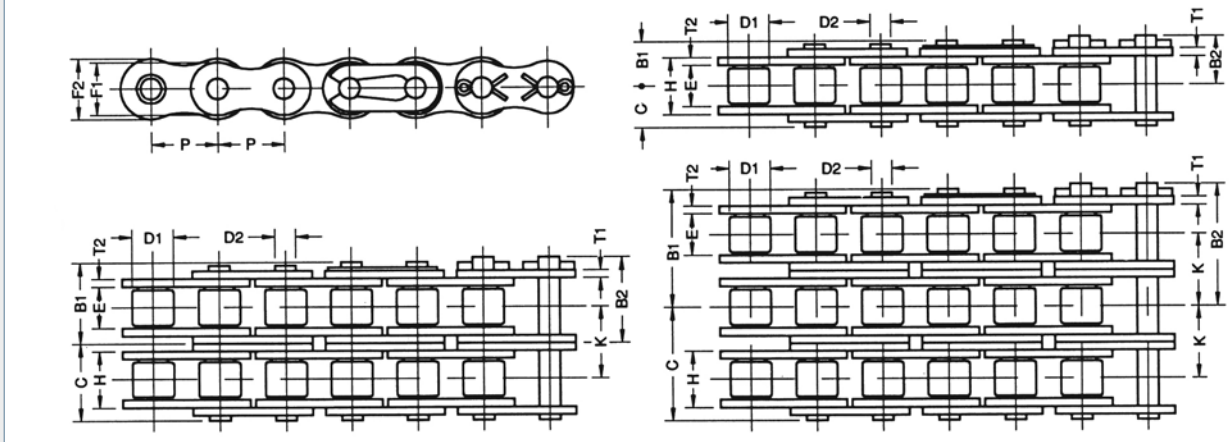
ASA 50

Chain no.	ISO /DIN code	Pitch x Width (P x E)		Roller	Pin				Links					Trans-verse pitch	Avg. ulti. tensile strength	Approx. weight	Conn. links
				D1	C	B1	B2	D2	T1	T2	H	F1	F2	K			
		inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kgf	kg/m	
Q50-1	10A-1	5/8 x 3/8	15.875 x 9.52	10.16	10.15	11.55	12.32	5.09	2.01	2.01	13.84	13.01	15.08	–	3000	1.01	ABDEFG
Q50-2	10A-2	5/8 x 3/8	15.875 x 9.52	10.16	19.10	20.50	21.50	5.09	2.01	2.01	13.84	13.01	15.08	18.11	6000	2.00	ABDEFG
Q50-3	10A-3	5/8 x 3/8	15.875 x 9.52	10.16	28.20	29.90	30.95	5.09	2.01	2.01	13.84	13.01	15.08	18.11	9000	2.98	ABDEFG
Q50-4	10A-4	5/8 x 3/8	15.875 x 9.52	10.16	37.60	38.90	39.70	5.09	2.01	2.01	13.84	13.01	15.08	18.11	12000	3.98	ABDEFG

NB: Some of the items on this page may be non-stock. Please contact our Sales Department for confirmation.

ASA 60 & 80 to ISO 606

American Standard



TO ISO 606

ASA 60

Chain no.	ISO /DIN code	Pitch x Width (P x E)		Roller	Pin				Links					Trans-verse pitch	Avg. ulti. tensile strength	Approx. weight	Conn. links
				D1	C	B1	B2	D2	T1	T2	H	F1	F2	K			
		inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kgf	kg/m	
Q60-1	12A-1	3/4 x 1/2	19.05 x 12.70	11.91	12.63	14.00	15.43	5.96	2.38	2.38	17.75	15.64	18.09	–	4085	1.45	ABDEFG
Q60-2	12A-2	3/4 x 1/2	19.05 x 12.70	11.91	24.00	25.40	26.72	5.96	2.38	2.38	17.75	15.64	18.09	22.78	8170	2.87	ABDEFG
Q60-3	12A-3	3/4 x 1/2	19.05 x 12.70	11.91	35.46	36.86	38.16	5.96	2.38	2.38	17.75	15.64	18.09	22.78	12255	4.28	ABDEFG
Q60-4	12A-4	3/4 x 1/2	19.05 x 12.70	11.91	46.85	48.25	49.57	5.96	2.38	2.38	17.75	15.64	18.09	22.78	16340	5.70	ABDEFG
Q60-1CP	12A-1	3/4 x 1/2	19.05 x 12.70	11.91	12.63	–	15.43	5.96	2.38	2.38	17.75	15.64	18.09	–	4085	1.47	ABDEFG
Q60-2CP	12A-2	3/4 x 1/2	19.05 x 12.70	11.91	24.00	–	26.72	5.96	2.38	2.38	17.75	15.64	18.09	22.78	8170	2.88	ABDEFG
Q60-3CP	12A-3	3/4 x 1/2	19.05 x 12.70	11.91	35.46	–	38.16	5.96	2.38	2.38	17.75	15.64	18.09	22.78	12255	4.30	ABDEFG
Q60-4CP	12A-4	3/4 x 1/2	19.05 x 12.70	11.91	46.85	–	49.57	5.96	2.38	2.38	17.75	15.64	18.09	22.78	16340	5.71	ABDEFG

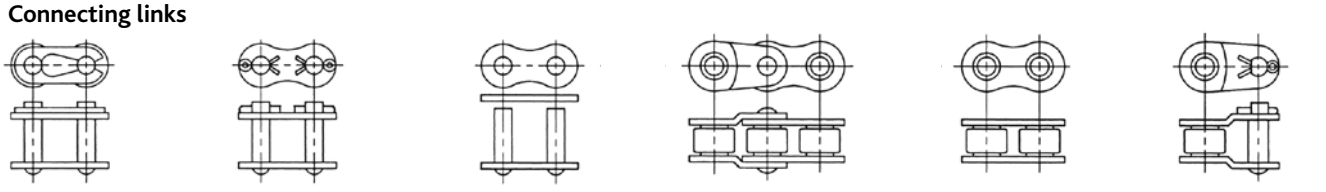
ASA 80

Q80-1	16A-1	1 x 5/8	25.4 x 15.88	15.87	16.38	18.38	20.05	7.94	3.18	3.18	22.60	20.82	24.13	–	7955	2.55	ABDEFG
Q80-2	16A-2	1 x 5/8	25.4 x 15.88	15.87	30.98	33.08	35.08	7.94	3.18	3.18	22.60	20.82	24.13	29.29	15910	5.05	ABDEFG
Q80-3	16A-3	1 x 5/8	25.4 x 15.88	15.87	45.48	47.78	49.38	7.94	3.18	3.18	22.60	20.82	24.13	29.29	23865	7.54	ABDEFG
Q80-4	16A-4	1 x 5/8	25.4 x 15.88	15.87	60.63	62.23	64.53	7.94	3.18	3.18	22.60	20.82	24.13	29.29	31820	10.06	ABDEFG
Q80-1CP	16A-1	1 x 5/8	25.4 x 15.88	15.87	16.38	–	20.05	7.94	3.18	3.18	22.60	20.82	24.13	–	7955	2.59	ABDEFG
Q80-2CP	16A-2	1 x 5/8	25.4 x 15.88	15.87	30.98	–	35.08	7.94	3.18	3.18	22.60	20.82	24.13	29.29	15910	5.09	ABDEFG
Q80-3CP	16A-3	1 x 5/8	25.4 x 15.88	15.87	45.48	–	49.38	7.94	3.18	3.18	22.60	20.82	24.13	29.29	23865	7.59	ABDEFG
Q80-4CP	16A-4	1 x 5/8	25.4 x 15.88	15.87	60.63	–	64.53	7.94	3.18	3.18	22.60	20.82	24.13	29.29	31820	10.09	ABDEFG

CP = cotter pin chain

NB: Some of the items on this page may be non-stock. Please contact our Sales Department for confirmation

Connecting links

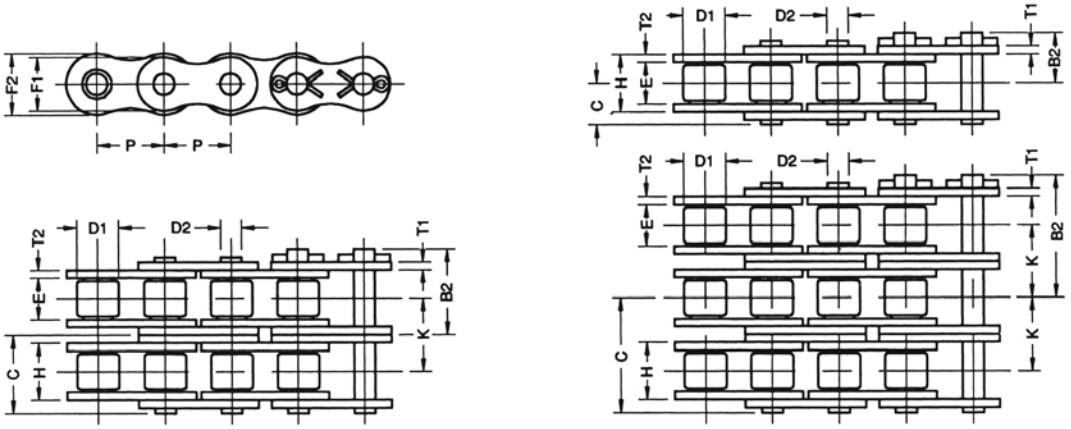


A Spring clip | B Cotter pin | D Rivet link | E Double crank | F Roller link | G Crank straight link

24hr Breakdown available | Customisable product | Product code builder | Compatible product

ASA 100 & 120 to ISO 606

American Standard



TO ISO 606

ASA 100

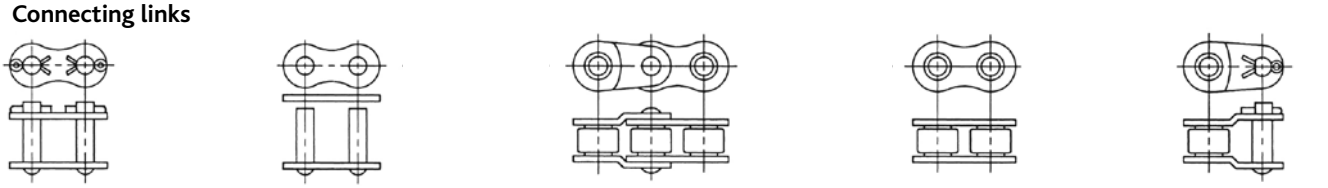
Chain no.	ISO /DIN code	Pitch x Width (P x E)		Roller	Pin			Links					Trans-verse pitch	Avg. ulti. tensile strength	Approx. weight	Conn. links
				D1	C	B2	D2	T1	T2	H	F1	F2	K			
		inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kgf	kg/m	
Q100-1	20A-1	1 1/4 x 3/4	31.75 x 19.05	19.05	20.04	23.90	9.54	3.99	3.99	27.45	26.03	30.16	–	11500	3.95	BDEFG
Q100-2	20A-2	1 1/4 x 3/4	31.75 x 19.05	19.05	37.90	42.19	9.54	3.99	3.99	27.45	26.03	30.16	35.76	23000	7.86	BDEFG
Q100-3	20A-3	1 1/4 x 3/4	31.75 x 19.05	19.05	55.8	60.09	9.54	3.99	3.99	27.45	26.03	30.16	35.76	34500	11.75	BDEFG
Q100-4	20A-4	1 1/4 x 3/4	31.75 x 19.05	19.05	73.70	77.89	9.54	3.99	3.99	27.45	26.03	30.16	35.76	46000	15.65	BDEFG
Q100-1CP	20A-1	1 1/4 x 3/4	31.75 x 19.05	19.05	20.04	23.90	9.54	3.99	3.99	27.45	26.03	30.16	–	11500	4.01	BDEFG
Q100-2CP	20A-2	1 1/4 x 3/4	31.75 x 19.05	19.05	37.90	42.19	9.54	3.99	3.99	27.45	26.03	30.16	35.76	23000	7.91	BDEFG
Q100-3CP	20A-3	1 1/4 x 3/4	31.75 x 19.05	19.05	55.80	60.09	9.54	3.99	3.99	27.45	26.03	30.16	35.76	34500	11.80	BDEFG
Q100-4CP	20A-4	1 1/4 x 3/4	31.75 x 19.05	19.05	73.70	77.89	9.54	3.99	3.99	27.45	26.03	30.16	35.76	46000	15.73	BDEFG

ASA 120

Q120-1	24A-1	1 1/2 x 1	38.1 x 25.4	22.22	24.96	30.96	11.11	4.80	4.80	35.45	31.24	36.19	-	15590	5.64	BDEFG
Q120-2	24A-2	1 1/2 x 1	38.1 x 25.4	22.22	47.93	52.30	11.11	4.80	4.80	35.45	31.24	36.19	45.44	31180	11.20	BDEFG
Q120-3	24A-3	1 1/2 x 1	38.1 x 25.4	22.22	70.40	75.36	11.11	4.80	4.80	35.45	31.24	36.19	45.44	46770	16.73	BDEFG
Q120-4	24A-4	1 1/2 x 1	38.1 x 25.4	22.22	93.10	97.70	11.11	4.80	4.80	35.45	31.24	36.19	45.44	62360	22.28	BDEFG
Q120-1CP	24A-1	1 1/2 x 1	38.1 x 25.4	22.22	24.96	30.96	11.11	4.80	4.80	35.45	31.24	36.19	-	15590	5.72	BDEFG
Q120-2CP	24A-2	1 1/2 x 1	38.1 x 25.4	22.22	47.93	52.30	11.11	4.80	4.80	35.45	31.24	36.19	45.44	31180	11.28	BDEFG
Q120-3CP	24A-3	1 1/2 x 1	38.1 x 25.4	22.22	70.40	75.36	11.11	4.80	4.80	35.45	31.24	36.19	45.44	46770	16.80	BDEFG
Q120-4CP	24A-4	1 1/2 x 1	38.1 x 25.4	22.22	93.10	97.70	11.11	4.80	4.80	35.45	31.24	36.19	45.44	62360	22.40	BDEFG

NB: Some of the items on this page may be non-stock. Please contact our Sales Department for confirmation.

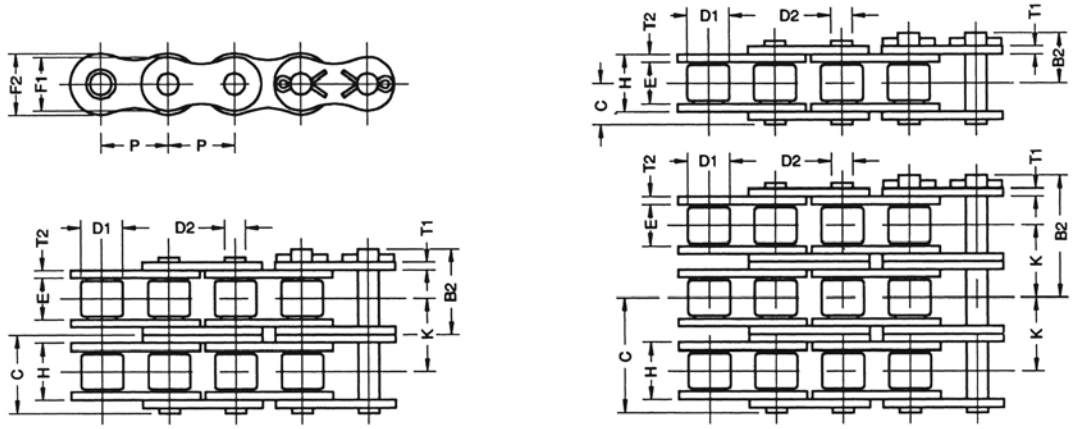
Connecting links



B Cotter pin | D Rivet link | E Double crank | F Roller link | G Crank straight link

ASA 140 & 160 to ISO 606

American Standard



TO ISO 606

ASA 140

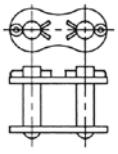
Chain no.	Pitch x Width (P x E)		Roller	Pin			Links					Trans-verse pitch	Avg. ulti. tensile strength	Approx. weight	Conn. links
			D1	C	B2	D2	T1	T2	H	F1	F2	K			
	inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kgf	kg/m	
Q140-1	1 3/4 x 1	44.45 x 25.40	25.40	27.08	31.97	12.71	5.57	5.57	37.18	36.44	42.22	–	20960	7.38	B D E F G
Q140-2	1 3/4 x 1	44.45 x 25.40	25.40	51.50	56.77	12.71	5.57	5.57	37.18	36.44	42.22	48.87	41920	14.66	B D E F G
Q140-3	1 3/4 x 1	44.45 x 25.40	25.40	76.28	80.57	12.71	5.57	5.57	37.18	36.44	42.22	48.87	62880	21.93	B D E F G
Q140-1CP	1 3/4 x 1	44.45 x 25.40	25.40	27.08	31.97	12.71	5.57	5.57	37.18	36.44	42.22	–	20960	7.48	B D E F G
Q140-2CP	1 3/4 x 1	44.45 x 25.40	25.40	51.50	56.77	12.71	5.57	5.57	37.18	36.44	42.22	48.87	41920	14.76	B D E F G
Q140-3CP	1 3/4 x 1	44.45 x 25.40	25.40	76.28	80.57	12.71	5.57	5.57	37.18	36.44	42.22	48.87	62880	22.22	B D E F G

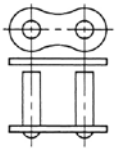
ASA 160

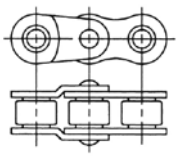
Q160-1	2 x 1 1/4	50.80 x 31.75	28.57	32.54	37.30	14.29	6.49	6.49	45.21	41.65	48.26	–	26200	9.40	B D E F G
Q160-2	2 x 1 1/4	50.80 x 31.75	28.57	62.19	66.80	14.29	6.49	6.49	45.21	41.65	48.26	58.55	52400	18.64	B D E F G
Q160-3	2 x 1 1/4	50.80 x 31.75	28.57	91.54	96.10	14.29	6.49	6.49	45.21	41.65	48.26	58.55	78600	27.89	B D E F G
Q160-1CP	2 x 1 1/4	50.80 x 31.75	28.57	32.54	37.30	14.29	6.49	6.49	45.21	41.65	48.26	–	26200	9.51	B D E F G
Q160-2CP	2 x 1 1/4	50.80 x 31.75	28.57	62.19	66.80	14.29	6.49	6.49	45.21	41.65	48.26	58.55	52400	18.75	B D E F G
Q160-3CP	2 x 1 1/4	50.80 x 31.75	28.57	91.54	96.10	14.29	6.49	6.49	45.21	41.65	48.26	58.55	78600	28.00	B D E F G

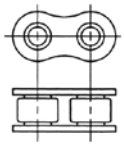
NB: Some of the items on this page may be non-stock. Please contact our Sales Department for confirmation.

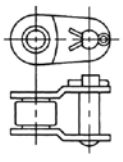
Connecting links


B Cotter pin


D Rivet link


E Double crank

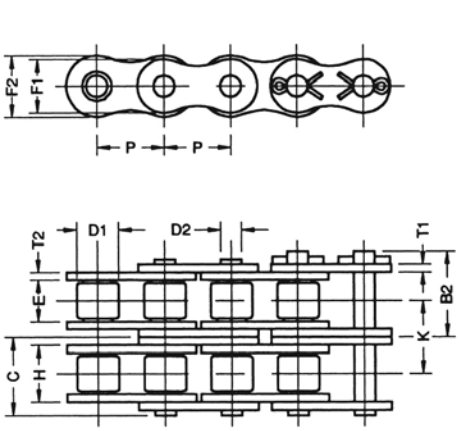

F Roller link


G Crank straight link

ASA 200 to ISO 606



American Standard



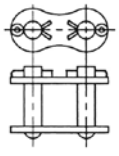
TO ISO 606

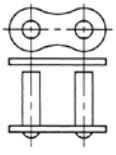
ASA 200

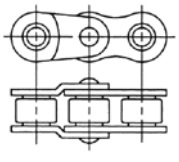
Chain no.	Pitch x Width (P x E)		Roller	Pin			Links					Trans-verse Pitch	Avg. Ulti. Tensile Strength	Approx. Weight	Conn. Links
			D1	C	B2	D2	T1	T2	H	F1	F2	K			
	inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kgf	kg/m	
Q200-1	2 1/2 x 1 1/2	63.50 x 38.10	39.67	40.12	44.78	19.85	7.93	7.93	54.88	52.07	60.32	–	49500	15.34	B D E F G
Q200-2	2 1/2 x 1 1/2	63.50 x 38.10	39.67	75.89	80.55	19.85	7.93	7.93	54.88	52.07	60.32	71.55	99000	31.37	B D E F G
Q200-3	2 1/2 x 1 1/2	63.50 x 38.10	39.67	111.67	116.33	19.85	7.93	7.93	54.88	52.07	60.32	71.55	148500	47.29	B D E F G
Q200-1CP	2 1/2 x 1 1/2	63.50 x 38.10	39.67	40.12	44.78	19.85	7.93	7.93	54.88	52.07	60.32	–	49500	15.47	B D E F G
Q200-2CP	2 1/2 x 1 1/2	63.50 x 38.10	39.67	75.89	80.55	19.85	7.93	7.93	54.88	52.07	60.32	71.55	99000	31.50	B D E F G
Q200-3CP	2 1/2 x 1 1/2	63.50 x 38.10	39.67	111.67	116.33	19.85	7.93	7.93	54.88	52.07	60.32	71.55	148500	47.42	B D E F G

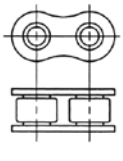
NB: Some of the items on this page may be non-stock. Please contact our Sales Department for confirmation.

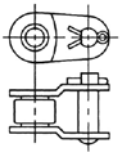
Connecting links


B Cotter pin


D Rivet link

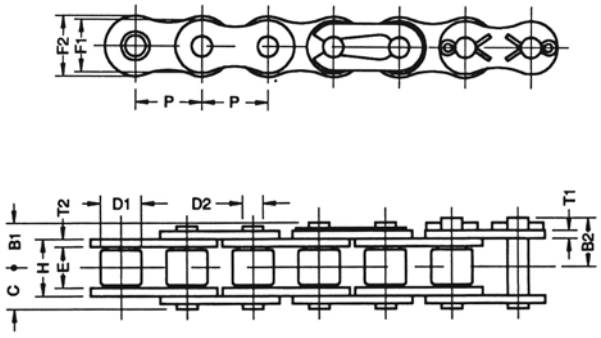

E Double crank


F Roller link


G Crank straight link

BS 06B-1, 08B-1, 10B-1, 12B-1 & 16B-1 and ASA 25,35,40, 41, 50, 60, 80 &100 to ISO 606

Stainless Steel



TO ISO 606

British Standard

Chain no.	Pitch x Width (P x E)		Roller	Pin				Links					Avg. ulti. tensile strength	Approx weight	Connecting links
			D1	C	B1	B2	D2	T1	T2	H	F1	F2			
	inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kgf	kg/m	
Q06B-1SS[1]	3/8 x 7/32	9.525 x 5.72	6.35	6.43	7.39	8.14	3.28	1.28	1.28	8.53	8.20	8.20	700	0.41	A B D E F G
Q08B-1SS[1]	1/2 x 5/16	12.7 x 7.75	8.51	8.17	9.17	10.57	4.45	1.49	1.58	11.30	10.92	11.80	1250	0.66	A B D E F G
Q10B-1SS[1]	5/8 x 3/8	15.875 x 9.65	10.16	9.78	11.18	12.17	5.08	1.71	1.71	13.28	13.72	14.70	1650	0.92	A B D E F G
Q12B-1SS[1]	3/4 x 7/16	19.05 x 11.68	12.07	11.18	12.28	14.48	5.72	1.86	1.86	15.62	16.10	16.10	2100	1.21	A B D E F G
Q16B-1SS[1]	1 x 0.67	25.40 x 17.02	15.88	17.82	20.79	21.69	8.28	3.18	3.99	25.45	21.00	21.00	5000	2.66	A B D E F G

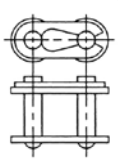
American Standard

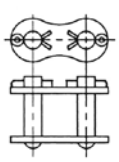
Q25SS*	1/4 x 1/8	6.35 x 3.18	3.30	3.89	4.80	–	2.32	0.76	0.76	4.80	5.01	5.81	300	0.13	A B D E F
Q35SS*[1]	3/8 x 3/16	9.525 x 4.78	5.08	5.81	7.01	7.66	3.59	1.28	1.28	7.46	7.80	9.04	700	0.32	A B D E F G
Q40SS[1]	1/2 x 5/16	12.70 x 7.92	7.92	8.16	9.36	10.56	3.98	1.49	1.49	11.17	10.41	12.06	1250	0.62	A B D E F G
Q41SS[1]	1/2 x 1/4	12.70 x 6.35	7.77	6.64	7.98	8.43	3.59	1.28	1.28	9.06	8.50	9.90	700	0.41	A B D E F G
Q50SS[1]	5/8 x 3/8	15.875 x 9.52	10.16	10.15	11.55	12.32	5.09	2.01	2.01	13.84	13.01	15.08	2250	1.01	A B D E F G
Q60SS[1]	3/4 x 1/2	19.05 x 12.70	11.91	12.63	14.00	15.43	5.96	2.38	2.38	17.75	15.64	18.09	3000	1.45	A B D E F G
Q80SS	1 x 5/8	25.4 x 15.88	15.87	16.38	18.38	20.05	7.94	3.18	3.18	22.60	20.82	24.13	4800	2.55	A B D E F G
Q100SS	1 1/4 x 3/4	31.75 x 19.05	19.05	20.19	–	23.19	9.54	3.99	3.99	27.45	26.03	30.16	6000	3.95	A B D E F G

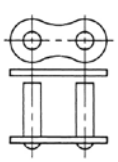
[1] Also available in Duplex
Some sizes are also available Triplex

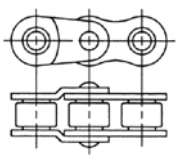
*For Chain No. 25SS and 35SS, D1 = Bushing diameter.

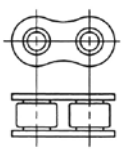
Connecting links

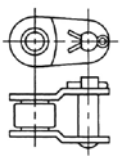

A Spring clip


B Cotter pin


D Rivet link


E Double crank


F Roller link

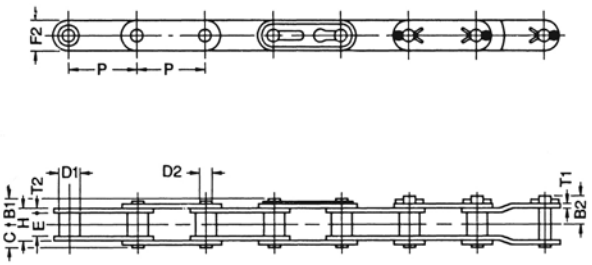

G Crank straight link

Stainless Steel Straight Sided 304 Roller Chain

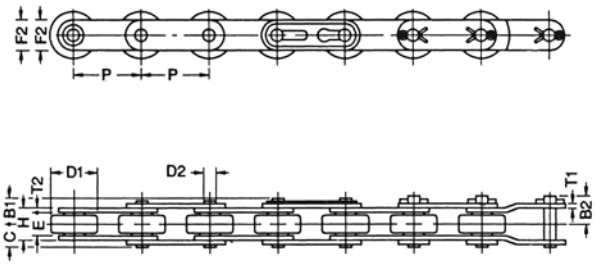
ASA C2040SS, C2050SS, C2060SS, C2080SS - C2042SS, C2052SS, C2062SS, C2082SS to ISO 606



Stainless Steel



STANDARD ROLLERS TO ISO 606

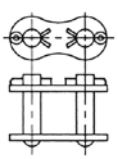


LARGE ROLLERS TO ISO 606

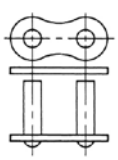
Chain no.	Pitch x Width (P x E)		Roller	Pin			Links				Avg. ulti. tensile strength	Approx. weight	Connecting links
			D1	C	B	D2	T1	T2	H	F2			
	inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	kgf	kg/m	
QC2040SS	1 x 5/16	25.4 x 7.92	7.92	8.16	10.56	3.98	1.49	1.49	11.17	12.06	1250	0.472	B D E F G
QC2050SS	1 1/4 x 3/8	31.75 x 9.52	10.16	10.15	12.32	5.09	2.01	2.01	13.84	15.08	2250	0.804	B D E F G
QC2060SS	1 1/2 x 1/2	38.10 x 12.70	11.91	12.72	15.27	5.96	2.38	2.38	17.75	18.09	2800	1.13	B D E F G
QC2080SS	2 x 5/8	50.8 x 15.88	15.87	16.50	19.85	7.94	3.18	3.18	22.60	24.13	4800	2.08	B D E F G
QC2042SS	1 x 5/16	25.4 x 7.92	15.88	8.16	10.56	3.98	1.49	1.49	11.17	12.06	1800	0.827	B D E F G
QC2052SS	1 1/4 x 3/8	31.75 x 9.52	19.05	10.15	12.32	5.09	2.01	2.01	13.84	15.08	2250	1.27	B D E F G
QC2062SS	1 1/2 x 1/2	38.10 x 12.70	22.22	12.72	15.27	5.96	2.38	2.38	17.75	18.09	2800	1.85	B D E F G
QC2082SS	2 x 5/8	50.8 x 15.88	28.58	16.50	19.85	7.94	3.18	3.18	22.60	24.13	4800	3.14	B D E F G

NB: Some of the items on these pages may be non-stock. Please contact our Sales Department for confirmation.

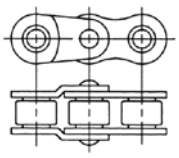
Connecting links



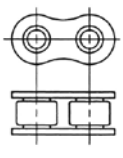
B Cotter pin



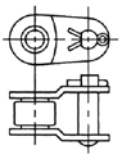
D Rivet link



E Double crank



F Roller link

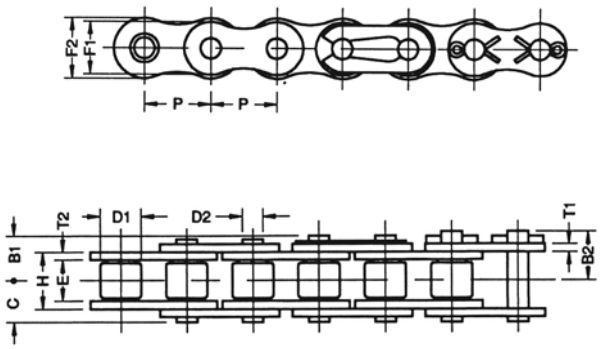


G Crank straight link

American Standard Nickel Plated Roller Chain

ASA 25, 35, 40, 41, 50, 60, 80 & 100 to ISO 606

American Standard



TO ISO 606

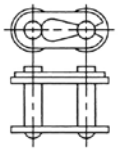
Chain no.	Pitch x Width (P x E)		Roller	Pin				Links					Avg. ulti. tensile strength	Approx. weight	Conn. links
			D1	C	B1	B2	D2	T1	T2	H	F1	F2			
	inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kgf	kg/m	
Q25NP*	1/4 x 1/8	6.35 x 3.18	3.30	3.89	4.80	–	2.32	0.76	0.76	4.80	5.01	5.81	420	0.13	A B D E F
Q35NP*	3/8 x 3/16	9.525 x 4.78	5.08	5.81	7.01	7.66	3.59	1.28	1.28	7.46	7.80	9.04	1050	0.32	A B D E F G
Q40NP[1]	1/2 x 5/16	12.70 x 7.92	7.92	8.16	9.36	10.56	3.98	1.49	1.49	11.17	10.41	12.06	1830	0.62	A B D E F G
Q41NP	1/2 x 1/4	12.70 x 6.35	7.77	6.64	7.98	8.43	3.59	1.28	1.28	9.06	8.50	9.90	1250	0.41	A B D E F G
Q50NP[1]	5/8 x 3/8	15.875 x 9.52	10.16	10.15	11.55	12.32	5.09	2.01	2.01	13.84	13.01	15.08	3000	1.01	A B D E F G
Q60NP[1]	3/4 x 1/2	19.05 x 12.70	11.91	12.63	14.00	15.43	5.96	2.38	2.38	17.75	15.64	18.09	4085	1.45	A B D E F G
Q80NP	1 x 5/8	25.40 x 15.88	15.87	16.38	18.38	20.05	7.94	3.18	3.18	22.60	20.82	24.13	7955	2.55	A B D E F G
Q100NP	1 1/4 x 3/4	31.75 x 19.05	19.05	20.04	–	23.90	9.54	3.99	3.99	27.45	26.03	30.16	11500	3.95	A B D E F G

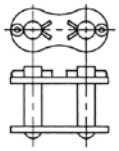
[1] Also available in Duplex *For Chain No. Q25NP and Q35NP, D1 = Bushing diameter.

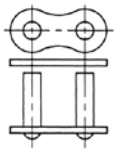
Nickel-plated chains can be supplied in most other sizes and types of TYC chains, including attachments.
In this case chains may only have 80% of the tensile strength.

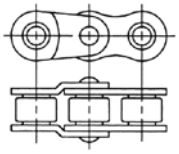
NB: Some of the items on these pages may be non-stock. Please contact our Sales Department for confirmation.

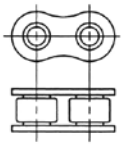
Connecting links

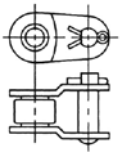

A Spring clip


B Cotter pin


D Rivet link


E Double crank


F Roller link


G Crank straight link

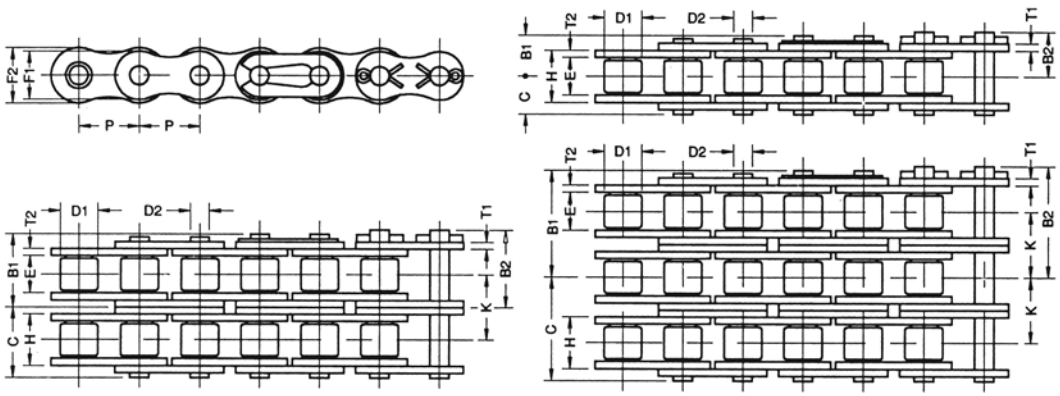
24hr Breakdown available Customisable product Product code builder Compatible product

American Standard Heavy Duty Roller Chain

Heavy Duty Roller Chain to ISO 606



American Standard



TO ISO 606

Simplex

Chain no.	Pitch x Width (P x E)		Roller	Pin				Links					Avg. ulti. tensile strength	Approx. weight	Conn. links
			D1	C	B1	B2	D2	T1	T2	H	F1	F2			
	inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kgf	kg/m	
Q25H*	1/4 x 1/8	6.35 x 3.18	3.30	4.37	5.28	–	2.32	1.02	1.02	5.35	5.01	5.81	530	0.16	A D E F
Q50H	5/8 x 3/8	15.875 x 9.52	10.16	10.98	12.38	13.28	5.09	2.38	2.38	14.65	13.01	15.08	3600	1.14	A B D E F G
Q60H	3/4 x 1/2	19.05 x 12.70	11.91	14.48	15.88	17.28	5.96	3.18	3.18	19.43	15.64	18.09	5500	1.73	A B D E F G
Q80H	1 x 5/8	25.4 x 15.88	15.87	18.28	19.88	22.18	7.94	3.99	3.99	24.28	20.82	24.13	9000	2.97	A B D E F G
Q100H	1 1/4 x 3/4	31.75 x 19.05	19.05	21.45	–	25.44	9.54	4.80	4.80	29.10	26.03	30.16	14000	4.49	B D E F G
Q120H	1 1/2 x 1	38.10 x 25.40	22.22	27.06	–	31.96	11.11	5.57	5.57	37.18	31.24	36.19	16500	6.26	B D E F G
Q60HCP	3/4 x 1/2	19.05 x 12.70	11.91	14.48	–	17.28	5.96	3.18	3.18	19.43	15.64	18.09	5500	1.75	B D E F G
Q80HCP	1 x 5/8	25.4 x 15.88	15.87	18.28	–	22.18	7.94	3.99	3.99	24.28	20.82	24.13	9000	3.00	B D E F G
Q100HCP	1 1/4 x 3/4	31.75 x 19.05	19.05	21.45	–	25.44	9.54	4.80	4.80	29.10	26.03	30.16	14000	4.54	B D E F G
Q120HCP	1 1/2 x 1	38.10 x 25.40	22.22	27.06	–	31.96	11.11	5.57	5.57	37.18	31.24	36.19	16500	6.33	B D E F G

Duplex

Chain no.	Pitch x Width (P x E)		Roller	Pin				Links					Transverse pitch	Avg. ulti. tensile strength	Approx. weight	Conn. links
			D1	C	B1	B2	D2	T1	T2	H	F1	F2	K			
	inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kgf	kg/m	
Q60H-2	3/4 x 1/2	19.05 x 12.70	11.91	27.54	28.94	30.34	5.96	3.18	3.18	19.43	15.64	18.09	26.11	11000	3.43	ABDEFG
Q80H-2	1 x 5/8	25.4 x 15.88	15.87	34.58	36.08	38.48	7.94	3.99	3.99	24.28	20.82	24.13	32.59	18000	5.91	BDEFG
Q60H-2CP	3/4 x 1/2	19.05 x 12.70	11.91	27.54	–	30.34	5.96	3.18	3.18	19.43	15.64	18.09	26.11	11000	3.49	BDEFG
Q80H-2CP	1 x 5/8	25.4 x 15.88	15.87	34.58	–	38.48	7.94	3.99	3.99	24.28	20.82	24.13	32.59	18000	5.95	BDEFG

Triplex

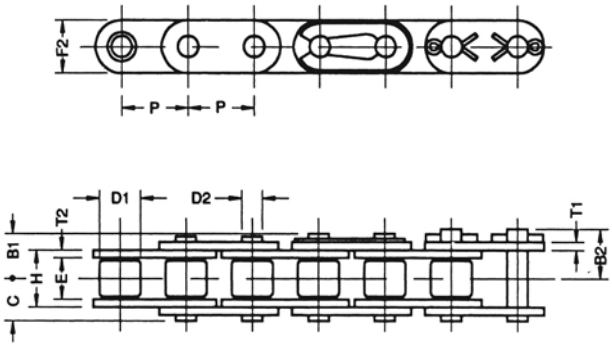
Q60H-3	3/4 x 1/2	19.05 x 12.70	11.91	40.59	41.99	43.39	5.96	3.18	3.18	19.43	15.64	18.09	26.11	16500	5.11	ABDEFG
Q80H-3	1 x 5/8	25.4 x 15.88	15.87	50.87	52.37	54.77	7.94	3.99	3.99	24.28	20.82	24.13	32.59	27000	8.78	BDEFG
Q60H-3CP	3/4 x 1/2	19.05 x 12.70	11.91	40.59	–	43.3 9	5.96	3.18	3.18	19.43	15.64	18.09	26.11	16500	5.12	BDEFG
Q80H-3CP	1 x 5/8	25.4 x 15.88	15.87	50.87	–	54.77	7.94	3.99	3.99	24.28	20.82	24.13	32.59	27000	8.79	BDEFG

*For Chain No.25H D1 = Bushing diameter "H" Series made with through harden pins – Except 25H.

BS 08B, 10B, 12B, 16B, 20B & ASA 40, 50, 60, 80

24 504 651 680

British & American Standard



STRAIGHT SIDE PLATES

British Standard

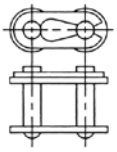
Chain no.	Pitch x Width (P x E)		Roller	Pin				Links				Avg. ulti. tensile strength	Approx weight	Connecting links
			D1	C	B1	B2	D2	T1	T2	H	F2			
	inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kgf	kg/m	
QC08B-1	1/2 x 5/16	12.7 x 7.75	8.51	8.17	9.17	10.57	4.45	1.49	1.58	11.30	11.80	1980	0.73	A B D F
QC10B-1	5/8 x 3/8	15.875 x 9.65	10.16	9.78	11.18	12.17	5.08	1.71	1.71	13.28	14.70	2580	0.98	A B D F
QC12B-1	3/4 x 7/16	19.05 x 11.68	12.07	11.18	12.28	14.48	5.72	1.86	1.86	15.62	16.10	3225	1.28	A B D F
QC16B-1	1 x 0.67	25.40 x 17.02	15.88	17.82	20.79	21.69	8.28	3.18	3.99	25.45	21.00	7525	2.89	A B D F
QC20B-1	1 1/4 x 0.77	31.75 x 19.56	19.05	19.95	–	24.25	10.19	3.18	4.46	29.01	26.40	10000	3.85	A B D F

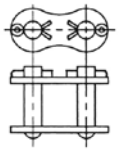
American Standard

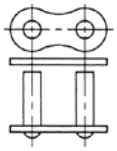
QC40	1/2 x 5/16	12.70 x 7.79	7.92	8.16	9.36	10.56	3.98	1.49	1.49	11.17	12.06	1830	0.66	A B D F
QC50	5/8 x 3/8	15.875 x 9.52	10.16	10.15	11.55	12.32	5.09	2.01	2.01	13.84	15.08	3000	1.08	A B D F
QC60	3/4 x 1/2	19.05 x 12.70	11.91	12.63	14.00	15.43	5.96	2.38	2.38	17.75	18.09	4085	1.54	A B D F
QC80	1 x 5/8	25.40 x 15.88	15.87	16.38	18.38	20.05	7.94	3.18	3.18	22.60	24.13	7955	2.71	A B D F

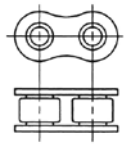
NB: Some of the items on this page may be non-stock. Please contact our Sales Department for confirmation.

Connecting links


A Spring clip


B Cotter pin

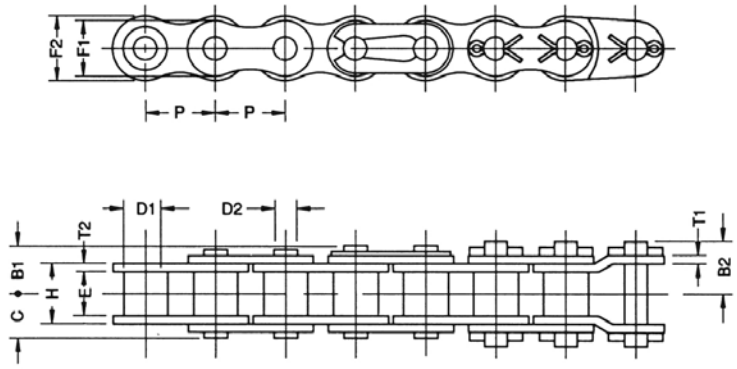

D Rivet link


F Roller link

American Standard Self Lubricating Roller Chain

Self Lubricating Roller Chain to ISO 606

American Standard

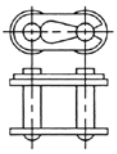


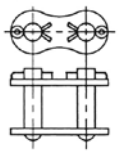
SELF LUBRICATING ROLLER CHAIN

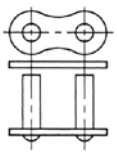
Chain no.	Pitch x Width (P x E)		Bush	Pin				Links					Avg. ulti. tensile strength	Approx. weight	Connecting links
			D1	C	B1	B2	D2	T1	T2	H	F1	F2			
	inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kgf	kg/m	
Q40SL	1/2 x 5/16	12.70 x 7.92	7.92	8.16	9.36	10.56	3.98	1.49	1.49	11.17	10.41	12.06	1250	0.59	A B D E F G
Q50SL	5/8 x 3/8	15.875 x 9.52	10.16	10.15	11.55	12.32	5.09	2.01	2.01	13.84	13.01	15.08	2100	0.97	A B D E F G
Q60SL	3/4 x 1/2	19.05 x 12.70	11.91	12.63	14.00	15.43	5.96	2.38	2.38	17.75	15.64	18.09	2700	1.36	A B D E F G
Q80SL	1 x 5/8	25.4 x15.88	15.87	16.38	18.38	20.05	7.94	3.18	3.18	22.60	20.82	24.13	5200	2.43	A B D E F G

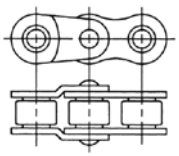
NB: Some of the items on this page may be non-stock. Please contact our Sales Department for confirmation.

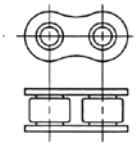
Connecting links

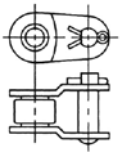

A Spring clip


B Cotter pin


D Rivet link

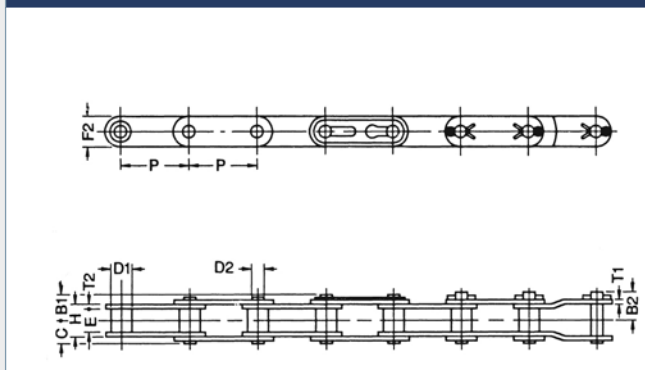
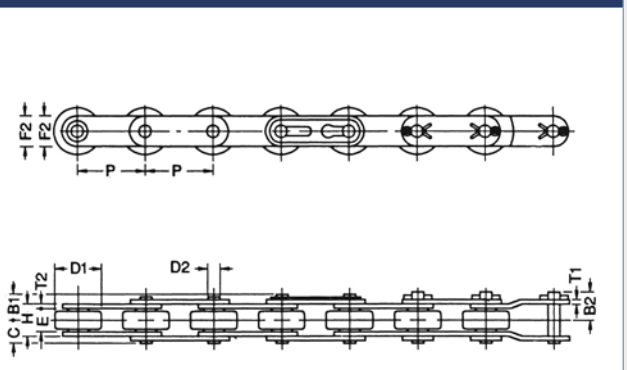

E Double crank


F Roller link


G Crank straight link

Self Lubricating Roller Chain to ISO 606

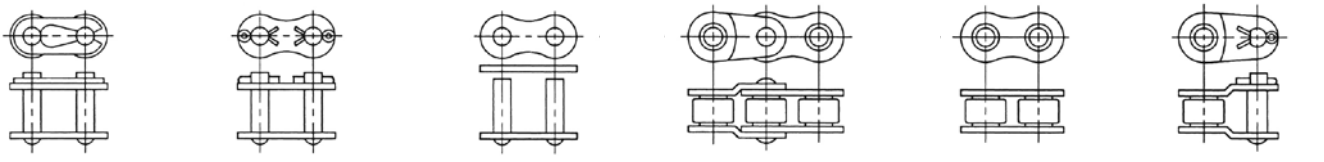


American Standard	
	
STANDARD ROLLERS TO ISO 606	LARGE ROLLERS TO ISO 606

Chain no.	Pitch x Width (P x E)		Bush	Roller	Pin				Links			Avg. ulti. tensile strength	Approx. weight	Connecting links
			D1	D1	C	B1	B2	D2	T	H	F2			
	inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kgf	kg/m	
QC2040SL	1 x 5/16	25.4 x 7.92	7.92	–	8.16	9.36	10.56	3.98	1.49	11.17	12.06	1250	0.45	A B D E F G
QC2050SL	1 1/4 x 3/8	31.75 x 9.52	10.16	–	10.15	11.55	12.32	5.09	2.01	13.84	15.08	2100	0.75	A B D E F G
QC2060SL	1 1/2 x 1/2	38.10 x 12.70	11.91	–	12.63	14.00	15.43	5.96	2.38	17.75	18.09	2700	1.09	A B D E F G
QC2080SL	2 x 5/8	50.80 x 15.88	15.87	–	16.38	–	20.05	7.94	3.18	22.60	24.13	5200	1.91	A B D E F G
QC2042SL	1 x 5/16	25.4 x 7.92	–	15.88	8.16	9.36	10.56	3.98	1.49	11.17	12.06	1250	0.81	A B D E F G
QC2052SL	1 1/4 x 3/8	31.75 x 9.52	–	19.05	10.15	11.55	12.32	5.09	2.01	13.84	15.08	2100	1.24	A B D E F G
QC2062SL	1 1/2 x 1/2	38.10 x 12.70	–	22.22	12.63	14.00	15.43	5.96	2.38	17.75	18.09	2700	1.80	A B D E F G
QC2082SL	2 x 5/8	50.80 x 15.88	–	28.58	16.38	–	20.05	7.94	3.18	22.60	24.13	5200	3.08	A B D E F G

NB: Some of the items on this page may be non-stock. Please contact our Sales Department for confirmation.

Connecting links



A Spring clip | B Cotter pin | D Rivet link | E Double crank | F Roller link | G Crank straight link



24hr Breakdown available



Customisable product



Product code builder



Compatible product



WE CARRY MAJOR LEAF CHAIN BRANDS

TransDev Leaf Chain is ideal for the transmission of loads in heavy lifting applications. A large range is available from stock.

Compatibility

- Roller chain standard ISO 606 type B (European type)
- Roller chain standard ISO 606 type A (American type)
- Types AL, LL, BL and Heavy Duty U

Construction

- Plate chain construction
- Varied inner and outer plates combinations
- Simple attachment via inner and outer links at chain ends

Application

- Cranes
- Hoisting gear
- Fork lift trucks
- Lift equipment
- Holding Counterwieghts
- Transmission of back-and-forth movements under load



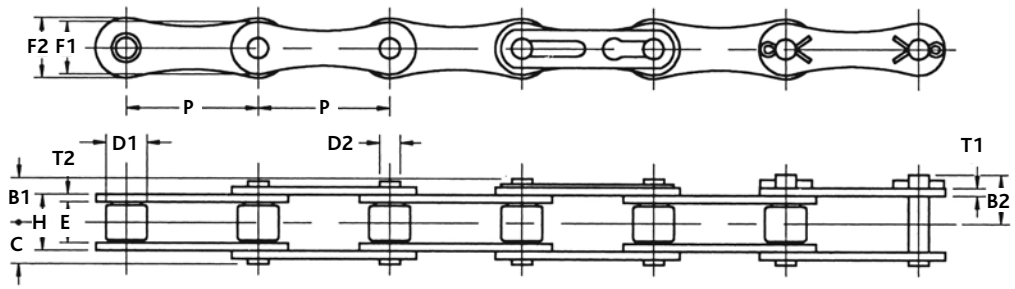
All sizes available ex stock

For **Leaf Chain** see pages 572, 616 & 640

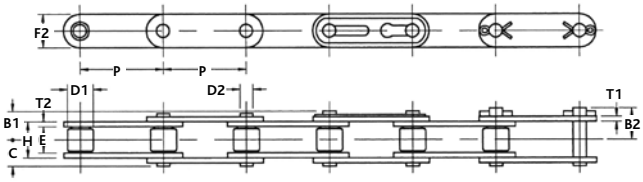
TransDev® THE POWER IN MOTION

Extended Pitch Roller Chain to ISO 606

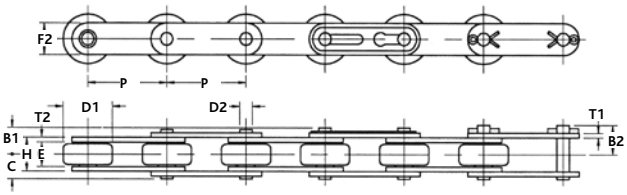
American Standard



TYPE A



STANDARD ROLLERS TO ISO 606



LARGE ROLLERS TO ISO 606

Type A

Chain no.	Pitch x Width (P x E)		Roller	Pin				Links					Avg. ulti. tensile strength	Approx weight	Connecting links
			D1	C	B1	B2	D2	T1	T2	H	F1	F2			
	inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kgf	kg/m	
QA2040	1 x 5/16	25.4 x 7.92	7.92	8.16	9.36	10.56	3.98	1.49	1.49	11.17	10.41	12.06	1800	0.41	A B D E F H
QA2050	1 1/4 x 3/8	31.75 x 9.52	10.16	10.15	11.55	12.32	5.09	2.01	2.01	13.84	13.01	15.08	3000	0.68	A B D E F H
QA2060	1 1/2 x 1/2	38.1 x 12.70	11.91	12.63	14.00	15.43	5.96	2.38	2.38	17.75	15.64	18.09	4200	0.95	A B D E F H

Standard Rollers

QC2040	1 x 5/16	25.4 x 7.92	7.92	8.16	9.36	10.56	3.98	1.49	1.49	11.17	-	12.06	1800	0.472	A B D E F G
QC2050	1 1/4 x 3/8	31.75 x 9.52	10.16	10.15	11.55	12.32	5.09	2.01	2.01	13.84	-	15.08	3000	0.804	A B D E F G
QC2060	1 1/2 x 1/2	38.1 x 12.70	11.91	12.63	14.00	15.43	5.96	2.38	2.38	17.75	-	18.09	4200	1.13	A B D E F G

Large Rollers

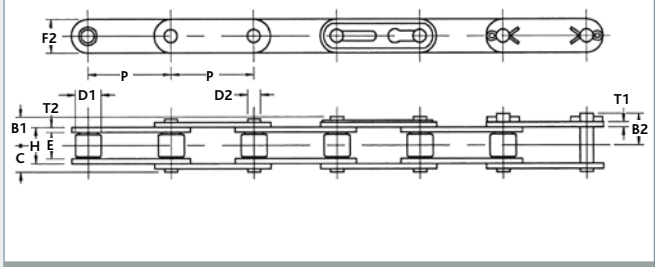
QC2042	1 x 5/16	25.4 x 7.92	15.88	8.16	9.36	10.56	3.98	1.49	1.49	11.17	-	12.06	1800	0.827	A B D E F G
QC2052	1 1/4 x 3/8	31.75 x 9.52	19.05	10.15	11.55	12.32	5.09	2.01	2.01	13.84	-	15.08	3000	1.270	A B D E F G
QC2062	1 1/2 x 1/2	38.1 x 12.70	22.22	12.63	14.00	15.43	5.96	2.38	2.38	17.75	-	18.09	4200	1.85	A B D E F G

NB: Some of the items on these pages may be non-stock. Please contact our Sales Department for confirmation.

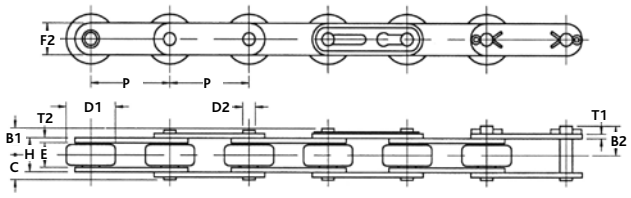
American Standard Extended Pitch Roller Chain

Heavy Duty Extended Pitch Roller Chain to ISO 606

American Standard



STANDARD ROLLERS TO ISO 606



LARGE ROLLERS TO ISO 606

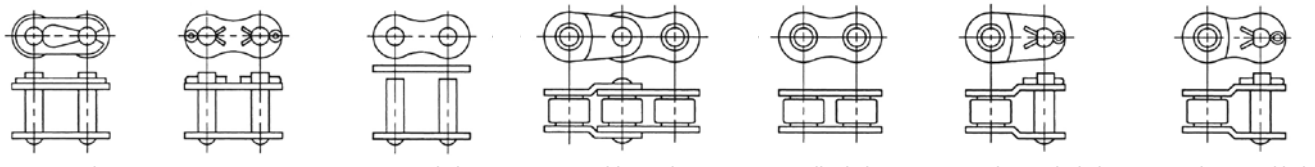
Standard Rollers

Chain no.	Pitch x Width (P x E)		Roller	Pin				Links				Avg. ulti. tensile strength	Approx. weight	Connecting links
			D1	C	B1	B2	D2	T1	T2	H	F2			
	inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kgf	kg/m	
QC2060H	1 1/2 x 1/2	38.1x 12.70	11.91	14.48	15.88	17.28	5.96	3.18	3.18	19.43	18.09	5500	1.41	A B D E F H
QC2080H	2 x 5/8	50.8x 15.88	15.87	18.28	–	22.18	7.94	3.99	3.99	24.28	24.13	9000	2.38	B D E F H
QC2100H	2 1/2 x 3/4	63.5x 19.05	19.05	21.45	–	25.44	9.54	4.80	4.80	29.10	30.16	14000	3.66	B D E F H
QC2120H	3 x 1	76.2x 25.40	22.22	27.06	–	31.96	11.11	5.57	5.57	37.18	36.19	16500	5.18	B D E F H
QC2160H	4 x 1 1/4	101.6x 31.75	28.57	34.00	–	39.00	14.29	7.15	7.15	46.88	48.26	31500	8.55	B D E F H
QC2060HCP	1 1/2 x 1/2	38.1x 12.70	11.91	14.48	–	17.28	5.96	3.18	3.18	19.43	18.09	5500	1.43	B D E F H
QC2080HCP	2 x 5/8	50.8x 15.80	15.87	18.28	–	22.18	7.94	3.99	3.99	24.28	24.13	9000	2.40	B D E F H
QC2100HCP	2 1/2 x 3/4	63.5x 19.05	19.05	21.45	–	25.44	9.54	4.80	4.80	29.10	30.16	14000	3.69	B D E F H
QC2120HCP	3 x 1	76.2x 25.40	22.22	27.06	–	31.96	11.11	5.57	5.57	37.18	36.19	16500	5.21	B D E F H
QC2160HCP	4 x 1 1/4	101.6x 31.75	28.57	34.00	–	39.00	14.29	7.15	7.15	46.88	48.26	31500	8.58	B D E F H

Large Rollers

QC2062H	11/2 x 1/2	38.1x 12.70	22.22	14.48	15.88	17.28	5.96	3.18	3.18	19.43	18.09	5500	2.12	A B D E F H
QC2082H	2 x 5/8	50.8x 15.88	28.58	18.28	–	22.18	7.94	3.99	3.99	24.28	24.13	9000	3.44	B D E F H
QC2102H	21/2 x 3/4	63.5x 19.05	39.67	21.45	–	25.44	9.54	4.80	4.80	29.10	30.16	14000	5.88	B D E F H
QC2122H	3 x 1	76.2x 25.40	44.45	27.06	–	31.96	11.11	5.57	5.57	37.18	36.19	16500	8.09	B D E F H
QC2162H	4 x 1 1/4	101.6x 31.75	57.15	34.00	–	39.00	14.29	7.15	7.15	46.88	48.26	31500	13.08	B D E F H
QC2062HCP	1 1/2 x 1/2	38.1x 12.70	22.22	14.48	–	17.28	5.96	3.18	3.18	19.43	18.09	5500	2.13	B D E F H
QC2082HCP	2 x 5/8	50.8x 15.88	28.58	18.28	–	22.18	7.94	3.99	3.99	24.28	24.13	9000	3.46	B D E F H
QC2102HCP	21/2 x 3/4	63.5x 19.05	39.67	21.45	–	25.44	9.54	4.80	4.80	29.10	30.16	14000	5.90	B D E F H
QC2122HCP	3 x 1	76.2x 25.40	44.45	27.06	–	31.96	11.11	5.57	5.57	37.18	36.19	16500	8.13	B D E F H
QC2162HCP	4 x 1 1/4	101.6x 31.75	57.15	34.00	–	39.00	14.29	7.15	7.15	46.88	48.26	31500	13.12	B D E F H

Connecting links



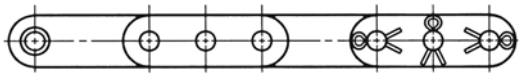
A Spring clip | B Cotter pin | D Rivet link | E Double crank | F Roller link | G Crank straight link | H Crank waisted link

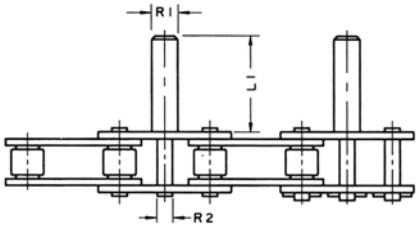
Heavy Duty Extended Pitch, Extended Pin to ISO 606

504 680

American Standard

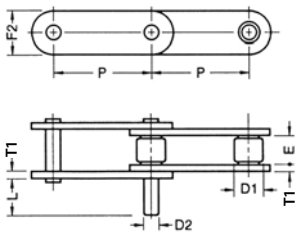
D5



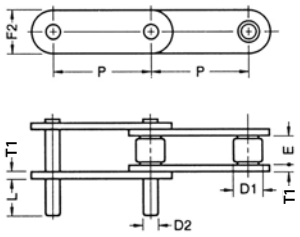


FOR QC2060HEP CHAIN ONLY

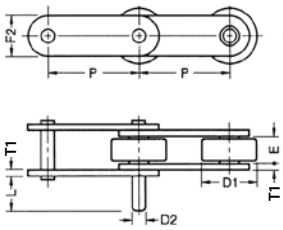
D1



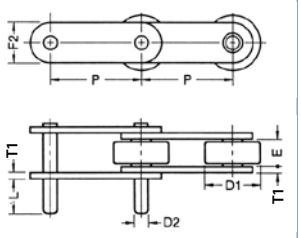
D3



D1



D3



STANDARD ROLLERS TO ISO 606 | LARGE ROLLERS TO ISO 606

D5 Dimensions (mm)

Attachment	Type	R1	R2	L1
D5	A	12.7	7.87	41.28
D5	B	14.29	7.87	41.28

D1, D3, Standard Rollers

Chain no.	Pitch x Width (P x E)		Roller	Pin		Links		Avg. ulti. tensile strength	Connecting links
			D1	D2	L	T1	F2		
	inch	mm	mm	mm	mm	mm	mm	kgf	
QC2060HEP	1 1/2 x 1/2	38.1 x 12.70	11.91	5.96	14.27	3.18	18.09	5500	A B D E F H
QC2080HEP	2 x 5/8	50.8 x 15.88	15.87	7.94	19.05	3.99	24.13	9000	B D E F H
QC2100HEP	2 1/2 x 3/4	63.5 x 19.05	19.05	9.54	23.62	4.8	30.16	14000	B D E F H
QC2120HEP	3 x 1	76.2 x 25.4	22.22	11.11	28.58	5.57	36.19	16500	B D E F H
QC2160HEP	4 x 1 1/4	101.6 x 31.75	28.57	14.29	38.1	7.15	48.26	31500	B D E F H

D1, D3, Large Rollers

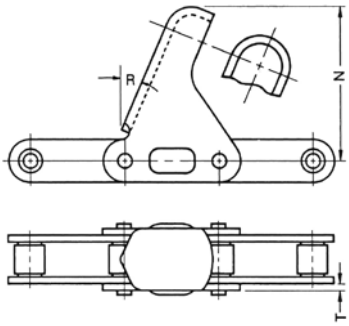
QC2062HEP	1 1/2 x 1/2	38.1 x 12.70	22.22	5.96	14.27	3.18	18.09	5500	A B D E F H
QC2082HEP	2 x 5/8	50.8 x 15.88	28.58	7.94	19.05	3.99	24.13	9000	B D E F H
QC2102HEP	2 1/2 x 3/4	63.5 x 19.05	39.67	9.54	23.62	4.8	30.16	14000	B D E F H
QC2122HEP	3 x 1	76.2 x 25.4	44.45	11.11	28.58	5.57	36.19	16500	B D E F H
QC2162HEP	4 x 1 1/4	101.6 x 31.75	57.15	14.29	38.1	7.15	48.26	31500	B D E F H

American Standard Extended Pitch Roller Chain

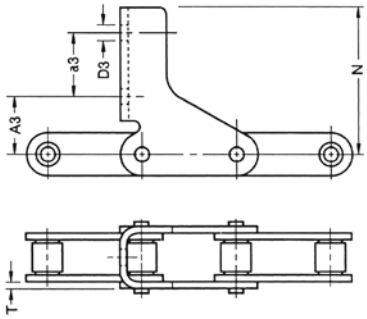
Heavy Duty Extended Pitch Attachments to ISO 606

American Standard

C6E

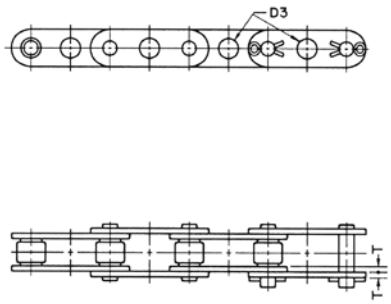


CPE

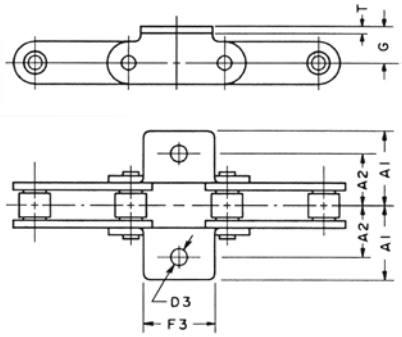


FOR QC2060HEP CHAIN ONLY

G1



K25



FOR QC2060HEP CHAIN ONLY

C6E, CPE (mm)

Attachment	R	D3	N	A3	a3	T
C6E	22.5°	-	63.5	-	-	3.18
CPE	-	5.9	59.44	23.55	25.4	3.18

G1, K25 (mm)

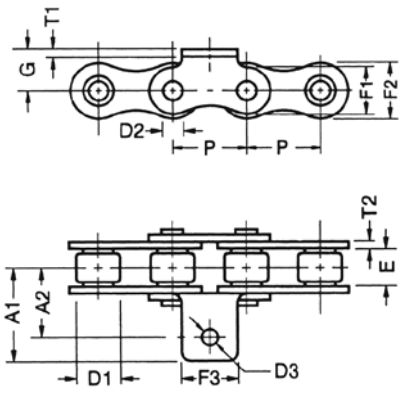
Attachment	Type	A1	A2	F3	D3	G	T
G1	A	-	-	-	6.35	-	3.18
G1	B	-	-	-	7.94	-	3.18
G1	C	-	-	-	8	-	3.18
G1	D	-	-	-	8.33	-	3.18
G1	E	-	-	-	9.53	-	3.18
K25	-	30.56	21.44	28.58	6.71	14.68	3.18

NB: Some of the items on these pages may be non-stock. Please contact our Sales Department for confirmation.

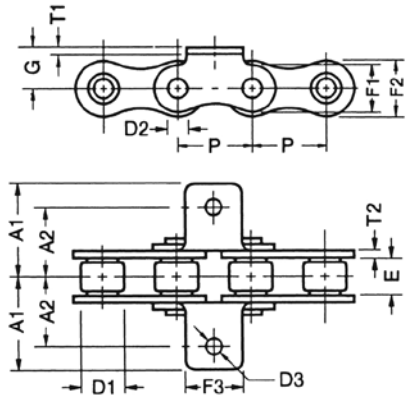
BS 06B, 08B, 10B, 12B & 16B to ISO 606

504 651

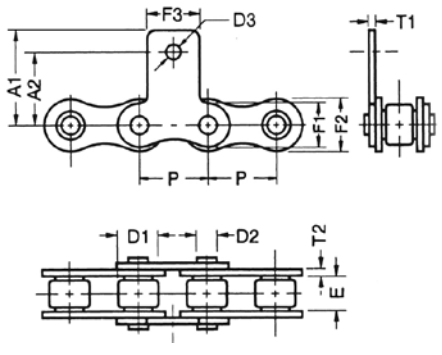
British Standard



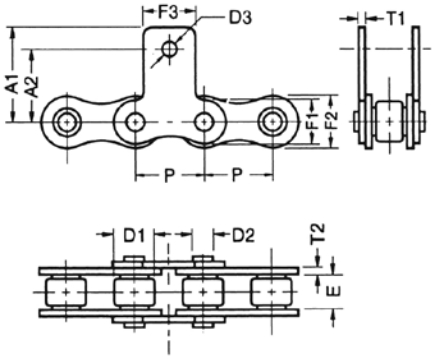
A1



K1



M35



M1

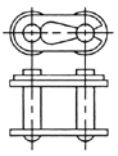
A1, K1

Chain no.	Pitch x Width (P x E)		Roller	Pin	Links				Attachment					Avg. ulti. tensile strength	Connecting links
			D1	D2	T1	T2	F1	F2	A1	A2	F3	D3	G		
	inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kgf	
Q06B	3/8 x 7/32	9.525 x 5.72	6.35	3.28	1.28	1.28	8.20	8.20	13.50	9.52	8.00	3.50	6.50	990	A D
Q08B	1/2 x 5/16	12.7 x 7.75	8.51	4.45	1.49	1.58	10.92	11.80	18.20	12.70	11.00	4.30	8.89	1980	A D
Q10B	5/8 x 3/8	15.875 x 9.65	10.16	5.08	1.71	1.71	13.72	14.70	22.30	15.88	14.28	5.30	10.31	2580	A D
Q12B	3/4 x 7/16	19.05 x 11.68	12.07	5.72	1.86	1.86	16.10	16.10	26.10	19.05	15.88	6.40	13.46	3225	A D
Q16B	1 x 0.67	25.40 x 17.02	15.88	8.28	3.18	3.99	21.00	21.00	36.30	25.40	19.05	6.40	15.88	7525	A D

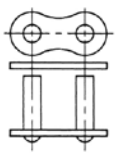
M35, M1

Q06B	3/8 x 7/32	9.525 x 5.72	6.35	3.28	1.28	1.28	8.20	8.20	13.60	9.52	8.00	3.50	-	990	A D
Q08B	1/2 x 5/16	12.7 x 7.75	8.51	4.45	1.49	1.58	10.92	11.80	18.85	13.35	11.00	4.30	-	1980	A D
Q10B	5/8 x 3/8	15.875 x 9.65	10.16	5.08	1.71	1.71	13.72	14.70	22.95	16.50	14.28	5.30	-	2580	A D
Q12B	3/4 x 7/16	19.05 x 11.68	12.07	5.72	1.86	1.86	16.10	16.10	28.50	21.45	15.88	6.40	-	3225	A D
Q16B	1 x 0.67	25.40 x 17.02	15.88	8.28	3.18	3.99	21.00	21.00	34.05	23.15	19.05	6.40	-	7525	A D

Connecting links



A Spring clip



D Rivet link

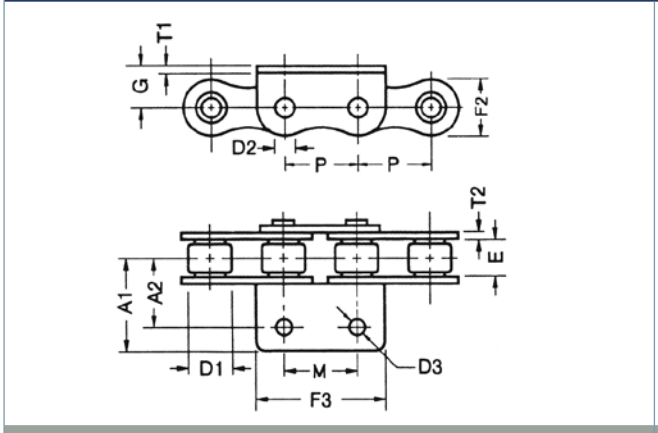
British Standard Attachment Chain

BS 08B, 10B, 12B &16B to ISO 606

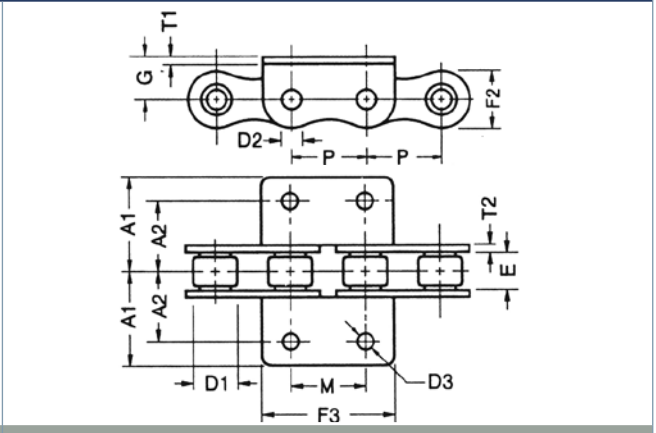
TYC

504 651

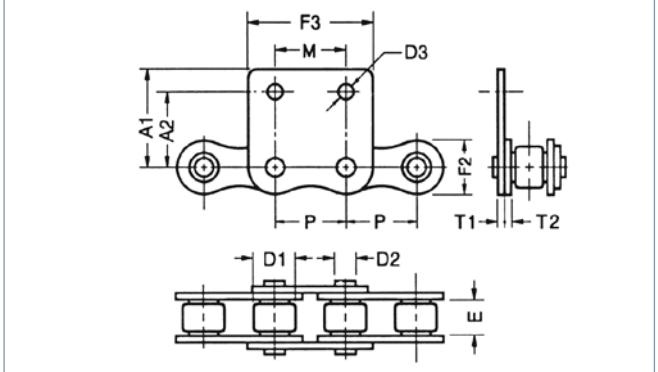
British Standard



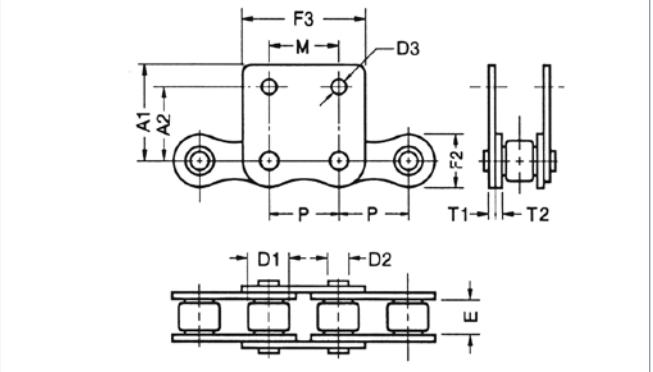
WA2



WK2



WM35-2



WM2

WA2, WK2

Chain no.	Pitch x Width (P x E)		Roller	Pin	Links			Attachment						Avg. ulti. tensile strength	Connecting links
			D1	D2	T1	T2	F2	A1	A2	F3	D3	M	G		
	inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kgf	
Q08B	1/2 x 5/16	12.7 x 7.75	8.51	4.45	1.49	1.58	11.80	18.20	12.70	24.45	4.30	12.70	8.89	1980	A D
Q10B	5/8 x 3/8	15.875 x 9.65	10.16	5.08	1.71	1.71	14.70	22.30	15.88	30.58	5.30	15.88	10.31	2580	A D
Q12B	3/4 x 7/16	19.05 x 11.68	12.07	5.72	1.86	1.86	16.10	26.10	19.05	35.18	6.40	19.05	13.46	3225	A D
Q16B	1 x 0.67	25.40 x 17.02	15.88	8.28	3.18	3.99	21.00	36.3	25.40	46.10	6.40	25.40	15.88	7525	A D

WM35-2, WM2

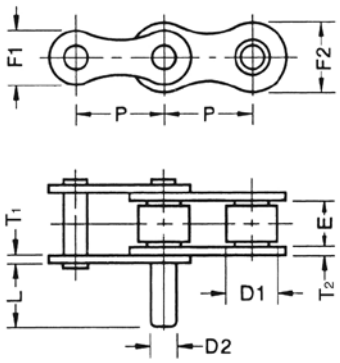
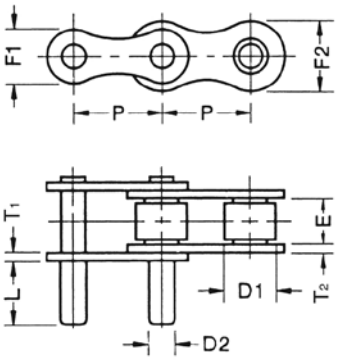
Q08B	1/2 x 5/16	12.7 x 7.75	8.51	4.45	1.49	1.58	11.80	18.85	13.35	24.45	4.30	12.70	-	1980	A D
Q10B	5/8 x 3/8	15.875 x 9.65	10.16	5.08	1.71	1.71	14.70	22.95	16.50	30.58	5.30	15.88	-	2580	A D
Q12B	3/4 x 7/16	19.05 x 11.68	12.07	5.72	1.86	1.86	16.10	28.50	21.45	35.18	6.40	19.05	-	3225	A D
Q16B	1 x 0.67	25.40 x 17.02	15.88	8.28	3.18	3.99	21.00	34.05	23.15	46.10	6.40	25.40	-	7525	A D

NB: Some of the items on these pages may be non-stock. Please contact our Sales Department for confirmation.

British Standard Attachment Chain

BS 06B, 08B, 10B, 12B &16B to ISO 606

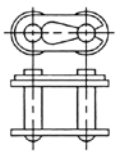
504 651

British Standard	
	
D1	D3

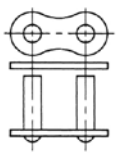
Chain no.	Pitch x Width (P x E)		Roller	Pin		Links				Avg. ulti. tensile strength	Connecting links
			D1	D2	L	T1	T2	F1	F2		
	inch	mm	mm	mm	mm	mm	mm	mm	mm	kgf	
Q06B	3/8 x 7/32	9.525 x 5.72	6.35	3.28	11.16	1.28	1.28	8.20	8.20	990	A D
Q08B	1/2 x 5/16	12.7 x 7.75	8.51	4.45	15.48	1.49	1.58	10.92	11.80	1980	A D
Q10B	5/8 x 3/8	15.875 x 9.65	10.16	5.08	18.01	1.71	1.71	13.72	14.70	2580	A D
Q12B	3/4 x 7/16	19.05 x 11.68	12.07	5.72	21.66	1.86	1.86	16.10	16.10	3225	A D
Q16B	1 x 0.67	25.4 x 17.02	15.88	8.28	34.22	3.18	3.99	21.00	21.00	7525	A D

NB: Some of the items on this page may be non-stock. Please contact our Sales Department for confirmation.

Connecting links



A Spring clip



D Rivet link

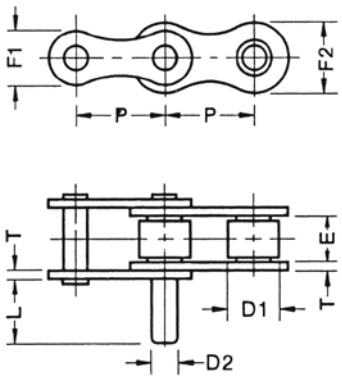
24hr Breakdown available | Customisable product | Product code builder | Compatible product

TYC
American Standard Attachment Chain

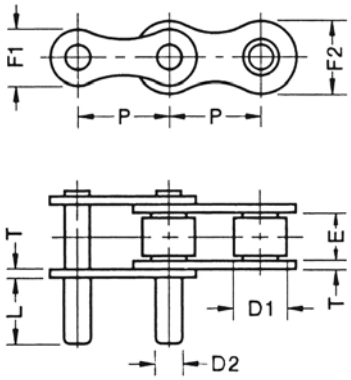
ASA 35, 41, 40, 50, 60, 80, 100, 120 & 140 to ISO 606

504 680

American Standard



D1



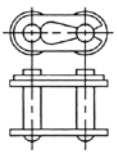
D3

Chain no.	Pitch x Width (P x E)		Roller	Pin		Links			Avg. ulti. tensile strength	Connecting links
			D1	D2	L	T	F1	F2		
	inch	mm	mm	mm	mm	mm	mm	mm	kgf	
Q35*	3/8 x 3/16	9.525 x 4.78	5.08	3.59	9.52	1.28	7.80	9.04	1050	A D
Q41	1/2 x 1/4	12.70 x 6.35	7.77	3.59	9.52	1.28	8.50	9.90	1250	A D
Q40	1/2 x 5/16	12.70 x 7.92	7.92	3.98	9.52	1.49	10.41	12.06	1830	A D
Q50	5/8 x 3/8	15.875 x 9.52	10.16	5.09	11.91	2.01	13.01	15.08	3000	A D
Q60	3/4 x 1/2	19.05 x 12.70	11.91	5.96	14.27	2.38	15.64	18.09	4085	A D
Q80	1 x 5/8	25.4 x 15.88	15.87	7.94	19.05	3.18	20.82	24.13	7955	A D
Q100	1 1/4 x 3/4	31.75 x 19.05	19.05	9.54	23.83	3.99	26.03	30.16	11500	A B D
Q120	1 1/2 x 1	38.1 x 25.40	22.22	11.11	28.58	4.80	31.24	36.19	15590	A B D
Q140	1 3/4 x 1	44.45 x 25.40	25.40	12.71	33.32	5.57	36.44	42.22	20960	A B D

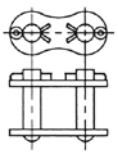
*For Chain No.35, D1 = Bushing diameter.

NB: Some of the items on this page may be non-stock. Please contact our Sales Department for confirmation.

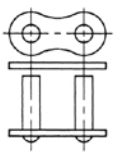
Connecting links



A Spring clip



B Cotter pin



D Rivet link

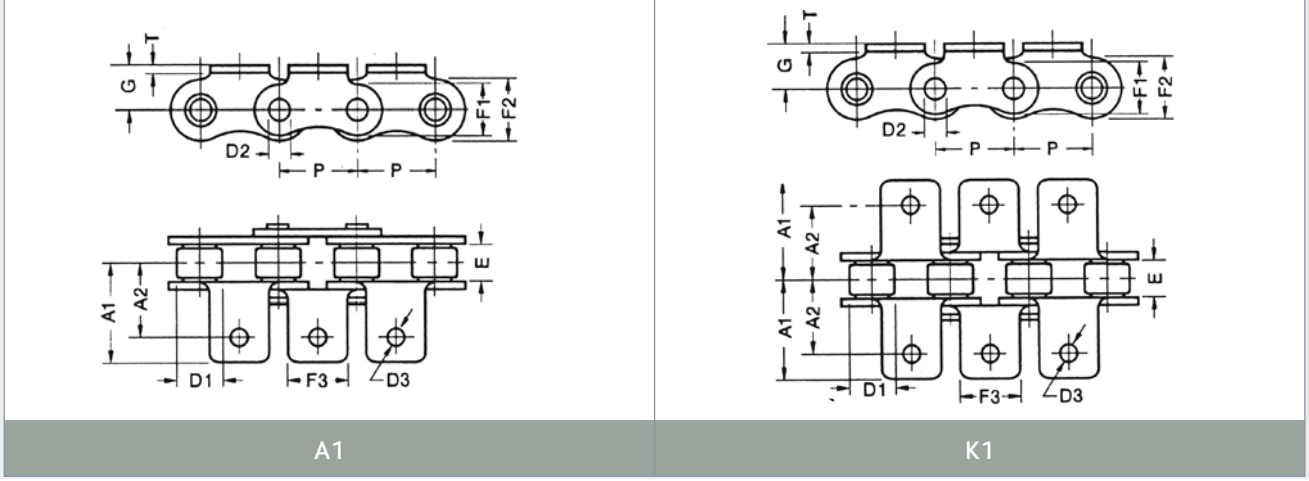


See **Hardware – Page 953**

ASA 35, 41, 40, 50, 60, 80, 100, 120 & 140 to ISO 606

504 680

American Standard



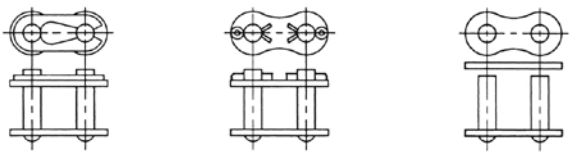
A1 K1

Chain no.	Pitch x Width (P x E)		Roller	Pin	Links			Attachment					Avg. ulti. tensile strength	Connecting links
			D1	D2	T	F1	F2	A1	A2	F3	D3	G		
	inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kgf	
Q35*	3/8 x 3/16	9.525 x 4.78	5.08	3.59	1.28	7.80	9.04	13.10	9.52	7.94	2.78	6.35	1050	A D
Q41	1/2 x 1/4	12.70 x 6.35	7.77	3.59	1.28	8.50	9.90	16.27	11.90	9.52	3.57	7.14	1250	A D
Q40	1/2 x 5/16	12.70 x 7.92	7.92	3.98	1.49	10.41	12.06	17.47	12.70	9.52	3.57	7.92	1830	A D
Q50	5/8 x 3/8	15.875 x 9.52	10.16	5.09	2.01	13.01	15.08	24.60	15.88	14.28	5.16	10.31	3000	A D
Q60	3/4 x 1/2	19.05 x 12.70	11.91	5.96	2.38	15.64	18.09	27.78	19.05	15.88	5.16	11.91	4085	A D
Q80	1 x 5/8	25.4 x 15.88	15.87	7.94	3.18	20.82	24.13	39.29	25.40	19.05	6.75	15.88	7955	A D
Q100	1 1/4 x 3/4	31.75 x 19.05	19.05	9.54	3.99	26.03	30.16	43.00	31.75	25.40	8.33	19.84	11500	A B D
Q120	1 1/2 x 1	38.1 x 25.40	22.22	11.11	4.80	31.24	36.19	53.00	38.10	28.58	9.92	23.01	15590	A B D

*For Chain No.35, D1 = Bushing diameter.

NB: Some of the items on this page may be non-stock. Please contact our Sales Department for confirmation.

Connecting links

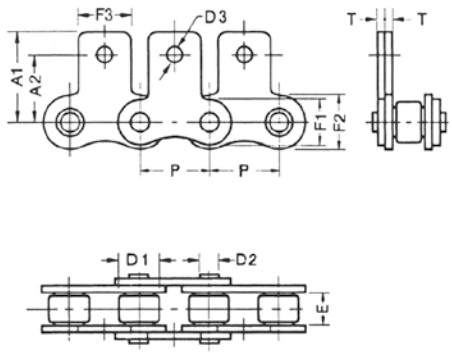


A Spring Clip B Cotter Pin D Rivet Link

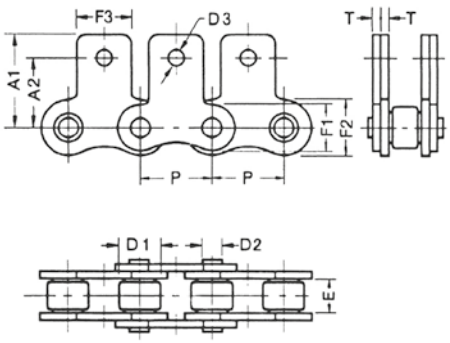
American Standard Attachment Chain

ASA 35, 41, 40, 50, 60, 80, 100, 120 & 140 to ISO 606

American Standard



M35



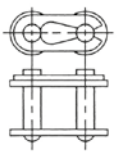
M1

Chain no.	Pitch x Width (P x E)		Roller	Pin	Links			Attachment				Avg. ulti. tensile strength	Connecting links
			D1	D2	T	F1	F2	A1	A2	F3	D3		
	inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kgf	
Q35*	3/8 x 3/16	9.525 x 4.78	5.08	3.59	1.28	7.80	9.04	13.49	9.52	7.94	2.78	1050	A D
Q41	1/2 x 1/4	12.70 x 6.35	7.77	3.59	1.28	8.50	9.90	16.46	12.70	9.52	3.57	1250	A D
Q40	1/2 x 5/16	12.70 x 7.92	7.92	3.98	1.49	10.41	12.06	17.46	12.70	9.52	3.57	1830	A D
Q50	5/8 x 3/8	15.875 x 9.52	10.16	5.09	2.01	13.01	15.08	24.45	15.88	14.28	5.16	3000	A D
Q60	3/4 x 1/2	19.05 x 12.70	11.91	5.96	2.38	15.64	18.09	26.19	18.26	15.88	5.16	4085	A D
Q80	1 x 5/8	25.4 x 15.88	15.87	7.94	3.18	20.82	24.13	34.00	24.61	19.05	6.75	7955	A D
Q100	1 1/4 x 3/4	31.75 x 19.05	19.05	9.54	3.99	26.03	30.16	41.86	31.75	25.40	8.33	11500	A B D
Q120	1 1/2 x 1	38.1 x 25.40	22.22	11.11	4.80	31.24	36.19	49.73	36.53	28.58	9.92	15590	A B D

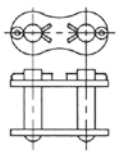
*For Chain No.35, D1 = Bushing diameter.

NB: Some of the items on this page may be non-stock. Please contact our Sales Department for confirmation.

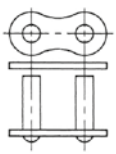
Connecting links



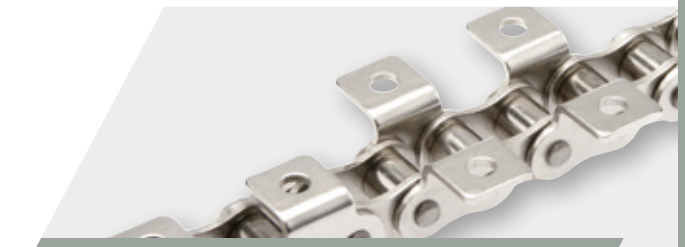
A Spring clip



B Cotter pin



D Rivet link

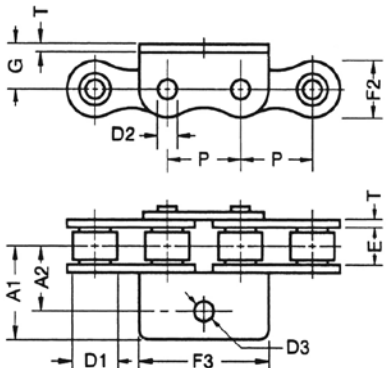


See Witra Attachment Chain – Page 635

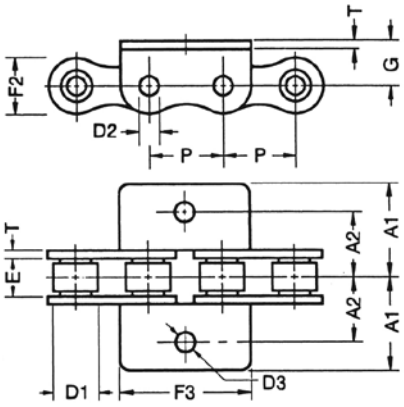
ASA 35, 40, 50, 60, & 80 to ISO 606

504 680

American Standard



WA1



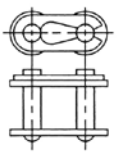
WK1

Chain No.	Pitch x Width (P x E)		Roller	Pin	Links		Attachment					Avg. ulti. tensile strength	Connecting links
			D1	D2	T	F2	A1	A2	F3	D3	G		
	inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kgf	
Q35*	3/8 x 3/16	9.525 x 4.78	5.08	3.59	1.28	9.04	14.38	9.52	18.33	2.78	6.35	1050	A D
Q40	1/2 x 5/16	12.70 x 7.92	7.92	3.98	1.49	12.06	17.46	12.70	23.10	3.57	7.92	1830	A D
Q50	5/8 x 3/8	15.875 x 9.52	10.16	5.09	2.01	15.08	24.70	15.88	28.72	5.16	10.31	3000	A D
Q60	3/4 x 1/2	19.05 x 12.70	11.91	5.96	2.38	18.09	26.99	19.05	36.25	5.16	11.91	4085	A D
Q80	1 x 5/8	25.4 x 15.88	15.87	7.94	3.18	24.13	35.23	25.40	48.64	6.75	15.88	7955	A D

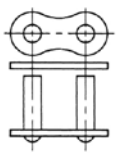
*For Chain No.35, D1 = Bushing diameter.

NB: Some of the items on this page may be non-stock. Please contact our Sales Department for confirmation.

Connecting links



A Spring clip

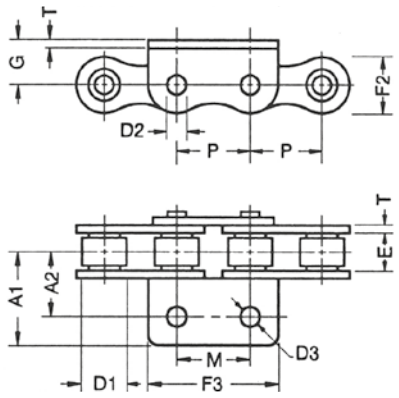


D Rivet link

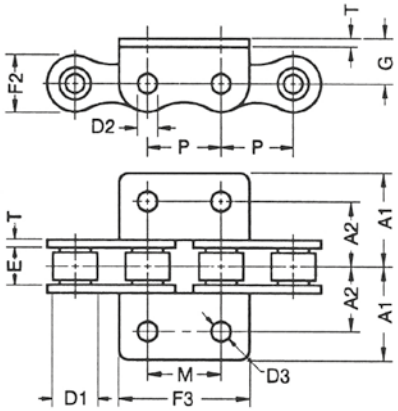
American Standard Attachment Chain

ASA 35, 40, 50, 60, & 80 to ISO 606

American Standard



WA2



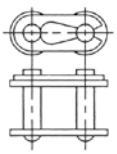
WK2

Chain no.	Pitch x Width (P x E)		Roller	Pin	Links		Attachment						Avg. ulti. tensile strength	Connecting links
			D1	D2	T	F2	A1	A2	F3	D3	G	M		
	inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kgf	
Q35*	3/8 x 3/16	9.525 x 4.78	5.08	3.59	1.28	9.04	14.38	9.52	18.33	2.78	6.35	9.52	1050	A D
Q40	1/2 x 5/16	12.70 x 7.92	7.92	3.98	1.49	12.06	17.46	12.70	23.10	3.57	7.92	12.70	1830	A D
Q50	5/8 x 3/8	15.875 x 9.52	10.16	5.09	2.01	15.08	24.70	15.88	28.72	5.16	10.31	15.88	3000	A D
Q60	3/4 x 1/2	19.05 x 12.70	11.91	5.96	2.38	18.09	26.99	19.05	36.25	5.16	11.91	19.05	4085	A D
Q80	1 x 5/8	25.4 x 15.88	15.87	7.94	3.18	24.13	35.23	25.40	48.64	6.75	15.88	25.40	7955	A D

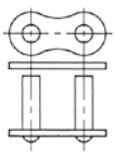
*For Chain No.35, D1 = Bushing diameter.

NB: Some of the items on this page may be non-stock. Please contact our Sales Department for confirmation.

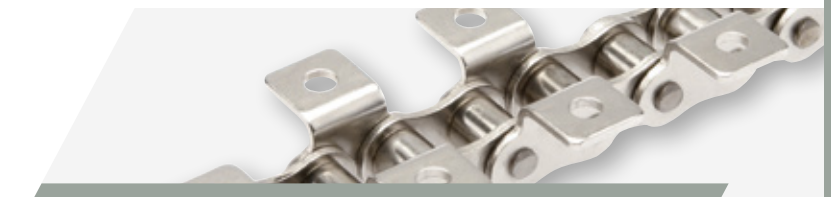
Connecting links



A Spring clip



D Rivet link

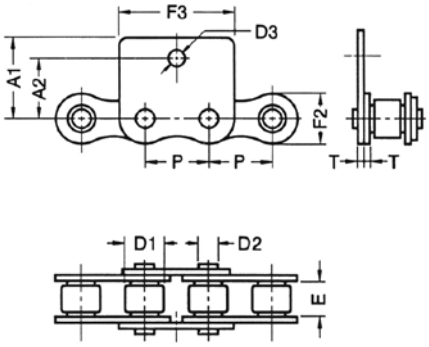


See **Wippermann Attachment Chain – Page 556**

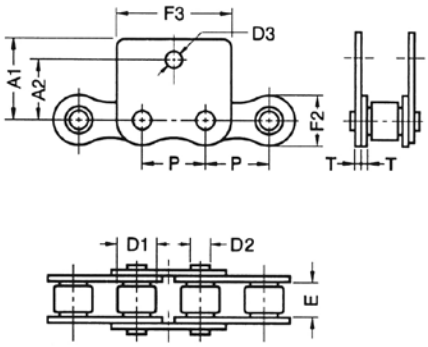
ASA 35, 40, 50, 60, & 80 to ISO 606

504 680

American Standard



WM35



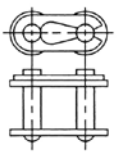
WM1

Chain no.	Pitch x Width (P x E)		Roller	Pin	Links		Attachment				Avg. ulti. tensile strength	Connecting links
			D1	D2	T	F2	A1	A2	F3	D3		
	inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	kgf	
Q35*	3/8 x 3/16	9.525 x 4.78	5.08	3.59	1.28	9.04	14.68	9.52	18.33	2.78	1050	A D
Q40	1/2 x 5/16	12.70 x 7.92	7.92	3.98	1.49	12.06	17.30	12.70	23.10	3.57	1830	A D
Q50	5/8 x 3/8	15.875 x 9.52	10.16	5.09	2.01	15.08	24.61	15.88	28.72	5.16	3000	A D
Q60	3/4 x 1/2	19.05 x 12.70	11.91	5.96	2.38	18.09	26.11	18.26	36.25	5.16	4085	A D
Q80	1 x 5/8	25.4 x 15.88	15.87	7.94	3.18	24.13	34.25	24.61	48.64	6.75	7955	A D

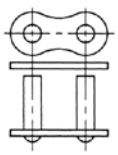
*For Chain No.35, D1 = Bushing diameter.

NB: Some of the items on this page may be non-stock. Please contact our Sales Department for confirmation.

Connecting links



A Spring clip



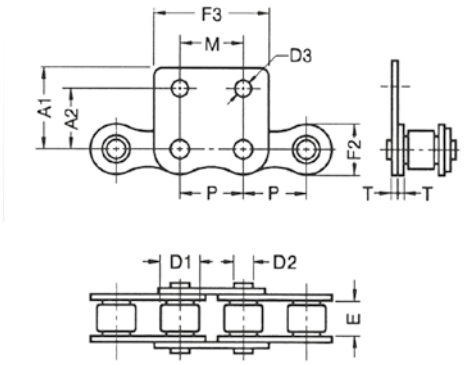
D Rivet link

24hr Breakdown available
Customisable product
Product code builder
Compatible product

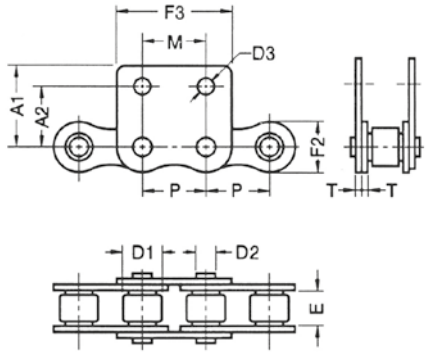
American Standard Attachment Chain

ASA 35, 40, 50, 60, & 80 to ISO 606

American Standard



WM35-2



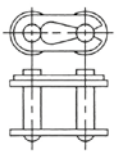
WM2

Chain no.	Pitch x Width (P x E)		Roller	Pin	Links		Attachment					Avg. ulti. tensile strength	Connecting links
			D1	D2	T	F2	A1	A2	F3	D3	M		
	inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kgf	
Q35*	3/8 x 3/16	9.525 x 4.78	5.08	3.59	1.28	9.04	14.68	9.52	18.33	2.78	9.52	1050	A D
Q40	1/2 x 5/16	12.70 x 7.92	7.92	3.98	1.49	12.06	17.30	12.70	23.10	3.57	12.70	1830	A D
Q50	5/8 x 3/8	15.875 x 9.52	10.16	5.09	2.01	15.08	24.61	15.88	28.72	5.16	15.88	3000	A D
Q60	3/4 x 1/2	19.05 x 12.70	11.91	5.96	2.38	18.09	26.11	18.26	36.25	5.16	19.05	4085	A D
Q80	1 x 5/8	25.4 x 15.88	15.87	7.94	3.18	24.13	34.25	24.61	48.64	6.75	25.40	7955	A D

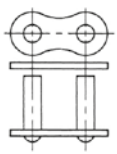
*For Chain No.35, D1 = Bushing diameter.

NB: Some of the items on this page may be non-stock. Please contact our Sales Department for confirmation.

Connecting links



A Spring clip



D Rivet link



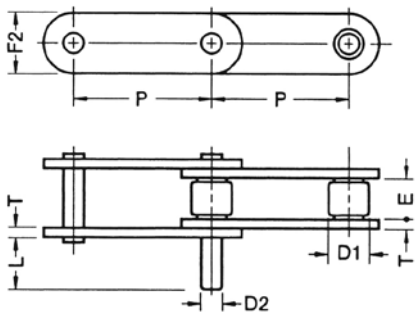
See **Chain Tensioner – Page 1061**

ASA 2040, 2050, 2042 & 2052 to ISO 606

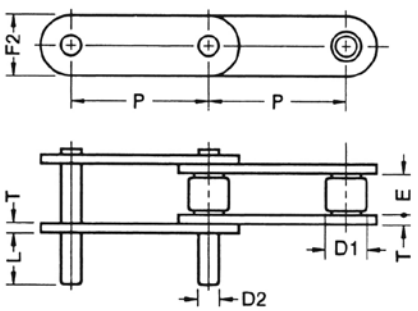
504 680

American Standard

D1

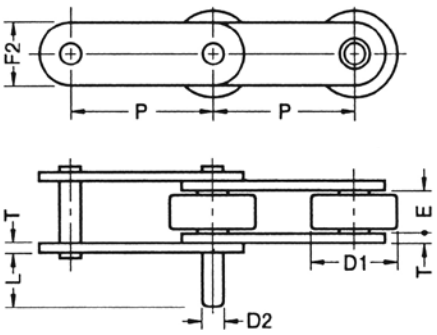


D3

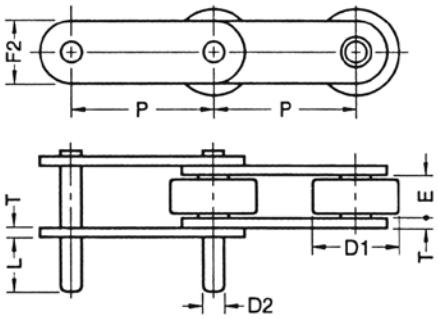


STANDARD ROLLERS TO ISO 606

D1



D3



LARGE ROLLERS TO ISO 606

Standard Rollers

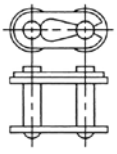
Chain no.	Pitch x Width (P x E)		Roller	Pin		Links		Avg. ulti. tensile strength	Connecting links
			D1	D2	L	T	F2		
	inch	mm	mm	mm	mm	mm	mm	kgf	
QC2040	1 x 5/16	25.4 x 7.92	7.92	3.98	9.52	1.49	12.06	1800	A D
QC2050	1 1/4 x 3/8	31.75 x 9.52	10.16	5.09	11.91	2.01	15.08	3000	A D

Large Rollers

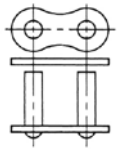
QC2042	1 x 5/16	25.4 x 7.92	15.88	3.98	9.52	1.49	12.06	1800	A D
QC2052	1 1/4 x 3/8	31.75 x 9.52	19.05	5.09	11.91	2.01	15.08	3000	A D

NB: Some of the items on this page may be non-stock. Please contact our Sales Department for confirmation.

Connecting links



A Spring clip



D Rivet link

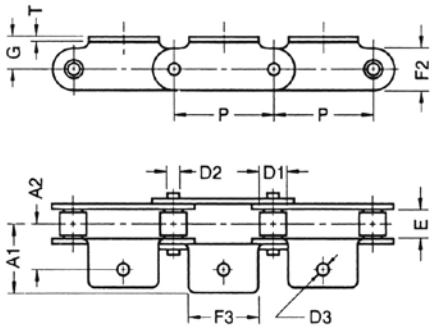
24hr Breakdown available | Customisable product | Product code builder | Compatible product

American Standard Extended Pitch Attachment Chain

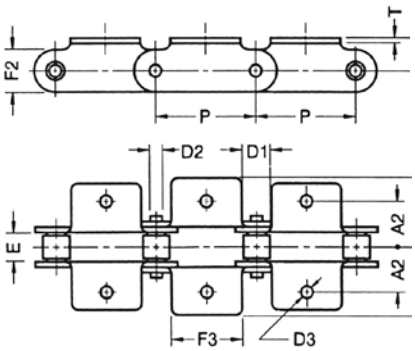
ASA 2040 & 2050 to ISO 606

American Standard

A1

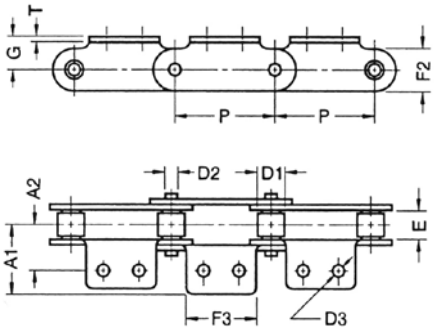


K1

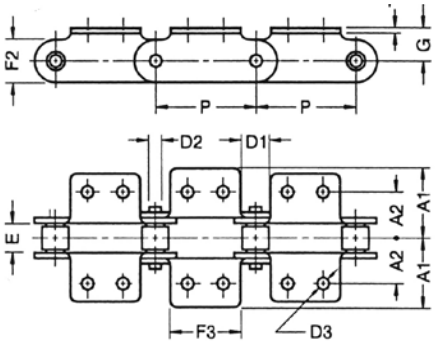


TO ISO 606

A2



K2



TO ISO 606

A1, K1

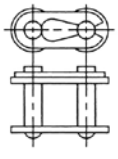
Chain no.	Pitch x Width (P x E)		Roller	Pin	Links		Attachments						Avg. ulti. tensile strength	Connecting links
			D1	D2	T	F2	A1	A2	F3	D3	G	M		
	inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kgf	
QC2040	1 x 5/16	25.4 x 7.92	7.92	3.98	1.49	12.06	18.85	12.70	19.05	3.57	9.12	-	1800	A D
QC2050	1 1/4 x 3/8	31.75 x 9.52	10.16	5.09	2.01	15.08	24	15.88	25.40	5.16	11.13	-	3000	A D

A2, K2

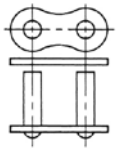
QC2040	1 x 5/16	25.4 x 7.92	7.92	3.98	1.49	12.06	18.85	12.7	19.05	3.57	9.12	9.52	1800	A D
QC2050	1 1/4 x 3/8	31.75 x 9.52	10.16	5.09	2.01	15.08	24	15.88	25.4	5.16	11.13	11.91	3000	A D

NB: Some of the items on this page may be non-stock. Please contact our Sales Department for confirmation.

Connecting links



A Spring clip



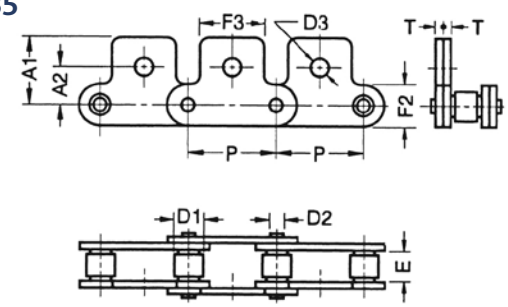
D Rivet link

ASA 2040 & 2050 to ISO 606

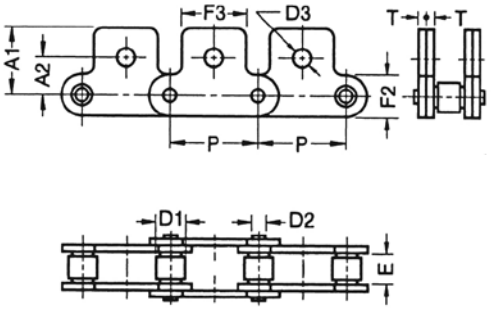
504 680

American Standard

M35

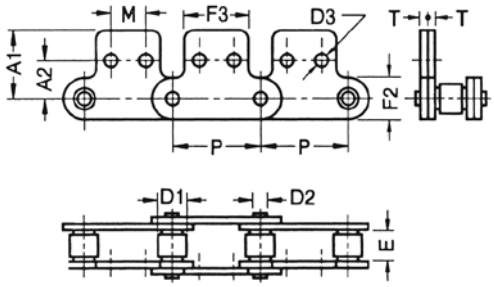


M1

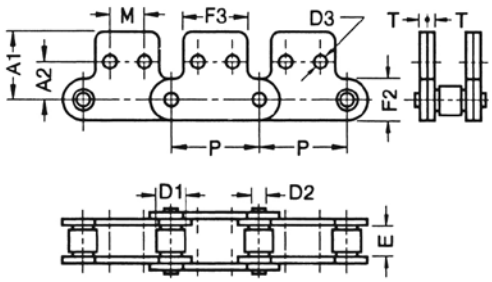


TO ISO 606

M35-2



M2



TO ISO 606

M35, M1

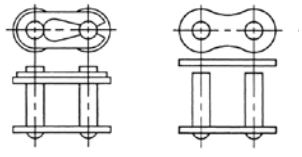
Chain no.	Pitch x Width (P x E)		Roller	Pin	Links		Attachments					Avg. ulti. tensile strength	Connecting links
			D1	D2	T	F2	A1	A2	F3	D3	M		
	inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kgf	
QC2040	1 x 5/16	25.4 x 7.92	7.92	3.98	1.49	12.06	19.28	11.12	19.05	5.16	-	1800	A D
QC2050	1 1/4 x 3/8	31.75 x 9.52	10.16	5.09	2.01	15.08	24.6	14.27	25.4	6.35	-	3000	A D

M35-2, M2

QC2040	1 x 5/16	25.4 x 7.92	7.92	3.98	1.49	12.06	19.28	13.49	19.05	3.57	9.52	1800	A D
QC2050	1 1/4 x 3/8	31.75 x 9.52	10.16	5.09	2.01	15.08	24.6	15.88	25.4	5.16	11.91	3000	A D

NB: Some of the items on the pages may be non-stock. Please contact our Sales Department for confirmation.

Connecting links



A Spring clip D Rivet link

24hr Breakdown available Customisable product XX Product code builder XX Compatible product

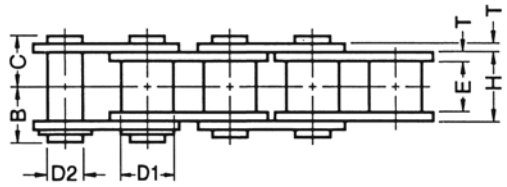
American Standard Hollow Pin Roller Chain

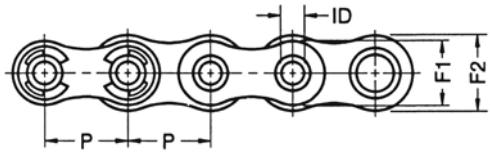
ASA Hollow Pin Roller Chain



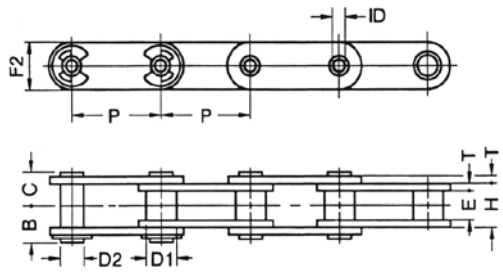


American Standard

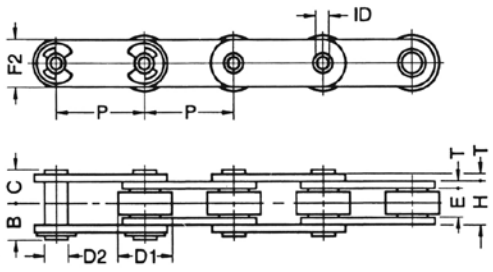




SINGLE PITCH



DOUBLE PITCH STANDARD ROLLERS



DOUBLE PITCH LARGE ROLLERS

Single Pitch

Chain no.	Pitch x Width (P x E)		Bush/ Roller	Hollow pin				Links				Avg. ulti. tensile strength	Weight approx.	Connecting links
			D1	C	B	ID	D2	T	H	F1	F2			
	inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kgf	kg/m	
Q40HP*	1/2 x 5/16	12.7 x 7.92	7.92	8.29	8.97	4	5.71	1.49	11.17	10.41	12.06	1300	0.52	A D
Q50HP*	5/8 x 3/8	15.875 x 9.52	10.16	10.25	10.84	5.12	7.29	2.01	13.84	13.01	15.08	2100	0.82	A D
Q60HP*	3/4 x 1/2	19.01 x 12.70	11.91	12.9	13.92	5.98	8.42	2.38	17.75	15.64	18.09	2700	1	A D
Q80HP*	1 x 5/8	25.4 x 15.88	15.87	16.648	17.59	8.08	11.42	3.18	22.6	20.82	24.13	5200	2.1	A D

Double Pitch - Standard and Large Roller

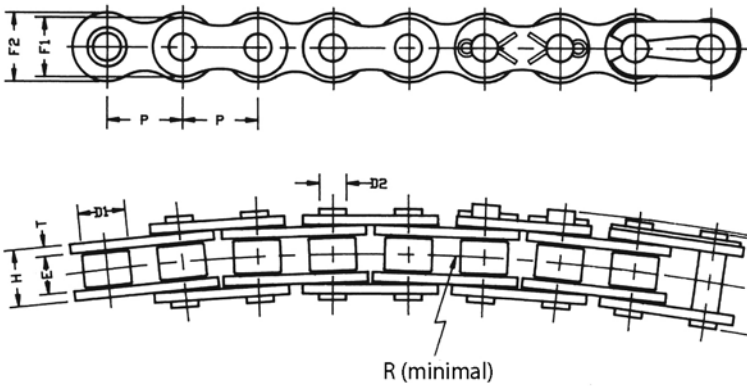
QC2040HP*	1 x 5/16	25.4 x 7.92	7.92	8.29	8.97	4.10	5.71	1.49	11.17	-	12.06	1300	0.42	A D
QC2050HP*	1 1/4 x 3/8	31.75 x 9.52	10.16	10.25	10.84	5.12	7.29	2.01	13.84	-	15.08	2100	0.72	A D
QC2060HP*	1 1/2 x 1/2	38.1 x 12.70	11.91	12.9	13.92	5.98	8.42	2.38	17.75	-	18.09	2700	1.01	A D
QC2080HP*	2 x 5/8	50.8 x 15.88	15.87	16.64	17.59	8.08	11.42	3.18	22.6	-	24.13	5200	2.54	A D
QC2042HP	1 x 5/16	25.4 x 7.92	15.87	8.29	8.97	4	5.71	1.49	11.17	-	12.06	1300	0.83	A D
QC2052HP	1 1/4 x 3/8	31.75 x 9.52	19.05	10.25	10.84	5.12	7.29	2.01	13.84	-	15.08	2100	1.28	A D
QC2062HP	1 1/2 x 1/2	38.1 x 12.70	22.23	12.9	13.92	5.98	8.42	2.38	17.75	-	18.09	2700	1.85	A D
QC2082HP	2 x 5/8	50.8 x 15.88	28.58	16.64	17.59	8.08	11.42	3.18	22.6	-	24.13	5200	3.58	A D

*D1 = Bushing diameter. All the above chains are also available in 304 Stainless Steel.

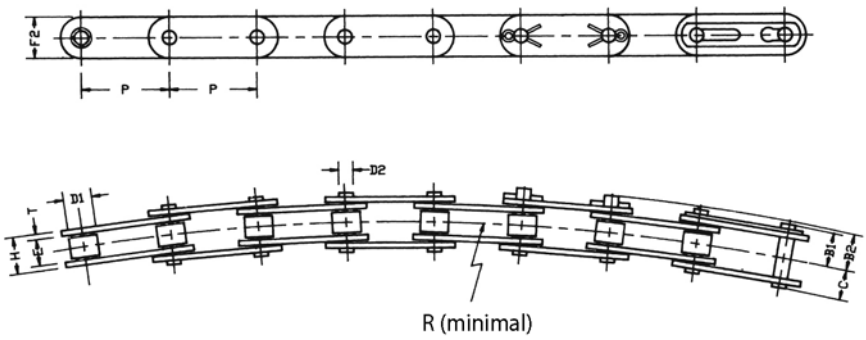
ASA 40, 50, 60, 80, 2040, 2050, 2060 2080 and Special 43 & 63 to ISO 606



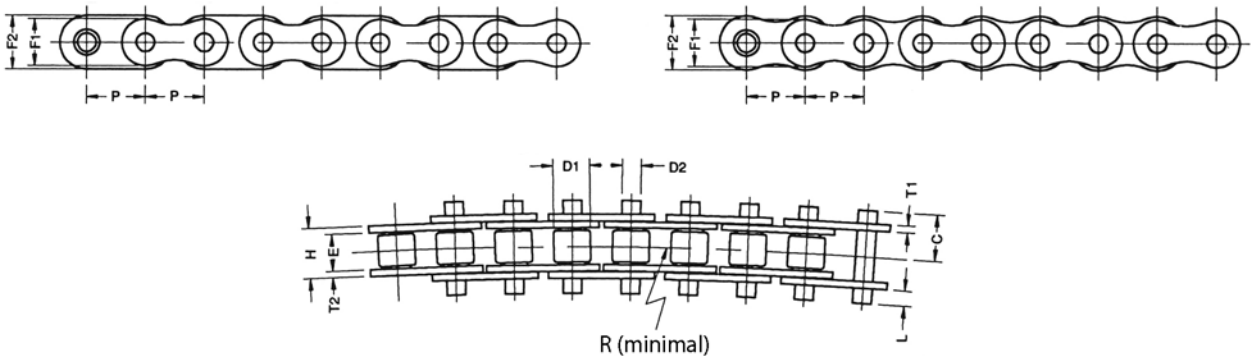
American Standard



SIDE BOW



EXTENDED PITCH



SPECIAL SIDE BOW CHAIN

American Standard Side Bow Chain

ASA 40, 50, 60, 80, 2040, 2050, 2060 2080 and Special 43 & 63 to ISO 606

Side Bow

Chain no.	Pitch x Width (P x E)		Roller	Pin				Links					Avg. ulti. tensile strength	Weight approx.	Connecting links
			D1	C	B1	B2	D2	T	H	F1	F2	R min.			
	inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kgf	kg/m	
QASA40SB	1/2 x 5/16	12.7 x 7.92	7.92	8.46	9.94	11.24	3.98	1.49	11.17	10.41	12.06	356	1480	0.61	A E G
QASA50SB	5/8 x 3/8	15.875 x 9.52	10.16	10.68	12.08	13.13	5.09	2.01	13.84	13.01	15.08	406	2460	1	A E G
QASA60SB	3/4 x 1/2	19.01 x 12.70	11.91	13.28	14.68	16.23	5.96	2.38	17.75	15.64	18.09	508	3450	1.43	A E G
QASA80SB	1 x 5/8	25.4 x 15.88	15.87	17.18	18.57	19.92	7.94	3.18	22.6	20.82	24.13	600	5800	2.53	A E G

Extended Pitch

QC2040SB	1 x 5/16	25.4 x 7.92	7.92	8.46	9.94	11.24	3.98	1.49	11.17	-	12.06	700	1480	0.47	A E G
QC2050SB	1 1/4 x 3/8	31.75 x 9.52	10.16	10.68	12.08	13.13	5.09	2.01	13.84	-	15.08	800	2460	0.8	A E G
QC2060SB	1 1/2 x 1/2	38.1 x 12.70	11.91	13.28	14.68	16.23	5.96	2.38	17.75	-	18.09	1000	3450	1.13	A E G
QC2080SB	2 x 5/8	50.8 x 15.88	15.78	17.18	18.57	19.92	7.94	3.18	22.6	-	24.13	1200	5800	2.06	A E G

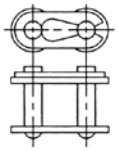
Special Side Bow Chain - 43SB & 63 SB

Chain No.	Pitch x Width (P x E)		Roller	Pin			Links						Avg. ulti. tensile strength	Weight approx.	Connecting links
			D1	C	D2	L	T1	T2	H	F1	F2	R min.			
	inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kgf	kg/m	
Q43SB	1/2 x 5/16	12.7 x 7.92	7.92	9.26	3.45	1.8	1.49	1.49	11.17	10.41	12.06	305	1250	0.6	A C
Q43SB NP	1/2 x 5/16	12.7 x 7.92	7.92	9.26	3.45	1.8	1.49	1.49	11.17	10.41	12.06	305	1250	0.6	A C
Q43SB SS	1/2 x 5/16	12.7 x 7.92	7.92	9.26	3.45	1.8	1.49	1.49	11.17	10.41	12.06	305	1050	0.6	A C
Q63SB	3/4 x 1/2	19.01 x 12.70	11.91	14.52	5.09	3.2	2.01	2.38	17.75	15.64	18.09	356	2600	1.4	A C
Q63SB NP	3/4 x 1/2	19.01 x 12.70	11.91	14.52	5.09	3.2	2.01	2.38	17.75	15.64	18.09	356	2600	1.4	A C
Q63SB SS	3/4 x 1/2	19.01 x 12.70	11.91	14.52	5.09	3.2	2.01	2.38	17.75	15.64	18.09	356	2200	1.4	A C

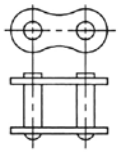
NP - Nickel Plated. SS - Stainless Steel

NB: Some of the items on this page may be non-stock. Please contact our Sales Department for confirmation.

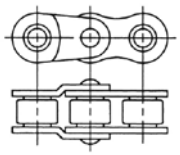
Connecting links



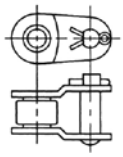
A Spring clip



C Snap-on



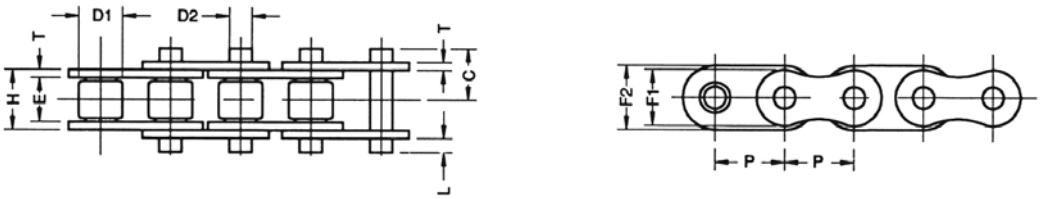
E Double crank



G Crank straight link

ASA 43 & 63 Snap-On Chain

American Standard



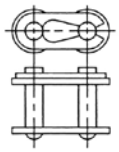
SNAP ON CHAIN

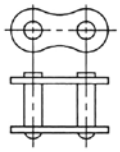
Chain no.	Pitch x Width (P x E)		Roller	Pin			Links				Avg. ulti. tensile strength	Weight approx.	Connecting links
			D1	C	D2	L	T	H	F1	F2			
	inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	kgf	kg/m	
Q43SNAP	1/2 x 5/16	12.7 x 7.92	7.92	8.96	3.97	1.8	1.49	11.17	10.41	12.06	1800	0.65	A C D F
Q43SNAP NP	1/2 x 5/16	12.7 x 7.92	7.92	8.96	3.97	1.8	1.49	11.17	10.41	12.06	1800	0.65	A C D F
Q43SNAP SS	1/2 x 5/16	12.7 x 7.92	7.92	8.96	3.97	1.8	1.49	11.17	10.41	12.06	1440	0.65	A C D F
Q63SNAP	3/4 x 1/2	19.01 x 12.70	11.91	14.13	5.95	3.8	2.38	17.75	15.64	18.09	4200	1.52	A C D F
Q63SNAP NP	3/4 x 1/2	19.01 x 12.70	11.91	14.13	5.95	3.8	2.38	17.75	15.64	18.09	4200	1.52	A C D F
Q63SNAP SS	3/4 x 1/2	19.01 x 12.70	11.91	14.13	5.95	3.8	2.38	17.75	15.64	18.09	2650	1.52	A C D F

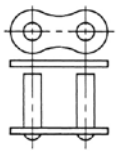
NP - Nickel Plated. SS - Stainless Steel

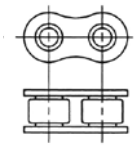
NB: Some of the items on these pages may be non-stock. Please contact our Sales Department for confirmation.

Connecting links


A Spring clip


C Snap-on

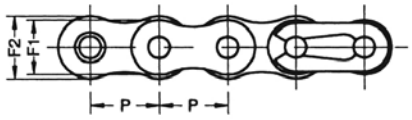

D Rivet link

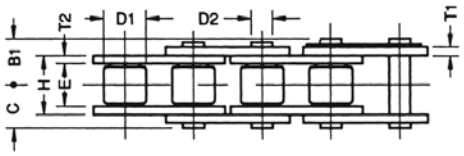

F Roller link

Bicycle & Motorcycle Chain

TYC

Bicycle and Motorcycle





SIMPLEX TO ISO 606

Bicycle Chain

Chain no.	Pitch x Width (P x E)		Roller	Pin			Links					Avg. ulti. tensile strength	Weight approx.	Connecting links
			D1	C	B1	D2	T1	T2	H	F1	F2			
	inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kgf	kg/m	
Q408	1/2 x 3/32	12.7 x 2.40	7.75	3.94	3.94	3.62	1.02	1.02	4.56	8.5	9.9	1000	0.25	ADEFG
Q410	1/2 x 1/8	12.7 x 3.45	7.75	4.64	5.74	3.62	1.02	1.02	5.58	8.5	9.9	1000	0.28	ACDEFGH
Q415	1/2 x 3/16	12.7 x 4.88	7.75	5.4	6.5	3.62	1.02	1.02	6.98	8.5	9.9	1000	0.32	ACDEFGH
Q510	5/8 x 1/8	15.875 x 3.45	7.75	4.64	5.74	3.62	1.02	1.02	5.58	8.5	9.9	1000	0.3	ADEFGH
Q515	5/8 x 3/16	15.875 x 4.88	7.75	5.4	6.5	3.62	1.02	1.02	6.98	8.5	9.9	1000	0.31	ADEFGH

Motorcycle Chain

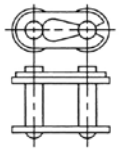
Q415B	1/2 x 3/16	12.7 x 4.88	7.75	6.17	7.27	4.09	1.28	1.28	7.65	9.7	11.45	1550	0.44	ADEFG
Q415H	1/2 x 3/16	12.7 x 4.88	7.75	6.4	7.6	4.19	1.49	1.49	8.05	9.7	11.45	1700	0.49	ADEFG
Q420	1/2 x 1/4	12.7 x 6.35	7.75	7.2	8.34	3.98	1.49	1.49	9.75	10.41	12.06	1800	0.57	ADEFG
Q428	1/2 x 5/16	12.7 x 7.95	8.51	8.1	9.17	4.45	1.49	1.49	11.3	10.92	11.81	1850	0.66	ADEFG
Q428H	1/2 x 5/16	12.7 x 7.95	8.51	9.1	10.31	4.45	2.01	2.01	12.34	10.92	11.81	2300	0.78	ADEFG
Q520	5/8 x 1/4	15.875 x 6.4	10.16	8.3	9.43	5.09	2.01	2.01	10.71	13.01	15.08	3000	0.89	ADEFG
Q520H	5/8 x 1/4	15.875 x 6.4	10.16	9.2	10.48	5.34	2.38	2.38	11.45	13.01	15.08	3400	1.01	ADEF
Q530	5/8 x 3/8	15.875 x 9.53	10.16	10	11.28	5.09	2.01	2.01	13.84	13.01	15.08	3000	1.01	ADEFG
Q530H	5/8 x 3/8	15.875 x 9.53	10.16	10.9	12.18	5.34	2.38	2.38	14.58	13.01	15.08	3400	1.14	ADEF

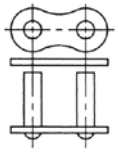
Non-Standard Chain

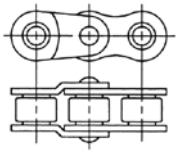
Q423	1/2 x 1/4	12.7 x 6.35	8.51	7.24	8.34	4.45	1.49	1.49	9.75	10.92	11.81	1850	0.6	ADEFG

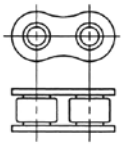
NB: Some of the items on these pages may be non-stock. Please contact our Sales Department for confirmation.

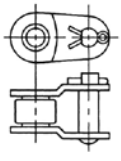
Connecting links

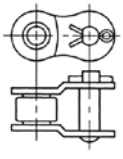

A Spring clip


D Rivet link


E Double crank


F Roller link


G Crank straight link

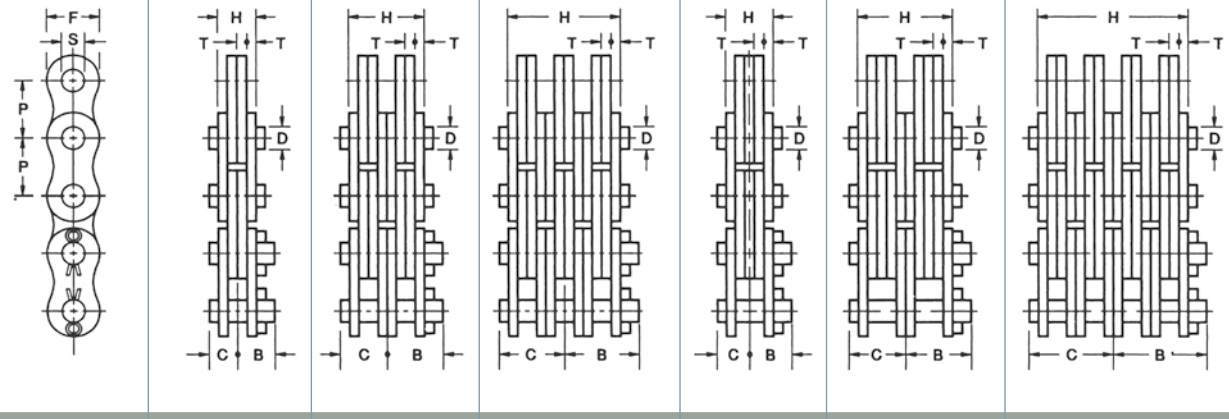

H Crank waisted link

AL Leaf Chain

504

TYCO

American Standard



TYPE AL	2x2	4x4	6x6	2x3	4x6	8x8

Chain no.	Pitch		Lacing	Pin			Links				Avg. ulti. tensile strength	Weight approx.
	P			C	B	D	S	T	H	F		
	inch	mm		mm	mm	mm	mm	mm	mm	mm	kgf	kg/m
AL222	1/4	6.35	2 x 2	2.41	3.41	2.32	3.34	0.76	3.40	5.01	420	0.09
AL322	3/8	9.525	2 x 2	3.51	5.26	3.59	3.62	1.28	5.44	7.80	1050	0.21
AL422	1/2	12.70	2 x 2	4.15	6.15	3.98	4.0	1.49	6.45	10.41	1800	0.35
AL444	1/2	12.70	4 x 4	7.30	9.35	3.98	4.0	1.49	12.90	10.41	3600	0.69
AL466	1/2	12.70	6 x 6	10.37	12.37	3.98	4.0	1.49	19.35	10.41	5400	1.03
AL522	5/8	15.875	2 x 2	5.35	7.55	5.09	5.12	2.01	8.48	13.01	3000	0.58
AL523	5/8	15.875	2 x 3	6.43	8.68	5.09	5.12	2.01	8.48	13.01	3010	0.72
AL544	5/8	15.875	4 x 4	9.30	11.55	5.09	5.12	2.01	16.96	13.01	6000	1.14
AL566	5/8	15.875	6 x 6	13.60	16.20	5.09	5.12	2.01	25.45	13.01	9000	1.69
AL622	3/4	19.05	2 x 2	6.42	8.92	5.96	5.98	2.38	9.91	15.64	4200	0.79
AL644	3/4	19.05	4 x 4	11.17	13.77	5.96	5.98	2.38	19.81	15.64	8400	1.53
AL646	3/4	19.05	4 x 6	13.57	16.17	5.96	5.98	2.38	24.77	15.64	8400	1.91
AL666	3/4	19.05	6 x 6	16.05	18.60	5.96	5.98	2.38	29.72	15.64	12600	2.29
AL688	3/4	19.05	8 x 8	20.95	23.70	5.96	5.98	2.38	39.62	15.64	16800	3.05
AL822	1	25.40	2 x 2	8.62	11.62	7.94	7.96	3.18	13.41	20.82	7200	1.44
AL844	1	25.40	4 x 4	14.95	19.05	7.94	7.96	3.18	26.82	20.82	14400	2.81
AL866	1	25.40	6 x 6	21.52	25.57	7.94	7.96	3.18	40.23	20.82	21600	4.20
AL888	1	25.40	8 x 8	28.65	32.05	7.94	7.96	3.18	53.64	20.82	28800	5.57
AL1044	1 1/4	31.75	4 x 4	18.84	21.94	9.54	9.57	3.99	33.12	26.03	23000	4.69
AL1066	1 1/4	31.75	6 x 6	26.89	30.79	9.54	9.57	3.99	49.68	26.03	34000	6.99
AL1088	1 1/4	31.75	8 x 8	35.19	38.99	9.54	9.57	3.99	66.24	26.03	46000	9.29
AL1244	1 1/2	38.10	4 x 4	22.33	26.43	11.11	11.14	4.80	39.62	31.24	29600	6.24
AL1266	1 1/2	38.10	6 x 6	31.88	36.78	11.11	11.14	4.80	59.44	31.24	44400	9.30
AL1288	1 1/2	38.10	8 x 8	41.83	46.73	11.11	11.14	4.80	79.25	31.24	59200	12.37
AL1444	1 3/4	44.45	4 x 4	25.77	31.07	12.71	12.75	5.57	46.60	36.44	43000	9.15
AL1466	1 3/4	44.45	6 x 6	37.27	41.97	12.71	12.75	5.57	69.60	36.44	65000	13.70
AL1488	1 3/4	44.45	8 x 8	48.62	53.62	12.71	12.75	5.57	92.60	36.44	86700	18.30
AL1644	2	50.8	4 x 4	29.26	33.96	14.29	14.33	6.49	52.9	41.65	57100	11.3
AL1666	2	50.8	6 x 6	42.51	46.81	14.29	14.33	6.49	79.6	41.65	85800	16.9
AL1688	2	50.8	8 x 8	55.61	60.61	14.29	14.33	6.49	105.2	41.65	114000	22.6

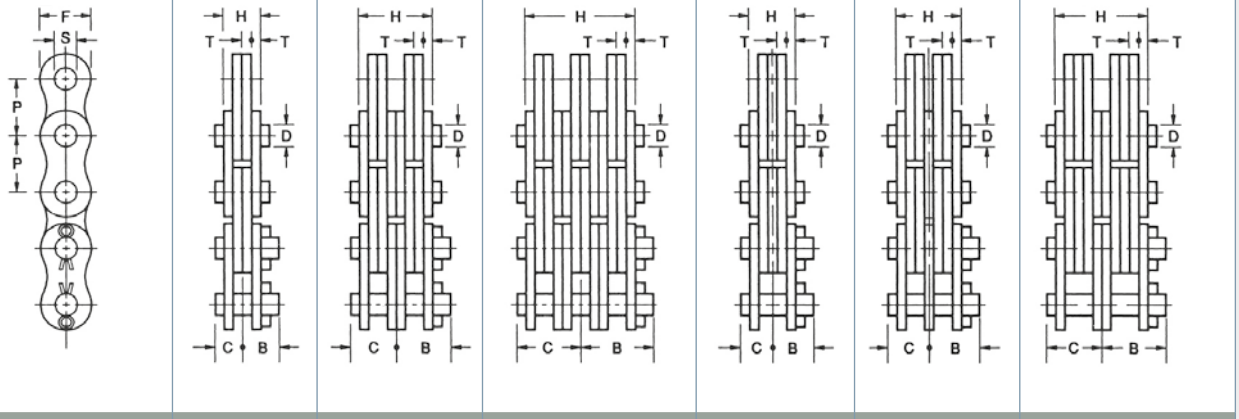
AL series leaf chain is comprised of link plates, having the same contour, pitch and thickness as those of pin link plates of the same pitch ANSI standard roller chain. The pins are the same diameter as that of the same pitch ANSI standard roller chain.

BL Leaf Chain





American Standard



TYPE BL	2x2	4x4	6x6	2x3	3x4	4x6

Chain no.	Pitch		Lacing	Pin			Links				Avg. ulti. tensile strength	Approx. weight
	P			C	B	D	S	T	H	F		
	inch	mm		mm	mm	mm	mm	mm	mm	mm	kgf	kg/m
BL422	1/2	12.70	2 x 2	5.38	7.58	5.09	5.12	2.01	8.48	12.06	2700	0.58
BL423	1/2	12.70	2 x 3	6.43	8.68	5.09	5.12	2.01	10.62	12.06	2700	0.72
BL434	1/2	12.70	3 x 4	8.30	11.05	5.09	5.12	2.01	14.86	12.06	4050	1.00
BL444	1/2	12.70	4 x 4	9.30	12.10	5.09	5.12	2.01	16.97	12.06	5400	1.13
BL446	1/2	12.70	4 x 6	11.65	13.90	5.09	5.12	2.01	21.21	12.06	5400	1.42
BL466	1/2	12.70	6 x 6	13.60	16.20	5.09	5.12	2.01	25.45	12.06	8100	1.69
BL522	5/8	15.875	2 x 2	6.42	8.92	5.96	5.98	2.38	9.91	15.08	4250	0.87
BL523	5/8	15.875	2 x 3	7.57	10.12	5.96	5.98	2.38	12.40	15.08	4250	1.06
BL534	5/8	15.875	3 x 4	10.02	12.57	5.96	5.98	2.38	17.35	15.08	6400	1.49
BL544	5/8	15.875	4 x 4	11.17	13.77	5.96	5.98	2.38	19.81	15.08	8500	1.69
BL546	5/8	15.875	4 x 6	13.57	16.17	5.96	5.98	2.38	24.77	15.08	8500	2.10
BL566	5/8	15.875	6 x 6	16.05	18.60	5.96	5.98	2.38	29.72	15.08	12750	2.52
BL622	3/4	19.05	2 x 2	8.62	11.62	7.94	7.96	3.18	13.41	18.10	6550	1.44
BL623	3/4	19.05	2 x 3	9.97	13.87	7.94	7.96	3.18	16.76	18.10	6550	1.77
BL634	3/4	19.05	3 x 4	13.30	17.40	7.94	7.96	3.18	23.47	18.10	10000	2.45
BL644	3/4	19.05	4 x 4	14.95	19.05	7.94	7.96	3.18	26.82	18.10	13200	2.79
BL646	3/4	19.05	4 x 6	18.25	22.35	7.94	7.96	3.18	33.53	18.10	13200	3.47
BL666	3/4	19.05	6 x 6	21.52	25.77	7.94	7.96	3.18	40.23	18.10	19800	4.15
BL822	1	25.40	2 x 2	10.44	14.09	9.54	9.56	3.99	16.56	24.13	10500	2.30
BL823	1	25.40	2 x 3	12.59	16.04	9.54	9.56	3.99	20.70	24.13	10500	2.86
BL834	1	25.40	3 x 4	16.54	20.44	9.54	9.56	3.99	28.98	24.13	15500	3.96
BL844	1	25.40	4 x 4	18.84	21.94	9.54	9.56	3.99	33.12	24.13	21000	4.52
BL846	1	25.40	4 x 6	22.84	26.44	9.54	9.56	3.99	41.40	24.13	21000	5.61
BL866	1	25.40	6 x 6	26.89	30.79	9.54	9.56	3.99	49.68	24.13	30000	6.72

BL series leaf chains are comprised of link plates having the same contour and pitch as those of the roller link plates of the same pitch ANSI standard roller chains, but with thickness of links and pin diameters of the next size pitch ANSI standard roller chains. BL series have higher working loads and better wear life because of the larger pin diameters and thicker link plates. For higher load applications, BL series is recommended.

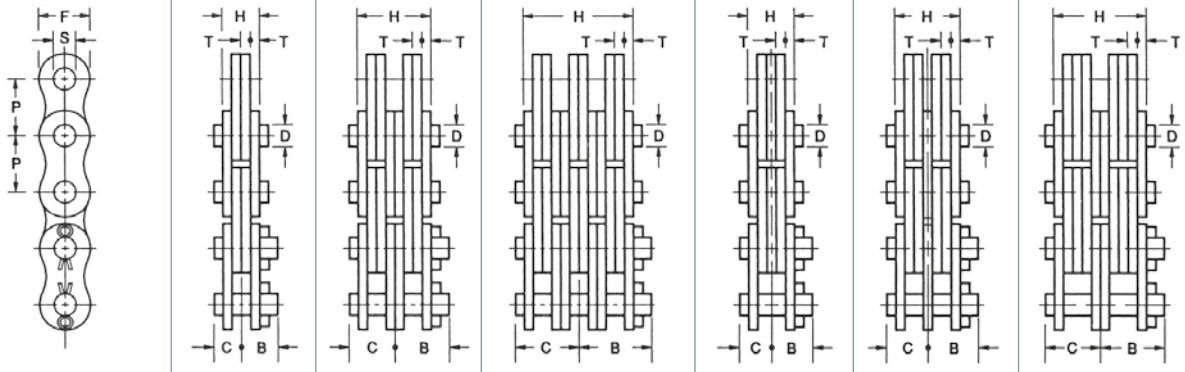
NB: Some of the items on these pages may be non-stock. Please contact our Sales Department for confirmation.

CONTINUED OVERLEAF

BL Leaf Chain (continued)



American Standard



TYPE BL	2x2	4x4	6x6	2x3	3x4	4x6

Chain no.	Pitch		Lacing	Pin			Links				Avg. ulti. tensile strength	Approx. weight
	P			C	B	D	S	T	H	F		
	inch	mm		mm	mm	mm	mm	mm	mm	mm	kgf	kg/m
BL1022	1 1/4	31.75	2 x 2	12.70	16.88	11.11	11.14	4.80	19.81	30.16	15000	3.66
BL1023	1 1/4	31.75	2 x 3	15.18	19.28	11.11	11.14	4.80	24.77	30.16	15000	4.54
BL1034	1 1/4	31.75	3 x 4	19.98	24.08	11.11	11.14	4.80	34.67	30.16	22500	6.30
BL1044	1 1/4	31.75	4 x 4	22.33	26.43	11.11	11.14	4.80	39.62	30.16	30000	7.18
BL1046	1 1/4	31.75	4 x 6	27.13	31.23	11.11	11.14	4.80	49.53	30.16	30000	8.94
BL1066	1 1/4	31.75	6 x 6	31.88	36.78	11.11	11.14	4.80	59.44	30.16	45000	10.69
BL1222	1 1/2	38.10	2 x 2	14.52	19.82	12.71	12.74	5.57	23.27	36.19	20000	5.03
BL1223	1 1/2	38.10	2 x 3	17.32	22.62	12.71	12.74	5.57	29.08	36.19	20000	6.25
BL1234	1 1/2	38.10	3 x 4	22.92	28.32	12.71	12.74	5.57	40.72	36.19	30000	8.69
BL1244	1 1/2	38.10	4 x 4	25.77	31.07	12.71	12.74	5.57	46.53	36.19	40000	9.91
BL1246	1 1/2	38.10	4 x 6	31.37	36.67	12.71	12.74	5.57	58.17	36.19	40000	12.34
BL1266	1 1/2	38.10	6 x 6	37.27	41.97	12.71	12.74	5.57	69.80	36.19	60000	14.78
BL1422	1 3/4	44.45	2 x 2	16.31	21.61	14.29	14.31	6.49	26.42	42.22	24000	6.76
BL1423	1 3/4	44.45	2 x 3	19.46	24.76	14.29	14.31	6.49	33.22	42.22	24000	8.40
BL1434	1 3/4	44.45	3 x 4	26.01	31.31	14.29	14.31	6.49	46.23	42.22	36000	11.70
BL1444	1 3/4	44.45	4 x 4	29.26	34.56	14.29	14.31	6.49	52.83	42.22	48000	13.35
BL1466	1 3/4	44.45	6 x 6	18.00	23.00	14.29	14.31	6.49	79.25	42.22	72000	19.92
BL1622	2	50.80	2 x 2	—	—	17.46	17.52	7.14	29.5	48.26	35000	8.25
BL1623	2	50.80	2 x 3	—	—	17.46	17.52	7.14	36.9	48.26	35000	10.20
BL1634	2	50.80	3 x 4	29.44	34.94	17.46	17.52	7.14	51.5	48.26	63000	14.20
BL1644	2	50.80	4 x 4	33.09	38.69	17.46	17.52	7.14	58.8	48.26	71200	16.20
BL1646	2	50.80	4 x 6	40.34	45.84	17.46	17.52	7.14	73.3	48.26	71200	20.30
BL1666	2	50.80	6 x 6	47.59	53.09	17.46	17.52	7.14	87.8	48.26	106800	24.30
BL1688	2	50.80	6 x 6	62.09	67.59	17.46	17.52	7.14	87.8	48.26	141470	31.45

BL series leaf chains are comprised of link plates having the same contour and pitch as those of the roller link plates of the same pitch ANSI standard roller chains, but with thickness of links and pin diameters of the next size pitch ANSI standard roller chains. BL series have higher working loads and better wear life because of the larger pin diameters and thicker link plates. For higher load applications, BL series is recommended.

NB: Some of the items on these pages may be non-stock. Please contact our Sales Department for confirmation.







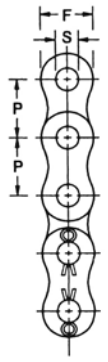


LL Leaf Chain

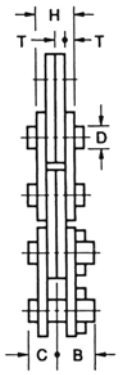




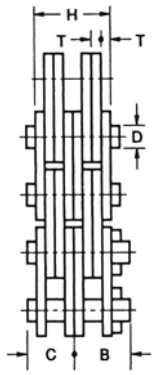
British Standard



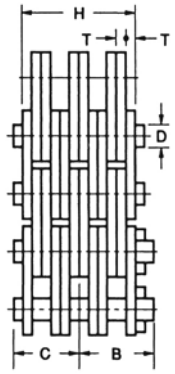
TYPE LL



2x2



4x4



6x6

Chain no.	Pitch		Lacing	Pin			Links				Avg. ulti. tensile strength	Weight approx.
	P			C	B	D	S	T	H	F		
	inch	mm		mm	mm	mm	mm	mm	mm	mm	kgf	kg/m
LL0622*	3/8	9.525	2 x 2	2.88	4.48	3.28	3.29	1.02	4.3	8.80	1100	0.23
LL0644*	3/8	9.525	4 x 4	4.93	6.53	3.28	3.29	1.02	8.55	8.80	2200	0.45
LL0666*	3/8	9.525	6 x 6	7.13	8.73	3.28	3.29	1.02	12.80	8.80	3300	0.66
LL0822	1/2	12.70	2 x 2	4.31	6.41	4.45	4.46	1.60	6.75	10.90	2000	0.37
LL0844	1/2	12.70	4 x 4	7.66	9.76	4.45	4.46	1.60	13.45	10.90	4000	0.72
LL0866	1/2	12.70	6 x 6	11.06	13.16	4.45	4.46	1.60	20.05	10.90	6000	1.07
LL1022	5/8	15.875	2 x 2	4.48	6.58	5.08	5.09	1.60	6.75	13.70	2500	0.45
LL1044	5/8	15.875	4 x 4	7.83	9.93	5.08	5.09	1.60	13.45	13.70	5000	0.89
LL1066	5/8	15.875	6 x 6	11.23	13.33	5.08	5.09	1.60	20.05	13.70	7500	1.33
LL1222	3/4	19.05	2 x 2	5.09	7.59	5.72	5.73	1.80	7.60	16.10	3800	0.65
LL1244	3/4	19.05	4 x 4	8.99	11.49	5.72	5.73	1.80	15.10	16.10	7600	1.28
LL1266	3/4	19.05	6 x 6	12.79	15.29	5.72	5.73	1.80	22.60	16.10	11400	1.91
LL1622	1	25.4	2 x 2	8.21	11.71	8.28	8.29	3.00	12.65	21.10	7345	1.30
LL1644	1	25.4	4 x 4	15.01	18.51	8.28	8.29	3.00	25.15	21.10	14690	2.58
LL1666	1	25.4	6 x 6	21.46	24.96	8.28	8.29	3.00	37.65	21.10	22035	3.83
LL2022	1 1/4	31.75	2 x 2	9.58	13.52	10.19	10.23	3.50	14.80	26.40	11000	2.00
LL2044	1 1/4	31.75	4 x 4	16.85	20.85	10.19	10.23	3.50	29.90	26.40	22000	3.92
LL2066	1 1/4	31.75	6 x 6	24.10	28.10	10.19	10.23	3.50	44.93	26.40	33100	5.84
LL2422	1 1/2	38.7	2 x 2	13.67	18.67	14.63	14.68	5.00	21.10	33.40	19800	4.1
LL2444	1 1/2	38.7	4 x 4	24.17	29.17	14.63	14.68	5.00	42.0	33.40	39500	8.0
LL2466	1 1/2	38.7	6 x 6	34.67	39.67	14.63	14.68	5.00	62.7	33.40	59300	11.8

* LL series leaf chain is comprised of link plates, having the same contour, and pitch as those of roller link plates of the same pitch DIN standard roller chain. The pins are the same diameter as that of the same pitch British standard roller chain.

NB: Some of the items on these pages may be non-stock. Please contact our Sales Department for confirmation.

Witra®
Proof of Quality

Witra Chains



GERMAN QUALITY

STEEL, STAINLESS STEEL & NICKEL

BS & ASA ROLLER CHAIN

STRAIGHT SIDED CHAIN

EXTENDED PITCH CHAIN

ATTACHMENT & LEAF CHAIN



Witra® Proof of Quality

WITRA® INDUSTRIAL CHAINS

A wide range of standard chains with high quality guaranteed

Introduction

Wippermann also offer a wide range of standard chains made by several renowned overseas manufacturers, under the brand name Witra (Wippermann jr. GmbH Trading). The continuously high quality is guaranteed by strict quality agreements as well as regular checks in manufacturing plants.

Applications

Witra® chain is used for varied applications, e.g.

- Agricultural machinery
- Assembly plants
- Car wash systems
- Container carriers
- Conveyors
- Food packaging plants
- Galvanizing plants
- High rack warehouse technology
- Laundry machines
- Lift trucks and hoisting
- Packaging machines
- Painting plants
- Plants for the pharmaceutical industry
- Production plants for the electrical industry
- Solar cleaning plants
- Warehouse and packaging plants
- Water-management facilities

If you can't find your application we will develop the perfect solution together with you.

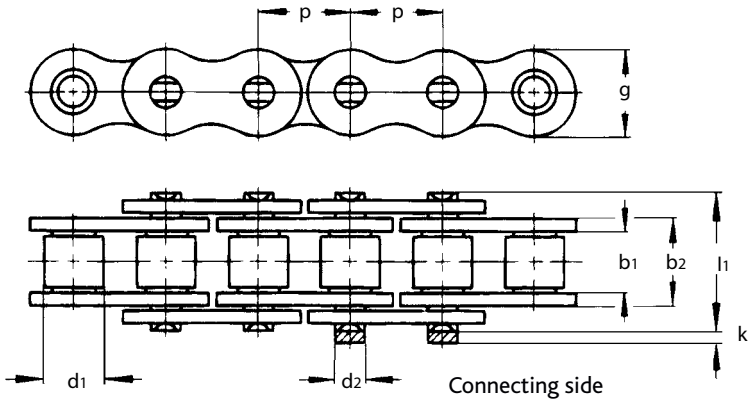




Simplex Roller Chains to ISO 606

Witra Proof of Quality

British Standard



SIMPLEX TO ISO 606

Chain		ISO	Pitch		Inner width	Inner link width	Roller Ø	Pin Ø	Plate height	Project. over conn. link	Width over pin	Bearing area	Breaking load ISO	Weight	Connecting links
			p		b_1	b_2	d_1	d_2	g	k	l_1	f	F_B	q	
					min.	max.	max.	max.	max.	max.	max.		min.	≈	
No.	Ind.	No.	mm	inch	mm	mm	mm	mm	mm	mm	mm	cm^2	N	kg/m	Type
W04B-1		04	6	-	2,80	4,10	4,00	1,85	5,1	2,9	7,4	0,08	3 000	0,11	A, E, C
W05B-1		05 B-1	8	-	3,00	4,77	5,00	2,31	7,1	3,1	8,6	0,11	5 000	0,18	A, E, C
W06B-1	[1]	06 B-1	9,525	3/8	5,72	8,53	6,35	3,28	8,2	3,3	13,5	0,28	9 000	0,39	A, E, L, C
W08B-1		08 B-1	12,7	1/2	7,75	11,30	8,51	4,45	11,8	3,9	17,0	0,50	18 000	0,68	A, E, L, C
W081		081	12,7	1/2	3,30	5,80	7,75	3,66	9,9	1,5	10,2	0,21	8 200	0,28	A, E, L, C
W083		083	12,7	1/2	4,88	7,90	7,75	4,09	10,3	1,5	10,6	0,32	12 000	0,42	A, E, L
W084		084	12,7	1/2	4,88	8,80	7,75	4,09	11,1	1,5	11,5	0,36	16 000	0,59	A, E
W10B-1		10 B-1	15,875	5/8	9,65	13,28	10,16	5,08	14,7	4,1	19,6	0,67	22 400	0,91	A, E, S, L, C
W12B-1		12 B-1	19,05	3/4	11,68	15,62	12,07	5,72	16,1	4,6	22,7	0,89	29 000	1,12	A, E, S, L, C
W12-HB-1		12 B-H	19,05	3/4	11,68	16,46	12,07	6,05	18,1	3,6	24,8	1,05	40 000	1,51	A, E, S, L
W16B-1		16 B-1	25,4	1	17,02	25,40	15,88	8,28	21,0	5,4	36,1	2,10	60 000	2,64	A, E, S, L, C
W20B-1		20 B-1	31,75	1 1/4	19,56	29,00	19,05	10,19	26,4	6,1	43,2	2,96	95 000	3,68	A, E, S, L
W24B-1		24 B-1	38,1	1 1/2	25,40	37,90	25,40	14,63	33,4	6,6	53,4	5,54	160 000	7,16	A, S, L, C
W28B-1		28 B-1	44,45	1 3/4	30,99	46,50	27,94	15,90	37,0	7,4	65,1	7,39	200 000	7,53	A, S, L, C
W32B-1		32 B-1	50,8	2	30,99	45,50	29,21	17,81	42,2	7,9	67,4	8,10	250 000	9,84	A, S, L, C
W40B-1		40 B-1	63,5	2 1/2	38,10	55,70	39,37	22,89	52,9	10,0	82,6	12,75	355 000	16,99	A, S, L
W48B-1		48 B-1	76,2	3	45,72	70,50	48,26	29,24	63,8	10,0	99,1	20,61	560 000	23,92	A, S, L
W56B-1		56 B-1	88,9	3 1/2	53,34	81,30	53,98	34,32	77,8	11,7	114,6	27,90	850 000	35,78	A, S

[1] With straight side plates only.

NB: Some of the items on these pages may be non-stock. Please contact our Sales Department for confirmation.

Connecting links:



No. 7 (A)
Outer link
(to be riveted)



No. 11 (E)
Spring clip
connecting link



No. 111 (S)
Connecting link
with cottered pin



No. 12 (L)
Single cranked link

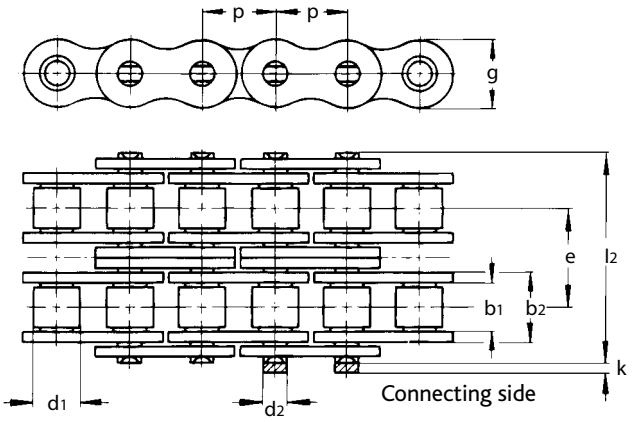


No. 15 (C)
Double cranked link

Duplex Roller Chains to ISO 606

Witra Proof of Quality

British Standard



DUPLEX TO ISO 606

Chain		ISO	Pitch		Inner width	Inner link width	Roller Ø	Pin Ø	Transverse pitch	Plate height	Project. over conn. link	Width over pin	Bearing area	Breaking load ISO	Weight	Connecting links
			p		b_1	b_2	d_1	d_2	e	g	k	l_2	f	F_B	q	
					min.	max.	max.	max.		max.	max.	max.		min.	≈	
No.	Ind.	No.	mm	inch	mm	mm	mm	mm	mm	mm	mm	mm	cm²	N	kg/m	Type
W05B-2		05 B-2	8	-	3,00	4,77	5,00	2,31	5,64	7,1	3,1	14,3	0,22	7 800	0,34	A, E, C
W06B-2	1	06 B-2	9,525	3/8	5,72	8,53	6,35	3,28	10,24	8,2	3,3	23,8	0,56	16 900	0,74	A, E, L, C
W08B-2		08 B-2	12,7	1/2	7,75	11,30	8,51	4,45	13,92	11,8	3,9	31,0	1,01	32 000	1,35	A, E, L, C
W10B-2		10 B-2	15,875	5/8	9,65	13,28	10,16	5,08	16,59	14,7	4,1	36,2	1,34	44 500	1,79	A, E, S, L, C
W12B-2		12 B-2	19,05	3/4	11,68	15,62	12,07	5,72	19,46	16,1	4,6	42,2	1,79	57 800	2,22	A, E, S, L, C
W16B-2		16 B-2	25,4	1	17,02	25,40	15,88	8,28	31,88	21,0	5,4	68,0	4,21	106 000	5,13	A, E, S, L, C
W20B-2		20 B-2	31,75	1 1/4	19,56	29,00	19,05	10,19	36,45	26,4	6,1	79,0	5,91	170 000	7,72	A, E, S, L, C
W24B-2		24 B-2	38,1	1 1/2	25,40	37,90	25,40	14,63	48,36	33,4	6,6	101,4	11,09	280 000	14,15	A, S, L, C
W28B-2		28 B-2	44,45	1 3/4	30,99	46,50	27,94	15,90	59,56	37,0	7,4	124,0	14,79	360 000	14,91	A, S, L, C
W32B-2		32 B-2	50,8	2	30,99	45,50	29,21	17,81	58,55	42,2	7,9	126,0	16,21	450 000	19,68	A, S, L, C
W40B-2		40 B-2	63,5	2 1/2	38,10	55,70	39,37	22,89	72,29	52,9	10,0	154,0	25,50	630 000	33,61	A, S, L
W48B-2		48 B-2	76,2	3	45,72	70,50	48,26	29,24	91,21	63,8	10,0	190,4	41,23	1 000 000	47,50	A, S, L
W56B-2		56 B-2	88,9	3 1/2	53,34	81,30	53,98	34,32	106,60	77,8	11,7	221,2	55,80	1 600 000	71,48	A, S

[1] With straight side plates only.

NB: Some of the items on these pages may be non-stock. Please contact our Sales Department for confirmation.

Connecting links:



No. 7 (A)
Outer link
(to be riveted)



No. 11 (E)
Spring clip
connecting link



No. 111 (S)
Connecting link
with cottered pin



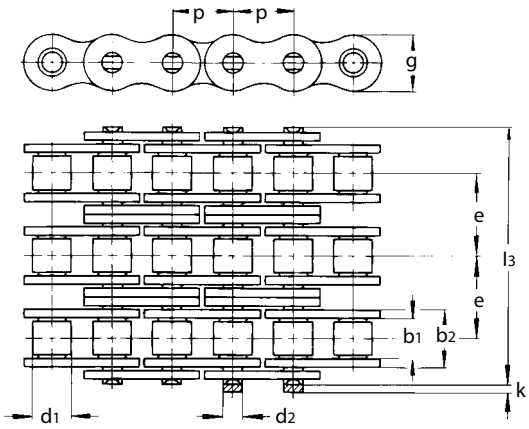
No. 12 (L)
Single cranked link



No. 15 (C)
Double cranked link

Triplex Roller Chains to ISO 606

British Standard



TRIPLEX TO ISO 606

Chain		ISO	Pitch		Inner width	Inner link width	Roller Ø	Pin Ø	Transverse pitch	Plate height	Project. over conn. link	Width over pin	Bearing area	Breaking load ISO	Weight	Connecting links
			p		b_1	b_2	d_1	d_2	e	g	k	l_3	f	F_B	q	
					min.	max.	max.	max.		max.	max.	max.		min.	≈	
No.	Ind.	No.	mm	inch	mm	mm	mm	mm	mm	mm	mm	mm	cm²	N	kg/m	Type
W06B-3	[1]	06 B-3	9,525	3/8	5,72	8,53	6,35	3,28	10,24	8,2	3,3	34,0	0,81	23 600	1,10	A, E, L, C
W08B-3		08 B-3	12,7	1/2	7,75	11,30	8,51	4,45	13,92	11,8	3,9	44,9	1,51	47 500	2,03	A, E, L, C
W10B-3		10 B-3	15,875	5/8	9,65	13,28	10,16	5,08	16,59	14,7	4,1	52,8	2,02	66 700	2,68	A, E, S, L, C
W12B-3		12 B-3	19,05	3/4	11,68	15,62	12,07	5,72	19,46	16,1	4,6	61,7	2,68	86 700	3,39	A, E, S, L, C
W16B-3		16 B-3	25,4	1	17,02	25,40	15,88	8,28	31,88	21,0	5,4	99,9	6,31	160 000	7,80	A, E, S, L, C
W20B-3		20 B-3	31,75	1 1/4	19,56	29,00	19,05	10,19	36,45	26,4	6,1	116,0	8,87	250 000	11,53	A, S, L, C
W24B-3		24 B-3	38,1	1 1/2	25,40	37,90	25,40	14,63	48,36	33,4	6,6	150,0	16,63	425 000	21,15	A, S, L, C
W28B-3		28 B-3	44,45	1 3/4	30,99	46,50	27,94	15,90	59,56	37,0	7,4	184,0	22,18	530 000	22,39	A, S, L, C
W32B-3		32 B-3	50,8	2	30,99	45,50	29,21	17,81	58,55	42,2	7,9	184,0	24,31	670 000	29,52	A, S, L, C
W40B-3		40 B-3	63,5	2 1/2	38,10	55,70	39,37	22,89	72,29	52,9	10,0	227,0	38,25	950 000	50,23	A, S, L
W48B-3		48 B-3	76,2	3	45,72	70,50	48,26	29,24	91,21	63,8	10,0	281,0	61,84	1 500 000	71,07	A, S, L
W56B-3		56 B-3	88,9	3 1/2	53,34	81,30	53,98	34,32	106,60	77,8	11,7	327,8	83,70	2 240 000	107,18	A, S

[1] With straight side plates only.

NB: Some of the items on these pages may be non-stock. Please contact our Sales Department for confirmation.

Connecting links



No. 7 (A)
Outer link
(to be riveted)



No. 11 (E)
Spring clip
connecting link



No. 111 (S)
Connecting link
with cottered pin



No. 12 (L)
Single cranked link

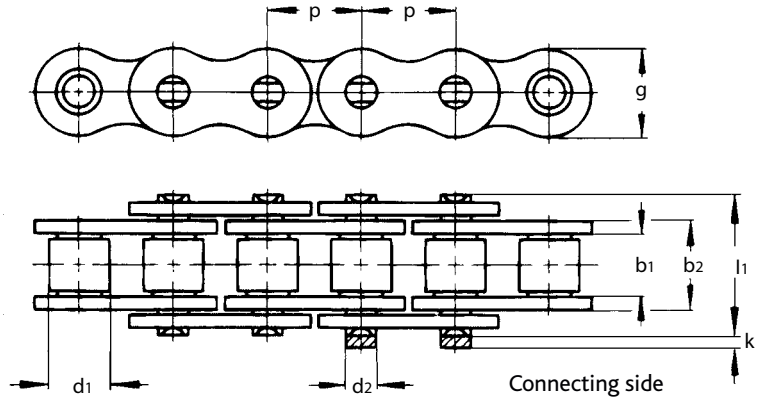


No. 15 (C)
Double cranked link

Simplex Roller Chains ASA / ISO 606

Witra Proof of Quality

American Standard



SIMPLEX ROLLER CHAINS ASA / ISO 606

Chain		ISO	Pitch			Inner width	Inner link width	Roller Ø	Pin Ø	Plate height	Project. over conn. link	Width over pin	Bearing area	Breaking load ISO	Weight	Connecting links
			p			b_1	b_2	d_1	d_2	g	k	l_1	f	F_B	q	
						min.	max.	max.	max.	max.	max.	max.		min.	≈	
No.	Ind.	No.	mm	inch		mm	mm	mm	mm	mm	mm	mm	cm²	N	kg/m	Type
W40-1		08 A-1	12,7		1/2	7,85	11,15	7,95	3,96	12,0	3,9	17,8	0,44	14 100	0,60	A, E, L, C
W50-1		10 A-1	15,875		5/8	9,40	13,80	10,16	5,08	15,0	4,1	21,8	0,70	22 200	1,04	A, E, L, C
W60-1		12 A-1	19,05		3/4	12,57	17,70	11,91	5,94	18,0	4,6	26,9	1,05	31 800	1,52	A, E, S, L, C
W60-GL-1	[1]	C12 A-1	19,05		3/4	12,57	17,70	11,91	5,94	18,0	4,6	26,9	1,05	31 800	1,58	A, E, L, C
W80-1		16 A-1	25,4	1		15,75	22,50	15,88	7,92	24,1	5,4	33,5	1,78	56 700	2,60	A, E, S, L, C
W100-1		20 A-1	31,75	1	1/4	18,90	27,40	19,05	9,53	30,1	6,1	41,1	2,61	88 500	4,01	A, S, L
W120-1		24 A-1	38,1	1	1/2	25,22	35,30	22,23	11,10	36,2	6,6	50,8	3,92	127 000	5,74	A, S, L
W140-1		28 A-1	44,45	1	3/4	25,22	37,00	25,40	12,70	42,2	7,4	54,9	4,70	172 400	7,66	A, S, L
W160-1		32 A-1	50,8	2		31,55	45,00	28,58	14,27	48,2	7,9	65,5	6,42	226 800	9,84	A, S, L

[1] With straight side plates only.

NB: Some of the items on these pages may be non-stock. Please contact our Sales Department for confirmation.

Connecting links



No. 7 (A)
Outer link
(to be riveted)



No. 11 (E)
Spring clip
connecting link



No. 111 (S)
Connecting link
with cottered pin



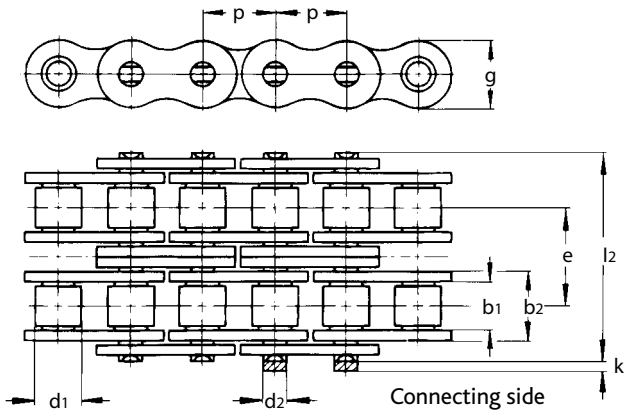
No. 12 (L)
Single cranked link



No. 15 (C)
Double cranked link

Duplex Roller Chains ASA / ISO 606

American Standard



DUPLEX ROLLER CHAINS ASA / ISO 606

Chain	ISO	Pitch		Inner width	Inner link width	Roller Ø	Pin Ø	Transverse pitch	Plate height	Project. over conn. link	Width over pin	Bearing area	Breaking load ISO	Weight	Connecting links
		p		b_1	b_2	d_1	d_2	e	g	k	l_2	f	F_B	q	
				min.	max.	max.	max.		max.	max.	max.		min.	≈	
No.	No.	mm	inch	mm	mm	mm	mm	mm	mm	mm	mm	cm²	N	kg/m	Type
W40-2	08 A-2	12,7	1/2	7,85	11,15	7,95	3,96	14,38	12,0	3,9	32,3	0,88	28 200	1,20	A, E, L, C
W50-2	10 A-2	15,875	5/8	9,40	13,80	10,16	5,08	18,11	15,0	4,1	39,9	1,40	44 400	1,78	A, E, L, C
W60-2	12 A-2	19,05	3/4	12,57	17,70	11,91	5,94	22,78	18,0	4,6	49,8	2,10	63 600	3,01	A, E, L, C
W80-2	16 A-2	25,4	1	15,75	22,50	15,88	7,92	29,29	24,1	5,4	62,7	3,56	113 400	5,15	A, E, L, C
W100-2	20 A-2	31,75	1 1/4	18,90	27,40	19,05	9,53	35,76	30,1	6,1	77,0	5,22	177 000	7,93	A, S, L
W120-2	24 A-2	38,1	1 1/2	25,22	35,30	22,23	11,10	45,44	36,2	6,6	96,3	7,84	254 000	11,37	A, S, L
W140-2	28 A-2	44,45	1 3/4	25,22	37,00	25,40	12,70	48,87	42,2	7,4	103,6	9,40	344 800	15,36	A, S, L
W160-2	32 A-2	50,8	2	31,55	45,00	28,58	14,27	58,55	48,2	7,9	124,2	12,84	453 600	19,53	A, S, L

NB: Some of the items on these pages may be non-stock. Please contact our Sales Department for confirmation.

Connecting links



No. 7 (A)
Outer link
(to be riveted)



No. 11 (E)
Spring clip
connecting link



No. 111 (S)
Connecting link
with cottered pin



No. 12 (L)
Single cranked link

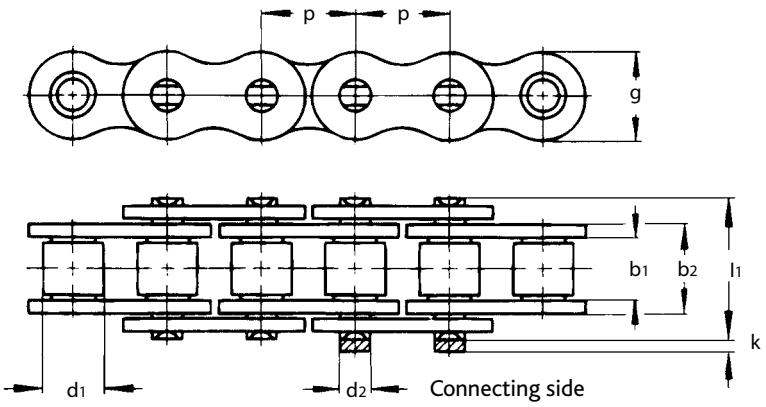


No. 15 (C)
Double cranked link

Simplex Roller Chains ASA / ISO 606 (Heavy Series)

Witra Proof of Quality

American Standard



SIMPLEX ROLLER CHAINS ASA ISO / 606 (HEAVY SERIES)

Chain		Pitch		Inner width	Inner link width	Roller Ø	Pin Ø	Plate height	Project. over conn. link	Width over pin	Bearing area	Breaking load ISO	Weight	Connecting links
		p		b_1	b_2	d_1	d_2	g	k	l_1	f	F_B	q	
				min.	max.	max.	max.	max.	max.	max.		min.	≈	
No.	Ind.	mm	inch	mm	mm	mm	mm	mm	mm	mm	cm²	N	kg/m	Type
W60H-1		19,05	3/4	12,57	19,43	11,91	5,96	18,0	4,6	30,2	1,16	31 300	1,81	A, E, L
W80H-1		25,4	1	15,75	24,28	15,88	7,94	24,1	5,4	37,4	1,92	55 600	3,00	A, E, L
W100H-1		31,75	1 1/4	18,90	29,10	19,05	9,54	30,1	6,1	44,5	2,77	87 000	4,38	A, S, L
W120H-1		38,1	1 1/2	25,22	37,18	22,23	11,11	36,2	6,6	55,0	4,13	125 000	6,61	A, S, L
W140H-1		44,45	1 3/4	25,22	38,86	25,40	12,71	42,2	7,4	59,0	4,94	170 000	8,33	A, S, L
W60HGL-1	[1]	19,05	3/4	12,57	19,43	11,91	5,96	18,0	4,6	30,2	1,16	31 300	1,81	A, E, L
W80HGL-1	[1]	25,4	1	15,75	24,28	15,88	7,94	24,1	5,4	37,4	1,92	55 600	3,00	A, E, L

[1] With straight side plates only.

NB: Some of the items on these pages may be non-stock. Please contact our Sales Department for confirmation.

Connecting links



No. 7 (A)
Outer link
(to be riveted)



No. 11 (E)
Spring clip
connecting link



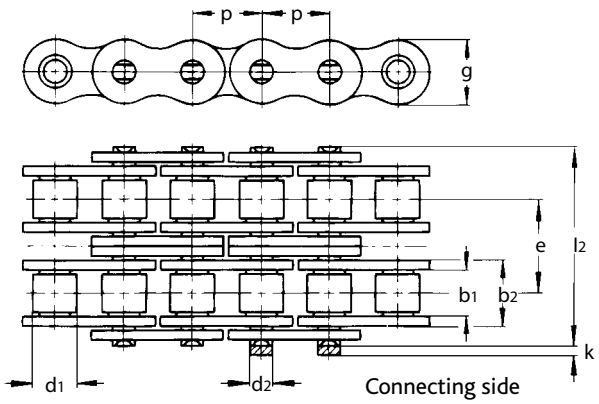
No. 111 (S)
Connecting link
with cottered pin



No. 12 (L)
Single cranked link

Duplex Roller Chains ASA / ISO 606 (Heavy Series)

American Standard



DUPLEX ROLLER CHAINS ASA / ISO 606 (HEAVY SERIES)

Chain	Pitch			Inner width	Inner link width	Roller Ø	Pin Ø	Transverse pitch	Plate height	Project. over conn. link	Width over pin	Bearing area	Breaking load ISO	Weight	Connecting links
	p			b_1	b_2	d_1	d_2	e	g	k	l_2	f	F_B	q	
				min.	max.	max.	max.		max.	max.	max.		min.	≈	
No.	mm	inch		mm	mm	mm	mm	mm	mm	mm	mm	cm²	N	kg/m	Type
W60H-2	19,05		3/4	12,57	19,43	11,91	5,96	26,11	18,1	4,6	56,3	2,27	62 600	3,71	A, E, L
W80H-2	25,4	1		15,75	24,28	15,88	7,94	32,59	24,1	5,4	70,0	3,79	112 200	5,93	A, S, L
W100H-2	31,75	1	1/4	18,90	29,10	19,05	9,54	39,09	30,2	6,1	83,6	5,50	174 000	8,67	A, S, L
W120H-2	38,1	1	1/2	25,22	37,18	22,23	11,11	48,87	36,2	6,6	103,9	8,20	250 000	13,13	A, S, L
W140H-2	44,45	1	3/4	25,22	38,86	25,40	12,71	52,20	42,2	7,4	111,2	9,35	340 000	16,51	A, S, L

NB: Some of the items on these pages may be non-stock. Please contact our Sales Department for confirmation.

Connecting links



No. 7 (A)
Outer link
(to be riveted)



No. 11 (E)
Spring clip
connecting link



No. 111 (S)
Connecting link
with cottered pin

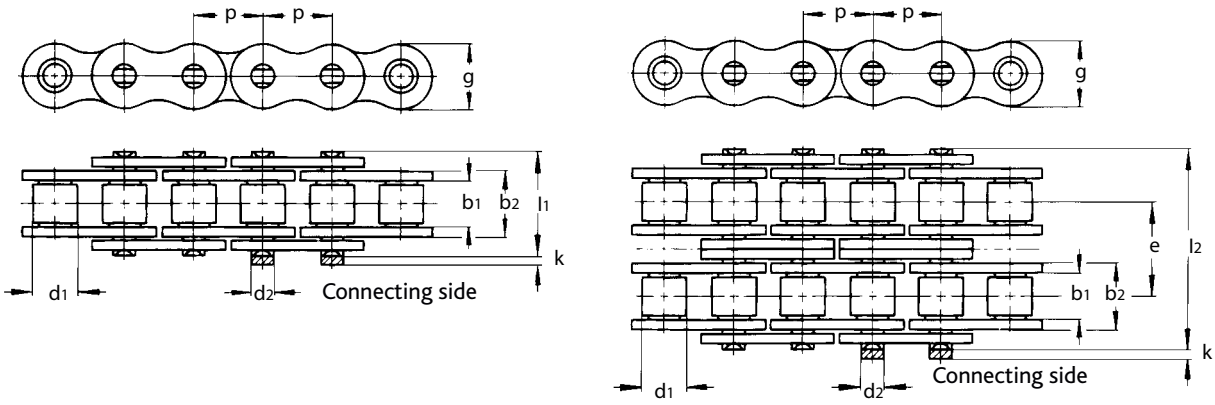


No. 12 (L)
Single cranked link

Roller Chains & Straight Side Plate Roller Chains in Stainless Steel to ISO 606

Witra Proof of Quality

British Standard



STAINLESS STEEL SIMPLEX-DUPLEX TO ISO 606

Chain	ISO	Pitch		Inner width	Inner link width	Roller Ø	Pin Ø	Transverse pitch	Plate height	Project. over conn. link	Width over pin	Bearing area	Breaking load ISO	Weight	Connecting links
		p		b_1	b_2	d_1	d_2	e	g	k	l	f	F_B	q	
				min.	max.	max.	max.		max.	max.	max.		min.	≈	
No.	No.	mm	inch	mm	mm	mm	mm	mm	mm	mm	mm	cm^2	N	kg/m	Type
Simplex															
W05BSS-1	05 B-1	8	-	3,00	4,77	5,00	2,31	-	7,1	3,1	8,6	0,11	5 000	0,18	A, E, C
W06BSS-1	06 B-1	9,525	3/8	5,72	8,53	6,35	3,28	-	8,2	3,3	13,5	0,28	9 000	0,41	A, E, L, C
W08BSS-1	08 B-1	12,7	1/2	7,75	11,30	8,51	4,45	-	11,8	3,9	17,0	0,50	12 000	0,68	A, E, L, C
W10BSS-1	10 B-1	15,875	5/8	9,65	13,28	10,16	5,08	-	14,7	4,1	19,6	0,67	15 000	0,91	A, E, L, C
W12BSS-1	12 B-1	19,05	3/4	11,68	15,62	12,07	5,72	-	16,1	4,6	22,7	0,88	17 000	1,12	A, E, L, C
W16BSS-1	16 B-1	25,4	1	17,02	25,40	15,88	8,27	-	21,0	5,4	36,1	2,07	40 000	2,64	A, E, S, L, C
Duplex															
W06BSS-2	06 B-2	9,525	3/8	5,72	8,53	6,35	3,28	10,24	8,2	3,3	23,8	0,56	16 900	0,78	A, E, L, C
W08BSS-2	08 B-2	12,7	1/2	7,75	11,30	8,51	4,45	13,92	11,8	3,9	31,0	1,00	22 000	1,35	A, E, L, C
W10BSS-2	10 B-2	15,875	5/8	9,65	13,28	10,16	5,08	16,59	14,7	4,1	36,2	1,34	28 400	1,79	A, E, L, C
W12BSS-2	12 B-2	19,05	3/4	11,68	15,62	12,07	5,72	19,46	16,1	4,6	42,2	1,76	37 200	2,22	A, E, L, C
W16BSS-2	16 B-2	25,4	1	17,02	25,40	15,88	8,27	31,88	21,0	5,4	68,0	4,14	74 400	5,13	A, E, S, L, C
Simplex roller chains with straight side plates stainless steel															
WC08BSS-1	08 B-1	12,7	1/2	7,75	11,30	8,51	4,45	-	11,8	3,9	17,0	0,50	12 000	0,68	A, E, L
WC10BSS-1	10 B-1	15,875	5/8	9,65	13,28	10,16	5,08	-	14,7	4,1	19,1	0,67	15 000	0,91	A, E, L
WC12BSS-1	12 B-1	19,05	3/4	11,68	15,62	12,07	5,72	-	16,1	4,6	22,7	0,88	17 000	1,12	A, E, L
WC16BSS-1	16 B-1	25,4	1	17,02	25,40	15,88	8,27	-	21,0	5,4	36,1	2,07	40 000	2,64	A, E, L
WC16/24BSS-1	-	25,4	1	17,02	25,40	15,88	8,27	-	24,0	5,4	36,1	2,07	40 000	2,64	A, E, L

Connecting links



No. 7 (A)
Outer link
(to be riveted)



No. 7 (A)
Outer link
(to be riveted)



No. 11 (E)
Spring clip
connecting link



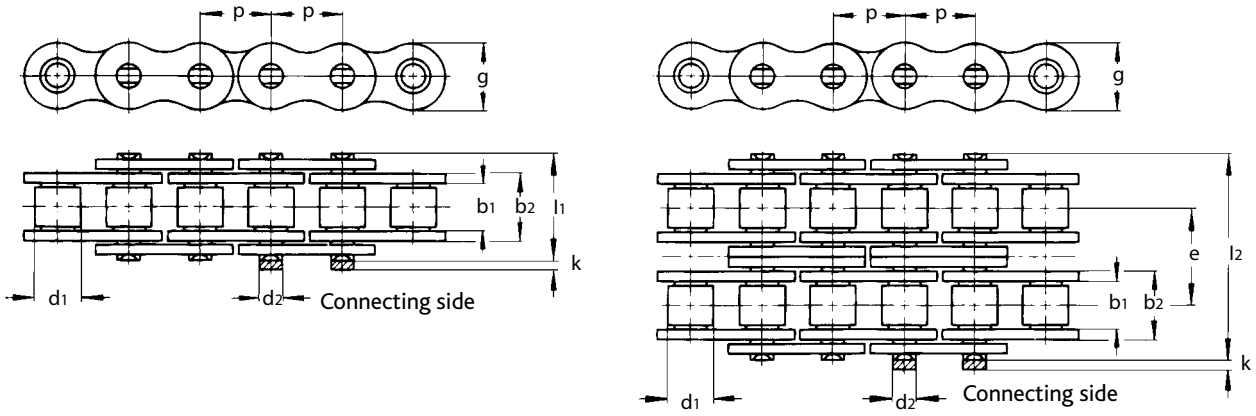
No. 11 (E)
Spring clip
connecting link



No. 111 (S)
Connecting link
with cottered pin

Simplex / Duplex Roller Chains - Nickel Plated

British Standard



NICKEL PLATED SIMPLEX - DUPLEX

Chain	ISO	Pitch		Inner width	Inner link width	Roller Ø	Pin Ø	Transverse pitch	Plate height	Project. over conn. link	Width over pin	Bearing area	Breaking load ISO	Weight	Connecting links
		p		b_1	b_2	d_1	d_2	e	g	k	l	f	F_B	q	
				min.	max.	max.	max.		max.	max.	max.		min.	≈	
No.	No.	mm		mm	mm	mm	mm	mm	mm	mm	mm	cm²	N	kg/m	Type
Simplex															
W05BNP-1	05 B-1	8	-	3,00	4,77	5,00	2,31	-	7,1	3,1	8,6	0,11	5 000	0,18	A, E
W06BNP-1	06 B-1	9,525	3/8	5,72	8,53	6,35	3,28	-	8,2	3,3	13,5	0,28	9 000	0,39	A, E, L
W08BNP-1	08 B-1	12,7	1/2	7,75	11,30	8,51	4,45	-	11,8	3,9	17,0	0,50	18 000	0,68	A, E, L
W10BNP-1	10 B-1	15,875	5/8	9,65	13,28	10,16	5,08	-	14,7	4,1	19,6	0,67	22 400	0,91	A, E, L
W12BNP-1	12 B-1	19,05	3/4	11,68	15,62	12,07	5,72	-	16,1	4,6	22,7	0,89	29 000	1,12	A, E, L
W16BNP-1	16 B-1	25,4	1	17,02	25,40	15,88	8,28	-	21,0	5,4	36,1	2,10	60 000	2,64	A, E, L
Duplex															
W05BNP-2	05 B-2	8	-	3,00	4,77	5,00	2,31	5,64	7,1	3,1	14,3	0,22	7 800	0,36	A, E
W06BNP-2	06 B-2	9,525	3/8	5,72	8,53	6,35	3,28	10,24	8,2	3,3	23,8	0,56	16 900	0,74	A, E, L
W08BNP-2	08 B-2	12,7	1/2	7,75	11,30	8,51	4,45	13,92	11,8	3,9	31,0	1,01	32 000	1,35	A, E, L
W10BNP-2	10 B-2	15,875	5/8	9,65	13,28	10,16	5,08	16,59	14,7	4,1	36,2	1,34	44 500	1,79	A, E, L
W12BNP-2	12 B-2	19,05	3/4	11,68	15,62	12,07	5,72	19,46	16,1	4,6	42,2	1,79	57 800	2,22	A, E, L
W16BNP-2	16 B-2	25,4	1	17,02	25,40	15,88	8,28	31,88	21,0	5,4	68,0	4,21	106 000	5,13	A, E, L

NB: Some of the items on these pages may be non-stock. Please contact our Sales Department for confirmation.

Connecting links



No. 111 (S)
Connecting link
with cottered pin



No. 12 (L)
Single
cranked link



No. 12 (L)
Single
cranked link



No. 15 (C)
Double
cranked link

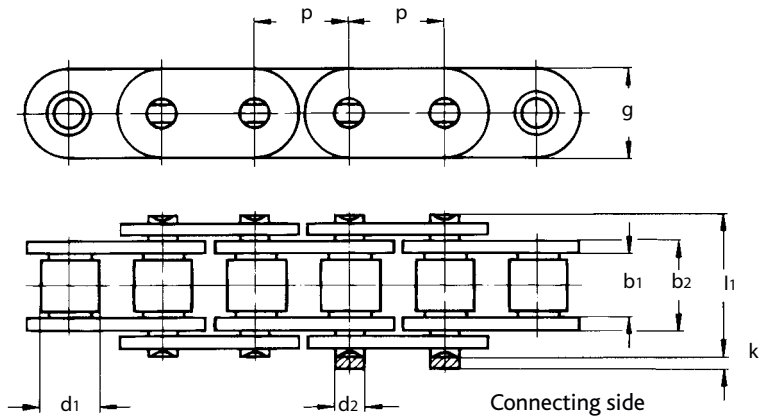


No. 15 (C)
Double
cranked link

Simplex Roller Chains Series C (Straight Side Plates)

Witra Proof of Quality

British Standard



SIMPLEX STRAIGHT SIDE PLATES SERIES C

Chain	ISO	Pitch		Inner width	Inner link width	Roller Ø	Pin Ø	Plate height	Project. over conn. link	Width over pin	Bearing area	Breaking load ISO	Weight	Connecting links
		p		b_1	b_2	d_1	d_2	g	k	l_1	f	F_B	q	
				min.	max.	max.	max.	max.	max.	max.		min.	≈	
No.	No.	mm	inch	mm	mm	mm	mm	mm	mm	mm	cm²	N	kg/m	Type
WC08B-1	C 08 B-1	12,7	1/2	7,75	11,30	8,51	4,45	11,8	3,9	17,0	0,50	18 000	0,68	A, E, L
WC10B-1	C 10 B-1	15,875	5/8	9,65	13,28	10,16	5,08	14,7	4,1	19,6	0,67	22 400	0,91	A, E, L
WC12B-1	C 12 B-1	19,05	3/4	11,68	15,62	12,07	5,72	16,1	4,6	22,7	0,89	29 000	1,12	A, E, L
WC16B-1	C 16 B-1	25,4	1	17,02	25,40	15,88	8,28	21,0	5,4	36,1	2,10	60 000	2,64	A, E, S, L
WC16/24B-1	-	25,4	1	17,02	25,40	15,88	8,28	24,0	5,4	36,1	2,10	60 000	2,64	A, E
WC20B-1	C 20 B-1	31,75	1 1/4	19,56	29,00	19,05	10,19	26,4	6,1	43,2	2,96	95 000	3,68	A, E, S, L
WC24B-1	C 24 B-1	38,1	1 1/2	25,40	37,90	25,40	14,63	33,4	6,6	53,4	5,54	160 000	7,16	A, S, L
WC32B-1	C 32 B-1	50,8	2	30,99	45,50	29,21	17,81	42,2	7,9	67,4	8,10	250 000	9,84	A, S, L

NB: Some of the items on these pages may be non-stock. Please contact our Sales Department for confirmation.

Connecting links (Images for illustrative purposes only)



No. 7 (A)
Outer link
(to be riveted)



No. 11 (E)
Spring clip
connecting link



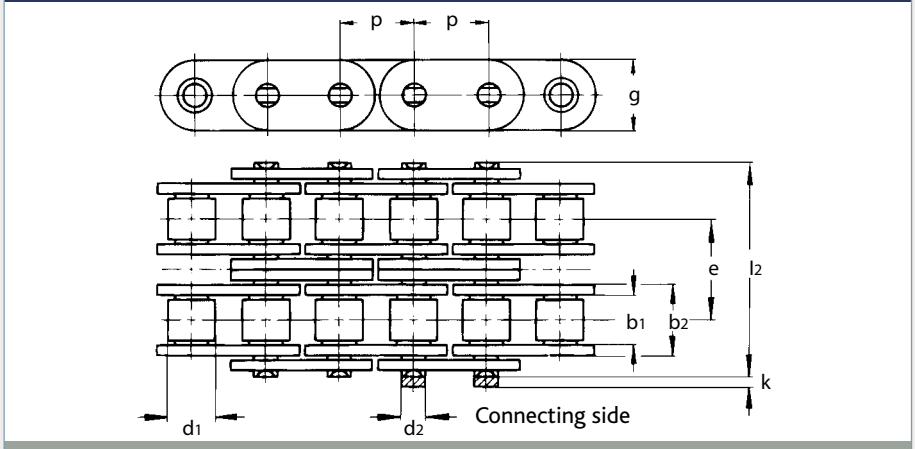
No. 111 (S)
Connecting link
with cottered pin



No. 12 (L)
Single cranked link

Duplex Roller Chains Series C (Straight Side Plates)

British Standard



DUPLEX STRAIGHT SIDE PLATES SERIES C

Chain	ISO	Pitch		Inner width	Inner link width	Roller Ø	Pin Ø	Transverse pitch	Plate height	Project. over conn. link	Width over pin	Bearing area	Breaking load ISO	Weight	Connecting links
		p		b_1	b_2	d_1	d_2	e	g	k	l_2	f	F_B	q	
				min.	max.	max.	max.		max.	max.	max.		min.	≈	
No.	No.	mm	inch	mm	mm	mm	mm	mm	mm	mm	mm	cm^2	N	kg/m	Type
WC06B-2	C 06 B-2	9,525	3/8	5,72	8,53	6,35	3,28	10,24	8,2	3,3	23,8	0,56	16 900	0,74	A, E, L
WC08B-2	C 08 B-2	12,7	1/2	7,75	11,30	8,51	4,45	13,92	11,8	3,9	31,0	1,01	32 000	1,35	A, E, L
WC10B-2	C 10 B-2	15,875	5/8	9,65	13,28	10,16	5,08	16,59	14,7	4,1	36,2	1,34	44 500	1,79	A, E, L
WC12B-2	C 12 B-2	19,05	3/4	11,68	15,62	12,07	5,72	19,46	16,1	4,6	42,2	1,79	57 800	2,22	A, E, S, L
WC16B-2	C 16 B-2	25,4	1	17,02	25,40	15,88	8,28	31,88	21,0	5,4	68,0	4,21	106 000	5,13	A, E, S, L
WC20B-2	C 20 B-2	31,75	1 1/4	19,56	29,00	19,05	10,19	36,45	26,4	6,1	79,0	5,91	170 000	7,72	A, E, S, L
WC24B-2	C 24 B-2	38,1	1 1/2	25,40	37,90	25,40	14,63	48,36	33,4	6,6	101,4	11,09	280 000	14,15	A, S, L
WC32B-2	C 32 B-2	50,8	2	31,55	45,00	28,58	14,27	58,55	48,2	7,9	124,0	12,84	453 600	19,00	A, S, L

NB: Some of the items on these pages may be non-stock. Please contact our Sales Department for confirmation.

Connecting links (Images for illustrative purposes only)



No. 7 (A)
Outer link
(to be riveted)



No. 11 (E)
Spring clip
connecting link



No. 111 (S)
Connecting link
with cottered pin

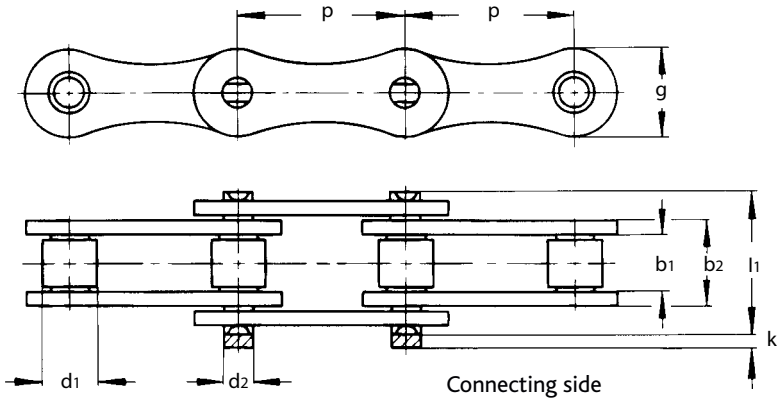


No. 12 (L)
Single cranked link

Double Pitch Chains to ISO 1275

Witra Proof of Quality

British/American Standard



DOUBLE PITCH CHAIN

Chain	ISO/ANSI	Pitch		Inner width	Inner link width	Roller Ø	Pin Ø	Plate height	Project. over conn. link	Width over pin	Bearing area	Breaking load ISO/ANSI	Weight	Connecting links
		p		b_1	b_2	d_1	d_2	g	k	l_1	f	F_B	q	
				min.	max.	max.	max.	max.	max.	max.		min.	≈	
No.	No.	mm	inch	mm	mm	mm	mm	mm	mm	mm	cm^2	N	kg/m	Type
European Series														
W208B	208 B	25,4		7,75	11,30	8,51	4,45	11,8	3,9	17,0	0,50	18 000	0,46	A, B, E, S, L
W210B	210 B	31,75	1 1/4	9,65	13,28	10,16	5,08	14,7	4,1	19,6	0,67	22 400	0,57	A, B, E, S, L
W212B	212 B	38,1	1 1/2	11,68	15,62	12,07	5,72	16,1	4,6	22,7	0,89	29 000	0,75	A, B, S, L
W216B	216 B	50,8	2	17,02	25,40	15,88	8,28	21,0	5,4	36,1	2,10	60 000	1,74	A, B, S, L
W220B	220 B	63,5	2 1/2	19,56	29,00	19,05	10,19	28,5	6,1	43,2	2,96	95 000	2,55	A, B, S, L
American Series														
W208A	208 A	25,4	1	7,85	11,15	7,95	3,96	12,0	3,9	17,8	0,44	14 100	0,49	A, B, S, L
W210A	210 A	31,75	1 1/4	9,40	13,80	10,16	5,08	15,0	4,1	21,8	0,70	22 200	0,64	A, B, S, L
W212A	212 A	38,1	1 1/2	12,57	17,70	11,91	5,94	18,0	4,6	26,9	1,05	31 800	1,02	A, B, S, L
W216A	216 A	50,8	2	15,75	22,50	15,88	7,92	24,1	5,4	33,5	1,78	56 700	1,71	A, B, S, L
W220A	220 A	63,5	2 1/2	18,90	27,40	19,05	9,53	30,0	4,3	40,4	2,59	86 700	2,55	A, B, S, L

NB: Some of the items on these pages may be non-stock. Please contact our Sales Department for confirmation.

Connecting links



Nr. 4 (B)
Inner link



Nr. 7 (A)
Outer link (to be riveted)



Nr. 111 (S)
Connecting link with cottered pin



Nr. 208 (B)
for chain No. 713 with spring clip (E)



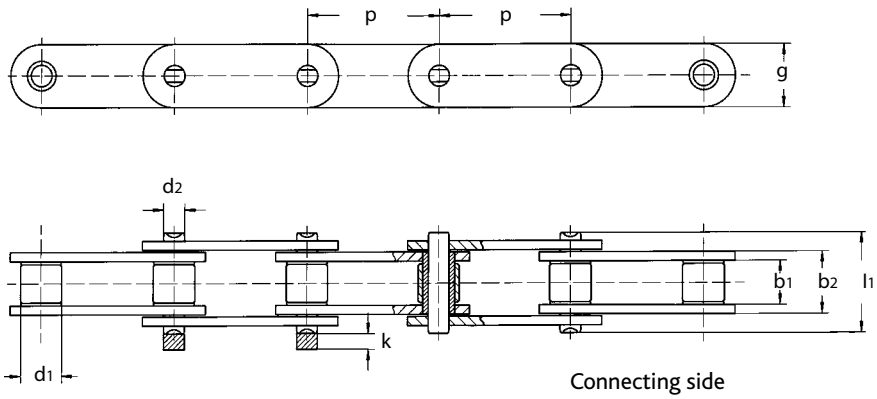
Nr. 12 (L)
Single cranked link

Double Pitch Chains to ISO 1275 (Straight Side Plates)

504 680

Witra Proof of Quality

American Standard



DOUBLE PITCH CHAINS

Chain	ISO/ANSI	Pitch		Inner width	Inner link width	Roller Ø	Pin Ø	Plate height	Project. over conn. link	Width over pin	Bearing area	Breaking load ISO/ANSI	Weight	Connecting links
		p		b_1	b_2	d_1	d_2	g	k	l_1	f	F_B	q	
				min.	max.	max.	max.	max.	max.	max.		min.	≈	
No.	No.	mm	inch	mm	mm	mm	mm	mm	mm	mm	cm²	N	kg/m	Type
WC2050	C 210 A	31,75	1 1/4	9,40	13,84	10,16	5,09	15,1	4,1	21,8	0,70	21 800	0,81	A, E, S, L
WC2060	C 212 A	38,1	1 1/2	12,57	17,75	11,91	5,96	18,08	4,6	26,9	1,05	31 100	1,12	A, E, S, L
WC2060H	C 212 A-H	38,1	1 1/2	12,57	19,43	11,91	5,96	18,08	4,6	29,8	1,16	31 100	1,44	A, E, S, L
WC2080	C 216 A	50,8	2	15,75	22,61	15,88	7,94	24,13	5,4	33,5	1,78	55 600	2,08	A, E, S, L
WC2080H	C 216 A-H	50,8	2	15,75	24,28	15,88	7,94	24,13	5,4	36,7	1,92	55 600	2,54	A, E, S, L

NB: Some of the items on these pages may be non-stock. Please contact our Sales Department for confirmation.

Connecting links (Images for illustrative purposes only)



Nr. 4 (B)
Inner link

Nr. 7 (A)
Outer link (to be riveted)

Nr. 111 (S)
Connecting link with cottered pin

Nr. 208 (B)
for chain No. 713 with spring clip (E)

Nr. 12 (L)
Single cranked link

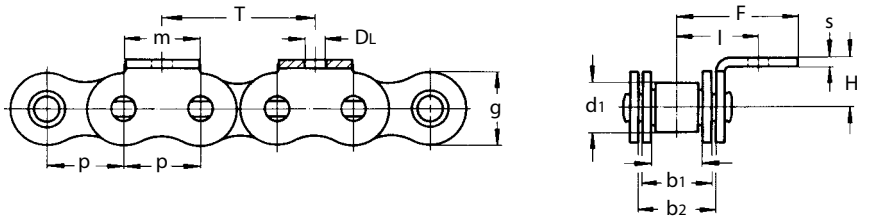
24hr Breakdown available
Customisable product
Product code builder
Compatible product

Roller Chains with Single Hole Bent Attachments

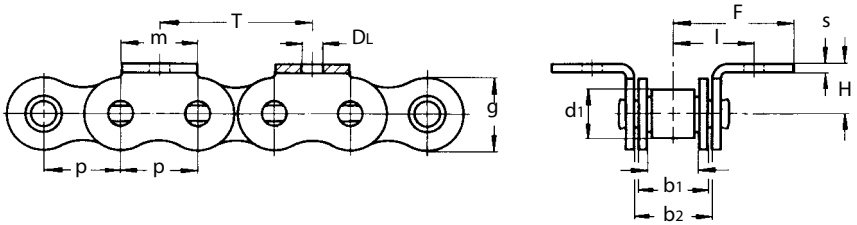
Witra Proof of Quality

Attachment Roller Chain

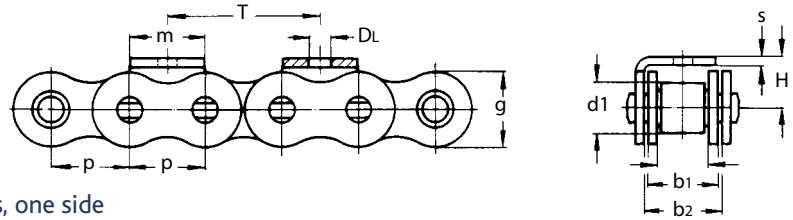
A. Bent attachments, one side



B. Bent attachments, both sides



C. Bent over chain attachments, one side



SIMPLEX WITH 90° SINGLE HOLE ATTACHMENTS

Chain		Similar ISO	Pitch		Inner width	Inner link width	Roller Ø	Plate height	Breaking load ISO	Attachment dimensions					
			p		b_1	b_2	d_1	g	F_B	m	D_L	l	F	H	s
					min.	max.	max.	max.	min.						
No.	Ind.	No.	mm	inch	mm	mm	mm	mm	N	mm	mm	mm	mm	mm	mm
W05B		05 B-1	8	-	3,00	4,77	5,00	7,1	5 000	8,0	3,20	6,6	12,0	5,0	0,80
W06B	1	06 B-1	9,525	3/8	5,72	8,53	6,35	8,2	9 000	8,0	3,50	9,5	13,5	6,5	1,25
W08B		08 B-1	12,7	1/2	7,75	11,30	8,51	11,8	18 000	12,5	4,50	13,1	19,0	10,0	1,50
W10B		10 B-1	15,875	5/8	9,65	13,28	10,16	14,7	22 400	15,0	5,50	16,7	27,0	10,0	1,70
W12B		12 B-1	19,05	3/4	11,68	15,62	12,07	16,1	29 000	18,5	6,60	18,6	29,0	11,0	1,80
W16B		16 B-1	25,4	1	17,02	25,40	15,88	21,0	60 000	25,0	9,00	28,9	41,8	18,0	3,00
W20B		20 B-1	31,75	1/4	19,56	29,00	19,05	26,4	95 000	35,0	9,00	33,4	50,0	18,0	3,75
W24B		24 B-1	38,1	1/2	25,40	37,90	25,40	33,4	160 000	38,0	11,00	44,0	64,0	25,0	5,00

[1] With straight side plates only.

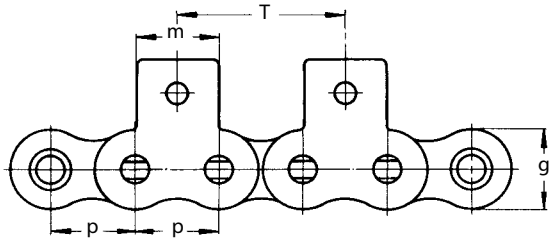
NB: Some of the items on these pages may be non-stock. Please contact our Sales Department for confirmation.

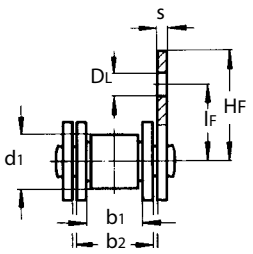
Roller Chains with Single Hole Straight Attachments and Extended Pins

504 651

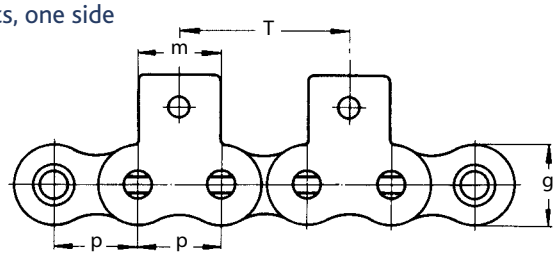
Witra Proof of Quality

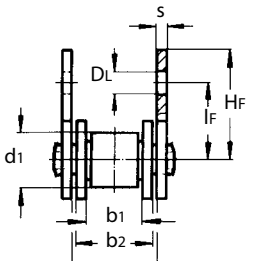
Attachment Roller Chain



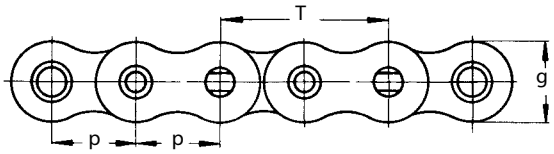


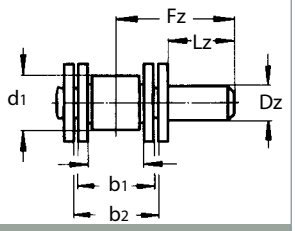
D. Straight attachments, one side





E. Straight attachments, both sides





F. Extended pins, available on alternate sides

ROLLER CHAINS WITH SINGLE HOLE STRAIGHT ATTACHMENTS AND EXTENDED PINS

Chain		Similar ISO	Pitch		Inner width	Inner link width	Roller Ø	Plate height	Breaking load ISO	Attachment dimensions							
			p		b_1	b_2	d_1	g	F_B	m	D_L	l_F	H_F	s	D_Z	L_Z	F_Z
					min.	max.	max.	max.	min.						h9		
No.	Ind.	No.	mm	inch	mm	mm	mm	mm	N	mm	mm	mm	mm	mm	mm	mm	mm
W05B		05 B-1	8	-	3,00	4,77	5,00	7,1	5 000	8,0	3,00	7,5	13,0	0,80	4,0	10	13,3
W06B	1	06 B-1	9,525	3/8	5,72	8,53	6,35	8,2	9 000	8,0	3,50	9,0	13,8	1,25	5,0	15	20,7
W08B		08 B-1	12,7	1/2	7,75	11,30	8,51	11,8	18 000	12,5	4,50	14,7	20,3	1,50	6,0	15	22,4
W10B		10 B-1	15,875	5/8	9,65	13,28	10,16	14,7	22 400	15,0	5,50	17,2	26,7	1,70	6,5	20	28,5
W12B		12 B-1	19,05	3/4	11,68	15,62	12,07	16,1	29 000	18,5	6,60	18,7	29,0	1,80	7,0	20	29,8
W16B		16 B-1	25,4	1	17,02	25,40	15,88	21,0	60 000	25,0	9,00	28,6	41,5	3,00	10,0	30	45,9
W20B		20 B-1	31,75	1/4	19,56	29,00	19,05	26,4	95 000	35,0	9,00	30,5	45,7	3,75	12,0	30	48,4
W24B		24 B-1	38,1	1/2	25,40	37,90	25,40	33,4	160 000	38,0	11,00	41,0	60,0	5,00	16,0	35	59,1

[1] With straight side plates only.

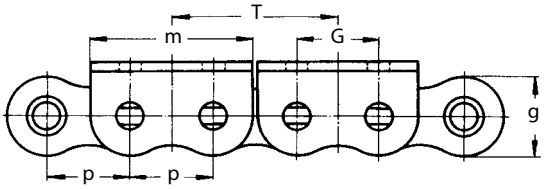
NB: Some of the items on these pages may be non-stock. Please contact our Sales Department for confirmation.

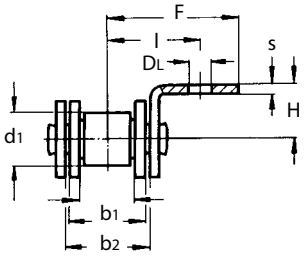
Roller Chains with Two Hole Bent and Straight Attachments

Witra Proof of Quality

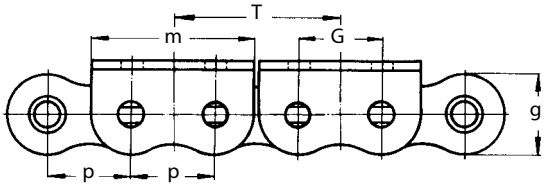
504 651

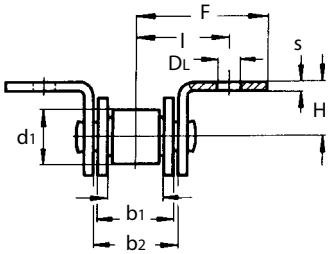
Attachment Roller Chain



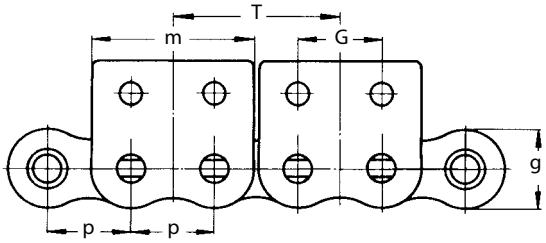


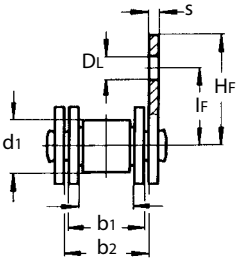
A2. Bent attachments, one side



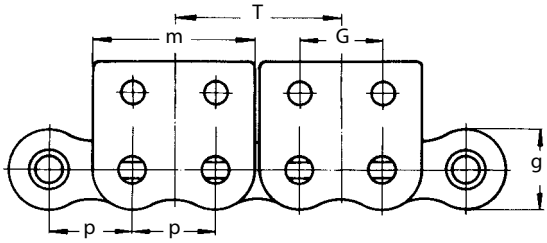


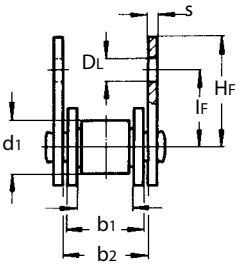
B2. Bent attachments, both sides





D2. Straight attachment, one side





E2. Straight attachment, both sides

ROLLER CHAINS WITH TWO HOLE BENT AND STRAIGHT ATTACHMENTS

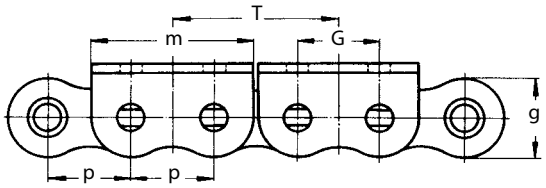
Chain		Similar ISO	Pitch		Inner width	Inner link width	Roller Ø	Plate height	Breaking load ISO	Attachment dimensions								
			p		b_1	b_2	d_1	g	F_B	m	D_L	G	I	F	H	I_F	H_F	s
					min.	max.	max.	max.	min.									
No.	Ind.	No.	mm	inch	mm	mm	mm	mm	N	mm	mm	mm	mm	mm	mm	mm	mm	mm
W06B	1	06 B-1	9,525	3/8	5,72	8,53	6,35	8,2	9 000	18,2	3,20	9,525	9,8	13,2	5,7	9,2	12,6	1,25
W08B		08 B-1	12,7	1/2	7,75	11,30	8,51	11,8	18 000	23,2	4,50	12,7	13,1	19,0	10,0	14,7	20,3	1,50
W10B		10 B-1	15,875	5/8	9,65	13,28	10,16	14,7	22 400	28,5	5,50	15,9	16,7	27,0	10,0	17,2	26,7	1,70
W12B		12 B-1	19,05	3/4	11,68	15,62	12,07	16,1	29 000	33,6	6,60	19,1	18,6	29,0	11,0	18,7	29,0	1,80
W16B		16 B-1	25,4	1	17,02	25,40	15,88	21,0	60 000	46,5	9,00	25,4	28,9	42,0	18,0	28,6	41,5	3,00
W20B		20 B-1	31,75	1/4	19,56	29,00	19,05	26,4	95 000	55,7	9,00	31,75	33,4	50,0	18,0	30,5	45,7	3,75
W24B		24 B-1	38,1	1/2	25,40	37,90	25,40	33,4	160 000	77,0	11,00	38,1	44,0	63,0	25,0	41,0	60,0	5,00

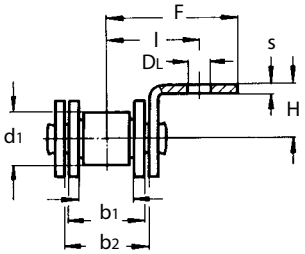
[1] With straight side plates only.

Roller Chains Stainless Steel with Two Hole Bent and Straight Attachments

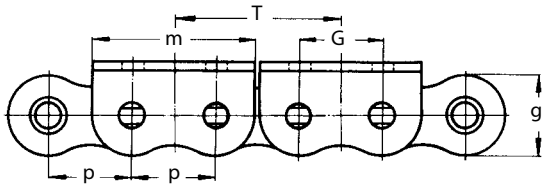
Witra Proof of Quality

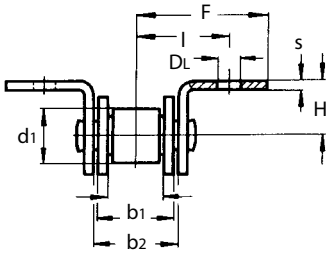
Stainess Steel Roller Chains



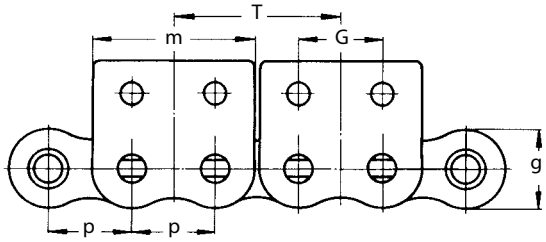


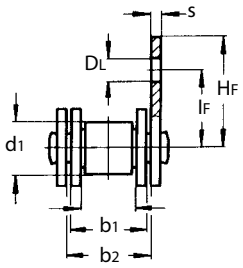
A2. Bent attachments, one side



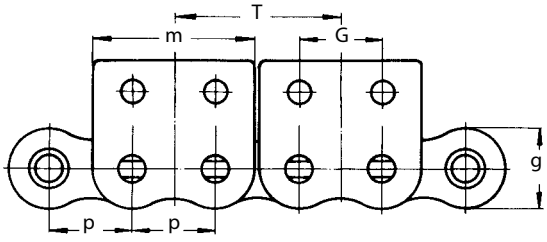


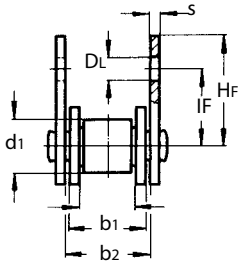
B2. Bent attachments, both sides





D2. Straight attachments, one side





E2. Straight attachments, both sides

ROLLER CHAINS STAINLESS STEEL WITH TWO HOLE BENT AND STRAIGHT ATTACHMENTS

Chain		Similar ISO	Pitch		Inner width	Inner link width	Roller Ø	Plate height	Breaking load ISO	Attachment dimensions								
			p		b_1	b_2	d_1	g	F_B	m	D_L	G	l	F	H	l_F	H_F	s
					min.	max.	max.	max.	min.									
No.	Ind.	No.	mm	inch	mm	mm	mm	mm	N	mm	mm	mm	mm	mm	mm	mm	mm	mm
W06BSS	1	06B-1	9,525	3/8	5,72	8,53	6,35	8,2	7 000	18,2	3,22	9,525	9,8	13,2	5,7	9,2	12,6	1,25
W08BSS		08B-1	12,7	1/2	7,75	11,30	8,51	11,8	12 000	23,2	4,50	12,7	13,1	19,0	10,0	14,7	20,3	1,60
W10BSS		10B-1	15,875	5/8	9,65	13,28	10,16	14,7	14 500	28,5	5,50	15,9	16,7	27,0	10,0	17,2	26,7	1,70
W12BSS		12B-1	19,05	3/4	11,68	15,62	12,07	16,1	18 500	33,6	6,60	19,1	18,5	29,0	11,0	18,7	29,0	1,80
W16BSS		16B-1	25,4	1	17,02	25,40	15,88	21,0	40 000	46,5	10,00	25,4	28,9	41,8	18,0	28,6	41,5	3,00

[1] With straight side plates only.

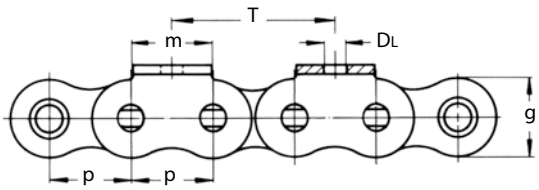
NB: Some of the items on these pages may be non-stock. Please contact our Sales Department for confirmation.

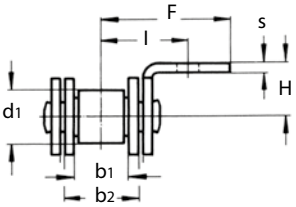
24hr Breakdown available
Customisable product
Product code builder
Compatible product

Roller Chains Stainless Steel with One Hole Attachments

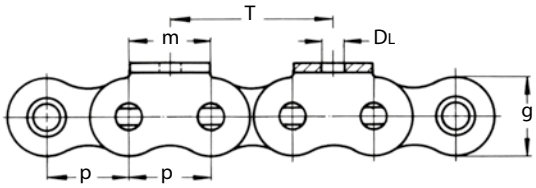
Witra Proof of Quality

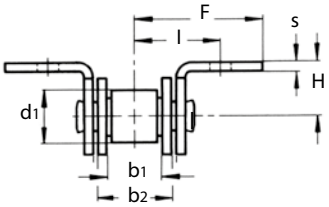
Stainess Steel Roller Chains



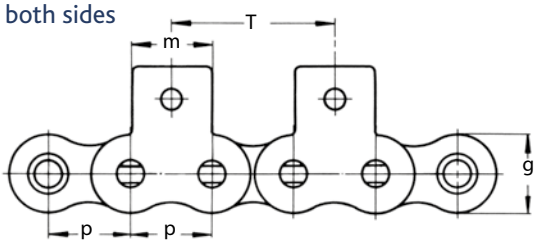


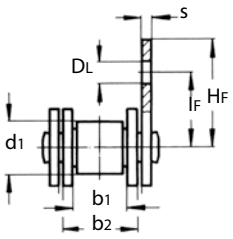
A. Bent attachments, one side



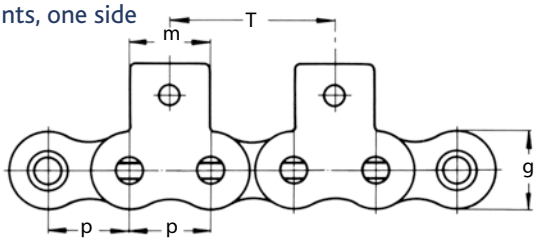


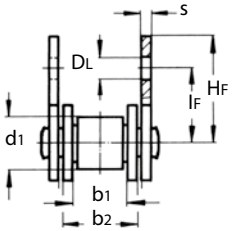
B. Bent attachments, both sides



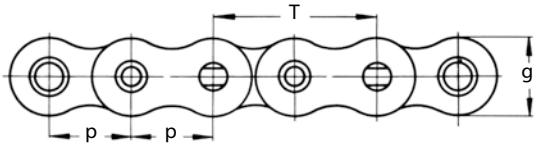


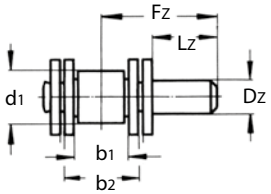
D. Straight attachments, one side





E. Straight attachments, both sides





F. Extended pins available on alternate sides

ROLLER CHAINS STAINLESS STEEL WITH ONE HOLE ATTACHMENTS

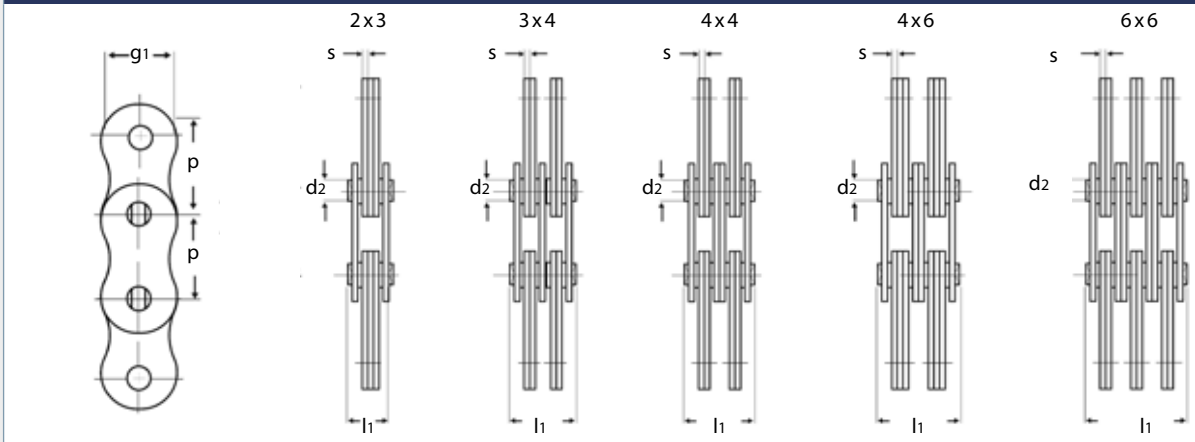
Chain		Similar ISO	Pitch		Inner width	Inner link width	Roller-Ø	Plate height	Attachment dimensions										
			p		b_1	b_2	d_1	g	m	D_L	l	F	H	l_F	H_F	s	D_Z	L_Z	F_Z
					min.	max.	max.	max.									h9		
No.	Ind.	No.	mm	inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
W05BSS		05 B-1	8	-	3,00	4,77	5,00	7,1	8,0	3,20	6,6	12,0	5,0	7,5	13,0	0,80	4,0	10	13,3
W06BSS	1	06 B-1	9,525	3/8	5,72	8,53	6,35	8,2	8,0	3,50	9,5	13,5	6,5	9,0	13,4	1,25	5,0	15	20,7
W08BSS		08 B-1	12,7	1/2	7,75	11,30	8,51	11,8	12,5	4,50	13,1	19,0	10,0	14,7	20,3	1,60	6,0	15	22,4
W10BSS		10 B-1	15,875	5/8	9,65	13,28	10,16	14,7	15,0	5,50	16,7	27,0	10,0	17,2	26,7	1,70	6,5	20	28,5
W12BSS		12 B-1	19,05	3/4	11,68	15,62	12,07	16,1	18,5	6,60	18,5	29,0	11,0	18,7	29,0	1,80	7,0	20	29,8
W16BSS		16 B-1	25,4	1	17,02	25,40	15,88	21,0	25,0	10,00	28,9	41,5	18,0	41,8	28,6	3,00	10,0	30	45,9

[1] With straight side plates only.

Leaf Chains BL Series According to LH /ISO 4347

Witra Proof of Quality

Leaf Chain



BL SERIES

Chain	ISO	Pitch	Lacing	Plate height	Plate thickness	Pin Ø	Width over pin	Breaking load ISO	Weight
		p		g_1	s	d_2	l_1	F_B	q
				max.	max.	max.	max.	min.	≈
No.	No.	mm		mm	mm	mm	mm	N	kg/m
WBL523	LH1023	15,875	2 x 3	15,0	2,42	5,94	15,37	33 400	1,16
WBL534	LH1034	15,875	3 x 4	15,0	2,42	5,94	20,32	48 900	1,62
WBL544	LH1044	15,875	4 x 4	15,0	2,42	5,94	22,78	66 700	1,84
WBL546	LH1046	15,875	4 x 6	15,0	2,42	5,94	27,74	66 700	2,30
WBL566	LH1066	15,875	6 x 6	15,0	2,42	5,94	32,18	100 100	2,74
WBL623	LH1223	19,05	2 x 3	18,0	3,25	7,92	20,73	48 900	1,80
WBL634	LH1234	19,05	3 x 4	18,0	3,25	7,92	27,43	75 600	2,49
WBL644	LH1244	19,05	4 x 4	18,0	3,25	7,92	30,78	97 900	2,83
WBL646	LH1246	19,05	4 x 6	18,0	3,25	7,92	37,49	97 900	3,52
WBL666	LH1266	19,05	6 x 6	18,0	3,25	7,92	44,20	148 800	4,21
WBL688	LH1288	19,05	8 x 8	18,0	3,25	7,92	57,61	195 700	5,60

NB: Some of the items on these pages may be non-stock. Please contact our Sales Department for confirmation.



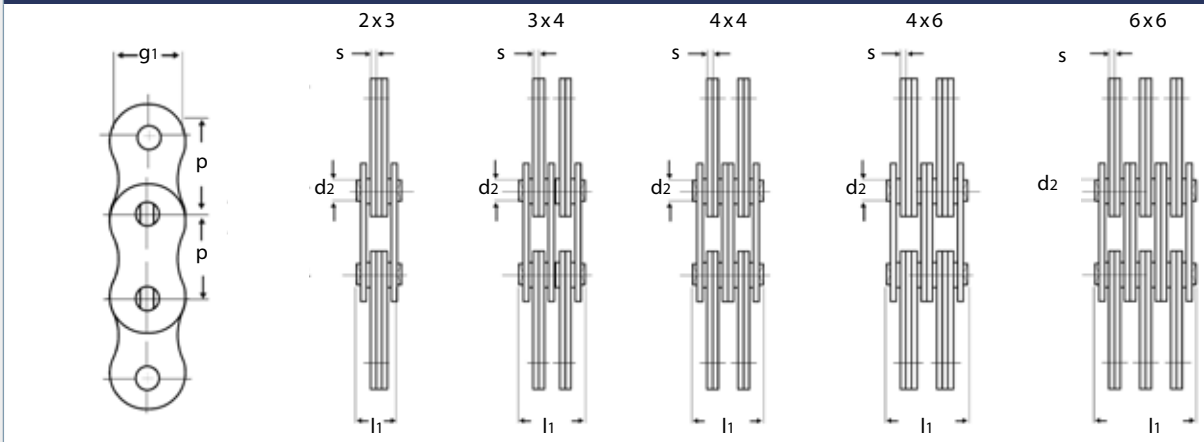
See **Wippermann Leaf Chain – Page 572**

Leaf Chains BL Series According to LH / ISO 4347

Witra Proof of Quality

504

Leaf Chain



BL SERIES

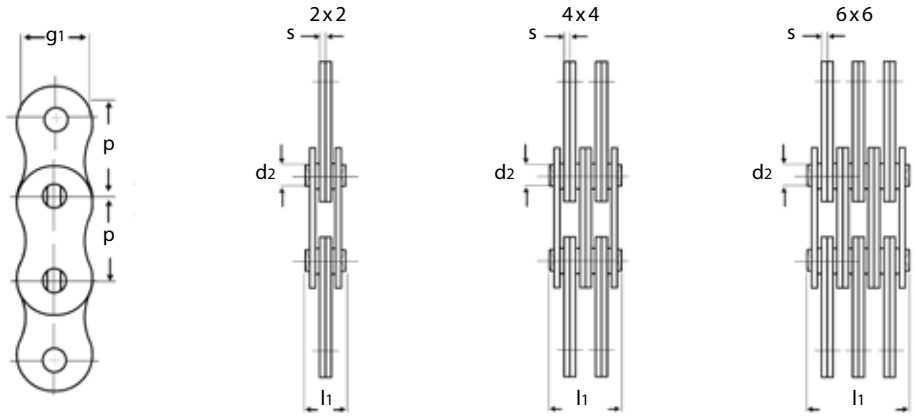
Chain	ISO	Pitch	Lacing	Plate height	Plate thickness	Pin Ø	Width over pin	Breaking load ISO	Weight
		p		g_1	s	d_2	l_1	F_B	q
				max.	max.	max.	max.	min.	≈
No.	No.	mm		mm	mm	mm	mm	N	kg/m
WBL823	LH 1623	25,4	2 x 3	24,0	4,00	9,53	25,48	84 500	3,47
WBL834	LH 1634	25,4	3 x 4	24,0	4,00	9,53	33,76	129 000	4,82
WBL844	LH 1644	25,4	4 x 4	24,0	4,00	9,53	37,90	169 000	5,43
WBL846	LH 1646	25,4	4 x 6	24,0	4,00	9,53	46,18	169 000	6,83
WBL866	LH 1666	25,4	6 x 6	24,0	4,00	9,53	54,46	253 600	8,19
WBL1023	LH 2023	31,75	2 x 3	30,0	4,80	11,10	30,33	115 600	4,65
WBL1034	LH 2034	31,75	3 x 4	30,0	4,80	11,10	40,23	182 400	6,46
WBL1044	LH 2044	31,75	4 x 4	30,0	4,80	11,10	45,19	231 300	7,37
WBL1046	LH 2046	31,75	4 x 6	30,0	4,80	11,10	55,09	231 300	9,18
WBL1066	LH 2066	31,75	6 x 6	30,0	4,80	11,10	65,00	347 000	11,00
WBL1234	LH 2434	38,1	3 x 4	36,20	5,77	12,71	47,07	244 600	8,10
WBL1244	LH 2444	38,1	4 x 4	36,20	5,77	12,71	52,88	302 500	9,30
WBL1246	LH 2446	38,1	4 x 6	36,20	5,77	12,71	64,52	302 500	11,60
WBL1266	LH 2466	38,1	6 x 6	36,20	5,77	12,71	76,15	453 700	13,90
WBL1634	LH 3234	50,8	3 x 4	48,26	7,52	17,46	61,72	440 400	14,00
WBL1644	LH 3244	50,8	4 x 4	48,26	7,52	17,46	69,29	573 800	16,00
WBL1646	LH 3246	50,8	4 x 6	48,26	7,52	17,46	84,43	573 800	20,00
WBL1666	LH 3266	50,8	6 x 6	48,26	7,52	17,46	99,57	857 400	24,00

NB: Some of the items on these pages may be non-stock. Please contact our Sales Department for confirmation.

Leaf Chains LL Series According to ISO 4347

Witra Proof of Quality

Leaf Chain



LEAF CHAINS LL SERIES ACCORDING TO ISO 4347

Chain	ISO	Pitch	Lacing	Plate height	Plate thickness	Pin Ø	Width over pin	Breaking load ISO	Weight
		p		g_1	s	d_2	l_1	F_B	q
				max.	max.	max.	max.	min.	≈
No.	No.	mm		mm	mm	mm	mm	N	kg/m
WLL0822	LL0822	12,7	2 x 2	10,6	1,60	4,45	7,9	17 800	0,41
WLL0844	LL0844	12,7	4 x 4	10,6	1,60	4,45	14,4	31 100	0,69
WLL0866	LL0866	12,7	6 x 6	10,6	1,60	4,45	20,5	44 500	0,97
WLL1022	LL1022	15,875	2 x 2	13,7	1,65	5,08	9,3	22 200	0,59
WLL1044	LL1044	15,875	4 x 4	13,7	1,65	5,08	16,1	44 500	1,13
WLL1066	LL1066	15,875	6 x 6	13,7	1,65	5,08	22,9	66 700	1,67
WLL1222	LL1222	19,05	2 x 2	15,0	1,85	5,72	10,7	28 900	0,64
WLL1244	LL1244	19,05	4 x 4	15,0	1,85	5,72	18,5	57 800	1,26
WLL1266	LL1266	19,05	6 x 6	15,0	1,85	5,72	26,3	86 700	1,88
WLL1622	LL1622	25,4	2 x 2	21,0	3,20	8,28	17,2	58 000	1,52
WLL1644	LL1644	25,4	4 x 4	21,0	3,20	8,28	30,2	116 000	2,98
WLL1666	LL1666	25,4	6 x 6	21,0	3,20	8,28	43,2	174 000	4,44
WLL2022	LL2022	31,75	2 x 2	26,4	3,70	10,19	20,1	95 000	2,33
WLL2044	LL2044	31,75	4 x 4	26,4	3,70	10,19	35,1	190 000	4,56
WLL2066	LL2066	31,75	6 x 6	26,4	3,70	10,19	50,1	285 000	6,79
WLL2422	LL2422	38,1	2 x 2	33,2	5,20	14,63	28,4	170 000	4,47
WLL2444	LL2444	38,1	4 x 4	33,2	5,20	14,63	49,4	340 000	8,67
WLL2466	LL2466	38,1	6 x 6	33,2	5,20	14,63	70,4	510 000	12,87

NB: Some of the items on these pages may be non-stock. Please contact our Sales Department for confirmation.



See TYC Leaf Chain – Page 616

D.I.D®

D.I.D Chains



- MANUFACTURING FOR OVER 80 YEARS
- JAPAN BASED COMPANY
- NO 1 MOTORCYCLE CHAIN MANUFACTURER
- ENVIRONMENT RESISTANT CHAINS
- WEAR RESISTANT CHAINS



D.I.D CHAINS - DRIVEN TO SOLUTIONS

Known for its dependability in design D.I.D is an established technical innovator in the world chain drive market.

Introduction

The D.I.D Brand is known for its dependability in design. D.I.D is an established technical innovator in the world chain drive market. This Japan based manufacturer has been serving a broad spectrum of industries with quality products for over 80 years. D.I.D technology turns timely ideas into productive realities. Daido Kogyo Co. Ltd., the manufacturer of D.I.D Brand Products, is certified according to IS09001, 14001 & API.

Maximum flexibility, outstanding speed and power

TransDev supplies a number of specialist chain products from the D.I.D range alongside its wider chain offering. Together with TransDev, you can count on D.I.D to help create your optimum drive system solution.

Environment resistant chains

Introducing a wide variety of anti-corrosion and specialty chains; for customers who are concerned with corrosion resistance and aggressive working environments. D.I.D's Environment Resistant Chains perform well under severe conditions.

Wear resistant chains

Introducing a wide variety of anti-elongation chains; for customers who are concerned with lubrication, maintenance cost and reducing downtime. D.I.D is a pioneer of Sealed Chain technology and the World No. 1 Motorcycle Chain manufacturer.



Environment Resistant & Ultimate Life Chain Series

Designation (Type)		Description	Allowable* load	Functions	Applications
	Nickel Plated Chain (N)	Special Nickel plated finish Used where brilliance and cleanliness are required Strong corrosion resistance (highly resistant to salt water spray and acid atmospheres)	100%	Resistant against corrosive gas (by CASS test) Resistant against rain, moisture or sea water Resistant against alkali liquid Coating tolerable temperature of 250°C	Textile machines Conveyors and transfer equipment [1)] Food processing machines Chemical facilities Printing machines Muliti-level parking machines
	Hi-Guard Chain (E)	Highly corrosion resistant film coating When long periods of seasonal inactivity create a need for both indoor and outdoor protection Outstanding resistance to rusting or corrosion, particularly in a salt water environment	100%	Resistant against corrosive gas (by CASS test) Resistant against rain, moisture or sea water Coating tolerable temperature of 250°C	Textile machines Conveyors and transfer equipment Muliti-level parking machines Water treatment equipment Outdoor equipment Construction machines
	Low Temp. TK Chain (TK)	Chain is made from special Steel Alloy lubricated with special grease, both ideally suited for cold temperature operation Where temperature reaches to -40°C. Excellent strength and operation at low temperatures	100%	Resistant against corrosive gas (by CASS test) Resistant against alkali liquid Temperature range from -40°C to +80°C	Packaging machines Conveyors and transfer equipment Food processing machines Construction machines
	Stainless Steel Chain (SS)	SUS 304 material Used where chain is exposed to chemicals, water and high temperatures Best resistance to corrosion and heat	10%	Resistant against corrosive gas (by CASS test) Resistant against rain, moisture or sea water Acid & Alkaline resistant Hygienic environments Temperature range from -10°C to +400°C	Conveyors and transfer equipment Food processing machines Chemical facilities Water treatment equipment

* Compared to standard roller chains

[1)] Contact us when you use Nickel Plated Chains (N) for hoisting.

Environment Resistant & Ultimate Life Chain Series

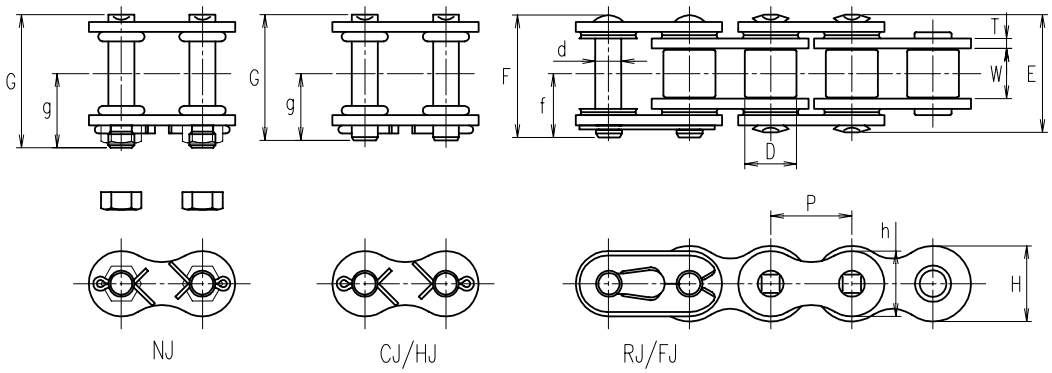
Designation (Type)		Description	Allowable* load	Functions	Applications
	Stainless Steel Chain (SSK)	SUS304 (plates) and SUS631 (pins, bushes & rollers) Used where chain is exposed to chemicals, water and high temperatures 1.5 x higher max. allowable load than SS Type	15%	Resistant against corrosive gas (by CASS test) Resistant against rain, moisture or sea water Acid & Alkaline resistant Hygienic environments Temperature range from -10°C to +400°C	Conveyors and transfer equipment Food processing machines Chemical facilities Water treatment equipment
	O-Ring Chain/ X-Ring Chain (LD, LX)	D.I.D X-Ring chain is the best value maintenance-free chain available The patented X-Ring design has half the friction of normal O-Ring chain and provides great sealing performance. It keeps the dirt out and the grease in much better than any other O-Rings Up to 2 times longer wear resistance performance compared to normal O-Ring chains Great cost savings can be achieved through longer life and less down time	100%	Resistance against contaminated or deteriorated oil Resistance against dusty circumstances No lubrication or manintenance LD Temperature range from -10°C to +80°C LX Temperature range from -10°C to +120°C	Food processing machines Packaging machines Textile machines Printing machines Conveyors and transfer equipment Painting and drying cans Construction machines Home appliances Agricultural machines
	Sintered Bushing Roller Chain (UR, URN)	Sintered bushing is incorporated Ultimate Life Chain for low speed and light load applications Up to 5 times longer wear life than standard chain	70%		

* Compared to standard roller chains

O Ring Chains

D.I.D

O Ring Chains



Chain No.	Pitch P	Roller link width W	Roller (Bush) dia. D	Pin				Plate				Tensile strength		Approx. weight kg/m
				d	E	F	f	T	t	H	h	Min. kN	Max. kN	
DID08BL-1	12.7	7.75	8.51	4.45	18.75	19.55	10.28	1.5	15	11.9	10.4	17.20	3.92	0.76
DID50LX	15.875	9.53	10.16	5.09	23.4	23.90	12.8	2.0	2.0	15.0	13.0	24.51	6.86	1.08
DID12BL-1	19.05	11.68	12.07	5.72	25.80	26.60	14.10	1.8	1.8	16.1	14.6	28.90	5.58	1.42

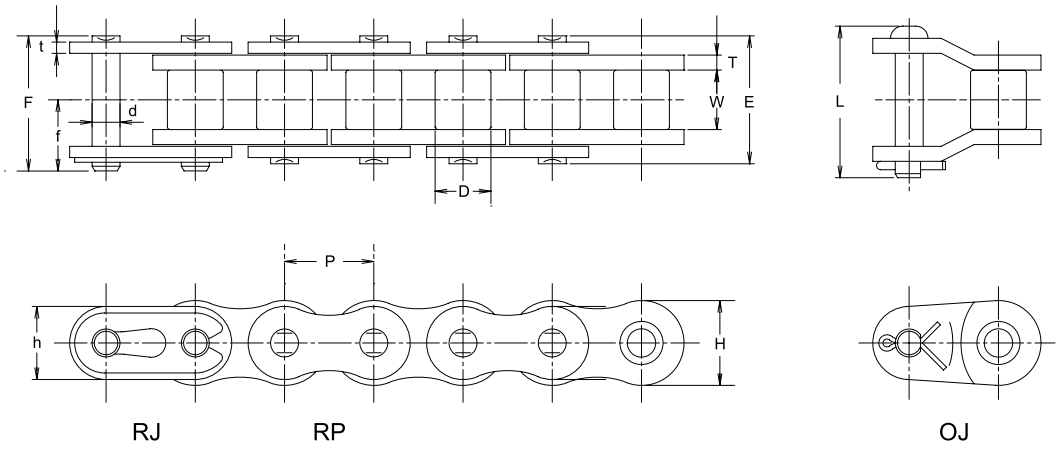
NB: Please contact our Sales Department for other non-stocked sizes.



See **Wipperman Maintenance Free Chain – Page 516**

Sintered Bushing Roller Chain

Sintered Bushing Roller Chain



TYPE UR

Chain No.	Pitch P	Roller link width W	Roller dia. D	Pin					Plate				Avg. tensile strength		Max. allowable load		Approx. weight kg/m
				d	E	F	f	L	T	t	H	h	kN	kgf	kN	kgf	
DID40UR-1	12.70	7.95	7.92	3.97	17.7	19.0	10.2	21.2	2.0	1.5	12.0	10.4	17.8	1,810	3.72	380	0.69
DID50UR-1	15.875	9.53	10.16	5.09	21.2	22.8	12.3	25.0	2.4	2.0	15.0	13.0	29.9	3,040	6.86	700	1.09
DID60UR-1	19.05	12.70	11.91	5.96	27.2	28.9	15.8	33.1	3.2	2.4	18.1	15.6	42.1	4,270	9.31	950	1.71

NB: Please contact our Sales Department for other non-stocked sizes.



See **Sprockets – Page 651**

TransDev offers three chain breakers and two chain pullers as part of our chain tools range

TransDev

Chain Pullers

TransDev chain pullers are designed to keep the chain ends at the correct distance while installing a spring or cotter pin chain link.

CCP135 - For 1/2 to 3/4 inch BS chain and 40 to 60 ASA chain.	CCP180 - For 1 to 2 1/2 inch BS chain and 80 to 160 ASA chain.



CCP180



CCP135

Chain Breakers

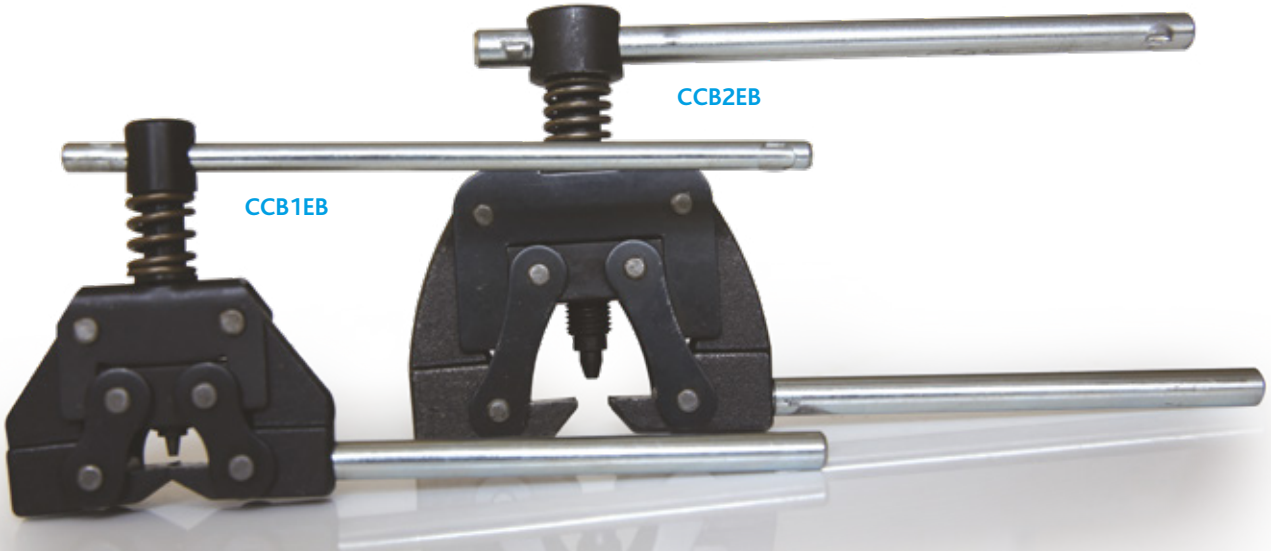
CCB1 - TransDev traditional chain pin extractor for riveted chain. It covers the range of 1/2 to 3/4 inch BS chain and 40 to 60 ASA chain.

CCB1EB - TransDev chain breaker for the removal of side plates where Wippermann Copperhead Easy Break chain is used. It covers the range of 3/8 to 5/8 inch BS and 35 to 50 ASA chain.

CCB2EB - TransDev chain breaker for the removal of side plates where Wippermann Copperhead Easy Break chain is used. It covers the range of 3/4 to 1 1/4 inch BS chain and 60 to 80 ASA chain.



CCB1



CCB2EB

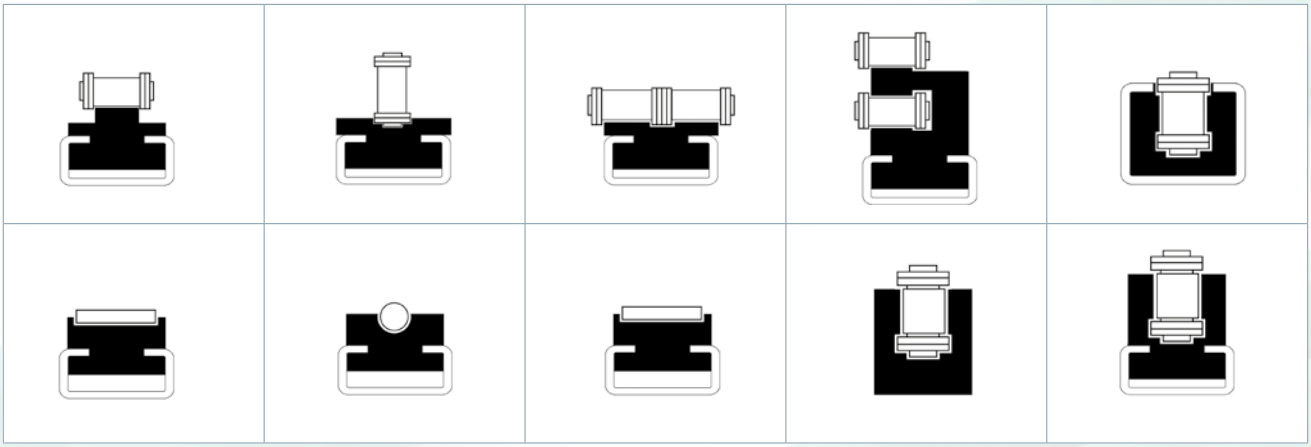
CCB1EB

Transplas Chain Guides and Wearstrips

TRANSPLAS

Our in-house production facilities, approved to BS EN ISO 9001, allow us to manufacture chain guides and belts guides to customers' special requirements.

The following are a small sample of a wide range of possibilities. Please forward your enquiry for prompt attention.



For more information on chain guides and wearstrips please see page 1067



Visit transdev.co.uk
to download a brochure





SPROCKETS

Introduction 652

British Standard Sprockets 654
Pilot Bore (Steel) 655
Pilot Bore (Cast Iron) 668
Double Simplex 671
Pilot Bore (Stainless Steel) 672
Taper Bore (Steel & Cast Iron) 673
Idler Sprockets 678

American Standard Sprockets 680
Pilot Bore (Steel) 681

British Standard Platewheels 687

Chain Torque Limiters 701

Weld on Hubs 702



Sprocket and Platewheel Manufacturing

SPROCKETS TO SUIT YOUR NEEDS

As one of the larger sprocket producers in the United Kingdom, we can manufacture sprockets to suit your individual requirements in a wide range of materials and pitches.



Sprocket and Platewheel Manufacturing

Products are supplied and finished to customer specifications, including heat treatment and protective finishes. We have the resources to manage large contracts as well as the flexibility to meet small prototype requirements. In addition to the manufacture of made-to-order sprockets, TransDev holds £¼ million of stock sprockets, gears and pulleys available for immediate despatch.

Custom Sprockets

Drawings will be necessary for sprockets with additional features, which can be manufactured to your requirements in all materials and to the highest tolerances. We can provide most quotations to drawing within 1 hour. Live work queues enable us to make real time changes, to assist your delivery requirements on existing orders in production. Our unparalled precision cutter range ensures optimum meshing, even in small sprocket sizes.

Rework of Sprockets



Reboring

- Up to 180mm H7 as standard
- Over 180mm - *please enquire*

Keywaying

- Up to 25mm JS9 rectangular parallel keyways as standard
- Over 25mm and special *- please enquire*

Tapped holes

- Up to M16 as standard
- Over M16 *- please enquire*



TransDev MANUFACTURING



Materials

- Steel
- Stainless Steel
- Cast Iron
- Plastics

Capacity

- Diameters from 3mm (0.125") to 1 metre (39")
- Face widths up to 196mm (7.5")

Why TransDev manufacturing

- Rapid quotation
- Total traceability
- Accurate deliveries
- Customer priority scheduling
- Extensive inspection facilities
- BS EN ISO 9001 accreditation

Order Examples

Pilot Bore

PW A80 DR 57 ST D = 25mm

- Product type
- Pitch
- Style type
- Number of teeth
- Material
- Special machining options

Taper Bore

CS 10B SR 28 SS 2012 To Drg

- Product type
- Pitch
- Style type
- Number of teeth
- Material
- Taper bore type
- Special machining options

Product type
CS Chain Sprocket
PW Platewheel

Material
ST Steel
SS Stainless Steel
AC Acetal
NY Nylon
CI Cast Iron
DS Double Simplex

Product type
SR Simplex
DR Duplex
TR Triplex

Special machining options
D Bore
G/S Grubscrews
K Keyway
Drg To customer drawing

Sprocket Descriptions

Pitch x Inside Width	Chain reference	
	British	American
6mm x 2.8mm	04B	-
1/4 " x 1/8"	-	A25
8mm x 3mm	05B	-
3/8" x 3/16"	-	A35
3/8 " x 7/32"	06B	-
1/2" x 1/8"	081	-
1/2" x 3/16"	083	-
1/2" x 1/4"	-	A41
1/2" x 5/16"	08B	A40
5/8" x 3/8"	10B	A50
3/4" x 7/16"	12B	-
3/4" x 1/2"	-	A60
1" x 5/8"	-	A80
1" x 17.02mm	16B	-
1 1/4" x 3/4"	20B	A100
1 1/2" x 1"	24B	A120
1 3/4" x 1 1/4"	28B	-
2" x 1 1/4"	32B	-

Description	Pitch
British Standard Sprockets	
04B	6mm
05B	8mm
06B	3/8"
081	1/2" x 1/8"
083	1/2" x 3/16"
08B	1/2"
10B	5/8"
12B	3/4"
16B	1"
20B	1 1/4"
24B	1 1/2"
28B	1 3/4"
32B	2"
American Standard Sprockets	
ASA25	1/4"
ASA35	3/8"
ASA40	1/2"
ASA50	5/8"
ASA60	3/4"
ASA80	1"
ASA100	11/4"



TransDev MANUFACTURING

DRIVEFLEX

British Standard Sprockets



PILOT AND TAPER BORE

IDLER SPROCKETS

STEEL AND STAINLESS STEEL

CAST IRON

BRITISH STANDARD

TO ISO/R 606

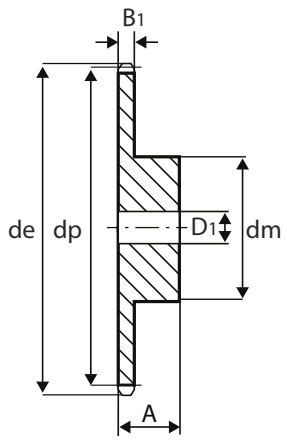
British Standard Pilot Bore Sprockets

BS (04-1) Sprockets - 6 x 2.8mm Steel C45

DRIVEFLEX

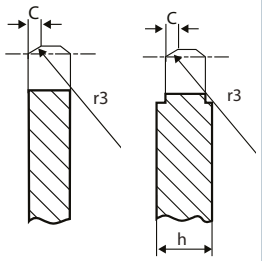
24 | 653 | 501

British Standard



Simplex

Detail



Type A Type B

Tooth radius: r_3 = 6
Radius size: C = 0.7
Tooth width: B_1 = 2.6
Type B for 57 & 76 teeth only, dimension h = 4mm



No. teeth	Outside dia. de	Pitch dia. dp	Boss dia.	Bore D1*	Overall width A
8	18.0	15.67	9.8	5	10
9	19.9	17.54	11.5	5	10
10	21.7	19.42	13	6	10
11	23.6	21.30	14	6	10
12	25.4	23.18	16	6	10
13	27.3	25.05	18	8	10
14	29.2	26.96	20	8	10
15	31.0	28.86	20	8	10
16	33.0	30.76	20	8	13
17	35.0	32.65	20	8	13
18	36.9	34.55	20	8	13
19	38.8	36.44	20	8	13
20	40.7	38.34	20	8	13
21	42.6	40.25	25	8	13
22	44.5	42.16	25	8	13
23	46.4	44.06	25	8	13
24	48.3	45.96	25	8	13
25	50.2	47.87	25	8	13
26	52.1	49.76	30	8	15

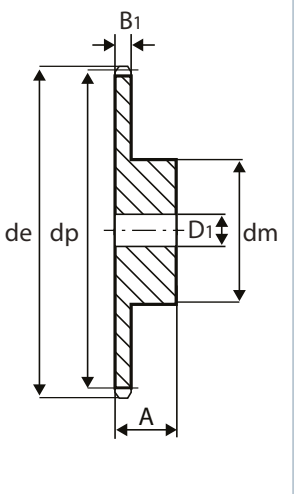
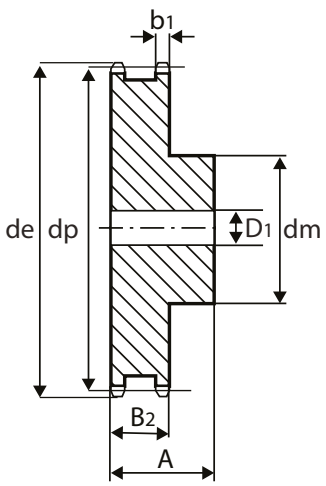
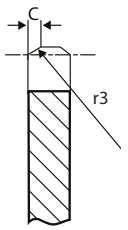
No. teeth	Outside dia. de	Pitch dia. dp	Boss dia.	Bore D1*	Overall width A
27	54.0	51.67	30	8	15
28	55.9	53.58	30	8	15
29	57.8	55.50	30	8	15
30	59.8	57.42	30	8	15
31	61.7	59.31	30	8	15
32	63.6	61.21	30	8	15
33	65.5	63.11	30	8	15
34	67.4	65.02	30	8	15
35	69.3	66.93	30	8	15
36	71.2	68.84	30	8	15
37	73.1	70.75	30	8	15
38	75.0	72.66	30	8	15
39	76.9	74.56	30	8	15
40	78.9	76.47	30	8	15
45	88.5	86.01	40	10	16
50	98.0	95.55	50	12	20
57	111.4	108.93	50	12	20
76	147.6	145.19	80	16	20

* Bore Ø H12 tolerance
All dimensions in mm. Intermediate sizes & special sprockets to drawing up to 1000mm diameter.

Available from stock
Special order - typically 7-10 days

BS (05B) Sprockets - 8 x 3mm Steel C45

DRIVEFLEX

British Standard		Detail
		
Simplex	Duplex	Type A

Tooth radius: r_3 = 8
Radius size: C = 1.0
Tooth width: B_1 = 2.8
Tooth width: b_1 = 2.7
Tooth width: B_2 = 8.3

No. teeth	Outside dia. de	Pitch dia. dp	Simplex			Duplex		
			dm	D1*	A	dm	D1*	A
8	24.0	20.90	13	6	12	12	8	18
9	26.6	23.39	15	6	12	15	8	18
10	29.2	25.89	17	8	12	17	8	18
11	31.7	28.39	18	8	13	19	10	18
12	34.2	30.91	20	8	13	21	10	18
13	36.7	33.42	23	8	13	24	10	18
14	39.2	35.95	25	8	13	26	10	18
15	41.7	38.48	28	8	13	29	10	18
16	44.3	41.01	30	8	14	32	10	20
17	46.8	43.53	30	8	14	34	10	20
18	49.3	46.07	30	8	14	37	10	20
19	51.9	48.61	30	8	14	39	10	20
20	54.4	51.14	30	8	14	40	10	20
21	57.0	53.67	35	8	14	40	10	20
22	59.5	56.21	35	8	14	40	10	20
23	62.0	58.75	35	8	14	40	10	20
24	64.6	61.29	35	8	14	40	10	20
25	67.5	63.83	35	8	14	40	10	20
26	69.5	66.37	40	10	16	50	12	22

No. teeth	Outside dia. de	Pitch dia. dp	Simplex			Duplex		
			dm	D1*	A	dm	D1*	A
27	72.2	68.91	40	10	16	50	12	22
28	74.8	71.45	40	10	16	50	12	22
29	77.3	73.99	40	10	16	50	12	22
30	79.8	76.53	40	10	16	50	12	22
31	82.4	79.08	40	10	16	60	12	22
32	84.9	81.61	40	10	16	60	12	22
33	87.5	84.16	40	10	16	60	12	22
34	90.0	86.70	40	10	16	60	12	22
35	92.5	89.24	40	10	16	60	12	22
36	95.0	91.79	40	10	16	60	12	22
37	97.6	94.33	40	10	16	60	12	22
38	100.2	96.88	40	10	16	60	12	22
39	102.7	99.42	40	10	16	60	12	22
40	105.3	101.97	40	10	16	60	12	22
45	118.0	114.69	60	12	20			
50	130.7	127.41	62	12	20			
57	148.6	145.22	80	14	20			
76	197.7	193.59	80	20	34			

* Bore Ø H12 tolerance

All dimensions in mm. Intermediate sizes & special sprockets to drawing up to 1000mm diameter. Standard: to ISO/R 606

Available from stock

Special order - typically 7-10 days

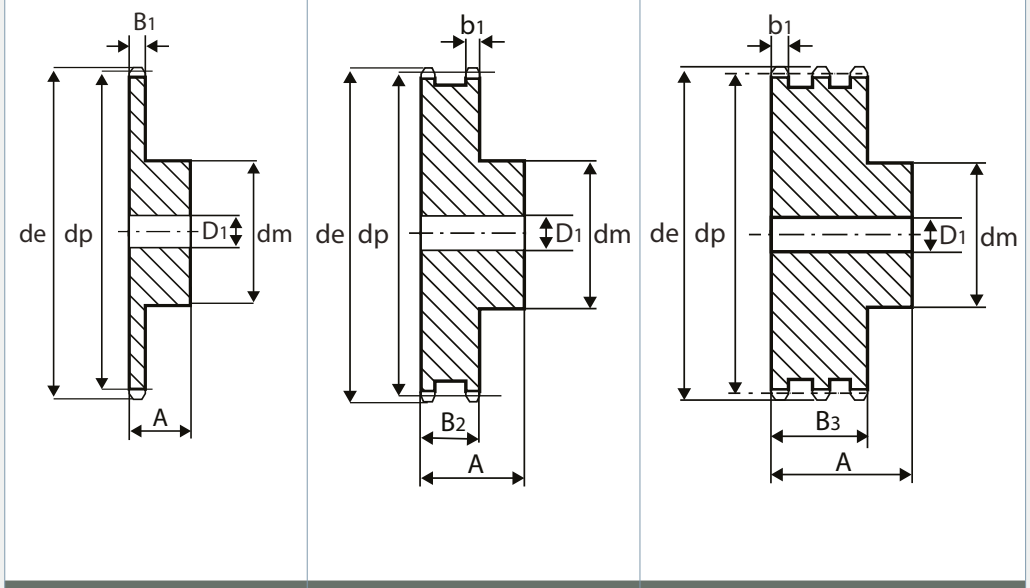
British Standard Pilot Bore Sprockets

BS (06B) Sprockets - 3/8" x 7/32" Steel C45

DRIVEFLEX

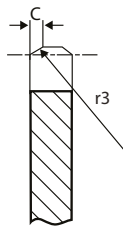
24 653 501

British Standard



Simplex | Duplex | Triplex

Detail



Type A

Tooth radius: r_3 = 10
Radius size: C = 1.0
Tooth width: B_1 = 5.3
Tooth width: b_1 = 5.2
Tooth width: B_2 = 15.4
Tooth width: B_3 = 25.6

No. teeth	Outside dia. de	Pitch dia. dp	Simplex			Duplex			Triplex		
			dm	D1*	A	dm	D1*	A	dm	D1*	A
8	28.0	24.89	15	8	22	15	6	22	15	6	32
9	31.0	27.85	18	8	22	18	8	22	18	8	32
10	34.0	30.82	20	8	22	20	8	22	20	10	32
11	37.0	33.80	22	8	25	22	10	25	22	10	35
12	40.0	36.80	25	8	25	25	10	25	25	10	35
13	43.0	39.80	28	10	25	28	10	25	28	10	35
14	46.3	42.80	31	10	25	31	10	25	31	12	35
15	49.3	45.81	34	10	25	34	10	25	34	12	35
16	52.3	48.82	37	10	28	37	12	30	37	12	35
17	55.3	51.83	40	10	28	40	12	30	40	12	35
18	58.3	54.85	43	10	28	43	12	30	43	12	35
19	61.3	57.87	45	10	28	46	12	30	46	12	35
20	64.3	60.89	46	10	28	49	12	30	49	12	35
21	68.0	63.91	48	12	28	52	12	30	52	14	40
22	71.0	66.93	50	12	28	55	12	30	55	14	40
23	73.5	69.95	52	12	28	58	12	30	58	14	40
24	77.0	72.97	54	12	28	61	12	30	61	14	40
25	80.0	76.00	57	12	28	64	12	30	64	14	40
26	83.0	79.02	60	12	28	67	12	30	67	14	40

No. teeth	Outside dia. de	Pitch dia. dp	Simplex			Duplex			Triplex		
			dm	D1*	A	dm	D1*	A	dm	D1*	A
27	86.0	82.04	60	12	28	70	12	30	70	14	40
28	89.0	85.07	60	12	28	73	12	30	73	14	40
29	92.0	88.09	60	12	28	76	12	30	76	14	40
30	94.7	91.12	60	12	30	79	12	30	79	14	40
31	98.3	94.15	65	14	30	80	16	30	80	16	40
32	101.3	97.17	65	14	30	80	16	30	80	16	40
33	104.3	100.20	65	14	30	80	16	30	80	16	40
34	107.3	103.23	65	14	30	80	16	30	85	16	40
35	110.4	106.26	65	14	30	80	16	30	85	16	40
36	113.4	109.29	70	16	30	90	16	30	90	16	40
37	116.4	112.32	70	16	30	90	16	30	90	16	40
38	119.5	115.34	70	16	30	90	16	30	90	16	40
39	122.5	118.37	70	16	30	90	16	30	90	16	40
40	125.5	121.40	70	16	30	90	16	30	90	16	40
50	155.7	151.69	78	20	35						
57	176.9	172.91	78	20	35	88	20	50			
60	186.0	181.99	78	20	35						
76	234.9	230.49	78	20	35						

* Bore Ø H12 tolerance

All dimensions in mm. Intermediate sizes & special sprockets to drawing up to 1000mm diameter. Standard: to ISO/R 606

Available from stock

Special order - typically 7-10 days

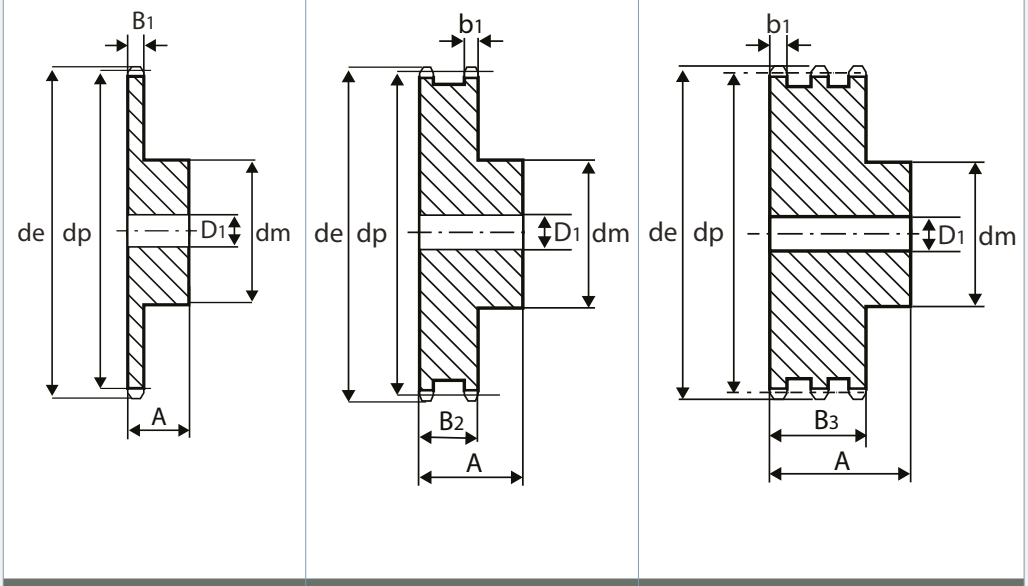
NB: Please refer to page 584 for tooth sizes above 76 teeth.

British Standard Pilot Bore Sprockets

BS (08B) Sprockets - 1/2" x 5/16" Steel C45, UN17845

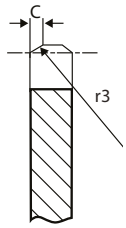
DRIVEFLEX

British Standard



Simplex | Duplex | Triplex

Detail



Type A

Tooth radius: r_3 = 13
Radius size: C = 1.3
Tooth width: B_1 = 7.2
Tooth width: b_1 = 7.0
Tooth width: B_2 = 21.0
Tooth width: B_3 = 34.9

No. teeth	Outside dia. de	Pitch dia. dp	Simplex			Duplex			Triplex		
			dm	D1*	A	dm	D1*	A	dm	D1*	A
8	37.2	33.18	20	10	25	20	10	32	20	10	46
9	41.0	37.13	24	10	25	24	10	32	24	12	46
10	45.2	41.10	26	10	25	28	10	32	28	12	46
11	48.7	45.07	29	10	25	32	12	35	32	14	50
12	53.0	49.07	33	10	28	35	12	35	35	14	50
13	57.4	53.06	37	10	28	38	12	35	38	14	50
14	61.8	57.07	41	10	28	42	12	35	42	14	50
15	65.5	61.09	45	10	28	46	12	35	46	14	50
16	69.5	65.10	50	12	28	50	14	35	50	16	50
17	73.6	69.11	52	12	28	54	14	35	54	16	50
18	77.8	73.14	56	12	28	58	14	35	58	16	50
19	81.7	77.16	60	12	28	62	14	35	62	16	50
20	85.8	81.19	64	12	28	66	14	35	66	16	50
21	89.7	85.22	68	12	28	70	16	40	70	20	55
22	93.8	89.24	70	12	28	70	16	40	70	20	55
23	98.2	93.27	70	14	28	70	16	40	70	20	55
24	101.8	97.29	70	14	28	75	16	40	75	20	55
25	105.8	101.33	70	14	28	80	16	40	80	20	55
26	110.0	105.36	70	16	30	85	20	40	85	20	55

No. teeth	Outside dia. de	Pitch dia. dp	Simplex			Duplex			Triplex		
			dm	D1*	A	dm	D1*	A	dm	D1*	A
27	114.0	109.40	70	16	30	85	20	40	85	20	55
28	118.0	113.42	70	16	30	90	20	40	90	20	55
29	122.0	117.46	80	16	30	95	20	40	95	20	55
30	126.1	121.50	80	16	30	100	20	40	100	20	55
31	130.2	125.54	90	16	30	100	20	40	110	20	55
32	134.3	129.56	90	16	30	100	20	40	110	20	55
33	138.4	133.60	90	16	30	100	20	40	110	20	55
34	142.6	137.64	90	16	30	100	20	40	110	20	55
35	146.7	141.68	90	16	30	100	20	40	110	20	55
36	151.0	145.72	90	16	35	110	20	40	120	25	55
37	154.6	149.76	90	16	35	110	20	40	120	25	55
38	158.6	153.80	90	16	35	110	20	40	120	25	55
39	162.7	157.83	90	16	35	110	20	40	120	25	55
40	166.8	161.87	90	16	35	110	20	40	120	25	55
45	188.0	182.07	88	20	42						
57	236.4	230.54	88	20	42	108	25	55			
60	248.6	242.66	88	20	42						
64	265.1	258.82	88	20	42						

* Bore Ø H12 tolerance

All dimensions in mm. Intermediate sizes & special sprockets to drawing up to 1000mm diameter. Standard: to ISO/R 606

Available from stock

Special order - typically 7-10 days

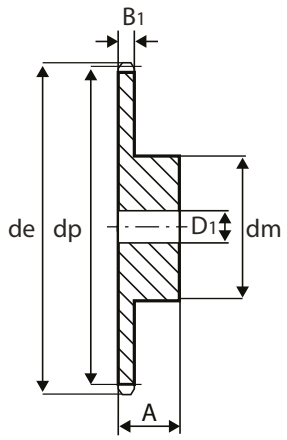
NB: Please refer to page 584 for tooth sizes above 64 teeth.

BS (081-1) Sprockets - 1/2" x 1/8" Steel C45

DRIVEFLEX

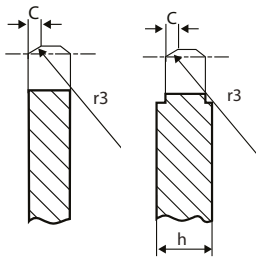


British Standard



Simplex

Detail



Type A Type B

Tooth radius: r_3 = 13
Radius size: C = 1.0
Tooth width: B_1 = 3.0
Type B from 31 teeth, dimension h = 5mm



No. teeth	Outside dia. de	Pitch dia. dp	Boss dia.	Bore D_1*	Overall width A
8	37.2	33.18	21	8	14
9	41.5	37.13	25	8	14
10	46.2	41.10	28	8	14
11	49.6	45.07	31	8	16
12	53.9	49.07	35	8	16
13	58.4	53.06	39	8	16
14	62.8	57.07	43	8	16
15	66.8	61.09	47	8	16
16	70.9	65.10	50	10	18
17	74.9	69.11	50	10	18
18	78.9	73.14	50	10	18
19	82.9	77.16	50	10	18
20	86.9	81.19	50	10	18
21	91	85.22	60	12	20
22	95	89.24	60	12	20
23	99	93.27	60	12	20
24	103	97.29	60	12	20

No. teeth	Outside dia. de	Pitch dia. dp	Boss dia.	Bore D_1*	Overall width A
25	107.1	101.33	60	12	20
26	111.2	105.36	70	16	20
27	115.4	109.40	70	16	20
28	119.4	113.42	70	16	20
29	123.4	117.46	70	16	20
30	127.5	121.50	70	16	20
31	131.5	125.54	70	16	20
32	135.5	129.56	70	16	20
33	139.6	133.60	70	16	20
34	143.6	137.64	70	16	20
35	147.6	141.68	70	16	20
36	151.7	145.72	70	16	25
37	155.7	149.76	70	16	25
38	159.8	153.80	70	16	25
39	163.8	157.83	70	16	25
40	167.8	161.87	70	16	25

* Bore Ø H12 tolerance

All dimensions in mm. Intermediate sizes & special sprockets to drawing up to 1000mm diameter. Standard: to ISO/R 606

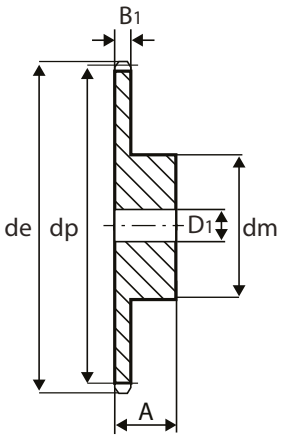
Available from stock

Special order - typically 7-10 days

BS (083-1) Sprockets - 1/2" x 3/16" Steel C45, UN17845

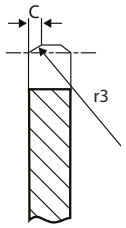
DRIVEFLEX

British Standard



Simplex

Detail



Type A

Tooth radius: r_3 = 13
Radius size: C = 1.3
Tooth width: B_1 = 4.5
From 31 teeth, dimension h = 5mm



No. teeth	Outside dia de	Pitch dia. dp	Boss dia.	Bore D1*	Overall width A
8	38.5	33.18	21	8	14
9	41.5	37.13	25	8	14
10	46.2	41.10	28	8	14
11	49.6	45.07	31	8	16
12	53.9	49.07	35	8	16
13	58.4	53.06	39	8	16
14	62.8	57.07	43	8	16
15	66.8	61.09	47	8	16
16	70.9	65.10	50	10	18
17	74.9	69.11	50	10	18
18	78.9	73.14	50	10	18
19	82.9	77.16	50	10	18
20	86.9	81.19	50	10	18
21	91	85.22	60	12	20
22	95	89.24	60	12	20
23	99	93.27	60	12	20
24	103	97.29	60	12	20

No. teeth	Outside dia. de	Pitch dia. dp	Boss dia.	Bore D1*	Overall width A
25	107.1	101.33	60	12	20
26	111.2	105.36	70	16	20
27	115.4	109.40	70	16	20
28	119.4	113.42	70	16	20
29	123.4	117.46	70	16	20
30	127.5	121.50	70	16	20
31	131.5	125.54	70	16	20
32	135.5	129.56	70	16	20
33	139.6	133.60	70	16	20
34	143.6	137.64	70	16	20
35	147.6	141.68	70	16	20
36	151.7	145.72	70	16	25
37	155.7	149.76	70	16	25
38	159.8	153.80	70	16	25
39	163.8	157.83	70	16	25
40	167.8	161.87	70	16	25

* Bore Ø H12 tolerance

All dimensions in mm. Intermediate sizes & special sprockets to drawing up to 1000mm diameter. Standard: to ISO/R 606

Available from stock

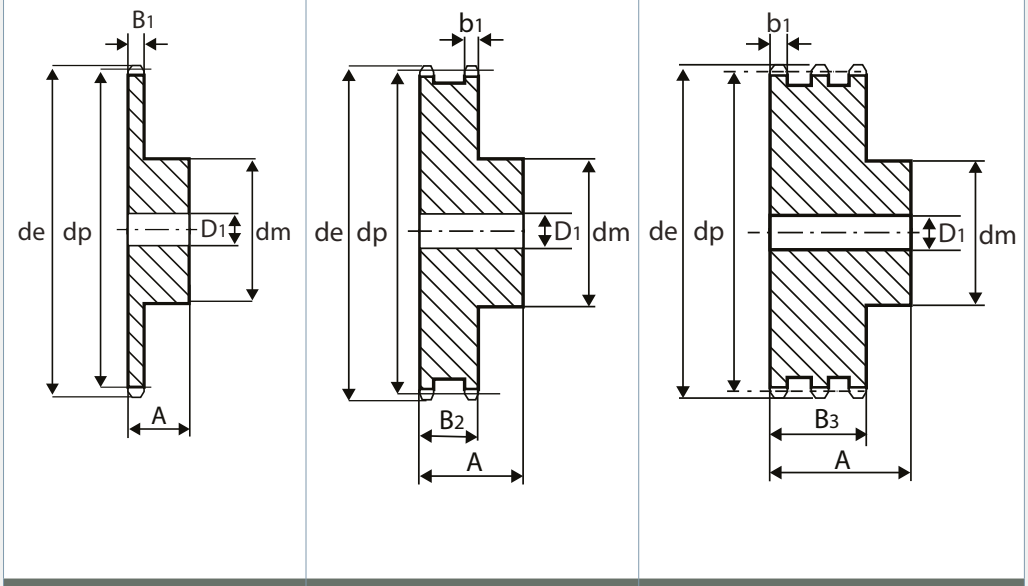
Special order - typically 7-10 days

BS (10B) Sprockets - 5/8" x 3/8" Steel C45

DRIVEFLEX

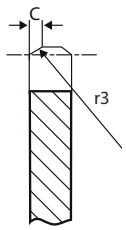
24 | 653 | 501

British Standard



Simplex | Duplex | Triplex

Detail



Type A

Tooth radius: r_3 = 16
Radius size: C = 1.6
Tooth width: B_1 = 9.1
Tooth width: b_1 = 9.0
Tooth width: B_2 = 25.5
Tooth width: B_3 = 42.1

No. teeth	Outside dia. de	Pitch dia. dp	Simplex			Duplex			Triplex		
			dm	D1*	A	dm	D1*	A	dm	D1*	A
8	47	41.48	25	10	25	25	12	40	25	12	55
9	52.6	46.42	30	10	25	30	12	40	30	12	55
10	57.5	51.37	35	10	25	35	12	40	35	16	55
11	63	56.34	37	12	30	39	14	40	39	16	55
12	68	61.34	42	12	30	44	14	40	44	16	55
13	73	66.32	47	12	30	49	14	40	49	16	55
14	78	71.34	52	12	30	54	14	40	54	16	55
15	83	76.36	57	12	30	59	14	40	59	16	55
16	88	81.37	60	12	30	64	16	45	64	16	60
17	93	86.39	60	12	30	69	16	45	69	16	60
18	98.3	91.42	70	14	30	74	16	45	74	16	60
19	103.3	96.45	70	14	30	79	16	45	79	16	60
20	108.4	101.49	75	14	30	84	16	45	84	16	60
21	113.4	106.52	75	16	30	85	16	45	85	20	60
22	118	111.55	80	16	30	90	16	45	90	20	60
23	123.4	116.58	80	16	30	95	16	45	95	20	60
24	128.3	121.62	80	16	30	100	16	45	100	20	60
25	134	126.66	80	16	30	105	16	45	105	20	60

No. teeth	Outside dia. de	Pitch dia. dp	Simplex			Duplex			Triplex		
			dm	D1*	A	dm	D1*	A	dm	D1*	A
26	139	131.70	85	20	35	110	20	45	110	20	60
27	144	136.75	85	20	35	110	20	45	110	20	60
28	148.7	141.78	90	20	35	115	20	45	115	20	60
29	153.8	146.83	90	20	35	115	20	45	115	20	60
30	158.8	151.87	90	20	35	120	20	45	120	20	60
31	163.9	156.92	95	20	35	120	20	45	120	20	60
32	168.9	161.95	95	20	35	120	20	45	120	20	60
33	174.5	167.00	95	20	35	120	20	45	120	20	60
34	179	172.05	95	20	35	120	20	45	120	20	60
35	184.1	177.10	95	20	35	120	20	45	120	20	60
36	189.1	182.15	100	20	35	120	20	45	120	25	60
37	194.2	187.20	100	20	35	120	20	45	120	25	60
38	199.2	192.24	100	20	35	120	20	45	120	25	60
39	204.2	197.29	100	20	35	120	20	45	120	25	60
40	209.3	202.34	100	20	35	120	20	45	120	25	60
57	296	288.18	108	25	43	120	25	59	136	25	74
60	310.8	303.32	108	25	43	120	25	59	136	25	74
76	392.1	384.16	108	25	43	120	25	59	145	30	75

* Bore Ø H12 tolerance

All dimensions in mm. Intermediate sizes & special sprockets to drawing up to 1000mm diameter. Standard: to ISO/R 606

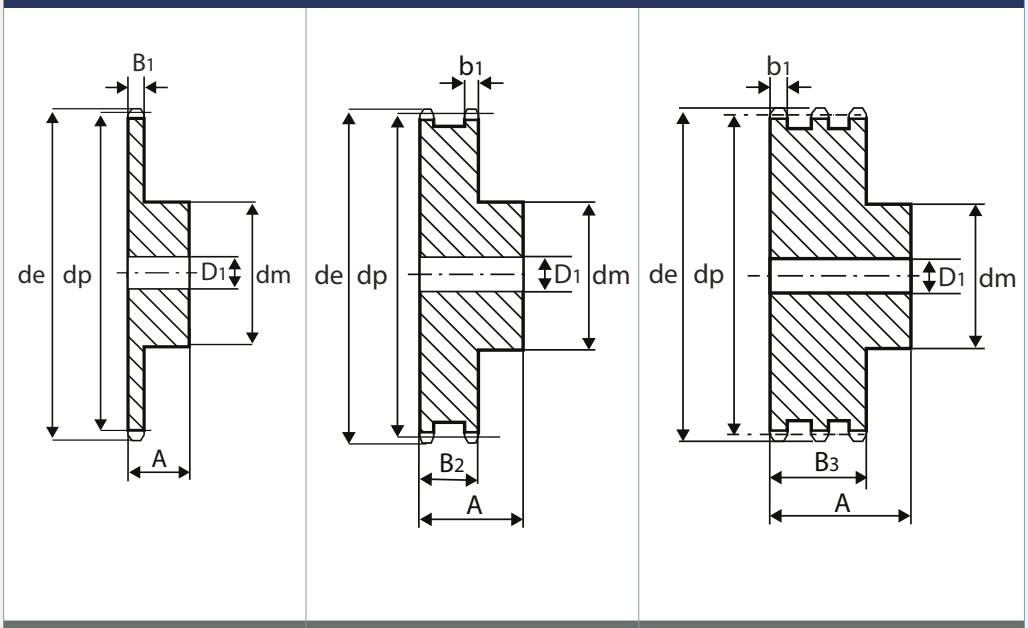
Available from stock ☐ Special order - typically 7-10 days

NB: Please refer to page 585 for tooth sizes above 76 teeth.

BS (12B) Sprockets - 3/4" x 7/16" Steel C45, UN17845

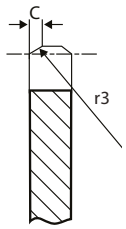
DRIVEFLEX

British Standard



Simplex | Duplex | Triplex

Detail



Type A

Tooth radius: r_3 = 19
Radius size: C = 2
Tooth width: B_1 = 11.1
Tooth width: b_1 = 10.8
Tooth width: B_2 = 30.3
Tooth width: B_3 = 49.8

No. teeth	Outside dia. de	Pitch dia. dp	Simplex			Duplex			Triplex		
			dm	D1*	A	dm	D1*	A	dm	D1*	A
8	57.6	49.78	31	12	30	31	12	45	31	16	65
9	62	55.70	37	12	30	37	12	45	37	16	65
10	69	61.64	42	12	30	42	12	45	42	16	65
11	75	67.61	46	14	35	47	16	50	47	20	70
12	81.5	73.60	52	14	35	53	16	50	53	20	70
13	87.5	79.59	58	14	35	59	16	50	59	20	70
14	93.6	85.61	64	14	35	65	16	50	65	20	70
15	99.8	91.63	70	14	35	71	16	50	71	20	70
16	105.5	97.65	75	16	35	77	20	50	77	20	70
17	111.5	103.67	80	16	35	83	20	50	83	20	70
18	118	109.71	80	16	35	89	20	50	89	20	70
19	124.2	115.75	80	16	35	95	20	50	95	20	70
20	129.7	121.78	80	16	35	100	20	50	100	20	70
21	136	127.82	90	20	40	100	20	50	100	20	70
22	141.8	133.86	90	20	40	100	20	50	100	20	70
23	149	139.90	90	20	40	110	20	50	110	20	70
24	153.9	145.94	90	20	40	110	20	50	110	20	70

No. teeth	Outside dia. de	Pitch dia. dp	Simplex			Duplex			Triplex		
			dm	D1*	A	dm	D1*	A	dm	D1*	A
25	160	152.00	90	20	40	120	20	50	120	20	70
26	165.9	158.04	95	20	40	120	20	50	120	20	70
27	172.3	164.09	95	20	40	120	20	50	120	20	70
28	178	170.13	95	20	40	120	20	50	120	20	70
29	184.1	176.19	95	20	40	120	20	50	120	20	70
30	190.5	182.25	95	20	40	120	20	50	120	20	70
31	196.3	188.31	100	20	40	130	20	50	130	25	70
32	203.3	194.35	100	20	40	130	20	50	130	25	70
33	209.3	200.40	100	20	40	130	20	50	130	25	70
34	214.6	206.46	100	20	40	130	20	50	130	25	70
35	221	212.52	100	20	40	130	20	50	130	25	70
36	226.8	218.58	100	20	40	130	25	50	130	25	70
37	232.9	224.64	100	20	40	130	25	50	130	25	70
38	239	230.69	100	20	40	130	25	50	130	25	70
39	245.1	236.75	100	20	40	130	25	50	130	25	70
40	251.3	242.81	100	20	40	130	25	50	130	25	70
57	355.4	345.81	118	25	61	136	25	62			

* Bore Ø H12 tolerance

All dimensions in mm. Intermediate sizes & special sprockets to drawing up to 1000mm diameter. Standard: to ISO/R 606

Available from stock

Special order - typically 7-10 days

NB: Please refer to page 585 for tooth sizes above 57 teeth.

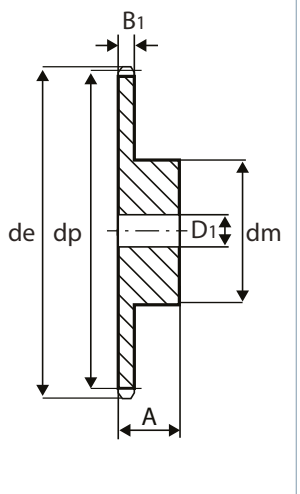
British Standard Pilot Bore Sprockets

BS (16B) Sprockets - 1" x 17.02" Steel C45

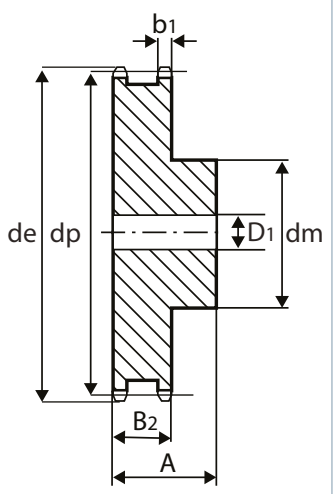
DRIVEFLEX



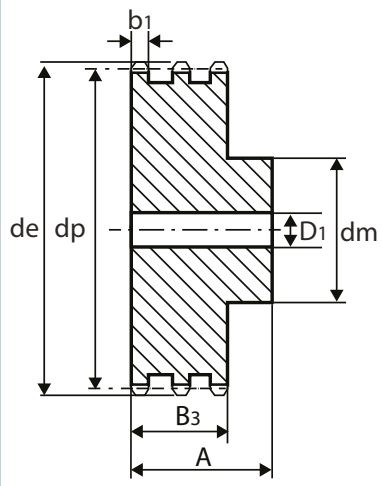
British Standard



Simplex

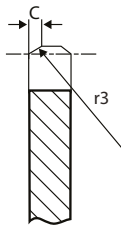


Duplex



Triplex

Detail



Type A

Tooth radius: r_3 = 26
Radius size: C = 2.5
Tooth width: B_1 = 16.2
Tooth width: b_1 = 15.8
Tooth width: B_2 = 47.7
Tooth width: B_3 = 79.6

No. teeth	Outside dia. de	Pitch dia. dp	Simplex			Duplex			Triplex		
			dm	D1*	A	dm	D1*	A	dm	D1*	A
8	77	66.37	42	16	35	42	16	65	42	20	95
9	85	74.27	50	16	35	50	16	65	50	20	95
10	93	82.19	55	16	35	56	16	65	56	20	95
11	99.5	90.14	61	16	40	64	20	70	64	25	100
12	109	98.14	69	16	40	72	20	70	72	25	100
13	117	106.12	78	16	40	80	20	70	80	25	100
14	125	114.15	84	16	40	88	20	70	88	25	100
15	133	122.17	92	16	40	96	20	70	96	25	100
16	141	130.20	100	20	45	104	20	70	104	30	100
17	149	138.22	100	20	45	112	20	70	112	30	100
18	157	146.28	100	20	45	120	20	70	120	30	100
19	165.2	154.33	100	20	45	128	20	70	128	30	100
20	173.2	162.38	100	20	45	130	20	70	130	30	100
21	181.2	170.43	110	20	50	130	25	70	130	30	100
22	189.3	178.48	110	20	50	130	25	70	130	30	100
23	197.5	186.53	110	20	50	130	25	70	130	30	100
24	205.5	194.59	110	20	50	130	25	70	130	30	100

No. teeth	Outside dia. de	Pitch dia. dp	Simplex			Duplex			Triplex		
			dm	D1*	A	dm	D1*	A	dm	D1*	A
25	213.5	202.66	110	20	50	130	25	70	130	30	100
26	221.6	210.72	120	20	50	130	25	70	130	30	100
27	229.6	218.79	120	20	50	130	25	70	130	30	100
28	237.7	226.85	120	20	50	130	25	70	130	30	100
29	245.8	234.92	120	20	50	130	25	70	130	30	100
30	254	243.00	120	20	50	130	25	70	130	30	100
31	262	251.08	120	25	50	140	25	70	130	30	100
32	270	259.13	120	25	50	140	25	70	140	30	100
33	278.5	267.21	120	25	50	140	25	70	140	30	100
34	287	275.28	120	25	50	140	25	70	140	30	100
35	296.2	283.36	120	25	50	140	25	70	140	30	100
36	304.6	291.44	120	25	50	140	25	70	140	30	100
37	312.6	299.51	120	25	50	140	25	70	140	30	100
38	320.7	307.59	120	25	50	140	25	70	140	30	100
39	328.8	315.67	120	25	50	140	25	70	140	30	100
40	336.9	323.75	120	25	50	140	25	70	140	30	100

* Bore Ø H12 tolerance

All dimensions in mm. Intermediate sizes & special sprockets to drawing up to 1000mm diameter. Standard: to ISO/R 606

Available from stock

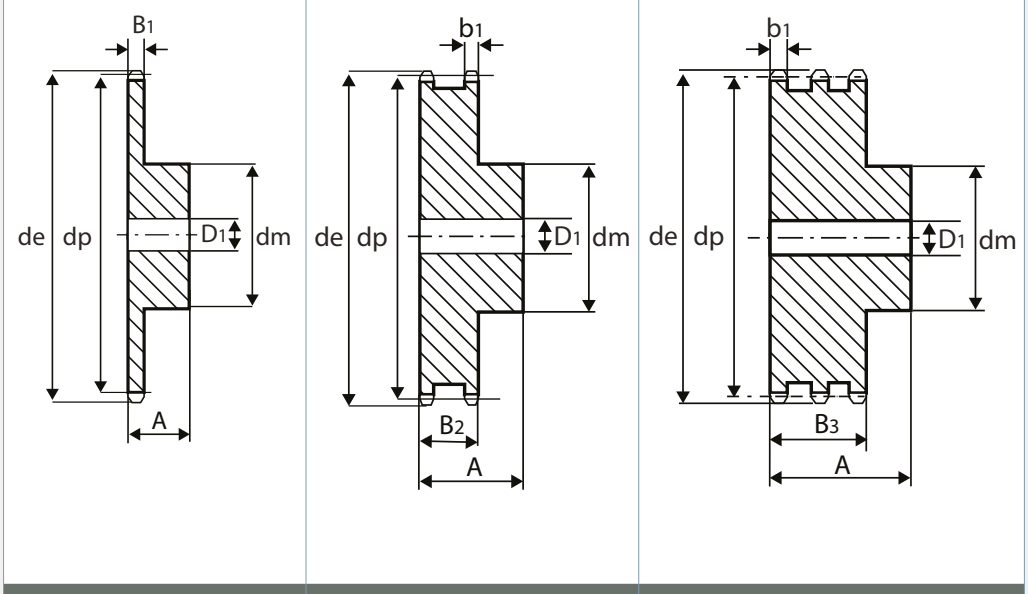
Special order - typically 7-10 days

NB: Please refer to page 586 for tooth sizes above 40 teeth.

BS (20B) Sprockets - 1 1/4" x 3/4" Steel C45, UN17845

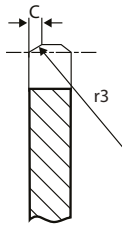
DRIVEFLEX

British Standard



Simplex | Duplex | Triplex

Detail



Type A

Tooth radius: r_3 = 32
Radius size: C = 3.5
Tooth width: B_1 = 18.5
Tooth width: b_1 = 18.2
Tooth width: B_2 = 54.6
Tooth width: B_3 = 91

No. teeth	Outside dia. de	Pitch dia. dp	Simplex			Duplex			Triplex		
			dm	D1*	A	dm	D1*	A	dm	D1*	A
8	98.1	82.96	53	20	40	53	20	75	53	20	110
9	108	92.84	63	20	40	63	20	75	63	20	110
10	117.9	102.74	70	20	40	70	20	75	70	20	110
11	127.8	112.68	77	20	45	80	20	80	80	20	115
12	137.8	122.68	88	20	45	90	20	80	90	20	115
13	147.8	132.65	98	20	45	100	20	80	100	20	115
14	157.8	142.68	108	20	45	110	20	80	110	20	115
15	167.9	152.72	118	20	45	120	20	80	120	20	115
16	177.9	162.75	120	25	50	120	25	80	120	25	115
17	187.9	172.78	120	25	50	120	25	80	120	25	115
18	198	182.85	120	25	50	120	25	80	120	25	115
19	208.1	192.91	120	25	50	120	25	80	120	25	115
20	218.1	202.98	120	25	50	120	25	80	120	25	115
21	228.2	213.04	140	25	55	140	25	80	140	25	115
22	238.3	223.11	140	25	55	140	25	80	140	25	115
23	248.3	233.17	140	25	55	140	25	80	140	25	115
24	258.4	243.23	140	25	55	140	25	80	140	25	115

No. teeth	Outside dia. de	Pitch dia. dp	Simplex			Duplex			Triplex		
			dm	D1*	A	dm	D1*	A	dm	D1*	A
25	268.5	253.33	140	25	55	140	25	80	140	25	115
26	278.6	263.40	150	25	55	150	25	80	150	25	115
27	288.6	273.48	150	25	55	150	25	80	150	25	115
28	298.7	283.56	150	25	55	150	25	80	150	25	115
29	308.8	293.65	150	25	55	150	25	80	150	25	115
30	318.9	303.75	150	25	55	150	25	80	150	25	115
31	329	313.85	150	25	55	150	25	80	150	30	115
32	339.1	323.91	150	25	55	150	25	80	150	30	115
33	349.2	334.01	150	25	55	150	25	80	150	30	115
34	359.3	344.10	150	25	55	150	25	80	150	30	115
35	369.4	354.20	150	25	55	150	25	80	150	30	115
36	379.5	364.30	150	25	55	150	30	80	150	30	115
37	389.5	374.39	150	25	55	150	30	80	150	30	115
38	399.6	384.49	150	25	55	150	30	80	150	30	115
39	409.7	394.59	150	25	55	150	30	80	150	30	115
40	419.8	404.66	150	25	55	150	30	80	150	30	115

* Bore Ø H12 tolerance

All dimensions in mm. Intermediate sizes & special sprockets to drawing up to 1000mm diameter. Standard: to ISO/R 606

Available from stock

Special order - typically 7-10 days

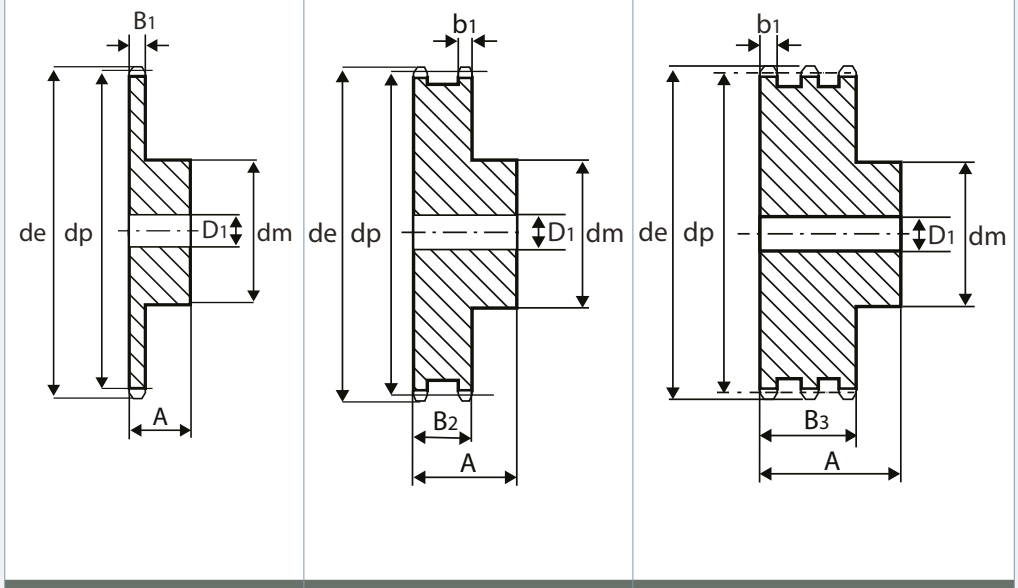
NB: Please refer to page 586 for tooth sizes above 40 teeth.

BS (24B) Sprockets - 1 1/2" x 1" Steel C45

DRIVEFLEX

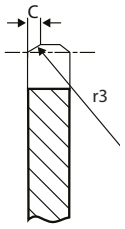
24 | 653 | 501

British Standard



Simplex | Duplex | Triplex

Detail



Type A

Tooth radius: r_3 = 38
Radius size: C = 4
Tooth width: B_1 = 24.1
Tooth width: b_1 = 23.6
Tooth width: B_2 = 72
Tooth width: B_3 = 120.3

No. teeth	Outside dia. de	Pitch dia. dp	Simplex			Duplex			Triplex		
			dm	D1*	A	dm	D1*	A	dm	D1*	A
8	115	99.55	58	20	45	58	25	95	58	25	140
9	126.4	111.40	70	20	45	70	25	95	70	25	140
10	138	123.29	80	20	45	80	25	95	80	25	140
11	150	135.21	90	25	50	90	25	100	90	25	150
12	162	147.22	102	25	50	102	25	100	102	25	150
13	174.2	159.18	114	25	50	114	25	100	114	25	150
14	186.2	171.22	128	25	50	128	25	100	128	25	150
15	198.2	183.26	140	25	50	140	25	100	140	25	150
16	210.3	195.30	140	25	55	140	25	100	140	25	150
17	222.3	207.34	140	25	55	150	25	100	150	25	150
18	234.3	219.42	140	25	55	160	25	100	160	25	150
19	246.5	231.49	140	25	55	160	25	100	160	25	150
20	258.6	243.57	140	25	55	160	25	100	160	25	150
21	270.6	255.65	150	25	60	160	25	100	160	30	150
22	282.7	267.73	150	25	60	160	25	100	160	30	150
23	294.8	279.80	150	25	60	160	25	100	160	30	150
24	306.8	291.88	150	25	60	160	25	100	160	30	150

No. teeth	Outside dia. de	Pitch dia. dp	Simplex			Duplex			Triplex		
			dm	D1*	A	dm	D1*	A	dm	D1*	A
25	319	304.00	150	25	60	160	25	100	160	30	150
26	331	316.08	160	30	60	160	30	100	160	30	150
27	343.2	328.19	160	30	60	160	30	100	160	30	150
28	355.2	340.27	160	30	60	160	30	100	160	30	150
29	367.3	352.38	160	30	60	160	30	100	160	30	150
30	379.5	364.50	160	30	60	160	30	100	160	30	150
31	391.6	376.62	160	30	60	170	30	100			
32	403.7	388.69	160	30	60	170	30	100	170	40	150
33	415.8	400.81	160	30	60	170	30	100	170	40	150
34	427.8	412.93	160	30	60	170	30	100	170	40	150
35	440	425.04	160	30	60	170	30	100	170	40	150
36	452	437.16	160	30	60	170	30	100	170	40	150
37	464.2	449.27	160	30	60	170	30	100			
38	476.2	461.39	160	30	60	170	30	100	170	40	150
39	488.5	473.50	160	30	60	170	30	100			
40	500.6	485.62	160	30	60	170	30	100	170	40	150

* Bore Ø H12 tolerance

All dimensions in mm. Intermediate sizes & special sprockets to drawing up to 1000mm diameter. Standard: to ISO/R 606

Available from stock

Special order - typically 7-10 days

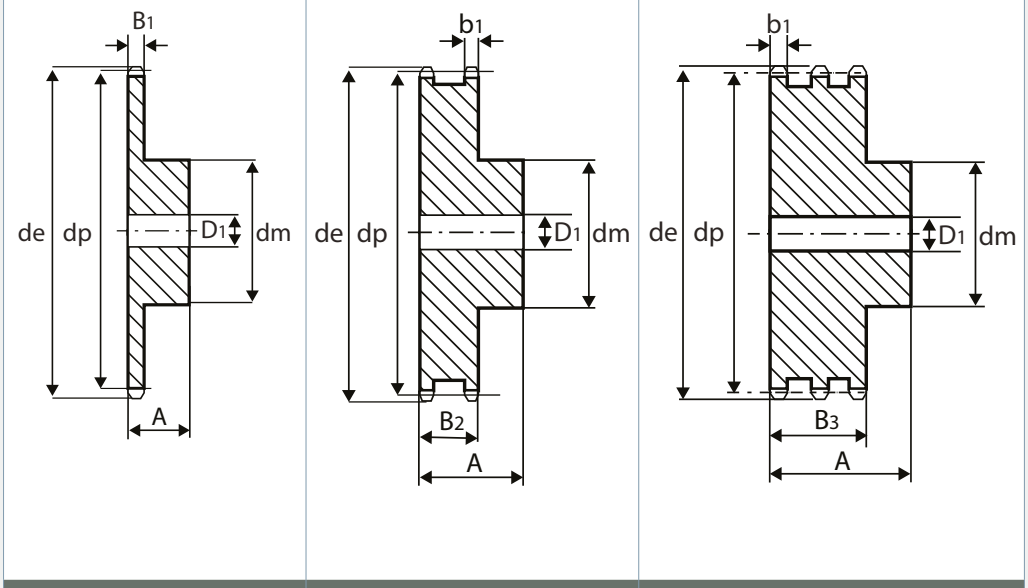
NB: Please refer to page 586 for tooth sizes above 40 teeth.

British Standard Pilot Bore Sprockets

BS (28B) Sprockets - 1 3/4" x 1 1/4" Steel C45, UN17845

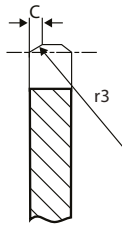
DRIVEFLEX

British Standard



Simplex | Duplex | Triplex

Detail



Type A

Tooth radius: r_3 = 44
Radius size: C = 5
Tooth width: B_1 = 29.4
Tooth width: b_1 = 28.8
Tooth width: B_2 = 88.4
Tooth width: B_3 = 148

No. teeth	Outside dia. de	Pitch dia. dp	Simplex			Duplex			Triplex		
			dm	D1*	A	dm	D1*	A	dm	D1*	A
8	132.0	116.15	74	25	70	74	25	120	74	30	180
9	148.4	129.96	88	25	70	88	25	120	88	30	180
10	162.3	143.85	100	25	70	100	25	120	100	30	180
11	176.3	157.77	112	25	70	112	25	120	112	30	180
12	189.5	171.74	125	25	70	125	25	120	125	30	180
13	204.2	185.75	130	25	70	130	25	120	130	30	180
14	218.2	199.76	130	25	70	130	25	120	130	30	180
15	232.3	213.79	145	25	70	145	30	120	145	30	180
16	246.3	227.84	160	30	75	160	30	120	160	30	180
17	260.0	241.91	160	30	75	160	30	120	160	30	180
18	274.0	255.98	160	30	75	160	30	120	160	30	180
19	289.0	270.06	160	30	75	180	30	120	180	30	180
20	303.0	284.15	160	30	75	180	30	120	180	30	180
21	317.0	298.24	170	30	75	180	30	120	180	30	180
22	331.0	312.34	170	30	75	180	30	120	180	30	180
23	345.0	326.44	170	30	75	180	30	120	180	30	180
24	359.0	340.55	170	30	75	180	30	120	180	30	180

No. teeth	Outside dia. de	Pitch dia. dp	Simplex			Duplex			Triplex		
			dm	D1*	A	dm	D1*	A	dm	D1*	A
25	373	354.66	170	30	75	180	30	120	180	40	180
26	387	368.77	170	30	75	180	30	120	180	40	180
27	401.4	382.88	170	30	75	180	30	120	180	40	180
28	416	397.00	170	30	75	180	30	120	180	40	180
29	430	411.12	170	30	75	180	30	120			
30	444	425.24	170	30	75	180	30	120	180	40	180
31	458	439.37	180	30	75						
32	472	453.49	180	30	75						
33	486	467.62	180	30	75						
34	500	481.75	180	30	75						
35	514	495.88	180	30	75	200	30	120	200	40	180
36	529	510.01	180	30	75						
37	543	524.14	180	30	75						
38	557	538.27	180	30	75	200	30	120	200	40	180
39	571	552.40	180	30	75						
40	585	566.54	180	30	75	200	30	120	200	40	180

* Bore Ø H12 tolerance

All dimensions in mm. Intermediate sizes & special sprockets to drawing up to 1000mm diameter. Standard: to ISO/R 606

Available from stock

Special order - typically 7-10 days

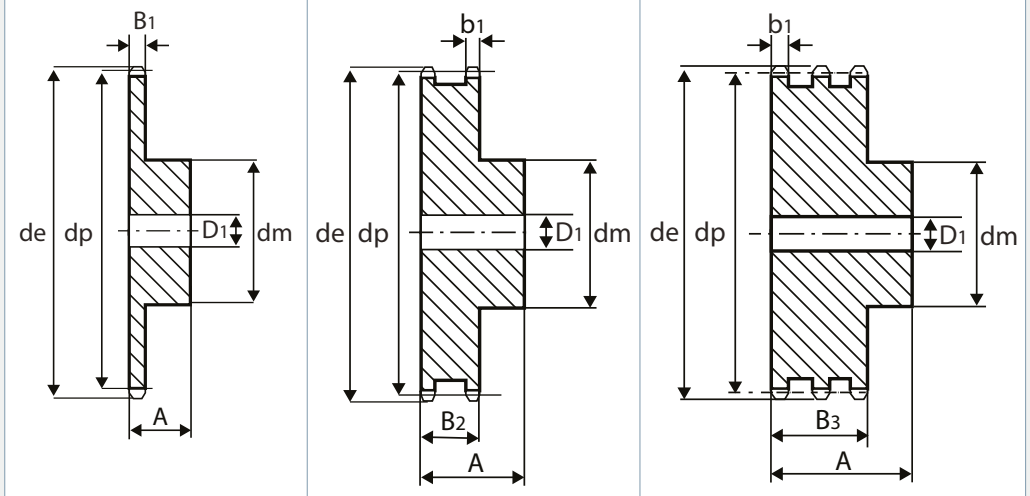
24hr Breakdown available | Customisable product | Product code builder | Compatible product

BS (32B) Sprockets - 2" x 1 1/4" Steel C45

DRIVEFLEX

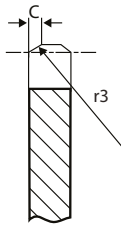
24 653 501

British Standard



Simplex | Duplex | Triplex

Detail



Type A

Tooth radius: r_3 = 51
Radius size: C = 5
Tooth width: B_1 = 29.4
Tooth width: b_1 = 28.8
Tooth width: B_2 = 87.4
Tooth width: B_3 = 146

No. teeth	Outside dia. de	Pitch dia. dp	Simplex			Duplex			Triplex		
			dm	D1*	A	dm	D1*	A	dm	D1*	A
8	153.2	132.69	82	25	80	82	30	120	82	30	180
9	169	148.54	88	25	80	88	30	120	88	30	180
10	185	164.44	104	25	80	104	30	120	104	30	180
11	200.8	180.34	120	30	80	120	30	120	120	30	180
12	216.8	196.29	133	30	80	133	30	120	133	30	180
13	232.8	212.29	145	30	80	145	30	120	145	30	180
14	248.8	228.29	160	30	80	160	30	120	160	30	180
15	264.8	244.30	160	30	80	160	30	120	160	30	180
16	280.9	260.40	160	30	90	160	30	120	160	30	180
17	296.9	276.40	170	30	90	180	30	120	180	30	180
18	313	292.55	170	30	90	180	30	120	180	30	180
19	329.1	308.66	170	30	90	200	30	120	200	30	180
20	345.2	324.71	180	30	90	200	30	120	200	30	180
21	361.3	340.82	180	30	90	200	30	120	200	40	180

No. teeth	Outside dia. de	Pitch dia. dp	Simplex			Duplex			Triplex		
			dm	D1*	A	dm	D1*	A	dm	D1*	A
22	377.5	356.98	180	30	90	200	30	120	200	40	180
23	393.6	373.08	180	30	90	200	30	120	200	40	180
24	409.7	389.18	180	30	90	200	30	120	200	40	180
25	425.8	405.33	180	30	90	200	30	120	200	40	180
26	441.9	421.44	180	30	90	200	30	120	200	40	180
27	458.1	437.59	180	30	90	200	30	120	200	40	180
28	474.2	453.69	180	30	90	200	30	120	200	40	180
29	490.4	469.90	180	30	90						
30	506.5	486.00	180	30	90	200	30	120	200	40	180
32	538.8	518.27	180	30	90						
35	589.5	566.72	180	30	90						
38	635.5	615.14	180	30	90						
40	670.3	647.49	180	30	90						

* Bore Ø H12 tolerance

All dimensions in mm. Intermediate sizes & special sprockets to drawing up to 1000mm diameter. Standard: to ISO/R 606

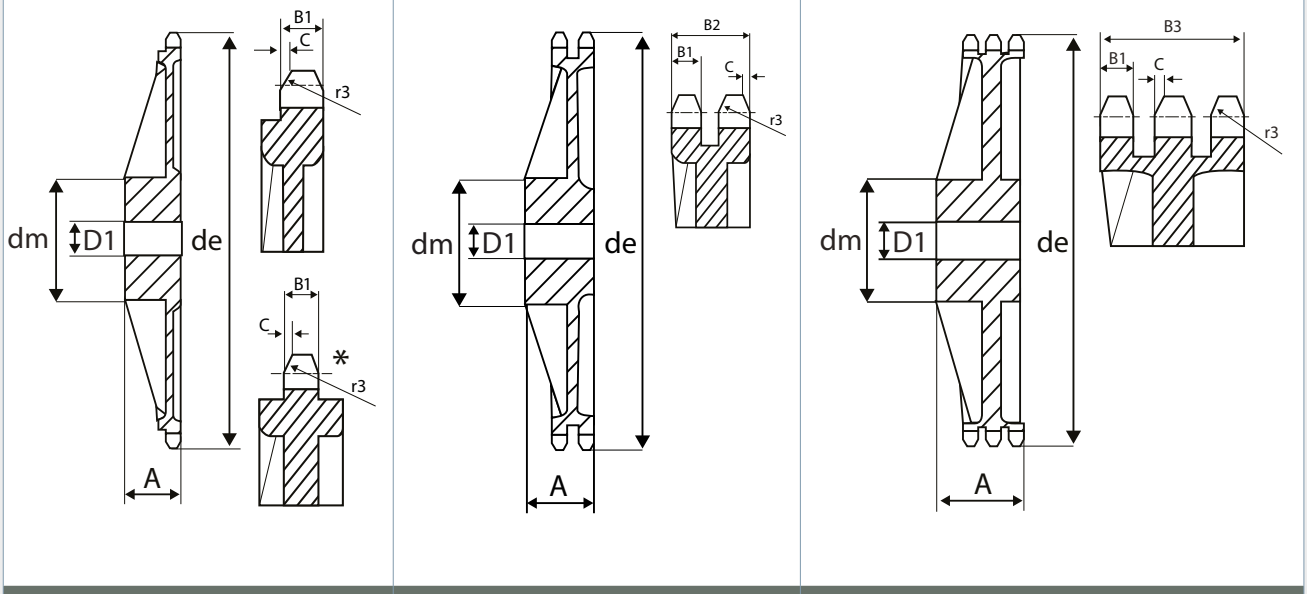
Available from stock

Special order - typically 7-10 days

BS (06B & 08B) Cast Iron Sprockets - to ISO/R 606

DRIVEFLEX

British Standard



Simplex | Duplex | Triplex

Cast Iron Sprockets (06B) 3/8" x 7/32" (British Standard) to ISO/R 606

No. teeth	de	dp	Simplex			Duplex			Triplex		
			dm	D1*	A	dm	D1*	A	dm	D1*	A
38	119.5	115.34	70	19	32	80	19	40	90	23	56
45	140.7	136.54	70	19	32	80	19	40	90	23	56
57	176.9	172.91	70	19	32	80	19	40	90	23	56
76	234.9	230.49	70	19	32	80	19	40	100	23	56
**95	292.5	288.08	80	19	40	90	19	45	100	23	56
**114	349.6	345.68	80	19	40	90	19	45	100	23	56
**150	459.2	454.82	90	23	45	100	23	50	125	23	60

** Simplex sprockets with rim reinforcement on both sides

Tooth radius: r_3 = 10
Radius size: C = 1.0
Tooth width: B_1 = 5.3
Tooth width: b_1 = 5.2
Tooth width: B_2 = 15.4
Tooth width: B_3 = 25.6

Cast Iron Sprockets (08B) 1/2" x 5/16" (British Standard) to ISO/R 606

No. teeth	de	dp	Simplex			Duplex			Triplex		
			dm	D1*	A	dm	D1*	A	dm	D1*	A
38	158.6	153.80	70	19	40	90	23	50	100	23	60
45	188.0	182.07	70	19	40	90	23	50	100	23	60
57	236.4	230.54	70	19	40	90	23	50	100	23	60
76	313.3	307.33	80	23	40	100	23	56	100	23	60
**95	390.1	384.11	80	23	45	100	23	56	120	23	67
**114	466.9	460.90	80	23	45	100	23	63	120	23	67

** Simplex sprockets with rim reinforcement on both sides

Tooth radius: r_3 = 13
Radius size: C = 1.3
Tooth width: B_1 = 7.2
Tooth width: b_1 = 7.0
Tooth width: B_2 = 21.0
Tooth width: B_3 = 34.9

* Bore Ø H12 tolerance
All dimensions in mm. Intermediate sizes & special sprockets to drawing up to 1000mm diameter.

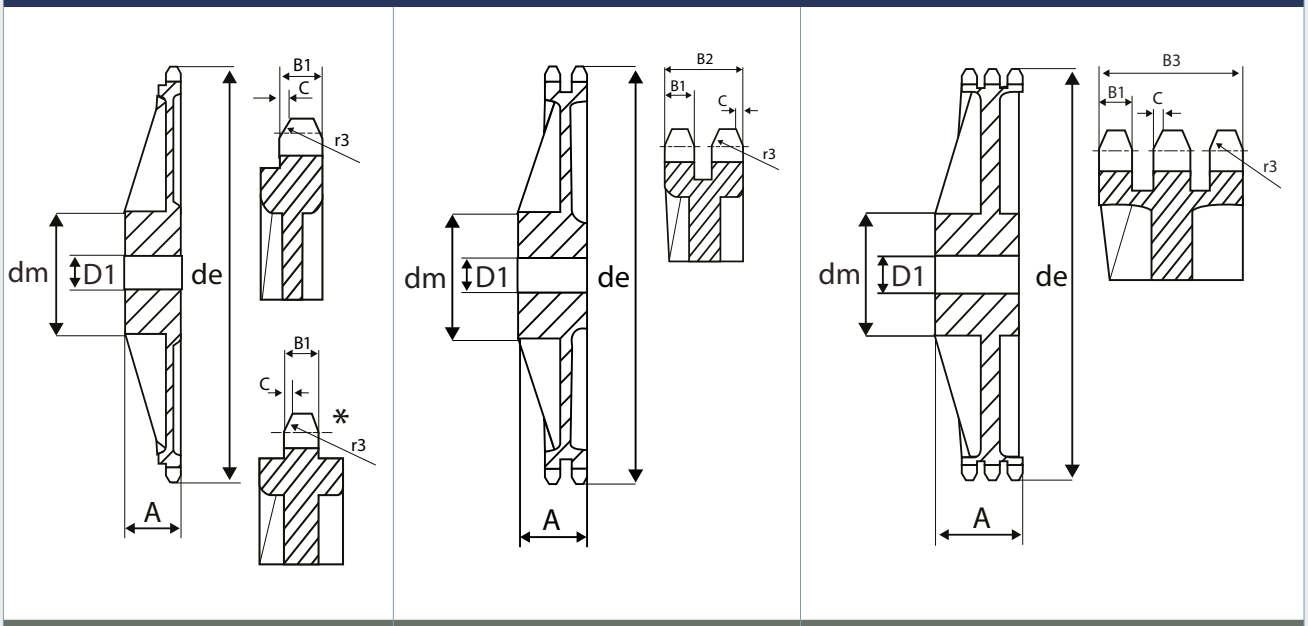
Available from stock
Special order - typically 7-10 days

BS (10B & 12B) Cast Iron Sprockets - to ISO/R 606

DRIVEFLEX



British Standard



Simplex | Duplex | Triplex

Cast Iron Sprockets (10B) 5/8" x 3/8" (British Standard) to ISO/R 606

No. teeth	de	dp	Simplex			Duplex			Triplex		
			dm	D1*	A	dm	D1*	A	dm	D1*	A
38	199.2	192.24	80	19	40	100	29	50	100	31	60
45	235.0	227.58	80	19	40	100	29	50	100	31	60
57	296.0	288.18	90	23	45	100	29	56	100	31	63
**76	392.1	384.16	90	23	50	100	29	63	110	34	67
**95	488.5	480.14	100	23	56	110	29	63	125	34	70
**114	584.1	576.13	100	23	56	125	29	70	125	34	80

** Simplex sprockets with rim reinforcement on both sides

Cast Iron Sprockets (12B) 3/4" x 7/16" (British Standard) to ISO/R 606

No. teeth	de	dp	Simplex			Duplex			Triplex		
			dm	D1*	A	dm	D1*	A	dm	D1*	A
38	239	230.69	100	23	56	110	29	63	140	30	70
45	282.5	273.10	100	23	56	110	29	63	140	30	70
57	355.4	345.81	100	29	56	120	29	63	140	39	70
76	469.9	460.99	100	29	56	135	29	63	160	39	75
**95	585.1	576.17	100	29	65	135	29	70	170	39	82
**114	700.6	691.36	100	29	65	135	29	70	170	49	82

** Simplex sprockets with rim reinforcement on both sides

Tooth radius: r_3 = 16
Radius size: C = 1.6
Tooth width: B_1 = 9.1
Tooth width: b_1 = 9.0
Tooth width: B_2 = 25.5
Tooth width: B_3 = 42.1

Tooth radius: r_3 = 19
Radius size: C = 2
Tooth width: B_1 = 11.1
Tooth width: b_1 = 10.8
Tooth width: B_2 = 30.3
Tooth width: B_3 = 49.8

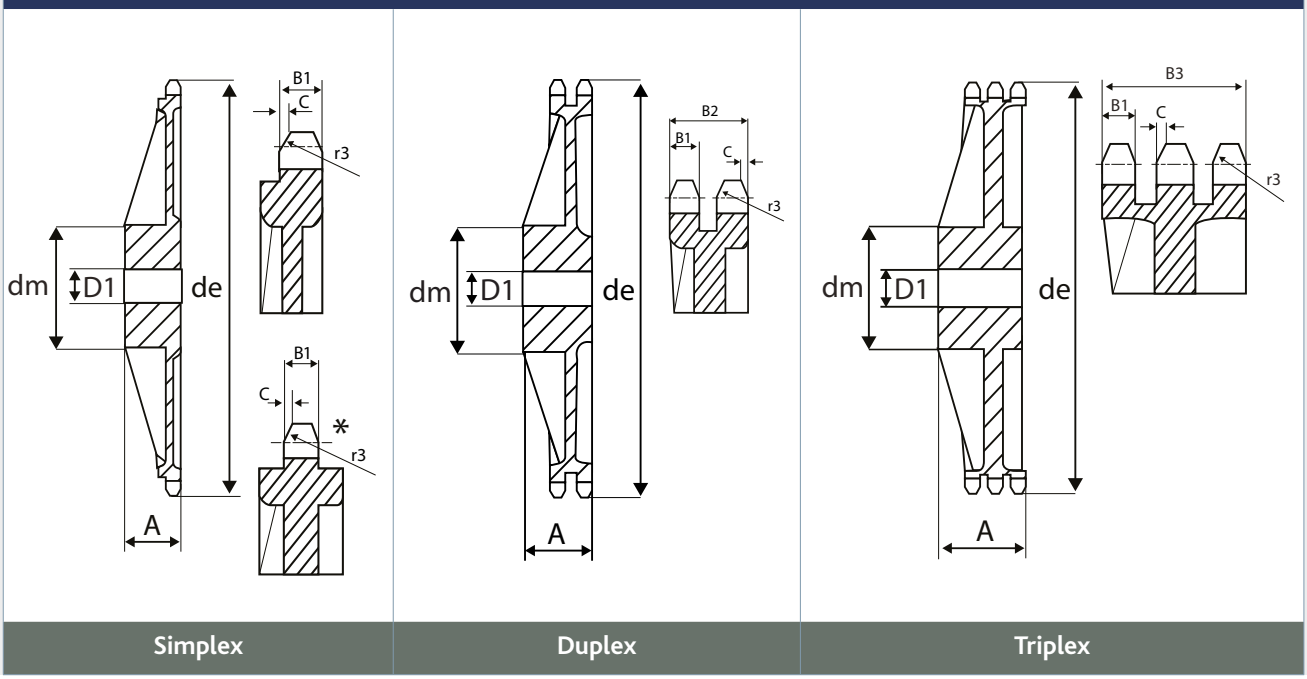
* Bore Ø H12 tolerance
All dimensions in mm. Intermediate sizes & special sprockets to drawing up to 1000mm diameter.

Available from stock
Special order - typically 7-10 days

BS (16B to 24B) Cast Iron Sprockets - to ISO/R 606

DRIVEFLEX

British Standard



Simplex | Duplex | Triplex

Cast Iron Sprockets (16B) 1" x 17.02mm (British Standard) to ISO/R 606

No. teeth	de	dp	Simplex			Duplex			Triplex		
			dm	D1*	A	dm	D1*	A	dm	D1*	A
30	254	243.00	110	29	65	125	39	75	145	39	90
38	320	307.59	110	29	65	140	39	75	160	44	100
45	377.1	364.12	125	29	70	150	39	75	160	44	100
57	474	461.07	125	34	70	170	39	90	165	44	100
76	627	614.65	140	34	80	175	39	95	200	44	110
95	781.1	768.22	140	39	80	175	44	95	200	49	110
**114	934.3	921.81	140	39	80	175	44	95	200	49	115

Tooth radius: r_3 = 26
Radius size: C = 2.5
Tooth width: B_1 = 16.2
Tooth width: b_1 = 15.8
Tooth width: B_2 = 47.7
Tooth width: B_3 = 79.6

Cast Iron Sprockets (24B) 1 1/2" x 1" (British Standard) to ISO/R 606

No. teeth	de	dp	Simplex			Duplex			Triplex		
			dm	D1*	A	dm	D1*	A	dm	D1*	A
30	379.5	364.50	130	39	85						
38	476.2	461.39	140	45	90	180	45	100	200	60	150
45	561.2	546.20	140	45	90						
57	706.5	691.63	160	45	100	200	55	110	200	70	150
76	936.9	921.98	170	45	100	220	55	120	250	70	150
95	1167.3	1152.33	200	50	125	220	55	140	270	50	200
114	1402.5	1382.7	220	70	112	298	60	180			

Tooth radius: r_3 = 38
Radius size: C = 4
Tooth width: B_1 = 24.1
Tooth width: b_1 = 23.6
Tooth width: B_2 = 72
Tooth width: B_3 = 120.3

Cast Iron Sprockets (20B) 1 1/4" x 3/4" (British Standard) to ISO/R 606

No. teeth	de	dp	Simplex			Duplex			Triplex		
			dm	D1*	A	dm	D1*	A	dm	D1*	A
30	318.9	303.75	115	34	70	130	39	80			
38	399.6	384.49	125	35	70	140	44	90	180	56	110
45	470.3	455.17	125	35	70	140	44	90			
57	591.5	576.36	135	40	80	160	50	100	180	60	125
76	783.5	768.32	140	40	90	180	50	100			

Tooth radius: r_3 = 32
Radius size: C = 3.5
Tooth width: B_1 = 18.5
Tooth width: b_1 = 18.2
Tooth width: B_2 = 54.6
Tooth width: B_3 = 91.0

** Simplex sprockets with rim reinforcement on both sides
* Bore Ø H12 tolerance

All dimensions in mm. Intermediate sizes & special sprockets to drawing up to 1000mm diameter.

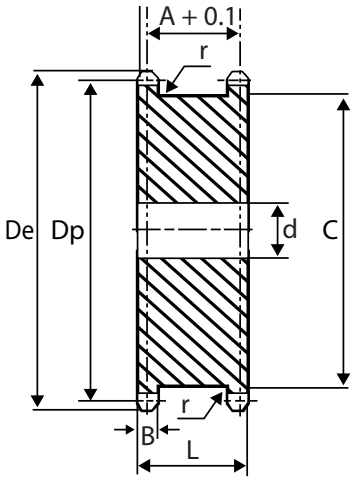
Available from stock
Special order - typically 7-10 days

British Standard Pilot Bore Double Simplex Sprockets

BS (06B to 16B) - Double Simplex Steel C45

DRIVEFLEX

British Standard



Double Simplex

These sprockets are designed for running two simplex chains – typically 1 sprocket driving two separate sprockets or roller to roller drives in conveyor systems.

All dimensions in mm. Intermediate sizes & special sprockets to drawing up to 1000mm diameter.

Available from stock

White is special order - typically 7-10 days



Type	No. teeth	Outside dia. de	Pitch dia. dp	d*	A	B h14	C max.	L	r
3/8" x 7/32" 06 B-1	13	43.45	39.80	10	20.3	5.3	28	25.5	0.4
	15	49.46	45.81	10	20.3	5.3	34	25.5	0.4
	17	55.49	51.84	12	20.3	5.3	40	25.5	0.4
	18	58.30	54.85	12	20.3	5.3	43	25.5	0.4
	19	61.52	57.87	12	20.3	5.3	46	25.5	0.4
	20	64.30	60.89	12	20.3	5.3	49	25.5	0.4
	21	67.56	63.91	15	20.3	5.3	52	25.5	0.4
	23	73.60	69.95	15	20.3	5.3	59	25.5	0.4
	25	79.65	76.00	15	20.3	5.3	65	25.5	0.4
1/2" x 5/16" 08 B-1	13	57.56	53.07	12	24.8	7.2	37	32	0.6
	15	65.57	61.08	12	24.8	7.2	45	32	0.6
	16	69.50	65.10	12	24.8	7.2	49	32	0.6
	17	73.61	69.12	12	24.8	7.2	53	32	0.6
	18	78.00	73.14	12	24.8	7.2	57	32	0.6
	19	81.65	77.16	12	24.8	7.2	62	32	0.6
	20	86.00	81.19	12	24.8	7.2	65	32	0.6
	21	89.70	85.21	15	24.8	7.2	70	32	0.6
	23	97.76	93.27	15	24.8	7.2	78	32	0.6
	25	105.82	101.33	15	24.8	7.2	86	32	0.6
5/8" x 3/8" 10 B-1	13	73.17	66.33	15	27.9	9.1	48	37	0.6
	15	83.19	76.35	15	27.9	9.1	58	37	0.6
	17	93.23	86.39	15	27.9	9.1	68	37	0.6
	18	98.30	91.42	15	27.9	9.1	72	37	0.6

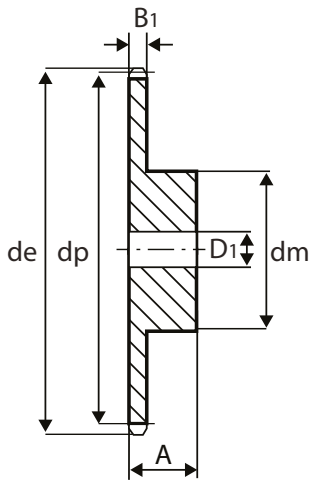
Type	No. teeth	Outside dia. de	Pitch dia. dp	d*	A	B h14	C max.	L	r
5/8" x 3/8" 10 B-1	19	103.29	96.45	15	27.9	9.1	79	37	0.6
	20	108.40	101.49	19	27.9	9.1	82	37	0.6
	21	113.35	106.51	19	27.9	9.1	89	37	0.6
	23	123.43	116.59	19	27.9	9.1	99	37	0.6
	25	133.50	126.66	19	27.9	9.1	109	37	0.6
3/4" x 7/16" 12 B-1	13	87.13	79.59	20	33.9	11.1	59	45	0.6
	15	99.16	91.63	20	33.9	11.1	71	45	0.6
	17	111.20	103.67	20	33.9	11.1	83	45	0.6
	18	118.00	109.71	20	33.9	11.1	88	45	0.6
	19	123.27	115.74	20	33.9	11.1	95	45	0.6
	20	129.70	121.78	20	33.9	11.1	101	45	0.6
	21	135.35	127.82	20	33.9	11.1	107	45	0.6
	23	147.43	139.90	20	33.9	11.1	119	45	0.6
	25	159.52	151.99	24	33.9	11.1	131	45	0.6
1" x 17,02 16 B-1	13	117.26	106.14	24	47.8	16.2	78	64	0.8
	15	133.29	122.17	24	47.8	16.2	95	64	0.8
	17	149.35	138.23	24	47.8	16.2	111	64	0.8
	18	157.00	146.28	24	47.8	16.2	119	64	0.8
	19	165.44	154.32	24	47.8	16.2	127	64	0.8
	20	173.00	162.38	24	47.8	16.2	135	64	0.8
	21	181.54	170.42	24	47.8	16.2	143	64	0.8
	23	197.66	186.54	24	47.8	16.2	160	64	0.8
	25	213.78	202.66	24	47.8	16.2	176	64	0.8

* Bore Ø H12 tolerance

304 L Sprockets BS (06B-1 to 16B-1) Stainless Steel AISI

DRIVEFLEX

British Standard



Simplex

This range of sprockets are manufactured from Stainess Steel type 304L for maximum corrosion resistance. They are suitable for corrosive environments, including high temperature and moist conditions found in many food process and packaging operations. These sprockets are suitable with either Stainless Steel or plated chains.

Chain Number	Tooth Width B1
06B-1	5.3
08B-1	7.2
10B-1	9.2
12B-1	11.2
16B-1	16.2

Pitch		No. teeth											
		12	13	15	16	17	18	19	20	21	23	25	30
3/8" x 7/32" (06B-1)	de	40	43	49.3	52.3	55.3	58.3	61.3	64.3	68	73.5	80	94.7
	dp	36.8	39.79	45.81	48.82	51.83	54.85	57.87	60.89	63.91	69.65	76	91.12
	dm	25	28	34	37	40	43	45	46	48	52	57	60
	D1*	8	10	10	10	10	10	10	10	12	12	12	12
	A	25	25	25	28	28	28	28	28	28	28	28	30
1/2" x 5/16" (08B-1)	de	53	57.9	65.9	69.9	74	78	82	86	90.01	98.01	106.2	126.3
	dp	49.07	53.06	61.09	65.1	69.11	73.14	77.16	81.19	85.22	93.27	101.33	121.5
	dm	33	37	45	50	52	56	60	64	68	70	70	80
	D1*	10	10	10	12	12	12	12	12	14	14	14	16
	A	28	28	28	28	28	28	28	28	28	28	28	30
5/8" x 3/8" (10B-1)	de	68	73	83	88	93	98.3	103.3	108.4	113.4	123.4	134	158.8
	dp	61.34	66.32	76.36	81.37	86.39	91.42	96.45	101.49	106.52	116.58	126.66	151.87
	dm	42	47	57	60	60	70	70	75	80	80	80	90
	D1*	12	12	12	12	12	12	14	14	16	16	16	20
	A	30	30	30	30	30	30	30	30	30	30	30	35
3/4" x 7/16" (12B-1)	de	81.5	87.5	99.8	105.5	111.5	118	124.2	129.7	136	149	160	190.5
	dp	73.6	79.59	91.63	97.65	103.67	109.71	115.75	121.78	127.82	139.9	152	182.25
	dm	52	58	70	75	80	80	80	80	90	90	90	95
	D1*	14	16	16	16	16	16	16	16	20	20	20	20
	A	35	35	35	35	35	35	35	35	40	40	40	40
1" x 17,02mm (16B-1)	de	109	117	133	141	149	157	165.2	163	181.2	197.5	213.5	254
	dp	98.14	106.12	122.17	130.2	138.22	146.28	154.33	162.38	170.43	186.53	202.66	243
	dm	69	78	92	100	100	100	100	100	110	110	110	120
	D1*	16	16	16	19	20	20	20	20	20	20	20	20
	A	40	40	40	45	45	45	45	45	50	50	50	50

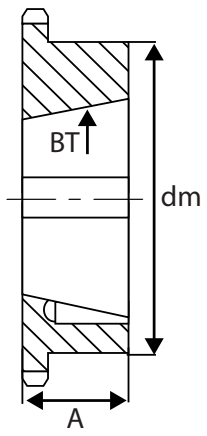
* Bore Ø H12 tolerance. All dimensions in mm. Intermediate sizes & special sprockets to drawing up to 1000mm diameter.

Available from stock ☐ Special order - typically 7-10 days

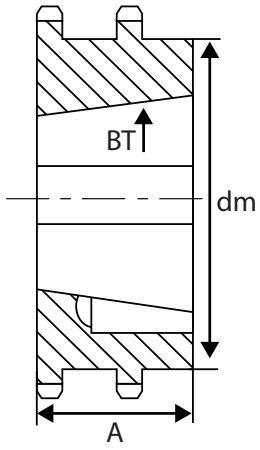
Taper Bore Sprockets BS (06B) 3/8" x 7/32" Steel C45 or Cast Iron G20

DRIVEFLEX

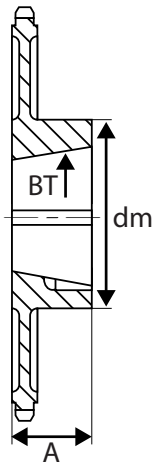
British Standard



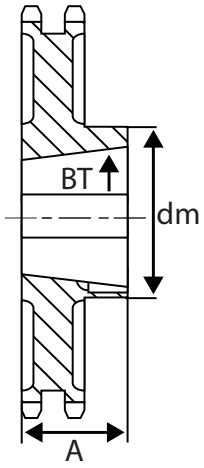
Type 1 Simplex



Type 2 Duplex



Type 6 Simplex



Type 7 Duplex

Simplex

Code	No. teeth	Bush type BT	Type	Hub dia. dm	Overall width A
031-17	17	1008	1	44.5	22
031-18	18	1008	1	43	22
031-19	19	1008	1	46	22
031-20	20	1008	1	46	22
031-21	21	1008	1	46	22
031-22	22	1108	1	50	22
031-23	23	1210	1	62	25
031-24	24	1210	1	62	25
031-25	25	1210	1	63	25
031-26	26	1210	1	60	25
031-27	27	1210	1	60	25
031-28	28	1210	1	60	25
031-30	30	1210	1	63	25
031-38	38	1210	1	73	25
031-45	45	1210	1	73	25
031-57	57	1210	1	83	25
031-57*	57	1210	6	83	25
031-76	76	1210	6	83	25
031-76*	76	1210	6	83	25
031-95*	95	1210	6	83	25
031-114*	114	1215	6	83	38

Duplex

Code	No. teeth	Bush type BT	Type	Hub dia. dm	Overall width A
032-17	17	1008	2	42.5	22
032-18	18	1008	2	43	22
032-19	19	1008	2	46	22
032-20	20	1008	2	48	22
032-21	21	1008	2	49	22
032-22	22	1108	2	52	22
032-23	23	1210	2	58	25
032-24	24	1210	2	61	25
032-25	25	1210	2	64	25
032-26	26	1210	2	65	25
032-27	27	1210	2	65	25
032-28	28	1210	2	65	25
032-30	30	1210	2	65	25
032-38	38	1610	2	76	25
032-45	45	1610	2	89	25
032-57	57	1610	7	89	25
032-57*	57	1610	7	89	25
032-76	76	1610	7	89	25
032-76*	76	1610	7	89	25
032-95*	95	1610	7	89	25
032-114*	114	1615	7	89	38

All dimensions in mm. Intermediate sizes & special sprockets to drawing up to 1000mm diameter. Standard : to ISO/R 606
For taperlock bushes to suit see p958

Available from stock ☐ Special order - typically 7-10 days * Material - Cast Iron.

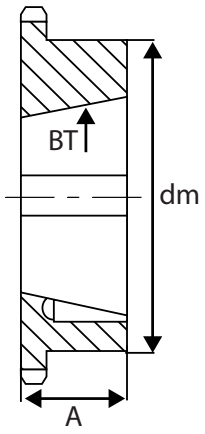
British Standard Taper Bore Sprockets

Taper Bore Sprockets BS (08B) 1/2" x 5/16" Steel C45 or Cast Iron G20

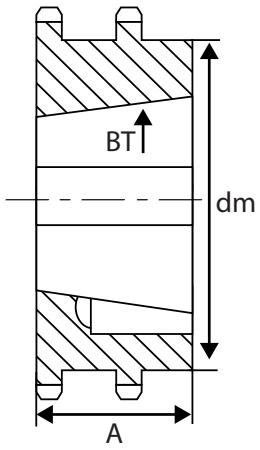
24 653 501 958

DRIVEFLEX

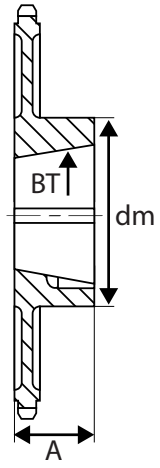
British Standard



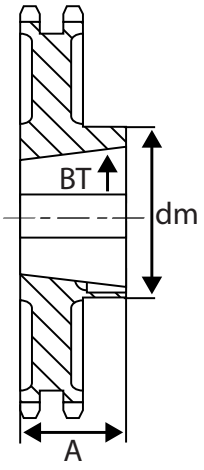
Type 1 Simplex



Type 2 Duplex



Type 6 Simplex



Type 7 Duplex

Simplex

Code	No. teeth	Bush type BT	Type	Hub dia. dm	Overall width A
041-15	15	1008	1	46	22
041-16	16	1108	1	50	22
041-17	17	1210	1	59.5	25
041-18	18	1210	1	60	25
041-19	19	1210	1	63	25
041-20	20	1610	1	71	25
041-21	21	1610	1	71	25
041-22	22	1610	1	70	25
041-23	23	1610	1	76	25
041-24	24	1610	1	70	25
041-25	25	1610	1	76	25
041-26	26	1610	1	70	25
041-27	27	1610	1	76	25
041-28	28	2012	1	90	32
041-30	30	2012	1	90	32
041-38	38	2012	1	102	32
041-45	45	2012	1	102	32
041-57	57	2012	1	111	32
041-57*	57	2012	6	111	32
041-76	76	2012	6	111	32
041-76*	76	2012	6	111	32
041-95*	95	2012	6	111	32
041-114*	114	2517	6	124	45

Duplex

Code	No. teeth	Bush type BT	Type	Hub dia. dm	Overall width A
042-15	15	1008	2	46	22
042-16	16	1108	2	50	22
042-17	17	1210	2	56	25
042-18	18	1210	2	58	25
042-19	19	1210	2	64	25
042-20	20	1610	2	66	25
042-21	21	1610	2	71	25
042-22	22	1610	2	76	25
042-23	23	1610	2	79	25
042-24	24	2012	2	84	32
042-25	25	2012	2	87	32
042-26	26	2012	2	85	32
042-27	27	2012	2	87	32
042-28	28	2012	2	87	32
042-30	30	2012	2	87	32
042-38	38	2012	2	102	32
042-45	45	2012	2	111	32
042-57	57	2012	7	111	32
042-57*	57	2012	7	111	32
042-76*	76	2012	7	111	32
042-76*	76	2012	7	111	32
042-95*	95	2012	7	111	32
042-114*	114	2517	7	124	45

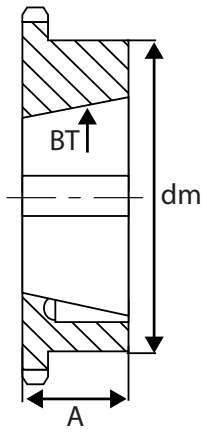
All dimensions in mm. Intermediate sizes & special sprockets to drawing up to 1000mm diameter. Standard: to ISO/R 606
For taperlock bushes to suit see p958

Available from stock ☐ Special order - typically 7-10 days * Material - Cast Iron.

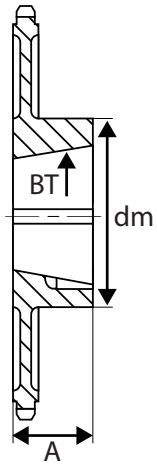
Taper Bore Sprockets BS (10B) 5/8" x 3/8" Steel C45 Cast Iron G20

DRIVEFLEX

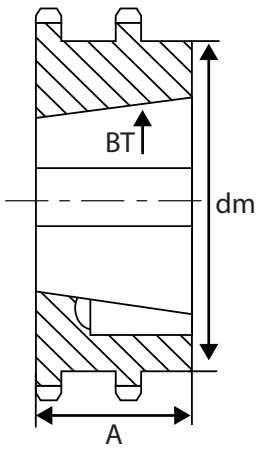
British Standard



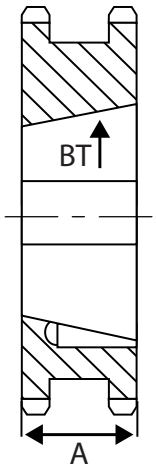
Type 1 Simplex



Type 6 Simplex



Type 2 Duplex



Type 3 Duplex

Simplex

Code	No. teeth	Bush type BT	Type	Hub dia. dm	Overall width A
051-13	13	1008	1	46	22
051-14	14	1108	1	52	22
051-15	15	1210	1	63	25
051-16	16	1610	1	70	25
051-17	17	1610	1	71	25
051-18	18	1610	1	75	25
051-19	19	1610	1	76	25
051-20	20	1610	1	75	25
051-21	21	1610	1	76	25
051-22	22	1610	1	76	25
051-23	23	1610	1	76	25
051-24	24	2012	1	90	32
051-25	25	2012	1	90	32
051-26	26	2012	1	85	32
051-27	27	2012	1	90	32
051-28	28	2012	1	90	32
051-30	30	2012	1	90	32
051-38	38	2012	1	102	32
051-38	38	2012	1	102	32
051-45	45	2012	1	111	32
051-57	57	2012	6	111	32
051-57*	57	2012	6	111	32
051-76	76	2012	6	111	32
051-76*	76	2012	6	111	32
051-95*	95	2517	6	124	45
051-114*	114	2517	6	124	45

Duplex

Code	No. teeth	Bush type BT	Type	Hub dia. dm	Overall width A
052-15	15	1210	3	-	25.5
052-16	16	1610	3	-	25.5
052-17	17	1610	3	-	25.5
052-18	18	1610	3	-	25.5
052-19	19	1610	3	-	25.5
052-20	20	1610	3	-	25.5
052-21	21	1610	3	-	25.5
052-22	22	1610	3	-	25.5
052-23	23	1610	3	-	25.5
052-24	24	2012	2	90	32
052-25	25	2012	2	90	32
052-26	26	2012	2	90	32
052-27	27	2012	2	90	32
052-28	28	2012	2	90	32
052-30	30	2012	2	90	32
052-38	38	2517	2	108	45

All dimensions in mm. Intermediate sizes & special sprockets to drawing up to 1000mm diameter.
Standard: to ISO/R 606
For taperlock bushes to suit see p958

Available from stock

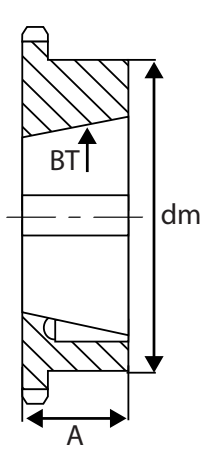
Special order - typically 7-10 days

* Material - Cast Iron.

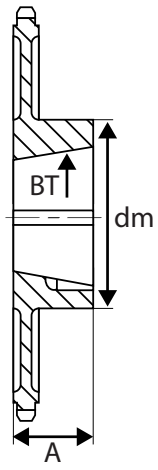
Taper Bore Sprockets BS (12B) 3/4" x 7/16" Steel C45 Cast Iron G20

DRIVEFLEX

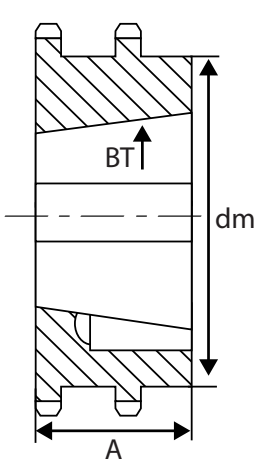
British Standard



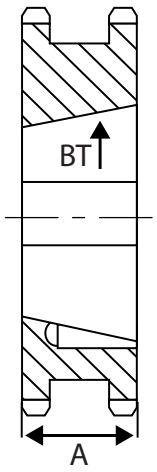
Type 1 Simplex



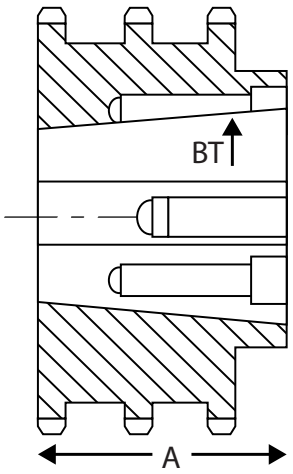
Type 6 Simplex



Type 2 Duplex



Type 3 Duplex



Type 4 Triplex

Simplex

Code	No. teeth	Bush type BT	Type	Hub dia. dm	Overall width A
061-13	13	1210	1	63	25
061-14	14	1610	1	71	25
061-15	15	1610	1	71	25
061-16	16	1610	1	75	25
061-17	17	1610	1	76	25
061-18	18	2012	1	90	32
061-19	19	2012	1	90	32
061-20	20	2012	1	90	32
061-21	21	2517	1	102	45
061-22	22	2517	1	102	45
061-23	23	2517	1	108	45
061-24	24	2517	1	108	45
061-25	25	2517	1	108	45
061-26	26	2517	1	108	45
061-27	27	2517	1	108	45
061-28	28	2517	1	108	45
061-30	30	2517	1	108	45
061-38	38	2517	1	124	45
061-45	45	2517	1	124	45
061-57	57	2517	6	124	45
061-57	57	2517	6	124	45
061-57*	57	2517	6	124	45
061-76*	76	2517	6	124	45
061-95*	95	2517	6	124	45
061-114*	114	2525	6	124	63

Duplex

Code	No. teeth	Bush type BT	Type	Hub dia. dm	Overall width A
062-15	15	1610	3	-	30.3
062-16	16	1610	3	-	30.3
062-17	17	1610	3	-	30.3
062-18	18	2012	2	89	32
062-19	19	2012	2	95	32
062-20	20	2517	2	108	45
062-21	21	2517	2	108	45
062-22	22	2517	2	108	45
062-23	23	2517	2	108	45
062-24	24	2517	2	108	45
062-25	25	2517	2	108	45
062-26	26	2517	2	108	45
062-27	27	2517	2	108	45
062-28	28	2517	2	108	45
062-30	30	2517	2	108	45
062-38	38	3020	2	152	51
062-45	45	3020	7	154	51
062-45*	45	3020	7	154	51
062-57	57	3020	7	160	51
062-57*	57	3020	7	160	51
062-76	76	3020	7	160	51
062-76*	76	3020	7	160	51
062-95*	95	3020	7	160	51
062-114*	114	3030	7	160	76

Triplex

Code	No. teeth	Bush type BT	Type	Hub dia. dm	Overall width A
063-15	15	1615	5	-	49.8
063-17	17	2012	5	-	49.8
063-19	19	2012	5	-	49.8
063-21	21	2517	5	-	49.8
063-23	23	2517	5	-	49.8
063-25	25	2517	5	-	49.8
063-27	27	3020	4	140	51
063-30	30	3020	4	140	51
063-38	38	3020	4	140	51
063-45	45	3020	4	140	51
063-57*	57	3020	8	160	51
063-76*	76	3020	8	160	51
063-95*	95	3030	8	165	76
063-114*	114	3030	8	165	76

All dimensions in mm. Intermediate sizes & special sprockets to drawing up to 1000mm diameter.
Standard: to ISO/R 606
For taperlock bushes to suit see p958

Available from stock

☐ Special order - typically 7-10 days

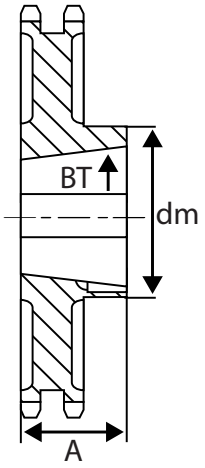
* Material - Cast Iron.

Taper Bore Sprockets BS (16B) 1" x 17.02mm Steel C45 Cast Iron G20

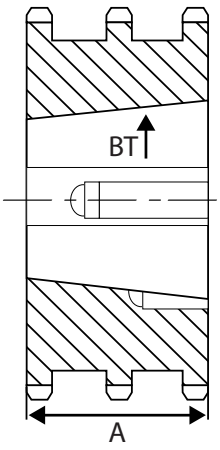
DRIVEFLEX



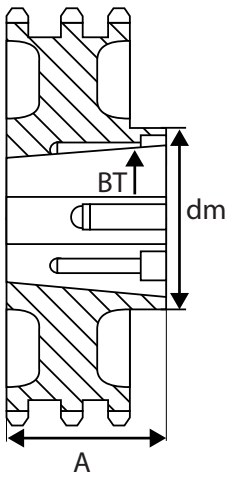
British Standard



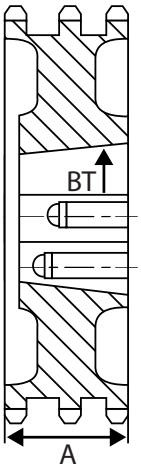
Type 7 Duplex



Type 5 Triplex



Type 8 Triplex



Type 9 Triplex

Simplex

Code	No. teeth	Bush type BT	Type	Hub dia. dm	Overall width A
081-13	13	1610	1	78	25
081-14	14	1610	1	78	25
081-15	15	1610	1	78	25
081-16	16	2012	1	90	32
081-17	17	2012	1	90	32
081-18	18	2517	1	108	45
081-19	19	2517	1	108	45
081-20	20	2517	1	108	45
081-21	21	2517	1	108	45
081-22	22	2517	1	108	45
081-23	23	2517	1	108	45
081-24	24	2517	1	108	45
081-25	25	2517	1	108	45
081-26	26	2517	1	108	45
081-27	27	2517	1	108	45
081-28	28	2517	1	108	45
081-30	30	3020	1	160	51
081-38	38	3020	1	160	51
081-45	45	3020	1	160	51
081-45*	45	3020	1	160	51
081-57	57	3020	6	160	51
081-57*	57	3020	6	160	51
081-76	76	3020	6	160	51
081-76*	76	3020	6	160	51
081-95*	95	3020	6	160	51
081-114*	114	3030	6	150	76

Duplex

Code	No. teeth	Bush type BT	Type	Hub dia. dm	Overall width A
082-15	15	2012	3	-	47.7
082-16	16	2517	3	-	47.7
082-17	17	2517	3	-	47.7
082-18	18	2517	3	-	47.7
082-19	19	2517	3	-	47.7
082-20	20	2517	3	-	47.7
082-21	21	3020	2	143	51
082-22	22	3020	2	150	51
082-23	23	3020	2	160	51
082-24	24	3020	2	166	51
082-25	25	3020	2	175	51
082-26	26	3020	2	175	51
082-27	27	3020	2	175	51
082-28	28	3020	2	175	51
082-30	30	3020	2	175	51
082-38	38	3030	7	160	76
082-38*	38	3030	7	160	76
082-45*	45	3535	7	160	76
082-57*	57	3535	7	175	89
082-76	76	3525	7	175	89
082-76*	76	3525	7	175	89
082-95*	95	4040	7	216	102
082-114*	114	4040	7	216	102

Triplex

Code	No. teeth	Bush type BT	Type	Hub dia. dm	Overall width A
083-17	17	2517	5	-	79.6
083-19	19	3020	5	-	79.6
083-21	21	3020	5	-	79.6
083-23	23	3525	5	-	79.6
083-25	25	3525	5	-	79.6
083-27	27	3525	5	-	79.6
083-30	30	3525	5	-	79.6
083-38	38	3525	8	178	89
083-38*	38	3535	8	178	89
083-45*	45	4040	8	216	102
083-57	57	4040	8	216	102
083-57*	57	4040	8	216	102
083-76*	76	4545	8	216	102

All dimensions in mm. Intermediate sizes & special sprockets to drawing up to 1000mm diameter.
Standard: to ISO/R 606
For taperlock bushes to suit see p958

Available from stock

Special order - typically 7-10 days

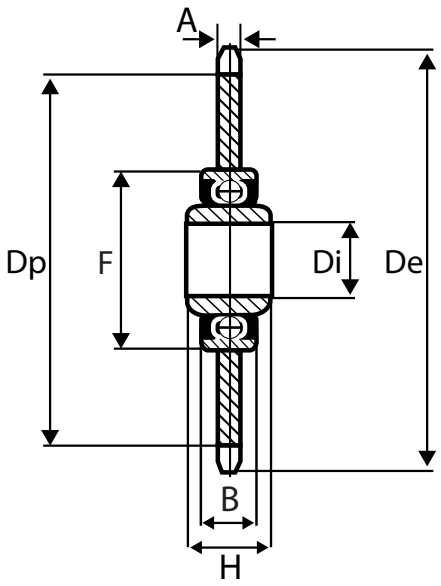
* Material - Cast Iron.

British Standard Idler Sprockets

Idler Sprockets with economy and INA bearings Steel C45

DRIVEFLEX

British Standard



Idler Sprocket

Perfect for chain drives which require a tensioning sprocket, and where fixed idlers are preferred. These Idler Sprockets are supplied complete with built-in fully shielded and greased for life ball bearings. These provide lifetime maintenance-free operation and are are offered in two standards; an economy bearing for light duty applications, and a European bearing for higher loads and speeds.

Manufactured from medium carbon steel and secured to the outer race of the bearing by press fit, the extended width inner race also enables correct mounting on the shaft without the need for spacers.

Idler Sprockets can also be manufactured to order to suit other sizes of BS Chains and ANSI Series, in both Simplex and Multistrand construction, and with alternate numbers of teeth.

For specials please ask for a quote;
STK = Stock sizes
SD = Available on short delivery

No. teeth	Pitch	de	dp	A	Di	F	B	H	Economy bearing	INA bearing
23*	8mm x 3mm	62.15	58.75	2.8	16	40	12	18.3	SD	SD
21*	3/8" x 7/32"	68.00	63.90	5.3	16	40	12	18.3	STK	STK
22*	3/8" x 7/32"	71.00	66.93	5.3	16	40	12	18.3	STK	STK
18*	1/2" x 1/8"	78.90	73.14	3.0	16	40	12	18.3	STK	STK
16*	1/2" x 3/16"	70.90	65.10	4.5	16	40	12	18.3	STK	SD
18*	1/2" x 3/16"	78.90	73.13	4.5	16	40	12	18.3	STK	STK
16*	1/2" x 5/16"	69.50	65.10	7.2	16	40	12	18.3	STK	STK
18*	1/2" x 5/16"	77.80	73.14	7.2	16	40	12	18.3	STK	STK
14*	5/8" x 3/8"	78.00	71.34	9.1	16	40	12	18.3	STK	STK
15*	5/8" x 3/8"	83.00	76.36	9.1	16	40	12	18.3	STK	STK
17*	5/8" x 3/8"	93.00	86.39	9.1	16	40	12	18.3	STK	STK
13*	3/4" x 7/16"	87.50	79.59	11.1	16	40	12	18.3	STK	STK
15*	3/4" x 7/16"	99.80	91.63	11.1	16	40	12	18.3	STK	STK
12**	1" x 17.02	109.00	98.14	16.2	20	47	14	17.7	STK	STK
13**	1 1/4" x 3/4"	147.80	132.65	18.5	25	52	15	21.0	STK	STK

Bore tolerance: *+0.26/+0.13 **+0/+0.1

All dimensions in mm. Intermediate sizes & special sprockets to drawing up to 1000mm diameter.
Standard: to ISO/R 606 - ANSI B29.1

Available from stock ☐ Special order typically 7-10 days

A CHAIN DIVISION WITH ALL THE RIGHT CONNECTIONS

TransDev Chain Division supplies everything, from premium and budget chain to British and American standards.

- Roller chain
- Simplex, duplex and triplex
- Attachment Chain
- Accumulator Chain
- Agricultural Chain
- Extended Pitch Chain
- Heavy Duty Chain
- Leaf Chain
- Self-Lube Chain
- Low Maintenance Chain
- Maintenance-free Chain
- Hollow Pin Chain
- Straight Side Chain
- Sidebow Chain
- Snap-on Chain
- Easy break Chain
- Bicycle & Motorbike Chain
- Environment Resistant Chains
- O Ring Chain



Image courtesy of Wippermann Jr. GmbH

See page 501

DRIVEFLEX RESATEC TRANSPLAS

See page 651



Sprockets

See page 1031



Chain tensioners and sprocket sets

See page 1067



Chain guides

BELTS PULLEYS CHAIN SPROCKETS GEARS BEARINGS LINEAR HARDWARE PLASTICS

TransDev® THE POWER IN MOTION

TransDev MANUFACTURING

DRIVEFLEX

American Standard Sprockets



PILOT BORE

STEEL

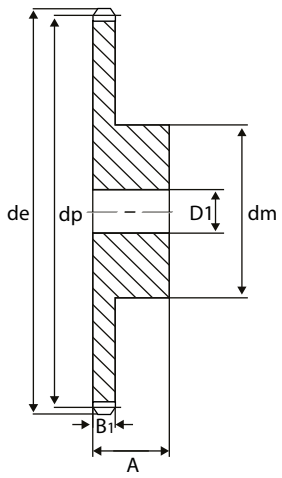
TO DIN 8188 ISO/R 606 - ANSI B29.1

EXTENSIVE RANGE

Sprockets ASA 25 1/4" x 1/8" Steel C45

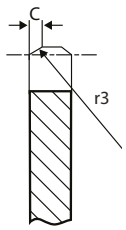
DRIVEFLEX

American Standard



Simplex

Detail



Type A

Tooth radius r_3 = 6.4
Radius size C = 0.7
Tooth width B_1 = 2.9



No. teeth	de	dp	Simplex		
			Dm	D1*	A
8	19.4	16.58	10	6	12
9	21.4	18.56	11.5	6	12
10	23.3	20.55	13	6	12
11	25.3	22.54	15	8	13
12	27.3	24.53	17	8	13
13	29.3	26.53	17	8	13
14	31.3	28.53	17	8	13
15	33.3	30.55	20	8	13
16	35.3	32.55	22	8	14
17	37.3	34.55	22	8	14
18	39.4	36.56	25	8	14
19	41.4	38.58	25	8	14
20	43.4	40.58	25	8	14
21	45.4	42.60	30	8	14
22	47.4	44.62	30	8	14
23	49.4	46.63	30	8	14
24	51.4	48.64	30	8	14

No. teeth	de	dp	Simplex		
			Dm	D1*	A
25	53.3	50.66	30	8	14
26	55.5	52.67	30	8	16
27	57.5	54.69	30	8	16
28	59.5	56.71	30	8	16
29	61.5	58.73	30	8	16
30	63.6	60.75	30	8	16
31	65.6	62.76	30	8	16
32	67.6	64.78	30	8	16
33	69.6	66.80	30	8	16
34	71.6	68.82	30	8	16
35	73.6	70.84	30	8	16
36	75.6	72.85	30	8	16
37	77.7	74.87	30	8	16
38	79.7	76.89	30	8	16
39	81.7	78.91	30	8	16
40	83.7	80.93	30	8	16

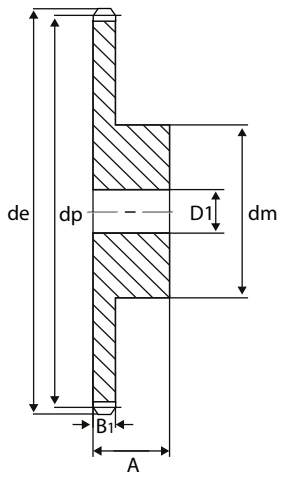
* Bore Ø H12 tolerance
All dimensions in mm. Intermediate sizes & special sprockets to drawing up to 1000mm diameter.
Standard: to DIN 8188 ISO/R 606 - ANSI B29.1

Available from stock Special order - typically 7-10 days

Sprockets ASA 35 3/8" X 3/16" Steel C45

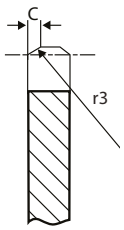
DRIVEFLEX

American Standard



Simplex

Detail



Type A

Tooth radius $r_3 = 10$
Radius size $C = 1.2$
Tooth width $B_1 = 4.4$
Tooth width $b_1 = 4.3$



No. teeth	Outside dia. de	Pitch dia. dp	Simplex		
			Dm	D1*	A
9	32.70	27.84	18	8	22
10	35.70	30.82	20	8	22
11	38.69	33.80	22	8	25
12	41.68	36.80	25	8	25
13	44.68	39.80	28	10	25
14	47.68	42.80	31	10	25
15	50.69	45.81	34	10	25
16	53.70	48.82	37	10	28
17	56.72	51.83	38	10	28
18	59.73	54.85	38	10	28
19	62.75	57.87	46	10	28
20	65.77	60.89	46	10	28
21	68.79	63.91	46	10	28

No. teeth	Outside dia. de	Pitch dia. dp	Simplex		
			Dm	D1*	A
22	71.81	66.93	52	12	28
23	74.83	69.95	52	12	28
24	77.85	72.97	52	12	28
25	80.88	76.00	58	12	28
26	83.90	79.02	58	12	28
27	86.93	82.04	58	12	28
28	89.95	85.07	60	12	28
29	93.00	88.10	60	12	28
30	96.00	91.12	60	12	28
36	114.17	109.24	70	12	30
38	120.22	115.34	70	12	30
40	126.28	121.40	70	12	30

* Bore Ø H12 tolerance
All dimensions in mm. Intermediate sizes & special sprockets to drawing up to 1000mm diameter.
Standard : to ISO/R 606 - ANSI B29.1

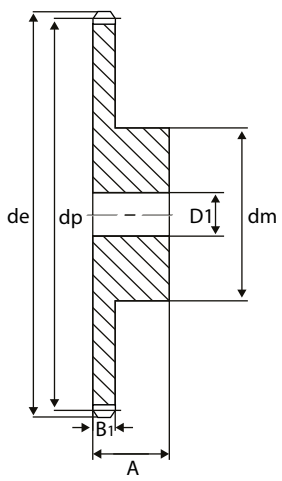
Available from stock ☐ Special order - typically 7-10 days

Sprockets ASA 40 1/2" x 5/16" Steel C45

DRIVEFLEX

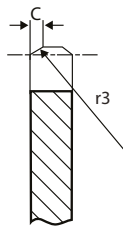
24 653 501

American Standard



Simplex

Detail



Type A

Tooth radius r_3 = 13.5
Radius size C = 1.6
Tooth width B_1 = 7.4



No. teeth	Outside dia. de	Pitch dia. dp	Simplex		
			Dm	D1*	A
10	47.66	41.10	26	10	25
11	51.64	45.08	29	10	25
12	55.63	49.07	35	10	28
13	59.63	53.07	35	10	28
14	63.63	57.07	35	10	28
15	67.64	61.08	46	10	28
16	71.66	65.10	48	10	28
17	75.68	69.12	48	10	28
18	79.7	73.14	58	12	28
19	83.72	77.16	60	12	28
20	87.74	81.18	60	12	28
21	91.77	85.21	65	12	28
22	95.8	89.24	65	12	28
23	99.83	93.27	65	12	28

No. teeth	Outside dia. de	Pitch dia. dp	Simplex		
			Dm	D1*	A
24	103.86	97.30	70	14	28
25	107.89	101.33	70	14	28
26	111.92	105.36	70	14	28
27	115.96	109.40	70	16	30
28	119.99	113.43	70	16	30
29	124.46	117.46	80	16	30
30	128.06	121.50	80	16	30
32	136.13	129.57	80	16	30
35	148.24	141.68	90	16	30
36	152.28	145.72	90	16	30
38	160.35	153.79	90	16	35
40	168.43	161.87	90	16	35

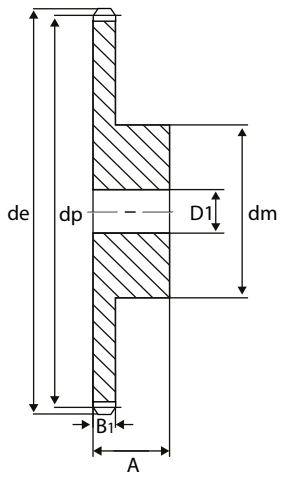
* Bore Ø H12 tolerance
All dimensions in mm. Intermediate sizes & special sprockets to drawing up to 1000mm diameter.
Standard: to ISO/R 606 - ANSI B29.1

Available from stock ☐ Special order - typically 7-10 days

Sprockets ASA 50 5/8" x 3/8" Steel C45

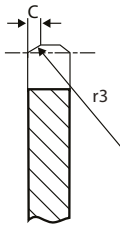
DRIVEFLEX

American Standard



Simplex

Detail



Type A

Tooth radius $r_3 = 17$
Radius size $C = 2$
Tooth width $B_1 = 9$



No. teeth	Outside dia. de	Pitch dia. dp	Simplex		
			Dm	D1*	A
8	47	41.48	25	10	25
9	52.6	46.42	30	10	25
10	57.5	51.37	35	10	25
11	63	56.34	37	12	30
12	68	61.34	42	12	30
13	73	66.32	47	12	30
14	78	71.34	52	12	30
15	83	76.36	57	12	30
16	88	81.37	60	12	30
17	93	86.39	60	12	30
18	98.3	91.42	70	14	30
19	103.3	96.45	70	14	30
20	108.4	101.49	75	14	30
21	113.4	106.52	75	16	30
22	118	111.55	80	16	30
23	123.4	116.58	80	16	30
24	128.3	121.62	80	16	30

No. teeth	Outside dia. de	Pitch dia. dp	Simplex		
			Dm	D1*	A
25	134	126.66	80	16	30
26	139	131.70	85	20	35
27	144	136.75	85	20	35
28	148.7	141.78	90	20	35
29	153.8	146.83	90	20	35
30	158.8	151.87	90	20	35
31	163.9	156.92	95	20	35
32	168.9	161.95	95	20	35
33	174.5	167.00	95	20	35
34	179	172.05	95	20	35
35	184.1	177.10	95	20	35
36	189.1	182.15	100	20	35
37	194.2	187.20	100	20	35
38	199.2	192.24	100	20	35
39	204.2	197.29	100	20	35
40	209.3	202.34	100	20	35

* Bore Ø H12 tolerance. All dimensions in mm. Intermediate sizes & special sprockets to drawing up to 1000mm diameter.
Standard: to ISO/R 606 - ANSI B29.1

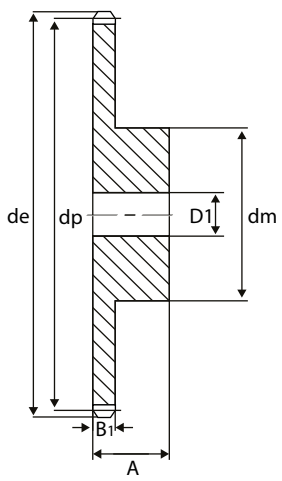
Available from stock ☐ Special order - typically 7-10 days

Sprockets ASA 60 3/4" x 1/2" Steel C45

DRIVEFLEX

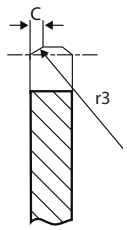
24 653 501

American Standard



Simplex

Detail



Type A

Tooth radius r_3 = 20
Radius size C = 2.4
Tooth width B_1 = 12



No. teeth	Outside dia. de	Pitch dia. dp	Simplex		
			Dm	D1*	A
8	57.04	46.14	31	12	30
9	63.75	53.85	37	12	30
10	71.54	61.64	42	12	30
11	77.51	67.61	45	12	30
12	83.49	73.61	45	12	30
13	89.49	79.59	60	14	35
14	95.5	85.61	60	14	35
15	101.52	91.63	60	14	35
16	107.54	97.65	75	16	35
17	113.56	103.67	75	16	35
18	119.59	109.71	75	16	35
19	125.63	115.75	80	16	35

No. teeth	Outside dia. de	Pitch dia. dp	Simplex		
			Dm	D1*	A
20	131.67	121.78	80	16	35
21	137.71	127.82	80	16	35
22	143.75	133.86	90	20	40
23	149.79	139.90	90	20	40
24	155.84	145.94	90	20	40
25	161.88	152.00	90	20	40
26	167.93	158.04	90	20	40
27	173.98	164.09	90	20	40
28	180.03	170.13	95	20	40
29	186.9	176.19	95	20	40
30	192.14	182.25	95	20	40

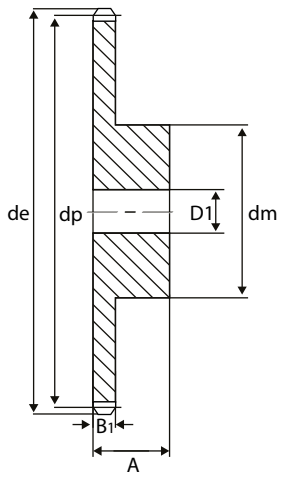
* Bore Ø H12 tolerance
All dimensions in mm. Intermediate sizes & special sprockets to drawing up to 1000mm diameter.
Standard: to ISO/R 606 - ANSI B29.1

Available from stock ☐ Special order - typically 7-10 days

Sprockets ASA 80 1" x 5/8" Steel C45

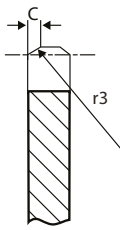
DRIVEFLEX

American Standard



Simplex

Detail



Type A

Tooth radius $r_3 = 27$
Radius size $C = 3.2$
Tooth width $B_1 = 15$



No. teeth	Outside dia. de	Pitch dia. dp	Simplex		
			Dm	D1*	A
8	79.49	66.37	42	16	35
9	87.38	74.27	50	16	35
10	95.32	82.19	55	16	35
11	103.28	90.14	61	16	40
12	111.26	98.14	69	16	40
13	119.26	106.12	78	16	40
14	127.27	114.15	84	16	40
15	135.29	122.17	92	16	40
16	143.32	130.20	100	20	45
17	151.35	138.22	100	20	45
18	159.39	146.28	100	20	45
19	167.44	154.33	100	20	45

No. teeth	Outside dia. de	Pitch dia. dp	Simplex		
			Dm	D1*	A
20	175.49	162.38	100	20	45
21	183.54	170.43	110	20	50
22	191.6	178.48	110	20	50
23	199.66	186.53	110	20	50
24	207.72	194.59	110	20	50
25	215.78	202.66	110	20	50
26	223.84	210.72	120	20	50
27	231.91	218.79	120	20	50
28	239.98	226.85	120	20	50
29	248.05	234.92	120	20	50
30	256.12	243.00	120	20	50
40	338.07	323.75	120	25	50

* Bore Ø H12 tolerance
All dimensions in mm. Intermediate sizes & special sprockets to drawing up to 1000mm diameter.
Standard: to ISO/R 606 - ANSI B29.1

Available from stock ☐ Special order - typically 7-10 days

TransDev MANUFACTURING

DRIVEFLEX

Platewheels

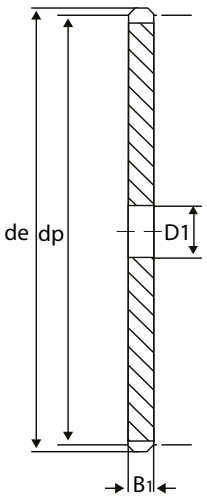


- PILOT BORE
- STEEL
- BRITISH STANDARD
- TO ISO/R 606
- EXTENSIVE RANGE

6mm BS (4-1) Platewheels 6 x 2.8mm Steel C45

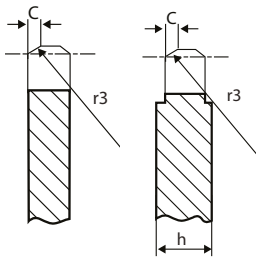
DRIVEFLEX

British Standard



Simplex

Detail



Type A Type B

All dimensions in mm. Intermediate sizes & special sprockets to drawing up to 1000mm diameter.
Standard: to ISO/R 606

Available from stock

Special order - typically 7-10 days

Tooth radius $r_3 = 6$
Radius size $C = 0.7$
Tooth width $B_1 = 2.6$
Type B from 51 teeth, dimension h = 4mm

No. teeth	Outside dia. de	Pitch dia. dp	Bore D1*
8	18	15.67	5
9	19.9	17.54	5
10	21.7	19.42	6
11	23.6	21.30	6
12	25.4	23.18	6
13	27.3	25.05	8
14	29.2	26.96	8
15	31	28.86	8
16	33	30.76	8
17	35	32.65	8
18	36.9	34.55	8
19	38.8	36.44	8
20	40.7	38.34	8
21	42.6	40.25	8
22	44.5	42.16	8
23	46.4	44.06	8
24	48.3	45.96	8
25	50.2	47.87	8
26	52.1	49.76	8
27	54	51.67	8
28	55.9	53.58	8
29	57.8	55.50	8
30	59.8	57.42	8
31	61.7	59.31	8
32	63.6	61.21	8
33	65.5	63.11	8
34	67.4	65.02	8
35	69.3	66.93	8
36	71.2	68.84	8
37	73.1	70.75	8
38	75	72.66	8
39	76.9	74.57	8
40	78.9	76.47	8
41	80.8	78.38	10
42	82.7	80.28	10
43	84.7	82.19	10
44	86.6	84.10	10
45	88.5	86.01	10
46	90.4	87.92	10
47	92.3	89.93	10
48	94.2	91.74	10
49	96.1	93.64	10
50	98	95.55	10
51	99.9	97.46	12
52	101.8	99.37	12
53	103.7	101.27	12
54	105.6	103.17	12
55	107.6	105.08	12
56	109.5	107.00	12
57	111.4	108.93	12
58	113.3	110.82	12
59	115.2	112.71	12
60	117.1	114.62	12
62	120.9	118.45	14
64	124.7	122.27	14
65	126.6	124.18	14
66	128.5	126.09	14
68	132.4	129.91	14
70	136.2	133.73	14
72	140	137.55	16
75	145.7	143.28	16
76	147.6	145.19	16
78	151.5	149.01	16
80	155.3	152.82	16
85	164.8	162.37	16
90	174.4	171.92	16
95	183.9	181.47	16
100	193.5	191.01	16
110	212.6	210.11	16
114	220.2	217.75	16
120	231.7	229.20	16
125	241.2	238.75	16

* Bore Ø H12 tolerance

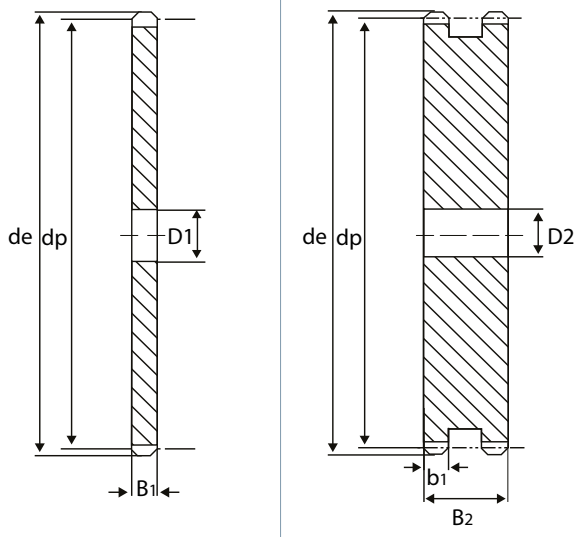
24hr Breakdown available
Customisable product
Product code builder
Compatible product

8mm BS (05B) Platewheels 8 x 3mm Steel C45

DRIVEFLEX

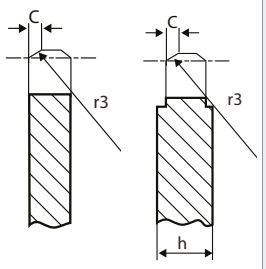


British Standard



Simplex | Duplex

Detail



Type A | Type B

All dimensions in mm. Intermediate sizes & special sprockets to drawing up to 1000mm diameter. Standard: to ISO/R 606

Available from stock

Special order - typically 7-10 days

Tooth radius $r_3 = 8$
Radius size $C = 1.0$
Tooth width $B_1 = 2.8$
Tooth width $b_1 = 2.7$
Tooth width $B_2 = 8.3$
Type B from 46 teeth, dimension h = 4mm

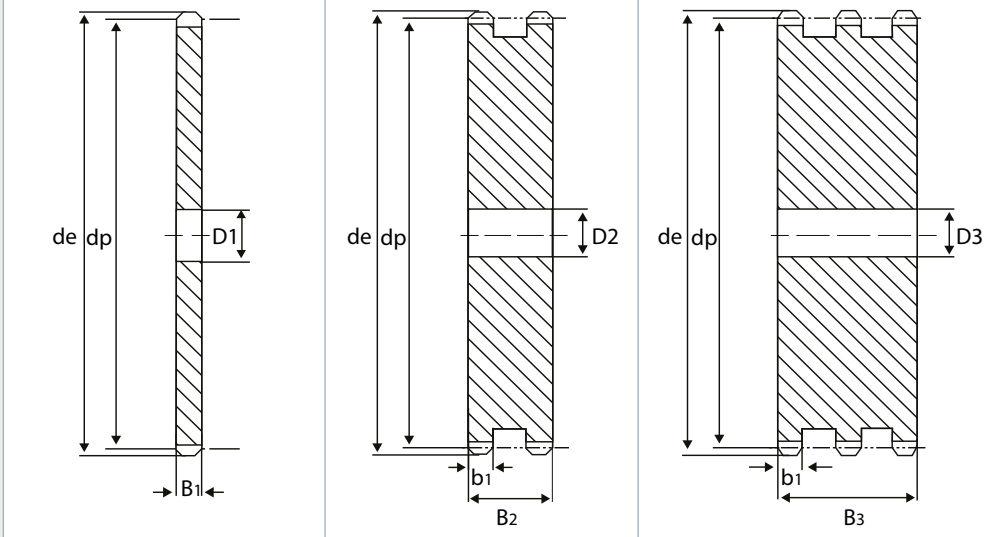
No. teeth	Outside dia. de	Pitch dia. dp	Simplex D1*	Duplex D2*
8	24	20.90	6	6
9	26.6	23.39	6	6
10	29.2	25.89	8	8
11	31.7	28.39	8	8
12	34.2	30.91	8	8
13	36.7	33.42	8	8
14	39.2	35.95	8	8
15	41.7	38.48	8	8
16	44.3	41.01	8	10
17	46.8	43.53	8	10
18	49.3	46.07	8	10
19	51.9	48.61	8	10
20	54.4	51.14	8	10
21	57	53.68	8	10
22	59.5	56.21	8	10
23	62	58.75	8	10
24	64.6	61.29	8	10
25	67.5	63.83	8	10
26	69.5	66.37	10	12
27	72.2	68.91	10	12
28	74.8	71.45	10	12
29	77.3	73.99	10	12
30	79.8	76.53	10	12
31	82.4	79.08	10	12
32	84.9	81.61	10	12
33	87.5	84.16	10	12
34	90	86.70	10	12
35	92.5	89.25	10	12
36	95	91.79	10	12
37	97.6	94.33	10	12
38	100.2	96.88	10	12
39	102.7	99.42	10	12
40	105.3	101.97	10	12
41	107.8	104.51	12	14
42	110.4	107.05	12	14
43	112.9	109.60	12	14
44	115.5	112.14	12	14
45	118	114.69	12	14
46	120.6	117.23	12	14
47	123.1	119.77	12	14
48	125.6	122.32	12	14
49	128.2	124.86	12	14
50	130.7	127.41	12	14
51	133.3	129.95	14	16
52	135.8	132.49	14	16
53	138.4	135.04	14	16
54	140.9	137.59	14	16
55	143.5	140.13	14	16
56	146	142.68	14	16
57	148.6	145.22	14	16
58	151	147.77	14	16
59	153.6	150.31	14	16
60	156.2	152.85	14	16
62	162	157.95	16	20
64	167.1	163.04	16	20
65	169.6	165.58	16	20
66	172.2	168.13	16	20
68	177.3	173.22	16	20
70	182.4	178.31	16	20
72	187.5	183.41	20	20
75	195.1	191.04	20	20
76	197.7	193.59	20	20
78	202.8	198.68	20	20
80	207.9	203.77	20	20
85	220.6	216.50	20	20
90	233.4	229.23	20	20
95	246.1	241.96	20	20
100	258.9	254.68	20	20
110	284.3	280.15	20	20
114	294.5	290.33	20	20
120	310	305.61	20	20
125	322.5	318.34	20	20

* Bore Ø H12 tolerance

3/8" BS (06B) Platewheels 3/8" x 7/32" Steel C45

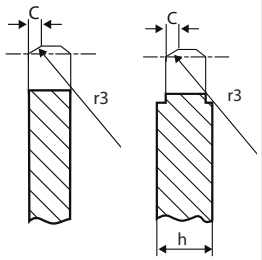
DRIVEFLEX

British Standard



Simplex | Duplex | Triplex

Detail



Type A | Type B

Tooth radius r_3 = 10
Radius size C = 1.0
Tooth width B_1 = 5.3
Tooth width b_1 = 5.2
Tooth width B_2 = 15.4
Tooth width B_3 = 25.6
Type B from 100 teeth, dimension h = 7mm

No. teeth	Outside dia. de	Pitch dia. dp	Simplex D1*	Duplex D2*	Triplex D3*
8	28	24.89	6	6	6
9	31	27.85	7	8	8
10	34	30.82	7	8	10
11	37	33.8	8	10	10
12	40	36.8	8	10	10
13	43	39.79	8	10	10
14	46.3	42.80	8	10	12
15	49.3	45.81	8	10	12
16	52.3	48.82	10	12	12
17	55.3	51.83	10	12	12
18	58.3	54.85	10	12	12
19	61.3	57.87	10	12	12
20	64.3	60.89	10	12	12
21	68	63.91	10	12	14
22	71	66.93	10	12	14
23	73.5	69.95	10	12	14
24	77	72.97	10	12	14
25	80	76.02	10	12	14
26	83	79.02	10	12	14
27	86	82.02	10	12	14
28	89	85.07	10	12	14
29	92	88.09	10	12	14
30	94.7	91.12	10	12	14
31	98.3	94.15	12	14	16
32	101.3	97.17	12		

No. teeth	Outside dia. de	Pitch dia. dp	Simplex D1*	Duplex D2*	Triplex D3*
33	104.3	100.20	12	14	16
34	107.3	103.23	12	14	16
35	110.4	106.26	12	14	16
36	113.4	109.20	12	14	16
37	116.4	112.32	12	14	16
38	119.5	115.35	12	14	16
39	122.5	118.37	12	14	16
40	125.5	121.40	12	14	16
41	128.5	124.43	16	16	16
42	131.6	127.46	16	16	16
43	134.6	130.49	16	16	16
44	137.6	133.52	16	16	16
45	140.7	136.55	16	16	16
46	143.7	139.58	16	16	16
47	146.7	142.61	16	16	16
48	149.7	145.64	16	16	16
49	152.7	148.66	16	16	16
50	155.7	151.69	16	16	16
51	158.7	154.72	16	16	20
52	161.8	157.75	16	16	20
53	164.8	160.78	16	16	20
54	167.8	163.82	16	16	20
55	170.8	166.85	16	16	20
56	173.8	169.88	16	16	20
57	176.9	172.91	16	16	20

No. teeth	Outside dia. de	Pitch dia. dp	Simplex D1*	Duplex D2*	Triplex D3*
58	179.9	175.93	16	16	20
59	183	178.96	16	16	20
60	186	181.99	16	16	20
62	192.1	188.06	20	20	20
64	198.2	194.12	20	20	20
65	201.6	197.15	20	20	20
66	204.6	200.18	20	20	25
68	210.7	206.24	20	20	25
70	216.7	212.30	20	20	25
72	222.8	218.37	20	20	25
73	225.9	221.40	20		
75	231.9	227.46	20	20	25
76	234.9	230.49	20	20	25
78	241	236.55	20	20	25
80	247.1	242.61	20	20	25
85	262.2	257.77	20	20	25
90	277.4	272.93	20	20	25
95	292.5	288.08	20	20	25
100	307.7	303.25	20	20	25
110	338	333.55	20	20	25
114	349.5	345.68	20	20	25
120	368.3	363.86	20	20	25
125	383.5	379.02	20	20	25

* Bore Ø H12 tolerance

All dimensions in mm. Intermediate sizes & special sprockets to drawing up to 1000mm diameter. Standard: to ISO/R 606

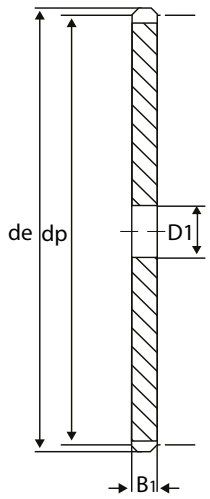
Available from stock ☐ Special order - typically 7-10 days

24hr Breakdown available | Customisable product | Product code builder | Compatible product

BS (081-1) Platewheels 1/2" x 1/8" Steel C45

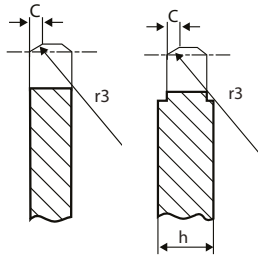
DRIVEFLEX

British Standard



Simplex

Detail



Type A Type B

Tooth radius r_3 = 13
Radius size C = 1.0
Tooth width B_1 = 3.0
Type A 8 to 29 tooth
H = 4mm 30 to 89 tooth
H = 6mm 90 to 125 tooth

No. teeth	Outside dia. de	Pitch dia. dp	Bore D1*
8	37.2	33.18	8
9	41.5	37.13	8
10	46.2	41.10	8
11	49.6	45.07	8
12	53.9	49.07	8
13	58.4	53.06	8
14	62.8	57.07	8
15	66.8	61.09	8
16	70.9	65.10	10
17	74.9	69.11	10
18	78.9	73.14	10
19	82.9	77.16	10
20	86.9	81.19	10
21	91	85.22	10
22	95	89.24	10
23	99	93.27	10
24	103	97.29	10
25	107.1	101.33	10

No. teeth	Outside dia. de	Pitch dia. dp	Bore D1*
26	111.2	105.36	12
27	115.4	109.40	12
28	119.4	113.42	12
29	123.4	117.46	12
30	127.5	121.50	12
31	131.5	125.54	12
32	135.5	129.56	12
33	139.6	133.60	12
34	143.6	137.64	12
35	147.6	141.68	12
36	151.7	145.72	16
37	155.7	149.76	16
38	159.8	153.80	16
39	163.8	157.83	16
40	167.8	161.87	16
41	171.4	165.91	16
42	175.4	169.95	16
43	179.5	173.99	16

No. teeth	Outside dia. de	Pitch dia. dp	Bore D1*
44	183.5	178.03	16
45	187.5	182.07	16
46	191.6	186.10	20
47	195.6	190.14	20
48	199.7	194.18	20
49	203.7	198.22	20
50	207.8	202.26	20
51	211.8	206.30	20
52	215.9	210.34	20
53	219.9	214.37	20
54	224	218.43	20
55	228	222.46	20
56	232.1	226.50	20
57	236.1	230.54	20
58	240.2	234.58	20
59	244.2	238.62	20
60	248.2	242.66	20
62	256.7	250.75	20

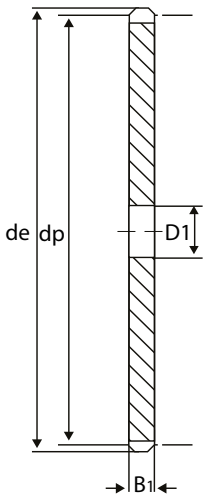
No. teeth	Outside dia. de	Pitch dia. dp	Bore D1*
64	264.8	258.82	20
65	268.8	262.86	20
66	272.9	268.90	25
68	280.9	274.99	25
70	289	283.07	25
72	297.1	291.16	25
76	313.3	307.33	25
78	321.4	315.40	25
80	329.4	323.48	25
85	349.7	343.70	25
90	369.9	363.90	25
95	390.1	384.10	25
100	410.3	404.31	25
110	450.7	444.74	25
114	466.9	460.90	25
120	491.2	485.16	25
125	511.4	505.37	25

* Bore Ø H12 tolerance
All dimensions in mm. Intermediate sizes & special sprockets to drawing up to 1000mm diameter. Standard: to ISO/R 606
Available from stock ☐ Special order - typically 7-10 days

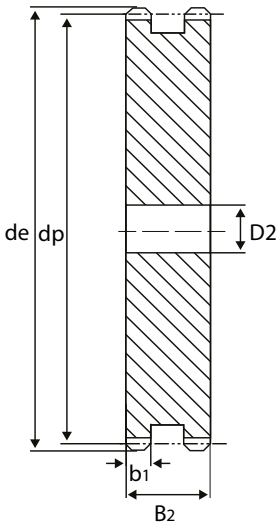
1/2" BS (08B) Platewheels 1/2" x 5/16" Steel C45

DRIVEFLEX

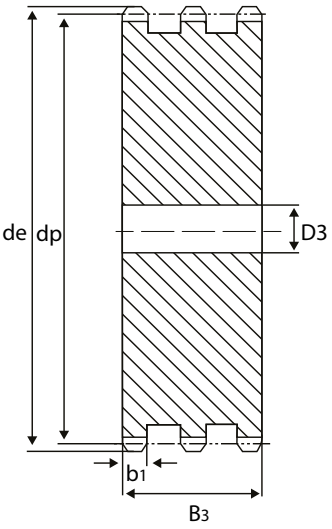
British Standard



Simplex

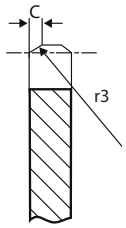


Duplex



Triplex

Detail



Type A

Tooth radius r_3 = 13
Radius size C = 1.3
Tooth width B_1 = 7.2
Tooth width b_1 = 7.0
Tooth width B_2 = 21.0
Tooth width B_3 = 34.9

No. teeth	Outside dia. de	Pitch dia. dp	Simplex D1*	Duplex D2*	Triplex D3*
8	37.2	33.18	8	10	10
9	41	37.13	8	10	12
10	45.2	41.10	8	10	12
11	48.7	45.07	10	12	14
12	53	49.07	10	12	14
13	57.4	53.06	10	12	14
14	61.8	57.07	10	12	14
15	65.5	61.09	10	12	14
16	69.5	65.10	10	14	16
17	73.6	69.11	10	14	16
18	77.8	73.14	10	14	16
19	81.7	77.16	10	14	16
20	85.8	81.19	10	14	16
21	89.7	85.22	12	16	20
22	93.8	89.24	12	16	20
23	98.2	93.27	12	16	20
24	101.8	97.29	12	16	20
25	105.8	101.33	12	16	20
26	110	105.36	16	16	20
27	114	109.40	16	16	20
28	118	113.42	16	16	20
29	122	117.46	16	16	20
30	126.1	121.50	16	16	20
31	130.2	125.54	16	16	20
32	134.3	129.56	16	16	20

No. teeth	Outside dia. de	Pitch dia. dp	Simplex D1*	Duplex D2*	Triplex D3*
33	138.4	133.60	16	16	20
34	142.6	137.64	16	16	20
35	146.7	141.68	16	16	20
36	151	145.72	16	20	25
37	154.6	149.76	16	20	25
38	158.6	153.80	16	20	25
39	162.7	157.83	16	20	25
40	166.8	161.87	16	20	25
41	171.4	165.91	20	20	25
42	175.4	169.95	20	20	25
43	179.7	173.99	20	20	25
44	183.8	178.03	20	20	25
45	188	182.07	20	20	25
46	192.1	186.10	20	20	25
47	198.2	190.14	20	20	25
48	200.3	194.18	20	20	25
49	204.3	198.22	20	20	25
50	208.3	202.26	20	20	25
51	212.1	206.30	20	25	25
52	216.1	210.34	20	25	25
53	220.2	214.37	20	25	25
54	224.1	218.43	20	25	25
55	228.1	222.46	20	25	25
56	232.2	226.50	20	25	25
57	236.4	230.54	20	25	25

No. teeth	Outside dia. de	Pitch dia. dp	Simplex D1*	Duplex D2*	Triplex D3*
58	240.5	234.58	20	25	25
59	244.5	238.62	20	25	25
60	248.6	242.66	20	25	25
62	256.9	250.75	25	25	25
64	265.1	258.82	25	25	25
65	269	262.86	25	25	25
66	273	266.90	25	25	25
68	281	274.99	25	25	25
69	285	279.04	25	25	25
70	289	283.07	25	25	25
72	297.2	291.16	25	25	25
75	309.2	303.27	25	25	25
76	313.3	307.33	25	25	25
78	321.4	315.40	25	25	25
80	329.4	323.48	25	25	25
85	349	343.70	25	25	25
90	369.9	363.90	25	25	25
95	390.1	384.11	25	25	25
100	410.3	404.32	25	25	25
110	450.7	444.74	25	25	25
114	466.9	460.90	25	25	25
120	491.2	485.16	25	25	25
125	511.3	505.37	25	25	25

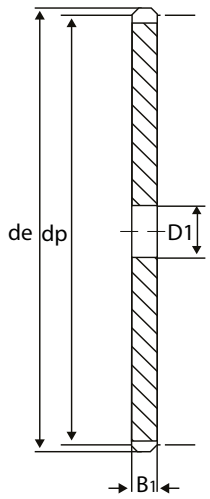
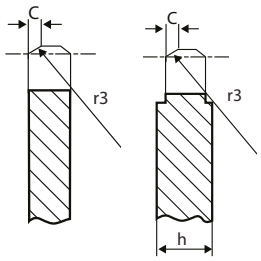
* Bore Ø H12 tolerance

All dimensions in mm. Intermediate sizes & special sprockets to drawing up to 1000mm diameter. Standard: to ISO/R 606

Available from stock ☐ Special order - typically 7-10 days

BS (083-1) Platewheels 1/2" X 3/16" Steel C45

DRIVEFLEX

British Standard	Detail
	
Simplex	Type A Type B

All dimensions in mm.
Intermediate sizes & special sprockets to drawing up to 1000mm diameter. Standard: to ISO/R 606

Available from stock

Special order - typically 7-10 days

Tooth radius r_3 = 13
Radius size C = 1.3
Tooth width B_1 = 4.3 + 0.2
Type A 8 to 89 tooth
Type B from 90 teeth, dimension h = 6mm

No. teeth	Outside dia. de	Pitch dia. dp	Bore D1*
8	38.5	33.18	8
9	41.5	37.13	8
10	46.2	41.10	8
11	49.6	45.07	8
12	53.9	49.07	8
13	58.4	53.06	8
14	62.8	57.07	8
15	66.8	61.09	8
16	70.9	65.10	10
17	74.9	69.11	10
18	78.9	73.14	10
19	82.9	77.16	10
20	86.9	81.19	10
21	91	85.22	10
22	95	89.24	10
23	99	93.27	10
24	103	97.29	10
25	107.1	101.33	10
26	111.2	105.36	12
27	115.4	109.40	12
28	119.4	113.42	12
29	123.4	117.46	12
30	127.5	121.50	12
31	131.5	125.54	12

No. teeth	Outside dia. de	Pitch dia. dp	Bore D1*
32	135.5	129.56	12
33	139.6	133.60	12
34	143.6	137.64	12
35	147.6	141.68	12
36	151.7	145.72	16
37	155.7	149.76	16
38	159.8	153.80	16
39	163.8	157.83	16
40	167.8	161.87	16
41	171.4	165.91	16
42	175.4	169.95	16
43	179.5	173.99	16
44	183.5	178.03	16
45	187.5	182.07	16
46	191.6	186.10	20
47	195.6	190.14	20
48	199.7	194.18	20
49	203.7	198.22	20
50	207.8	202.26	20
51	211.8	206.30	20
52	215.9	210.34	20
53	219.9	214.37	20
54	224	218.43	20
55	228	222.46	20

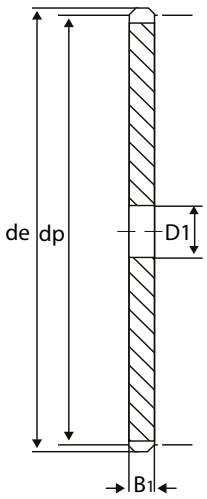
No. teeth	Outside dia. de	Pitch dia. dp	Bore D1*
56	232.1	226.50	20
57	236.1	230.54	20
58	240.2	234.58	20
59	244.2	238.62	20
60	248.2	242.66	20
62	256.7	250.75	20
64	264.8	258.82	20
65	268.8	262.86	20
66	272.9	266.90	25
68	280.9	274.99	25
70	289	283.07	25
72	297.1	291.16	25
76	313.3	307.33	25
78	321.4	315.40	25
80	329.4	323.48	25
85	349.7	343.70	25
90	369.9	363.90	25
95	390.1	384.10	25
100	410.3	404.31	25
110	450.7	444.74	25
114	466.9	460.90	25
120	491.2	485.16	25
125	511.4	505.37	25

* Bore Ø H12 tolerance

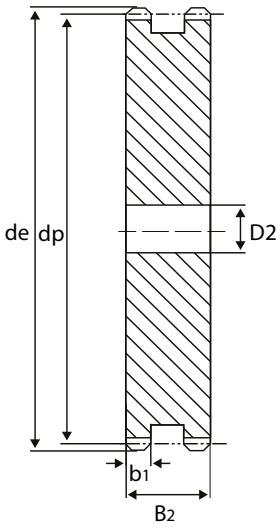
BS (10B) Platewheels 5/8" x 3/8" C45

DRIVEFLEX

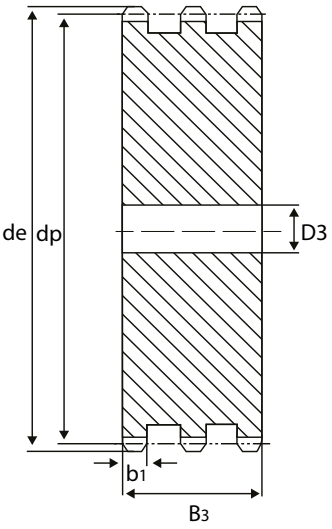
British Standard



Simplex

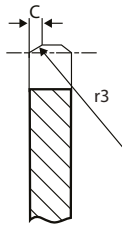


Duplex



Triplex

Detail



Type A

Tooth radius r_3 = 16
Radius size C = 1.6
Tooth width B_1 = 9.1
Tooth width b_1 = 9.0
Tooth width B_2 = 25.5
Tooth width B_3 = 42.1

No. teeth	Outside dia. de	Pitch dia. dp	Simplex D1*	Duplex D2*	Triplex D3*
8	47	41.48	10	12	12
9	52.6	46.42	10	12	12
10	57.5	51.37	10	12	16
11	63	56.34	10	14	16
12	68	61.34	10	14	16
13	73	66.32	10	14	16
14	78	71.34	10	14	16
15	83	76.36	10	14	16
16	88	81.37	12	16	16
17	93	86.38	12	16	16
18	98.3	91.42	12	16	16
19	103.3	96.45	12	16	16
20	108.4	101.49	12	16	16
21	113.4	106.52	12	16	20
22	118	111.55	12	16	20
23	123.5	116.58	12	16	20
24	128.3	121.62	12	16	20
25	134	126.66	12	16	20
26	139	131.70	16	16	20
27	144	136.75	16	16	20
28	148.7	141.78	16	16	20
29	153.8	146.83	16	16	20
30	158.8	151.87	16	16	20
31	163.9	156.92	16	20	20
32	168.9	161.95	16	20	20
33	174.5	167.00	16	20	20
34	179	172.05	16	20	20
35	184.1	177.10	16	20	20
36	189.1	182.15	20	20	25
37	194.2	187.20	20	20	25
38	199.2	192.24	20	20	25
39	204.2	197.29	20	20	25
40	209.3	202.34	20	20	25
41	214.8	207.39	20	20	25
42	219.9	212.44	20	20	25
43	224.9	217.49	20	20	25
44	230	222.53	20	20	25
45	235	227.58	20	20	25
46	240.1	232.63	20	25	25
47	245.1	237.68	20	25	25
48	250.2	242.73	20	25	25
49	255.2	247.78	20	25	25
50	260.3	252.82	20	25	25
51	265.3	257.87	20	25	25
52	270.4	262.92	20	25	25
53	275.4	267.97	20	25	25
54	280.5	273.03	20	25	25
55	285.5	278.08	20	25	25
56	290.6	283.13	25	25	25
57	296	288.18	25	25	25
58	300.7	293.23	25	25	25
59	305.7	298.27	25	25	25
60	310.8	303.32	25	25	25
62	321.4	313.43	25	25	30
64	331.5	323.53	25	25	30
65	336.5	328.58	25	25	30
66	341.6	333.63	25	25	30
68	351.7	343.74	25	25	30
70	361.8	353.84	25	25	30
72	371.9	363.95	25	25	30
75	387.1	379.09	25	25	30
76	392.1	384.16	25	25	30
78	402.2	394.25	25	25	30
80	412.3	404.35	25	30	30
85	437.6	429.62	30	30	30
90	462.8	454.88	30	30	30
95	488.5	480.14	30	30	30
100	513.4	505.39	30	30	30
110	563.9	555.92	30	30	30
114	584.1	576.13	30	30	30
120	614.4	606.45	30	30	30
125	639.7	631.51	30	30	30

All dimensions in mm. Intermediate sizes & special sprockets to drawing up to 1000mm diameter. Standard: to ISO/R 606
Available from stock ☐ Special order - typically 7-10 days * Bore Ø H12 tolerance

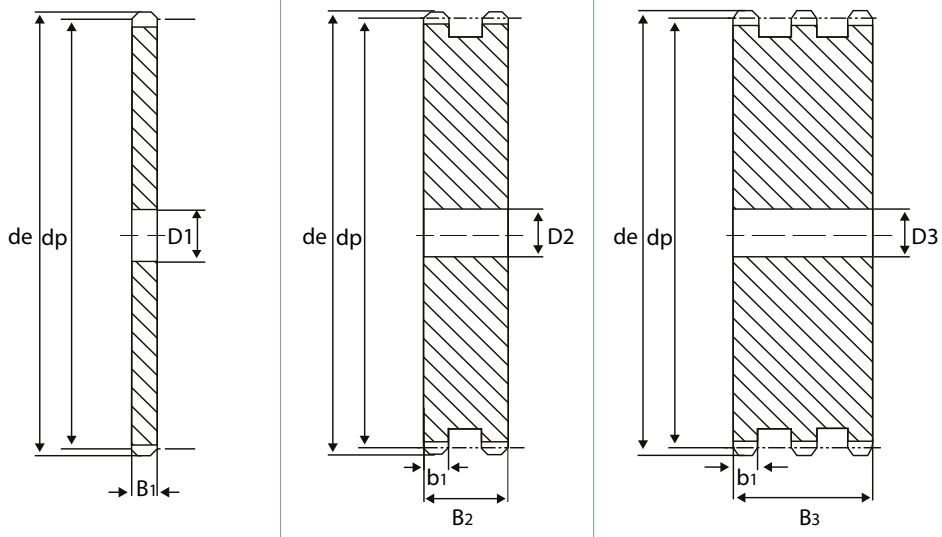
24hr Breakdown available Customisable product Product code builder Compatible product

BS (12B) Platewheels 3/4" x 7/16" C45

DRIVEFLEX

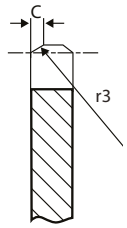


British Standard



Simplex | Duplex | Triplex

Detail



Type A

Tooth radius	r_3 = 19
Radius size	C = 2
Tooth width	B_1 = 11.1
Tooth width	b_1 = 10.8
Tooth width	B_2 = 30.3
Tooth width	B_3 = 49.8

No. teeth	Outside dia. de	Pitch dia. dp	Simplex D1*	Duplex D2*	Triplex D3*
8	57.6	49.78	12	12	16
9	62	55.70	12	12	16
10	69	61.64	12	12	16
11	75	67.61	14	16	20
12	81.5	73.61	14	16	20
13	87.5	79.59	14	16	20
14	93.6	85.61	14	16	20
15	99.8	91.63	14	16	20
16	105.5	97.65	14	20	20
17	111.5	103.67	14	20	20
18	118	109.71	14	20	20
19	124.2	115.75	14	20	20
20	129.7	121.78	14	20	20
21	136	127.82	16	20	20
22	141.8	133.86	16	20	20
23	149	139.90	16	20	20
24	153.9	145.94	16	20	20
25	160	152.00	16	20	20
26	165.9	158.04	16	20	20
27	172.3	164.09	16	20	20
28	178	170.13	16	20	20
29	184.1	176.19	16	20	20
30	190.5	182.25	16	20	20
31	196.3	188.31	20	20	25
32	203.3	194.36	20	20	25
33	209.2	200.40	20	20	25
34	214.6	206.46	20	20	25
35	221	212.52	20	20	25
36	226.8	218.58	20	25	25
37	232.9	224.64	20	25	25
38	239	230.69	20	25	25
39	245.1	236.75	20	25	25
40	251.3	242.81	20	25	25
41	257.3	248.87	25	25	25
42	264.5	254.93	25	25	25
43	270.5	260.98	25	25	25
44	276.5	267.04	25	25	25
45	282.5	273.10	25	25	25
46	287.9	279.16	25	25	25
47	294	285.21	25	25	25
48	300.1	291.27	25	25	25
49	306.2	297.33	25	25	25
50	312.3	303.39	25	25	25
51	318.4	309.45	25	25	25
52	324.5	315.50	25	25	25
53	330.5	321.56	25	25	25
54	336.6	327.64	25	25	25
55	342.7	333.70	25	25	25
56	348.7	339.75	25	25	30
57	355.4	345.81	25	25	30
58	361.5	351.87	25	25	30
59	367.5	357.93	25	25	30
60	373	363.99	25	25	30
62	385.1	376.12	25	30	30
64	397.2	388.24	25	30	30
65	403.2	394.29	25	30	30
66	409.3	400.35	30	30	30
68	421.4	412.49	30	30	30
70	433.6	424.60	30	30	30
72	447	436.74	30	30	30
75	463.9	454.91	30	30	30
76	469.9	460.99	30	30	30
78	482.1	473.10	30	30	30
80	494.2	485.22	30	30	30
85	524.5	515.55	30	30	30
90	554.8	545.86	30	30	30
95	585.1	576.17	30	30	30
100	615.4	606.47	30	30	30
110	676.1	667.11	30	30	30
114	700.6	691.36	30	30	30
120	736.7	727.74	30	30	30
125	767	758.05	30	30	30

* Bore Ø H12 tolerance

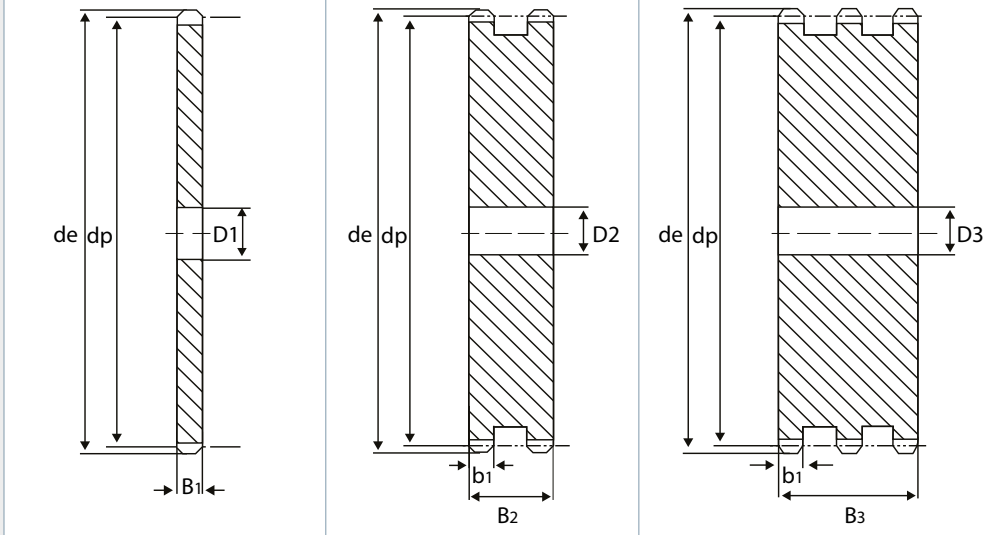
All dimensions in mm. Intermediate sizes & special sprockets to drawing up to 1000mm diameter. Standard: to ISO/R 606

Available from stock ☐ Special order - typically 7-10 days

BS (16B) Platewheels 1" x 17.02mm C45

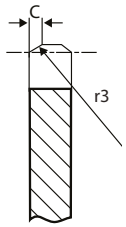
DRIVEFLEX

British Standard



Simplex | Duplex | Triplex

Detail



Type A

Tooth radius $r_3 = 26$
Radius size $C = 2.5$
Tooth width $B_1 = 16.2$
Tooth width $b_1 = 15.8$
Tooth width $B_2 = 47.7$
Tooth width $B_3 = 79.6$

No. teeth	Outside dia. de	Pitch dia. dp	Simplex D1*	Duplex D2*	Triplex D*
8	77	66.37	14	16	20
9	85	74.27	14	16	20
10	93	82.19	15	16	20
11	99.5	90.14	15	20	25
12	109	98.14	15	20	25
13	117	106.12	15	20	25
14	125	114.15	15	20	25
15	133	122.17	15	20	25
16	141	130.20	19	20	30
17	149	138.22	19	20	30
18	157	146.28	19	20	30
19	165.2	154.33	19	20	30
20	173	162.38	19	20	30
21	181.2	170.43	20	25	30
22	189.3	178.48	20	25	30
23	197.5	186.53	20	25	30
24	205.5	194.59	20	25	30
25	213.5	202.66	20	25	30
26	221.6	210.72	20	25	30
27	229.6	218.79	20	25	30
28	237.7	226.85	20	25	30
29	245.8	234.92	20	25	30
30	254	243.00	20	25	30
31	262	251.08	25	25	30

No. teeth	Outside dia. de	Pitch dia. dp	Simplex D1*	Duplex D2*	Triplex D3*
32	270	259.13	25	25	30
33	278.5	267.21	25	25	30
34	287	275.28	25	25	30
35	296.2	283.36	25	25	30
36	304.6	291.44	25	25	30
37	312.6	299.51	25	25	30
38	320.7	307.59	25	25	30
39	328.8	315.67	25	25	30
40	336.9	323.75	25	25	30
41	345	331.82	25		
42	353	339.90	25	25	30
43	361.1	347.98	25	25	
44	369.1	356.06	25	25	30
45	377.1	364.13	25	25	30
46	385.2	372.21	25	30	30
47	393.2	380.29	25		
48	401.3	388.36	25	30	30
49	409.3	396.44	25		
50	417.4	404.52	25	30	30
51	425.5	412.60	30	30	40
52	433.6	420.67	30	30	40
53	441.7	428.75	30		
54	448.3	436.85	30		
55	457.9	444.93	30	30	40

No. teeth	Outside dia. de	Pitch dia. dp	Simplex D1*	Duplex D2*	Triplex D3*
56	466	453.01	30	30	
57	474	461.07	30	30	40
58	482.1	469.16	30		
59	490.2	477.24	30		
60	498.3	485.32	30	30	40
62	514.5	501.50	30	30	
64	530.7	517.65	30		
65	538.8	525.73	30	30	40
66	546.8	533.80	30		
68	562.9	549.98	30	30	40
70	579.2	566.14	30	30	40
72	595.4	582.32	30	30	40
75	619.7	606.55	30	30	40
76	627	614.65	30	30	40
78	643.3	630.80	30		
80	660	646.96	30	30	40
85	699.9	687.40	30	30	40
90	740.3	727.81	30	30	40
95	781.1	768.22	30	30	40
100	821.1	808.63	30	30	40
110	902	889.48	30	30	40
114	934.3	921.81	30	40	40
120	982.8	970.33	30	40	40

* Bore Ø H12 tolerance

All dimensions in mm. Intermediate sizes & special sprockets to drawing up to 1000mm diameter. Standard: to ISO/R 606

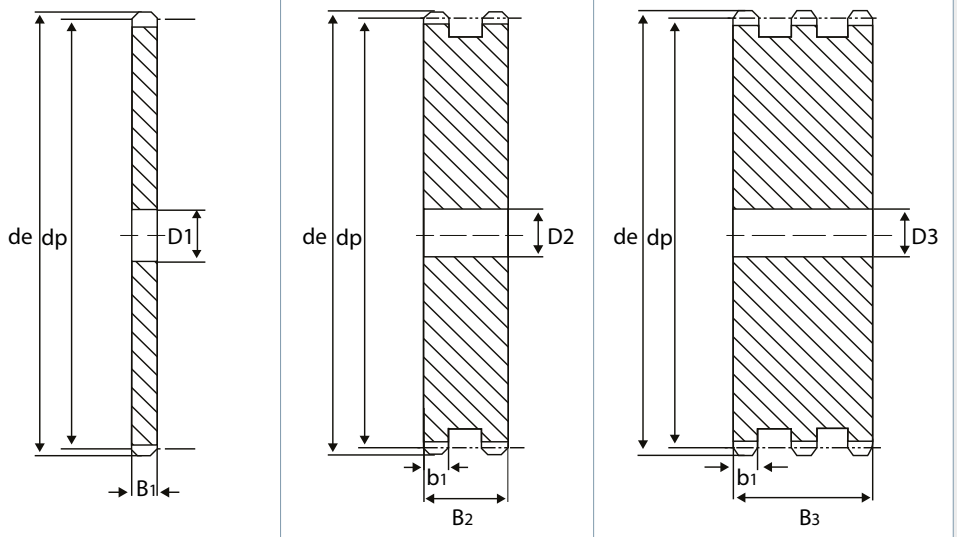
Available from stock ☐ Special order - typically 7-10 days

BS (20B) Platewheels 1 1/4" x 3/4" C45

DRIVEFLEX

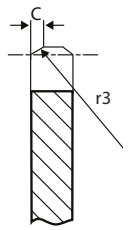


British Standard



Simplex | Duplex | Triplex

Detail



Type A

Tooth radius $r_3 = 32$
Radius size $C = 3.5$
Tooth width $B_1 = 18.5$
Tooth width $b_1 = 18.2$
Tooth width $B_2 = 54.60$
Tooth width $B_3 = 91.0$

No. teeth	Outside dia. de	Pitch dia. dp	Simplex D1*	Duplex D2*	Triplex D3*
8	98.1	82.96	16	20	20
9	108	92.84	16	20	20
10	117.9	102.74	16	20	20
11	127.8	112.68	16	20	20
12	137.8	122.68	20	20	20
13	147.8	132.65	20	20	20
14	157.8	142.68	20	20	20
15	167.9	152.72	20	20	20
16	177.9	162.75	25	25	25
17	187.9	172.78	25	25	25
18	198	182.85	25	25	25
19	208.1	192.91	25	25	25
20	218.1	202.98	25	25	25
21	228.2	213.04	25	25	25
22	238.3	223.11	25	25	25
23	248.3	233.17	25	25	25
24	258.4	243.23	25	25	25
25	268.5	253.33	25	25	25
26	278.6	263.40	25	25	25
27	288.6	273.40	25	25	25
28	298.7	283.56	25	25	25
29	308.8	293.65	25	25	25
30	318.9	303.75	25	25	25

No. teeth	Outside dia. de	Pitch dia. dp	Simplex D1*	Duplex D2*	Triplex D3*
31	329	313.85	25	25	30
32	339.1	323.91	25	25	30
33	349.2	334.01	25	25	30
34	359.3	344.10	25	25	30
35	369.4	354.20	25	25	30
36	379.5	364.30	25	30	30
37	389.5	374.39	25	30	30
38	399.6	384.49	25	30	30
39	409.7	394.59	25	30	30
40	419.8	404.68	25	30	30
41	429.9	414.78	30		
42	440	424.88	30	30	40
43	450.1	434.97	30		
44	460.2	445.07	30		
45	470.3	455.17	30	30	40
46	480.4	465.26	30	30	40
47	490.5	475.36	30		
48	500.6	485.46	30	30	40
49	510.7	495.55	30		
50	520.8	505.65	30	30	40
51	530.9	515.75	30		
52	541	525.84	30	30	40
53	551.1	535.94	30		

No. teeth	Outside dia. de	Pitch dia. dp	Simplex D1*	Duplex D2*	Triplex D3*
54	561.2	546.07	30		
55	571.3	556.16	30	30	40
56	581.4	566.26	30		
57	591.5	576.36	30	30	40
58	601.6	586.45	30		
59	611.7	596.55	30		
60	621.8	606.65	30	30	40
62	642	626.87	30		
64	662.2	647.06	30		
65	672.3	657.16	30	30	40
66	682.4	667.26	30		
68	702.6	687.48	30		
70	722.8	707.67	30	30	40
72	743.1	727.90	30		
75	773.3	758.19	30		
76	783.5	768.32	30	30	40
80	823.9	808.72	30	30	40
85	874.4	859.25	30		
90	924.9	909.76	30		
95	975.4	960.28	30	30	40
100	1026	1010.79	30		
114	1167.4	1152.26	30	40	40

* Bore Ø H12 tolerance

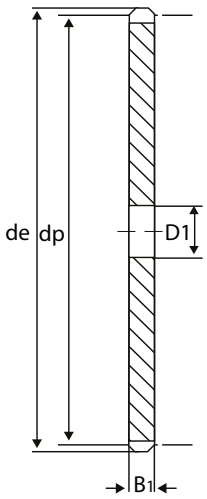
All dimensions in mm. Intermediate sizes & special sprockets to drawing up to 1000mm diameter. Standard: to ISO/R 606

Available from stock ☐ Special order - typically 7-10 days

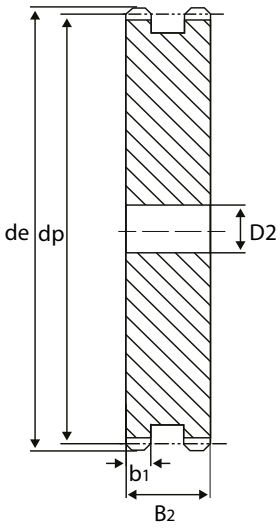
BS (24B) Platewheels 1 1/2" x 1" Steel C45

DRIVEFLEX

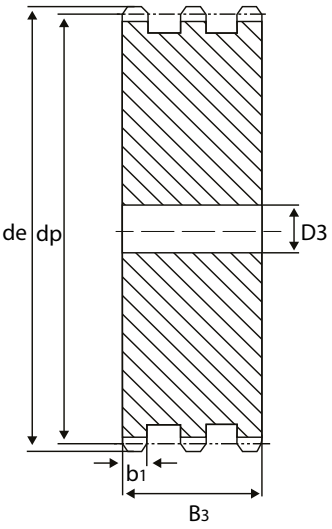
British Standard



Simplex

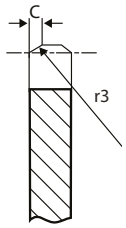


Duplex



Triplex

Detail



Type A

Tooth radius r_3 = 38
Radius size C = 4
Tooth width B_1 = 24.1
Tooth width b_1 = 23.6
Tooth width B_2 = 72
Tooth width B_3 = 120.3

No. teeth	Outside dia. de	Pitch dia. dp	Simplex D1*	Duplex D2*	Triplex D3*
8	115	99.55	20	25	25
9	126.4	111.4	20	25	25
10	138	123.29	20	25	25
11	150	135.21	20	25	25
12	162	147.22	20	25	25
13	174.2	159.18	20	25	25
14	186.2	171.22	20	25	25
15	198.2	183.26	20	25	25
16	210.3	195.30	25	25	25
17	222.3	207.34	25	25	25
18	234.3	219.42	25	25	25
19	246.5	231.49	25	25	25
20	258.6	243.57	25	25	25
21	270.6	255.65	25	25	30
22	282.7	267.73	25	25	30
23	294.8	279.80	25	25	30
24	306.8	291.88	25	25	30
25	319	304.00	25	25	30
26	331	316.08	30	30	30
27	343.2	328.19	30	30	30
28	355.2	340.27	30	30	30
29	367.3	352.38	30	30	30
30	379.5	364.50	30	30	40
31	391.6	376.62	30	30	
32	403.7	388.69	30	30	40
33	415.8	400.81	30	30	40
34	427.8	412.93	30	30	40
35	440	425.04	30	30	40
36	452	437.16	30	30	40
37	464.2	449.27	30	30	
38	476.2	461.39	30	30	40
39	488.5	473.50	30	30	
40	500.6	485.62	30	30	40
41	512.6	497.74	30		
42	524.7	509.85	30	40	40
43	536.8	521.97	30		
44	549	534.08	30		
45	561.2	546.20	30	40	40
46	573.3	558.32	30	40	40
47	585.4	570.43	30		
48	597.4	582.55	30	40	40
49	609.5	594.66	30		
50	621.7	606.78	30	40	40
51	633.8	618.89	30		
52	646	631.01	30		
53	658	643.13	30		
54	670.2	655.28	30		
55	682.3	667.40	30	40	40
56	694.4	679.51	30		
57	706.5	691.63	30	40	40
58	718.6	703.74	30		
59	730.7	715.86	30		
60	742.8	727.97	30	40	40
62	767.2	752.24	40		
64	791.3	776.48	40		
65	803.4	788.59	40	40	40
66	815.6	800.71	40		
68	839.8	824.98	40		
70	864.2	849.21	40		
72	888.4	873.48	40		
75	924.8	909.83	40		
76	936.9	921.98	40	40	40
80	985.4	970.44	40		
85	1046	1031.10	40		
95	1167.3	1152.33	40		

* Bore Ø H12 tolerance

All dimensions in mm. Intermediate sizes & special sprockets to drawing up to 1000mm diameter. Standard: to ISO/R 606

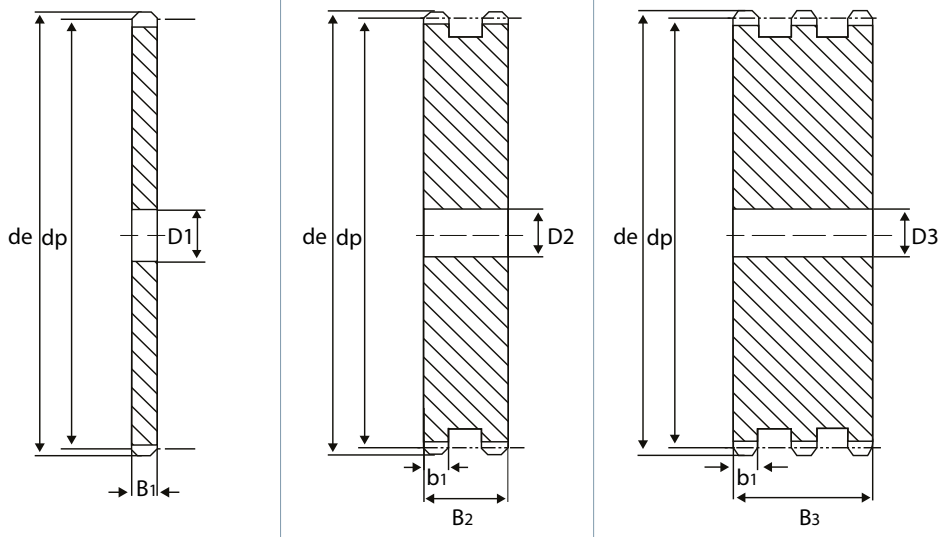
Available from stock ☐ Special order - typically 7-10 days

BS (28B) Platewheels 1 3/4" x 1 1/4" Steel C45

DRIVEFLEX

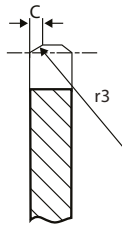


British Standard



Simplex | Duplex | Triplex

Detail



Type A

Tooth radius	r_3 = 44
Radius size	C = 5
Tooth width	B_1 = 29.4
Tooth width	b_1 = 28.8
Tooth width	B_2 = 88.4
Tooth width	B_3 = 148

No. teeth	Outside dia. de	Pitch dia. dp	Simplex	Duplex	Triplex
			D1*	D2*	D3*
8	132	116.15	25	25	25
9	148.4	129.96	25	25	25
10	162.3	143.85	25	25	25
11	176.3	157.77	25	25	30
12	189.5	171.74	25	25	30
13	204.2	185.75	25	25	30
14	218.2	199.76	25	25	30
15	232.3	213.79	25	25	30
16	246.3	227.84	30	30	30
17	260	241.91	30	30	30
18	274	255.98	30	30	30
19	289	270.06	30	30	30
20	303	284.15	30	30	30
21	317	298.24	30	30	30
22	331	312.34	30	30	30
23	345	326.44	30	30	30
24	359	340.55	30	30	30
25	373	354.66	30	30	40
26	387	368.77	30	30	40

No. teeth	Outside dia. de	Pitch dia. dp	Simplex	Duplex	Triplex
			D1*	D2*	D3*
27	401.4	382.88	30	30	40
28	416	397.00	30	30	40
29	430	411.12	30	30	
30	444	425.24	30	30	40
31	458	439.37	30		
32	472	453.49	30		
33	486	467.62	30		
34	500	481.75	30		
35	514	495.88	30	30	40
36	529	510.01	30		
37	543	524.14	30		
38	557	538.27	30	30	40
39	571	552.40	30		
40	585	566.54	30	30	40
45	656	637.22	30	30	40
50	726	707.91	30	30	40
57	825	806.90	40	40	40
60	869	849.32	40	40	40
76	1095	1075.62	40	40	40

* Bore Ø H12 tolerance

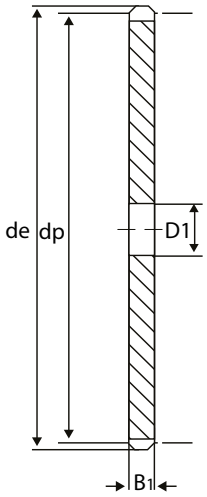
All dimensions in mm. Intermediate sizes & special sprockets to drawing up to 1000mm diameter. Standard: to ISO/R 606

Available from stock ☐ Special order - typically 7-10 days

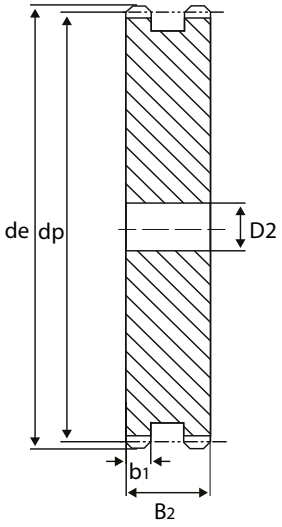
BS (32B) Platewheels 2" x 1 1/4" C45

DRIVEFLEX

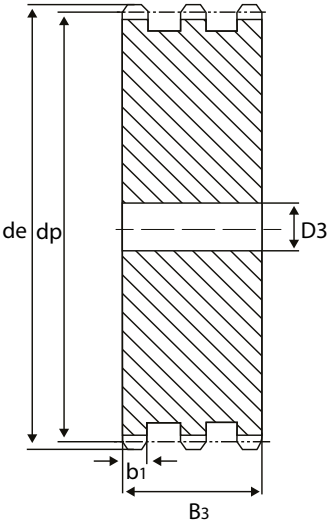
British Standard



Simplex

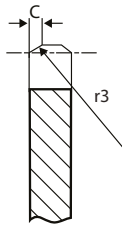


Duplex



Triplex

Detail



Type A

Tooth radius r_3 = 51
Radius size C = 5
Tooth width B_1 = 29.4
Tooth width b_1 = 28.8
Tooth width B_2 = 87.4
Tooth width B_3 = 146

No. teeth	Outside dia. de	Pitch dia. dp	Simplex D1*	Duplex D2*	Triplex D3*
8	153.2	132.69	25	25	25
9	169	148.54	25	25	25
10	185	164.44	25	25	25
11	200.8	180.34	30	30	30
12	216.8	196.29	30	30	30
13	232.8	212.29	30	30	30
14	248.8	228.29	30	30	30
15	264.8	244.30	30	30	30
16	280.9	260.40	30	30	30
17	296.9	276.40	30	30	30
18	313	292.55	30	30	30
19	329.1	308.66	30	30	30
20	345.2	324.71	30	30	30
21	361.3	340.82	30	30	40
22	377.5	356.98	30	30	40
23	393.6	373.08	30	30	40

No. teeth	Outside dia. de	Pitch dia. dp	Simplex D1*	Duplex D2*	Triplex D3*
25	425.8	405.33	30	30	40
26	441.9	421.44	30	30	40
27	458.1	437.59	30	30	40
28	474.2	453.69	30	30	40
29	490.4	469.90	30		
30	506.5	486.00	30	30	40
32	538.8	518.26	30		
35	589.5	566.72	30	30	40
38	635.5	615.14	30	30	40
40	670.3	647.49	40	40	40
45	751	728.26	40	40	40
50	831.8	809.04	40	40	40
57	945	922.17	40	40	40
60	993.4	970.63	40	40	40
76	1252	1229.28	40	40	40

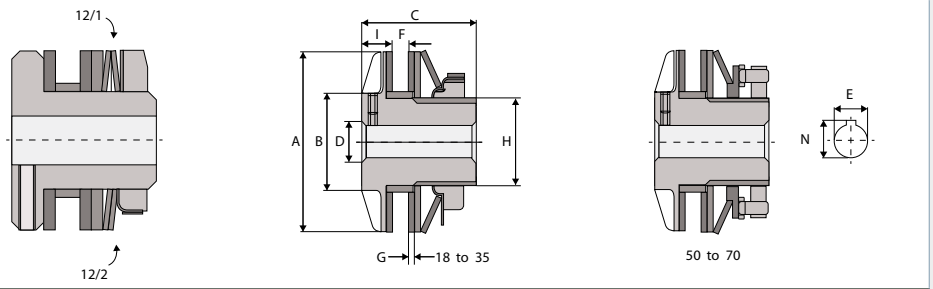
* Bore Ø H12 tolerance

All dimensions in mm. Intermediate sizes & special sprockets to drawing up to 1000mm diameter. Standard: to ISO/R 606
Available from stock ☐ Special order - typically 7-10 days

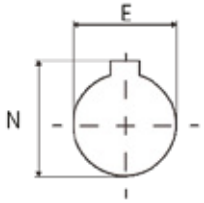
Chain Torque Limiters

DRIVEFLEX

Chain Torque Limiters



Detail



Type	Max. torque (Nm)	No. springs	A	B	C	D* Pilot bore	Max. bore/Keyway DIN 6885/1		Max. bore/Keyway DIN 6885/3		F max.	G	H	I
							E max.	N	E max.	N				
TL12/1	5	2	30	21	31	4.5	11	12.8	12	13.4	6	2.5	18	9
TL12/2	10	2	30	21	31	4.5	11	12.8	12	13.4	6	2.5	18	9
TL18/1	15	1	40	26	28	7	14	16.3	16	17.4	7	3	22	8
TL18/2	28	2	40	26	28	7	14	16.3	16	17.4	7	3	22	8
TL25/1	70	1	65	45	50	10	22	24.8	25	27.3	13	4	36	16
TL25/2	120	2	65	45	50	10	22	24.8	25	27.3	13	4	36	16
TL35/1	130	1	85	52	55	15	25	28.3	30	32.3	15	4	42	17
TL35/2	240	2	85	52	55	15	25	28.3	30	32.3	15	4	42	17
TL50/1	350	1	120	73	77	20	45	48.8	48	50.8	20	4	64	21
TL50/2	650	2	120	73	77	20	45	48.8	48	50.8	20	4	64	21
TL70/1	1000	1	170	100	93	28	65	69.4	70	73.3	20	4.8	90	26.5
TL70/2	1800	2	170	100	93	28	65	69.4	70	73.3	20	4.8	90	26.5

* Bore Ø H12 tolerance

Ground Platewheels

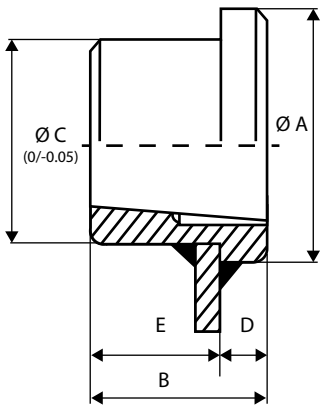
Type	Description
TL25/1P-06B25	06B 25T PLATEWHEEL
TL25/1P-06B38	06B 38T PLATEWHEEL
TL25/1P-08B22	08B 22T PLATEWHEEL
TL25/1P-08B23	08B 23T PLATEWHEEL
TL25/1P-08B25	08B 25T PLATEWHEEL
TL25/1P-08B38	08B 38T PLATEWHEEL
TL25/1P-10B19	10B 19T PLATEWHEEL
TL25/1P-10B21	10B 21T PLATEWHEEL
TL25/1P-10B23	10B 23T PLATEWHEEL
TL25/1P-10B25	10B 25T PLATEWHEEL
TL25/1P-10B38	10B 38T PLATEWHEEL
TL35/1P-06B38	06B 38T PLATEWHEEL
TL35/1P-08B25	08B 25T PLATEWHEEL
TL35/1P-08B27	08B 27T PLATEWHEEL

Type	Description
TL35/1P-08B30	08B 30T PLATEWHEEL
TL35/1P-08B38	08B 38T PLATEWHEEL
TL35/1P-10B23	10B 23T PLATEWHEEL
TL35/1P-10B24	10B 24T PLATEWHEEL
TL35/1P-10B25	10B 25T PLATEWHEEL
TL35/1P-10B38	10B 38T PLATEWHEEL
TL35/1P-12B19	12B 19T PLATEWHEEL
TL35/1P-12B21	12B 21T PLATEWHEEL
TL35/1P-12B23	12B 23T PLATEWHEEL
TL35/1P-12B25	12B 25T PLATEWHEEL
TL35/1P-12B38	12B 38T PLATEWHEEL
TL50/1P-08B38	08B 38T PLATEWHEEL
TL50/1P-08B76	08B 76T PLATEWHEEL
TL50/1P-10B38	10B 38T PLATEWHEEL

Type	Description
TL50/1P-12B25	12B 25T PLATEWHEEL
TL50/1P-12B28	12B 28T PLATEWHEEL
TL50/1P-12B38	12B 38T PLATEWHEEL
TL50/1P-16B19	16B 19T PLATEWHEEL
TL50/1P-16B21	16B 21T PLATEWHEEL
TL50/1P-16B23	16B 23T PLATEWHEEL
TL50/1P-16B25	16B 25T PLATEWHEEL
TL70/1P-10B39	10B 39T PLATEWHEEL
TL70/1P-10B57	10B 57T PLATEWHEEL
TL70/1P-12B38	12B 38T PLATEWHEEL
TL70/1P-16B28	16B 28T PLATEWHEEL
TL70/1P-16B38	16B 38T PLATEWHEEL
TL70/1P-16B57	16B 57T PLATEWHEEL
TL70/1P-20B21	20B 21T PLATEWHEEL

Weld on Hubs

DRIVEFLEX



Available from stock

Special order - typically 7-10 days

Manufactured from Steel to provide a convenient means to secure fan rotors, Steel pulleys, platewheel sprockets, impellers etc. to a shaft. The Shouldered outer diameter allows for easy location. Taper bored to suit taper lock bush sizes 1210-5050.

Ref.	Bush size	A	B	C	D	E
WH1210	1210	70	25	64.5	9	16
WH1610	1610	80	25	74.5	9	16
WH2012	2012	95	32	89.5	12	20
WH2517	2517	115	45	109.5	19	26
WH3020	3020	145	51	139.5	19	32
WH3525	3525	190	65	179.5	25	40
WH4040	4040	200	102	189.5	32	70
WH4545	4545	210	114	199.5	40	74
WH5050	5040	230	127	220.0	40	87



See Chain section – Page 501



GEARS & RACKS

Introduction 704

Metric Spur Gears (MOD) 707
- *Steel* 708
- *Stainless Steel* 730
- *Glass-Filled Nylon 6* 736
- *Moulded HOSTAFORM®* 742
- *Moulded DELRIN® 500* 754

Imperial Spur Gears (DP) 758
- *Steel* 759

Metric and Imperial Racks 767

Metric (MOD)
- *Steel* 768
- *Stainless Steel* 772
- *Round Section (Steel)* 773
- *Acetal/DELRIN®* 774
- *Glass-Filled Nylon 6* 775
- *Moulded HOSTAFORM®* 776
- *Flexible DURACON®* 777

Imperial (DP)
- *Steel* 778

Helical Racks & Pinions 779
- *Racks* 779
- *Pinions* 780

Metric and Imperial Mitre Gears 781

Metric (MOD)
- *Steel* 782
- *Stainless Steel* 787
- *Brass* 788
- *Acetal/DELRIN®* 789
- *Glass-Filled Nylon 6* 790
- *Moulded HOSTAFORM®* 791
- *Moulded DELRIN® 500* 792
- *Spiral (Steel)* 793

Imperial (DP)
- *Steel* 794
- *Nylon 6* 795
- *Brass* 795

Imperial and Metric Bevel Gears 796

Imperial (DP)
- *Steel* 797

Metric (MOD)
- *Steel* 798
- *Glass-Filled Nylon 6* 802
- *Moulded HOSTAFORM®* 804
- *Moulded DELRIN® 500* 806
- *Spiral Bevel (Steel)* 807

Worms and Wormwheels 809
- *Worms (Steel)* 810
- *Wormwheels (Bronze)* 811
- *Wormwheels (Cast Iron)* 814

Gearboxes 815



Gears and Racks

STRONGER TOGETHER

TransDev manufactures and supplies a complete range of standard gears, racks, worms and wormwheels.



Standard Gears and more

TransDev supplies a complete range of gear types, covering both metric and imperial pitches. Our stock of high quality components are manufactured according to relevant ISO or RMA standards and help ensure that performance is not compromised. If we don't stock it, or it is a special design, our Special Gear Manufacturing services can provide bespoke options, customisation, and reworking to your specific requirements.

Materials

- Aluminium
- Steel
- Stainless Steel
- Brass
- Cast Iron
- Plastics

Capacity

- Diameters: from 3mm (0.125") to 1 metre (39")
- Face widths: up to 196mm (7.5")

Rework of Gears

Reboring

- Up to 180mm H7 as standard
- Over 180mm - *please enquire*

Keywaying

- Up to 25mm JS9 rectangular parallel keyways as standard
- Over 25mm and special *- please enquire*

Tapped holes

- Up to M16 as standard
- Over M16 *- please enquire*





Visit transdev.co.uk to download a brochure

DRIVEFLEX

Our Gears Range

- Spur, Mitre and Bevel Gears
- Racks, Helical Racks & Pinions
- Worms and Wormwheels
- Metric and Imperial
- Wide range of materials including:
  - Steel
  - Stainless Steel,
  - Glass-Filled Nylon 6
  - Moulded HOSTAFORM®
  - Moulded DELRIN® 500
- Hard-wearing Polyketone now available
- Food grade gears

Custom Gears

Drawings will be necessary for gears with additional features, which can be manufactured to your requirements in all materials and to the highest tolerances. We can provide most quotations to drawing within 1 hour. Live work queues enable us to make real time changes, to assist your delivery requirements on existing orders in production. Our unparalled precision cutter range ensure optimum meshing, even in small gear sizes.



Spur gears & racks	
Metric MOD	Imperial DP
0.5MOD	32DP
0.7MOD	24DP
0.8MOD	20DP
1.0MOD	16DP
1.25MOD	12DP
1.5MOD	10DP
2.0MOD	8DP
2.5MOD	6DP
3.0MOD	4DP
4.0MOD	
5.0MOD	
6.0MOD	
8.0MOD	

Mitre gear sets	
Metric MOD	Imperial DP
0.5MOD	48DP
0.8MOD	32DP
1.0MOD	24DP
1.25MOD	20DP
1.5MOD	16DP
2.0MOD	12DP
2.5MOD	10DP
3.0MOD	8DP
3.5MOD	6DP
4.0MOD	4DP
4.5MOD	
5.0MOD	
6.0MOD	

Bevel gear sets
Metric MOD
0.5MOD
0.8MOD
1.0MOD
1.5MOD
2.0MOD
2.5MOD
3.0MOD
3.5MOD
4.0MOD
4.5MOD
5.0MOD

Spiral bevel gear sets
Metric MOD
1.5MOD
2.0MOD
2.5MOD
3.0MOD
4.0MOD
5.0MOD

Worm & wormwheel sets
Metric MOD
0.5MOD
0.75MOD
0.8MOD
1.0MOD
1.5MOD
2.0MOD
3.0MOD
4.0MOD
5.0MOD
6.0MOD

PULLEYS, SPROCKETS,
GEARS AND HARDWARE

DRIVEFLEX
DRIVELOCK TRANSLOCK

THE LEADER OF THE HARDWARE PACK

TransDev manufactures and supplies a complete range of standard pulleys, sprockets, gears and hardware.

Our stock of high quality components are manufactured according to relevant ISO or RMA standards and help ensure that performance is not compromised. If we don't stock it, or it is a special design, we can manufacture and rework to your specific requirements.

- **Timing belt pulleys**
- **Sprockets and Platewheels**
- **Universal joints**
- **Gears, Racks and Worms**
- **Bushes**
- **Couplings**
- **Collars**
- **Special manufacturing also available**



For **Hardware** see page 953

BELTS PULLEYS CHAIN SPROCKETS GEARS BEARINGS LINEAR HARDWARE PLASTICS

TransDev®
THE POWER IN MOTION

DRIVEFLEX

TransDev MANUFACTURING

Metric Spur Gears

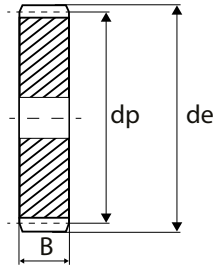


- DIN STANDARD
- EXTENSIVE RANGE
- HIGH QUALITY
- STEEL, STAINLESS STEEL AND PLASTIC AVAILABLE
- FULL TECHNICAL SUPPORT

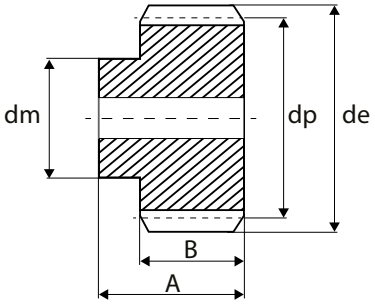
Metric Spur Gears in Steel 0.5 MOD, 20° P.A

DRIVEFLEX

Metric Spur



TYPE A



TYPE B

- Intermediate sizes and special gears to drawing, up to 1000mm diameter
- Standard to DIN 867, DIN 3962, DIN 3963, Grade/Quality 9 or Equivalent
- Standard tolerances, unless otherwise stated ±0.25mm
- All dimensions in mm
- Steel EN8, (080M40/080M46) or equivalent

Code	Type	No. teeth	Pitch Ø dp	Bore Ø H8	Hub/Boss Ø dm	Outside Ø de	O/A width A	Face width B
SSN05/10B**	B	10	5	2	7	6	12	5
SS05/12B	B	12	6	2	4	7	8	4
SSN05/12B**	B	12	6	3	8	7	12	5
SS05/15B	B	15	7.5	3	6	8.5	8	4
SSN05/15B**	B	15	7.5	4	9	8.5	12	5
SS05/16B	B	16	8	3	6	9	8	4
SS05/20B	B	20	10	3	8	11	8	4
SSN05/20B	B	20	10	4	9	11	9	4
SS05/24B	B	24	12	3	8	13	8	4
SS05/25B	B	25	12.5	4	10	13.5	8	4
SSN05/25B	B	25	12.5	4	9	13.5	9	4
SS05/30B	B	30	15	4	10	16	8	4
SSN05/30B	B	30	15	4	9	16	9	4
SS05/32B	B	32	16	4	12	17	8	4
SS05/35B	B	35	17.5	4	12	18.5	8	4
SSN05/35B	B	35	17.5	4	9	18.5	9	4
SS05/36B	B	36	18	4	12	19	8	4
SS05/40B	B	40	20	4	12	21	8	4
SSN05/40B	B	40	20	4	9	21	9	4
SS05/45B	B	45	22.5	5	15	23.5	8	4
SSN05/45B	B	45	22.5	4	10	23.5	9	4
SS05/48B	B	48	24	5	15	25	8	4
SS05/50B	B	50	25	5	15	26	8	4
SSN05/50B	B	50	25	4	10	26	9	4
SS05/55B	B	55	27.5	5	15	28.5	8	4
SS05/60B	B	60	30	5	20	31	8	4
SSN05/60B	B	60	30	4	10	31	9	4
SS05/64B	B	64	32	5	20	33	8	4
SS05/65B	B	65	32.5	5	20	33.5	8	4
SS05/70B	B	70	35	5	20	36	8	4
SS05/72B	B	72	36	5	20	37	8	4
SS05/75B	B	75	37.5	5	20	38.5	8	4
SS05/80B	B	80	40	5	20	41	8	4
SS05/90B	B	90	45	6	25	46	8	4
SS05/96B	B	96	48	6	25	49	8	4
SS05/100B	B	100	50	6	25	51	8	4
SS05/120B	B	120	60	6	25	61	8	4

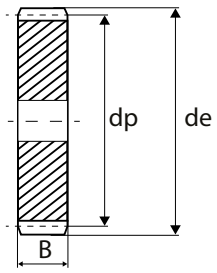
Please note: ** Gears SSN05/10B, SSN05/12B & SSN05/15B are hobbed type pinions and have cutter runout after the face width length
**SSN05/10B comes with 1 x M3 screw fitted. All other SSN05 gears come with 2 x M3 screws fitted at 180 degrees.
All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked gears please contact our Manufacturing Department for a quotation.

Metric Spur Gears in Steel 0.7 MOD, 20° P.A

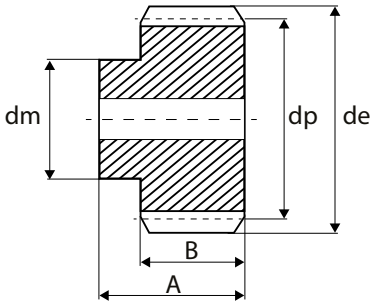
DRIVEFLEX

24 768

Metric Spur



TYPE A



TYPE B

- Intermediate sizes and special gears to drawing, up to 1000mm diameter
- Standard to DIN 867, DIN 3962, DIN 3963, Grade/Quality 9 or Equivalent
- Standard tolerances, unless otherwise stated ±0.25mm
- All dimensions in mm
- Steel EN8, (080M40/080M46) or equivalent

Code	Type	No. teeth	Pitch Ø dp	Bore Ø H8	Hub/Boss Ø dm	Outside Ø de	O/A width A	Face width B
SS07/12B	B	12	8.4	3	6	9.8	11	5
SS07/15B	B	15	10.5	3	8	11.9	11	5
SS07/16B	B	16	11.2	4	9	12.6	11	5
SS07/20B	B	20	14	4	10	15.4	11	5
SS07/24B	B	24	16.8	4	12	18.2	11	5
SS07/25B	B	25	17.5	4	15	18.9	11	5
SS07/30B	B	30	21	5	15	22.4	11	5
SS07/32B	B	32	22.4	5	15	23.8	11	5
SS07/35B	B	35	24.5	5	15	25.9	11	5
SS07/36B	B	36	25.2	5	15	26.6	11	5
SS07/40B	B	40	28	5	18	29.4	11	5
SS07/45B	B	45	31.5	6	18	32.9	11	5
SS07/48B	B	48	33.6	6	18	35	11	5
SS07/50B	B	50	35	6	18	36.4	11	5
SS07/55B	B	55	38.5	6	18	39.9	11	5
SS07/60B	B	60	42	6	18	43.4	11	5
SS07/64B	B	64	44.8	6	18	46.2	11	5
SS07/65B	B	65	45.5	6	18	46.9	11	5
SS07/70B	B	70	49	6	18	50.4	11	5
SS07/72B	B	72	50.4	6	20	51.8	11	5

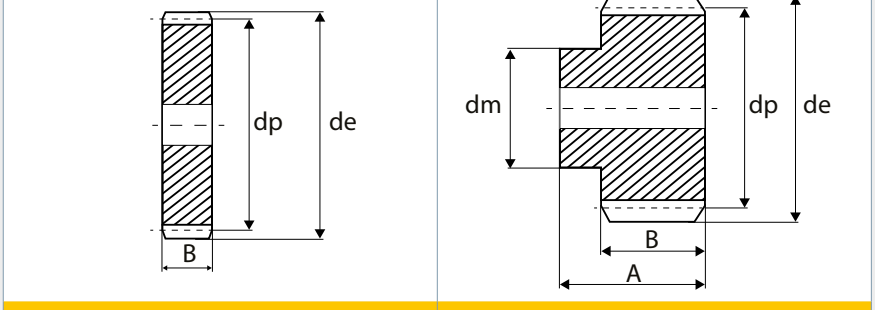
Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation. For special or reworked gears please contact our Manufacturing Department for a quotation.



Metric Spur Gears in Steel 0.8 MOD, 20° P.A

DRIVEFLEX

Metric Spur



TYPE A | TYPE B

- Intermediate sizes and special gears to drawing, up to 1000mm diameter
- Standard to DIN 867, DIN 3962, DIN 3963, Grade/Quality 9 or equivalent
- Standard tolerances, unless otherwise stated ±0.25mm
- All dimensions in mm
- Steel EN8, (080M40/080M46) or equivalent

Code	Type	No. teeth	Pitch Ø dp	Bore Ø H8	Hub/Boss Ø dm	Outside Ø de	O/A width A	Face width B
SS08/12B**	B	12	9.6	4	11.2	11.2	14	6
SS08/15B	B	15	12	4	9.6	13.6	14	6
SS08/16B	B	16	12.8	4	10	14.4	14	6
SS08/18B	B	18	14.4	5	12	16	14	6
SS08/20B	B	20	16	6	12	17.6	14	6
SS08/24B	B	24	19.2	6	12	20.8	14	6
SS08/25B	B	25	20	6	12	21.6	14	6
SS08/30B	B	30	24	6	12	25.6	14	6
SS08/32B	B	32	25.6	6	12	27.2	14	6
SS08/35B	B	35	28	8	19	29.6	14	6
SS08/40B	B	40	32	8	19	33.6	14	6
SS08/45B	B	45	36	8	19	37.6	14	6
SS08/50B	B	50	40	8	19	41.6	14	6
SS08/55B	B	55	44	8	19	45.6	14	6
SS08/60B	B	60	48	10	22	49.6	14	6
SS08/64B	B	64	51.2	10	22	52.8	14	6
SS08/65B	B	65	52	10	22	53.6	14	6
SS08/70B	B	70	56	10	22	57.6	14	6
SS08/75B	B	75	60	10	22	61.6	14	6
SS08/80B	B	80	64	10	22	65.6	14	6
SS08/90B	B	90	72	10	22	73.6	14	6
SS08/95B	B	95	76	10	22	77.6	14	6
SS08/96B	B	96	76.8	10	22	78.4	14	6
SS08/100B	B	100	80	10	26	81.6	14	6
SS08/120B	B	120	96	10	26	97.6	14	6

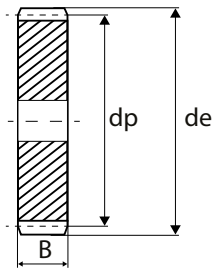
Please note: ** Gear SS08/12B is a hobbed type pinion and has cutter runout after the 6 mm face width. All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation. For special or reworked gears please contact our Manufacturing Department for a quotation.

Metric Spur Gears in Steel 1.0 MOD, 20° P.A

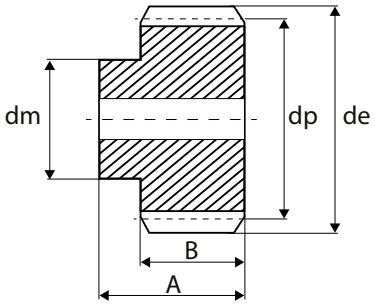
DRIVEFLEX

24 768

Metric Spur



TYPE A



TYPE B

- Intermediate sizes and special gears to drawing, up to 1000mm diameter
- Standard to DIN 867, DIN 3962, DIN 3963, Grade/Quality 9 or equivalent
- Standard tolerances, unless otherwise stated ±0.25mm
- All dimensions in mm
- Steel EN8, (080M40/080M46) or equivalent

Code	Type	No. teeth	Pitch Ø dp	Bore Ø H8	Hub/Boss Ø dm	Outside Ø de	O/A width A	Face width B
SSN10/10B*	B	10	10	6	12.5	12	11	5
SS10/12B	B	12	12	4/5/6	9	14	25	15
SSB10/12B**	B	12	12	6	14	14	30	10
SSN10/12B	B	12	12	6	14	14	11	5
SS10/13B	B	13	13	5/6	10	15	25	15
SS10/14B	B	14	14	5/6	10/11	16	25	15
SS10/15B	B	15	15	6	12	17	25	15
SSB10/15B**	B	15	15	8	17	17	30	10
SSN10/15B	B	15	15	6	14	17	11	5
SS10/16B	B	16	16	6	13	18	25	15
SSB10/16B**	B	16	16	8	18	18	30	10
SS10/17B	B	17	17	6/8	14	19	25	15
SS10/18B	B	18	18	8	15	20	25	15
SSB10/18B**	B	18	18	8	20	20	30	10
SS10/19B	B	19	19	8	15	21	25	15
SS10/20B	B	20	20	8	16	22	25	15
SSB10/20B**	B	20	20	8	16	22	20	10
SSN10/20B	B	20	20	6	14	22	11	5
SS10/21B	B	21	21	8	16	23	25	15
SS10/22B	B	22	22	8	16/18	24	25	15
SSB10/22B**	B	22	22	8	18	24	20	10
SS10/23B	B	23	23	8	18	25	25	15
SS10/24B	B	24	24	8/10	20	26	25	15
SSB10/24B**	B	24	24	8	20	26	20	10
SS10/25B	B	25	25	8/10	20	27	25	15
SSB10/25B**	B	25	25	8	20	27	20	10
SSN10/25B	B	25	25	6	14	27	11	5
SS10/26B	B	26	26	8/10	20	28	25	15

METRIC SPUR GEARS 1.0 MOD 20° p.a CONTINUED OVERLEAF

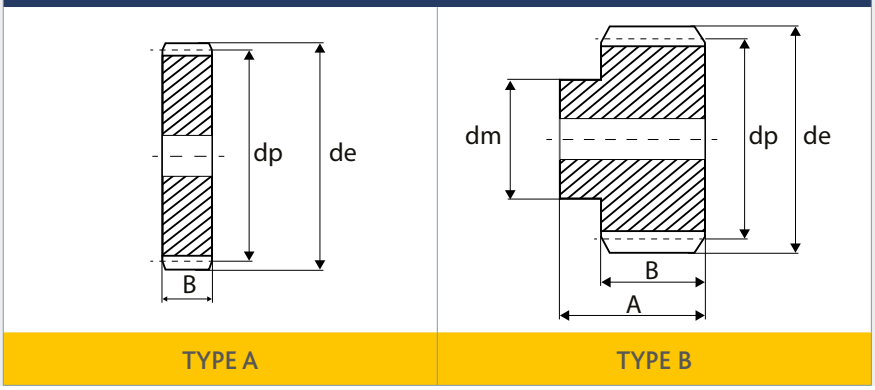
Please note: SSN10/10B & SSN10/12B are hobbed type pinons with cutter runout after the 5mm face width. SSN10/10B comes with 1 x M4 screw fitted. All other SSN10 gears come with 2 x M4 fitted at 180 degrees. SSB10/12B – SSB10/18B are hobbed type pinions with cutter runout after the 10 mm face width **SSB Gears have a black oxide finish.

All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation. For special or reworked gears please contact our Manufacturing Department for a quotation.

Metric Spur Gears in Steel 1.0 MOD, 20° P.A (continued)

DRIVEFLEX

Metric Spur



TYPE A | TYPE B

- Intermediate sizes and special gears to drawing, up to 1000mm diameter
- Standard to DIN 867, DIN 3962, DIN 3963, Grade/Quality 9 or Equivalent
- Standard tolerances, unless otherwise stated ±0.25mm
- All dimensions in mm
- Steel EN8, (080M40/080M46) or equivalent

Code	Type	No. teeth	Pitch Ø dp	Bore Ø H8	Hub/Boss Ø dm	Outside Ø de	O/A width A	Face width B
SSB10/26B**	B	26	26	8	22	28	20	10
SS10/27B	B	27	27	8/10	20	29	25	15
SS10/28B	B	28	28	8/10	20	30	25	15
SSB10/28B**	B	28	28	8	22	30	20	10
SS10/29B	B	29	29	8/10	20	31	25	15
SS10/30B	B	30	30	8/10	20	32	25	15
SSB10/30B**	B	30	30	10	25	32	20	10
SSN10/30B	B	30	30	6	14	32	11	5
SS10/31B	B	31	31	10	25	33	25	15
SS10/32B	B	32	32	10	25	34	25	15
SSB10/32B**	B	32	32	10	26	34	20	10
SS10/33B	B	33	33	10	25	35	25	15
SS10/34B	B	34	34	10	25	36	25	15
SS10/35B	B	35	35	10	25	37	25	15
SSN10/35B	B	35	35	6	14	37	11	5
SS10/36B	B	36	36	10	25	38	25	15
SSB10/36B**	B	36	36	10	28	38	20	10
SS10/37B	B	37	37	10	25	39	25	15
SS10/38B	B	38	38	10	25	40	25	15
SS10/39B	B	39	39	10	25	41	25	15
SS10/40B	B	40	40	10	25	42	25	15
SSB10/40B**	B	40	40	10	35	42	20	10
SSN10/40B	B	40	40	6	14	42	11	5
SS10/41B	B	41	41	10	30	43	25	15
SS10/42B	B	42	42	10	30	44	25	15
SS10/43B	B	43	43	10	30	45	25	15
SS10/44B	B	44	44	10	30	46	25	15
SSB10/44B**	B	44	44	10	35	46	20	10
SS10/45B	B	45	45	10	30	47	25	15
SS10/46B	B	46	46	10	30	48	25	15
SS10/47B	B	47	47	10	30	49	25	15
SS10/48B	B	48	48	10	30	50	25	15
SS10/49B	B	49	49	10	30	51	25	15
SS10/50B	B	50	50	12	30	52	25	15
SSB10/50B**	B	50	50	10	35	52	20	10

Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked gears please contact our Manufacturing Department for a quotation.

Metric Spur Gears in Steel 1.0 MOD, 20° P.A

DRIVEFLEX



Code	Type	No. teeth	Pitch Ø dp	Bore Ø H8	Hub/Boss Ø dm	Outside Ø de	O/A width A	Face width B
SSN10/50B	B	50	50	6	14	52	11	5
SS10/51B	B	51	51	12	40	53	25	15
SS10/52B	B	52	52	12	40	54	25	15
SS10/53B	B	53	53	12	40	55	25	15
SS10/54B	B	54	54	12	40	56	25	15
SS10/55B	B	55	55	12	40	57	25	15
SS10/56B	B	56	56	12	40	58	25	15
SS10/57B	B	57	57	12	40	59	25	15
SS10/58B	B	58	58	12	40	60	25	15
SS10/59B	B	59	59	12	40	61	25	15
SS10/60B	B	60	60	12	40	62	25	15
SSB10/60B**	B	60	60	10	35	62	20	10
SSN10/60B	B	60	60	6	14	62	11	5
SS10/60SPEC*	B	60	60	6	20	62	18	9
SS10/61B	B	61	61	12	50	63	25	15
SS10/62B	B	62	62	12	50	64	25	15
SS10/63B	B	63	63	12	50	65	25	15
SS10/64B	B	64	64	12	50	66	25	15
SS10/65B	B	65	65	12	50	67	25	15
SS10/66B	B	66	66	12	50	68	25	15
SS10/67B	B	67	67	12	50	69	25	15
SS10/68B	B	68	68	12	50	70	25	15
SS10/69B	B	69	69	12	50	71	25	15
SS10/70B	B	70	70	12	50	72	25	15
SS10/72B	B	72	72	12	40	74	25	15
SS10/75B	B	75	75	12	40	77	25	15
SS10/76B	B	76	76	12	50	78	25	15
SS10/80B	B	80	80	12	50	82	25	15
SSB10/80B**	B	80	80	10	40	82	20	10
SS10/85B	B	85	85	12	50	87	25	15
SS10/90B	B	90	90	12	50	92	25	15
SS10/95B	B	95	95	12	50	97	25	15
SS10/100B	B	100	100	12	60	102	25	15
SS10/110B	B	110	110	12	60	112	25	15
SS10/114B	B	114	114	12	60	116	25	15
SS10/120B	B	120	120	12	60	122	25	15
SS10/72A	A	72	72	12	-	74	-	15
SS10/75A	A	75	75	12	-	77	-	15
SS10/76A	A	76	76	12	-	78	-	15
SS10/80A	A	80	80	12	-	82	-	15
SS10/85A	A	85	85	12	-	87	-	15
SS10/90A	A	90	90	12	-	92	-	15
SS10/95A	A	95	95	12	-	97	-	15
SS10/100A	A	100	100	12	-	102	-	15
SS10/110A	A	110	110	12	-	112	-	15
SS10/114A	A	114	114	12	-	116	-	15
SS10/120A	A	120	120	12	-	122	-	15
SS10/127A	A	127	127	12	-	129	-	15

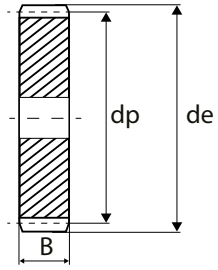
Please note: SSN10/10B & SSN10/12B are hobbed type pinons with cutter runout after the 5mm face width. SSN10/10B comes with 1 x M4 screw fitted. All other SSN10 gears come with 2 x M4 fitted at 180 degrees. SSB10/12B – SSB10/18B are hobbed type pinions with cutter runout after the 10 mm face width * Comes with 2 x M4 g/s holes in boss at 90 degrees **SSB Gears have a black oxide finish.

All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked gears please contact our Manufacturing Department for a quotation.

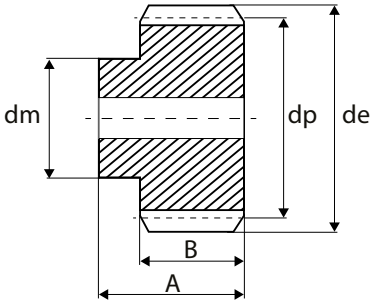
Metric Spur Gears in Steel 1.25 MOD, 20° P.A

DRIVEFLEX

Metric Spur



TYPE A



TYPE B

- Intermediate sizes and special gears to drawing, up to 1000mm diameter
- Standard to DIN 867, DIN 3962, DIN 3963, Grade/Quality 9 or equivalent
- Standard tolerances, unless otherwise stated ±0.25mm
- All dimensions in mm
- Steel EN8, (080M40/080M46) or equivalent

Code	Type	No. teeth	Pitch Ø dp	Bore Ø H8	Hub/Boss Ø dm	Outside Ø de	O/A width A	Face width B
SS12.5/12B	B	12	15	5	11.5	17.5	25	15
SS12.5/13B	B	13	16.25	5	12	18.75	25	15
SS12.5/14B	B	14	17.5	5	15	20	25	15
SS12.5/15B	B	15	18.75	5	15	21.25	25	15
SS12.5/16B	B	16	20	5	15	22.5	25	15
SS12.5/17B	B	17	21.25	5	15	23.75	25	15
SS12.5/18B	B	18	22.5	5	15	25	25	15
SS12.5/19B	B	19	23.75	6	18	26.25	25	15
SS12.5/20B	B	20	25	8	20	27.5	25	15
SS12.5/22B	B	22	27.5	8	20	30	25	15
SS12.5/24B	B	24	30	8	25	32.5	25	15
SS12.5/25B	B	25	31.25	8	25	33.75	25	15
SS12.5/26B	B	26	32.5	8	25	35	25	15
SS12.5/28B	B	28	35	8	25	37.5	25	15
SS12.5/30B	B	30	37.5	8	30	40	25	15
SS12.5/32B	B	32	40	8	30	42.5	25	15
SS12.5/35B	B	35	43.75	8	35	46.25	25	15
SS12.5/36B	B	36	45	8	35	47.5	25	15
SS12.5/40B	B	40	50	10	35	52.5	25	15
SS12.5/42B	B	42	52.5	10	40	55	25	15
SS12.5/45B	B	45	56.25	10	40	58.75	25	15
SS12.5/48B	B	48	60	10	40	62.5	25	15
SS12.5/50B	B	50	62.5	10	40	65	25	15
SS12.5/52B	B	52	65	10	40	67.5	25	15

Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked gears please contact our Manufacturing Department for a quotation.

Metric Spur Gears in Steel 1.25 MOD, 20° P.A



TransDev supplies a complete range of gear types, covering both metric and imperial pitches direct for stock. The standard stock range is further supplemented by our Special Gear Manufacturing. If we don't stock it or it is a special design we can manufacture and rework to your specific requirements. For further details contact our sales department.

Code	Type	No. teeth	Pitch Ø dp	Bore Ø H8	Hub/Boss Ø dm	Outside Ø de	O/A width A	Face width B
SS12.5/54B	B	54	67.5	10	40	70	25	15
SS12.5/55B	B	55	68.75	10	40	71.25	25	15
SS12.5/56B	B	56	70	10	40	72.5	25	15
SS12.5/60B	B	60	75	10	45	77.5	25	15
SS12.5/64B	B	64	80	10	45	82.5	25	15
SS12.5/65B	B	65	81.25	10	45	83.75	25	15
SS12.5/70B	B	70	87.5	10	50	90	25	15
SS12.5/72B	B	72	90	10	50	92.5	25	15
SS12.5/75B	B	75	93.75	10	50	96.25	25	15
SS12.5/76B	B	76	95	10	50	97.5	25	15
SS12.5/80B	B	80	100	10	50	102.5	25	15
SS12.5/85B	B	85	106.25	10	50	108.75	25	15
SS12.5/90B	B	90	112.5	10	50	115	25	15
SS12.5/100B	B	100	125	12	50	127.5	25	15
SS12.5/120B	B	120	150	12	50	152.5	25	15

Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked gears please contact our Manufacturing Department for a quotation.



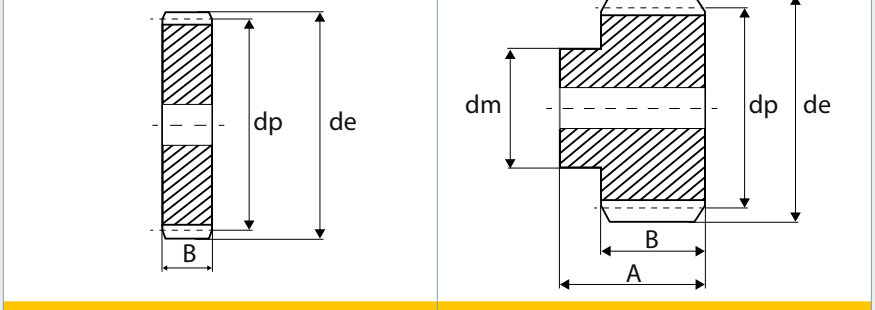
See **Metric Racks – Page 768**

Metric Spur Gears in Steel 1.5 MOD, 20° P.A

768

DRIVEFLEX

Metric Spur



TYPE A | TYPE B

- Intermediate sizes and special gears to drawing, up to 1000mm diameter
- Standard to DIN 867, DIN 3962, DIN 3963, Grade/Quality 9 or equivalent
- Standard tolerances, unless otherwise stated ±0.25mm
- All dimensions in mm
- Steel EN8, (080M40/080M46) or equivalent

Code	Type	No. teeth	Pitch Ø dp	Bore Ø H8	Hub/Boss Ø dm	Outside Ø de	O/A width A	Face width B
SS15/12B	B	12	18	8	14	21	30	17
SSB15/12B‡**	B	12	18	8	21	21	30	15
SS15/13B	B	13	19.5	8	14/15	22.5	30	17
SS15/14B	B	14	21	8	17/18	24	30	17
SS15/15B	B	15	22.5	8	18	25.5	30	17
SSB15/15B**	B	15	22.5	8	18	25.5	25	15
SS15/16B	B	16	24	8	19/20	27	30	17
SSB15/16B**	B	16	24	8	20	27	25	15
SS15/17B	B	17	25.5	8	20	28.5	30	17
SS15/18B	B	18	27	8	20	30	30	17
SSB15/18B**	B	18	27	8	22	30	25	15
SS15/19B	B	19	28.5	8	20	31.5	30	17
SS15/20B	B	20	30	8	25	33	30	17
SSB15/20B**	B	20	30	8	24	33	25	15
SS15/21B	B	21	31.5	10	25	34.5	30	17
SS15/22B	B	22	33	10	25	36	30	17
SS15/23B	B	23	34.5	10	25	37.5	30	17
SS15/24B	B	24	36	10	25	39	30	17
SSB15/24B**	B	24	36	8	28	39	25	15
SS15/25B	B	25	37.5	10	25	40.5	30	17
SS15/26B	B	26	39	12	30	42	30	17
SS15/27B	B	27	40.5	12	30	43.5	30	17
SS15/28B	B	28	42	12	30	45	30	17
SS15/29B	B	29	43.5	12	30	46.5	30	17
SS15/30B	B	30	45	12	30	48	30	17
SSB15/30B**	B	30	45	10	38	48	25	15
SS15/31B	B	31	46.5	12	35	49.5	30	17
SS15/32B	B	32	48	12	35	51	30	17
SSB15/32B**	B	32	48	10	40	51	25	15
SS15/33B	B	33	49.5	12	35	52.5	30	17
SS15/34B	B	34	51	12	35	54	30	17
SS15/35B	B	35	52.5	12	35	55.5	30	17
SS15/36B	B	36	54	12	35	57	30	17
SSB15/36B**	B	36	54	10	45	57	25	15
SS15/37B	B	37	55.5	12	40	58.5	30	17
SS15/38B	B	38	57	12	40	60	30	17
SS15/39B	B	39	58.5	12	40	61.5	30	17
SS15/40B	B	40	60	12	40	63	30	17

Please note: ‡SSB15/12B is a hobbed type pinion with cutter runout after the 15 mm face width. ** SSB Gears have black oxide finish. All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked gears please contact our Manufacturing Department for a quotation.

Metric Spur Gears in Steel 1.5 MOD, 20° P.A

DRIVEFLEX



Code	Type	No. teeth	Pitch Ø dp	Bore Ø H8	Hub/Boss Ø dm	Outside Ø de	O/A width A	Face width B
SSB15/40B**	B	40	60	12	45	63	25	15
SS15/41B	B	41	61.5	12/14	40/50	64.5	30	17
SS15/42B	B	42	63	12/14	50	66	30	17
SS15/43B	B	43	64.5	12/14	50	67.5	30	17
SS15/44B	B	44	66	12/14	50	69	30	17
SSB15/44B**	B	44	66	12	45	69	25	15
SS15/45B	B	45	67.5	12/14	50	70.5	30	17
SS15/46B	B	46	69	14	50	72	30	17
SS15/47B	B	47	70.5	14	50	73.5	30	17
SS15/48B	B	48	72	14	50	75	30	17
SS15/49B	B	49	73.5	14	50	76.5	30	17
SS15/50B	B	50	75	14	50	78	30	17
SSB15/50B**	B	50	75	12	45	78	25	15
SS15/51B	B	51	76.5	14/15	60	79.5	30	17
SS15/52B	B	52	78	14/15	60	81	30	17
SS15/53B	B	53	79.5	14/15	60	82.5	30	17
SS15/54B	B	54	81	14/15	60	84	30	17
SS15/55B	B	55	82.5	14/15	60	85.5	30	17
SS15/56B	B	56	84	15/16	60	87	30	17
SS15/57B	B	57	85.5	15/16	60	88.5	30	17
SS15/58B	B	58	87	15/16	60	90	30	17
SS15/59B	B	59	88.5	15/16	60	91.5	30	17
SS15/60B	B	60	90	15/16	60	93	30	17
SSB15/60B**	B	60	90	15	50	93	25	15
SS15/61B	B	61	91.5	16/20	70	94.5	30	17
SS15/62B	B	62	93	16/20	70	96	30	17
SS15/63B	B	63	94.5	16/20	70	97.5	30	17
SS15/64B	B	64	96	16/20	70	99	30	17
SS15/65B	B	65	97.5	16/20	70	100.5	30	17
SS15/66B	B	66	99	16/20	70	102	30	17
SS15/67B	B	67	100.5	16/20	70	103.5	30	17
SS15/68B	B	68	102	16/20	70	105	30	17
SS15/69B	B	69	103.5	16/20	70	106.5	30	17
SS15/70B	B	70	105	16/20	70	108	30	17
SS15/72B	B	72	108	15	60	111	35	17
SS15/75B	B	75	112.5	15	60	115.5	35	17
SS15/76B	B	76	114	15	60	117	35	17
SS15/80B	B	80	120	15	60	123	35	17
SSB15/80B**	B	80	120	15	60	123	25	15
SS15/85B	B	85	127.5	15	70	130.5	35	17
SS15/90B	B	90	135	15	70	138	35	17
SS15/95B	B	95	142.5	15	70	145.5	35	17
SS15/100B	B	100	150	20	70	153	35	17
SS15/110B	B	110	165	20	70	168	35	17
SS15/114B	B	114	171	20	70	174	35	17
SS15/120B	B	120	180	20	70	183	35	17
SS15/72A	A	72	108	16/20	-	111	-	17
SS15/75A	A	75	112.5	16/20	-	115.5	-	17
SS15/76A	A	76	114	16/20	-	117	-	17
SS15/80A	A	80	120	16/20	-	123	-	17
SS15/85A	A	85	127.5	16/20	-	130.5	-	17
SS15/90A	A	90	135	16/20	-	138	-	17
SS15/95A	A	95	142.5	16/20	-	145.5	-	17
SS15/100A	A	100	150	16/20	-	153	-	17
SS15/110A	A	110	165	16/20	-	168	-	17
SS15/114A	A	114	171	16/20	-	174	-	17
SS15/120A	A	120	180	16/20	-	183	-	17
SS15/127A	A	127	190.5	16/20	-	193.5	-	17

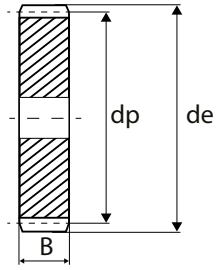
Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked gears please contact our Manufacturing Department for a quotation.

Metric Spur Gears in Steel 2.0 MOD, 20° P.A

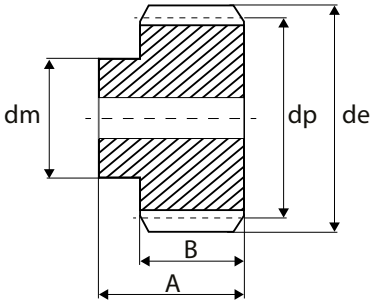
768

DRIVEFLEX

Metric Spur



TYPE A



TYPE B

- Intermediate sizes and special gears to drawing, up to 1000mm diameter
- Standard to DIN 867, DIN 3962, DIN 3963, Grade/Quality 9 or equivalent
- Standard tolerances, unless otherwise stated ±0.25mm
- All dimensions in mm
- Steel EN8, (080M40/080M46) or equivalent

Code	Type	No. teeth	Pitch Ø dp	Bore Ø H8	Hub/Boss Ø dm	Outside Ø de	O/A width A	Face width B
SS20/12B	B	12	24	10	18	28	35	20
SSB20/12B**	B	12	24	10	18	28	30	20
SS20/13B	B	13	26	10	19/20	30	35	20
SS20/14B	B	14	28	10	20/22	32	35	20
SS20/15B	B	15	30	10	22/24	34	35	20
SSB20/15B**	B	15	30	12	24	34	30	20
SS20/16B	B	16	32	10	24	36	35	20
SSB20/16B**	B	16	32	12	26	36	30	20
SS20/17B	B	17	34	10	25	38	35	20
SSB20/18B**	B	18	36	12	30	40	30	20
SS20/18B	B	18	36	10	25	40	35	20
SS20/19B	B	19	38	10	25	42	35	20
SS20/20B	B	20	40	10	30	44	35	20
SSB20/20B**	B	20	40	12	32	44	30	20
SS20/21B	B	21	42	12	30	46	35	20
SS20/22B	B	22	44	12	30	48	35	20
SS20/23B	B	23	46	12	30	50	35	20
SS20/24B	B	24	48	12	35	52	35	20
SSB20/24B**	B	24	48	12	38	52	30	20
SS20/25B	B	25	50	12	35	54	35	20
SS20/26B	B	26	52	12	40	56	35	20
SS20/27B	B	27	54	12	40	58	35	20
SS20/28B	B	28	56	12	40	60	35	20
SS20/29B	B	29	58	14	40	62	35	20
SS20/30B	B	30	60	14	40	64	35	20
SSB20/30B**	B	30	60	12	50	64	30	20
SS20/31B	B	31	62	14	45	66	35	20
SS20/32B	B	32	64	14	45	68	35	20
SSB20/32B**	B	32	64	12	50	68	30	20
SS20/33B	B	33	66	14	45	70	35	20
SS20/34B	B	34	68	14	45	72	35	20
SS20/35B	B	35	70	14	45	74	35	20
SS20/36B	B	36	72	14	45	76	35	20
SSB20/36B**	B	36	72	12	55	76	30	20
SS20/37B	B	37	74	14	50	78	35	20
SS20/38B	B	38	76	14	50	80	35	20
SS20/39B	B	39	78	14	50	82	35	20
SS20/40B	B	40	80	14	50	84	35	20
SSB20/40B**	B	40	80	15	55	84	30	20
SS20/41B	B	41	82	16	55/60	86	35	20

Please note: ** SSB Gears have black oxide finish. All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation. For special or reworked gears please contact our Manufacturing Department for a quotation.

Metric Spur Gears in Steel 2.0 MOD, 20° P.A

DRIVEFLEX



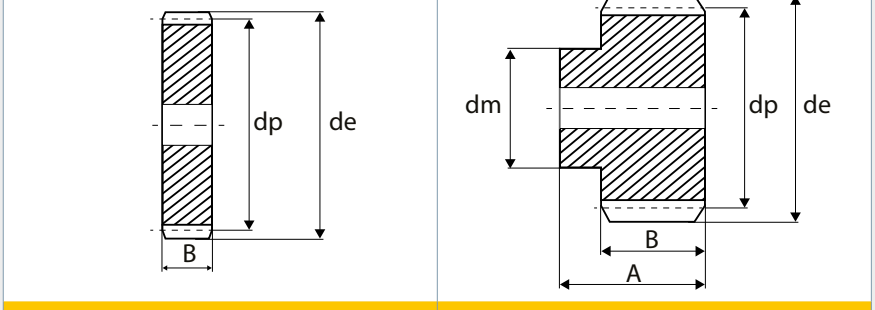
Code	Type	No. teeth	Pitch Ø dp	Bore Ø H8	Hub/Boss Ø dm	Outside Ø de	O/A width A	Face width B
SS20/42B	B	42	84	16	55/60	88	35	20
SS20/43B	B	43	86	16	55/60	90	35	20
SS20/44B	B	44	88	16	60	92	35	20
SSB20/44B**	B	44	88	15	55	92	30	20
SS20/45B	B	45	90	16	60	94	35	20
SS20/46B	B	46	92	16	60	96	35	20
SS20/47B	B	47	94	16	60/70	98	35	20
SS20/48B	B	48	96	16	70	100	35	20
SS20/49B	B	49	98	16	70	102	35	20
SS20/50B	B	50	100	16	70	104	35	20
SSB20/50B**	B	50	100	15	55	104	30	20
SS20/51B	B	51	102	16/20	70	106	35	20
SS20/52B	B	52	104	16/20	70	108	35	20
SS20/53B	B	53	106	16/20	70	110	35	20
SS20/54B	B	54	108	16/20	70	112	35	20
SS20/55B	B	55	110	16/20	70	114	35	20
SS20/56B	B	56	112	16/20	70	116	35	20
SS20/57B	B	57	114	16/20	70	118	35	20
SS20/58B	B	58	116	16/20	70	120	35	20
SS20/59B	B	59	118	16/20	70	122	35	20
SS20/60B	B	60	120	16/20	70	124	35	20
SSB20/60B**	B	60	120	15	60	124	30	20
SS20/61B	B	61	122	16/20	80	126	35	20
SS20/62B	B	62	124	16/20	80	128	35	20
SS20/63B	B	63	126	16/20	80	130	35	20
SS20/64B	B	64	128	16/20	80	132	35	20
SS20/65B	B	65	130	16/20	80	134	35	20
SS20/66B	B	66	132	16/20	80	136	35	20
SS20/67B	B	67	134	16/20	80	138	35	20
SS20/68B	B	68	136	16/20	80	140	35	20
SS20/69B	B	69	138	16/20	80	142	35	20
SS20/70B	B	70	140	16/20	80	144	35	20
SS20/72B	B	72	144	20	80	148	42	20
SS20/75B	B	75	150	20	80	154	42	20
SS20/76B	B	76	152	20	80	156	42	20
SS20/80B	B	80	160	20	85	164	42	20
SSB20/80B**	B	80	160	20	60	164	30	20
SS20/85B	B	85	170	20	85	174	42	20
SS20/90B	B	90	180	20	90	184	42	20
SS20/95B	B	95	190	20	90	194	42	20
SS20/100B	B	100	200	20	100	204	42	20
SS20/110B	B	110	220	20	100	224	42	20
SS20/114B	B	114	228	20	100	232	42	20
SS20/120B	B	120	240	20	100	244	42	20
SS20/72A	A	72	144	16/20	-	148	-	20
SS20/75A	A	75	150	20	-	154	-	20
SS20/76A	A	76	152	20	-	156	-	20
SS20/80A	A	80	160	20	-	164	-	20
SS20/85A	A	85	170	20	-	174	-	20
SS20/90A	A	90	180	20	-	184	-	20
SS20/95A	A	95	190	20	-	194	-	20
SS20/100A	A	100	200	20	-	204	-	20
SS20/110A	A	110	220	20	-	224	-	20
SS20/114A	A	114	228	20	-	232	-	20
SS20/120A	A	120	240	20	-	244	-	20
SS20/127A	A	127	254	20	-	258	-	20

Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked gears please contact our Manufacturing Department for a quotation.

Metric Spur Gears in Steel 2.5 MOD, 20° P.A

DRIVEFLEX

Metric Spur



TYPE A | TYPE B

- Intermediate sizes and special gears to drawing, up to 1000mm diameter
- Standard to DIN 867, DIN 3962, DIN 3963, Grade/Quality 9 or equivalent
- Standard tolerances, unless otherwise stated ±0.25mm
- All dimensions in mm
- Steel EN8, (080M40/080M46) or equivalent

Code	Type	No. teeth	Pitch Ø dp	Bore Ø H8	Hub/Boss Ø dm	Outside Ø de	O/A width A	Face width B
SS25/12B	B	12	30	10	22	35	40	25
SS25/13B	B	13	32.5	10	25	37.5	40	25
SS25/14B	B	14	35	10	28	40	40	25
SS25/15B	B	15	37.5	10	30	42.5	40	25
SS25/16B	B	16	40	12	32	45	40	25
SS25/17B	B	17	42.5	12	35	47.5	40	25
SS25/18B	B	18	45	12	35	50	40	25
SS25/19B	B	19	47.5	12	35	52.5	40	25
SS25/20B	B	20	50	12/14	40	55	40	25
SS25/21B	B	21	52.5	14	40	57.5	40	25
SS25/22B	B	22	55	14	45	60	40	25
SS25/23B	B	23	57.5	14	45	62.5	40	25
SS25/24B	B	24	60	14	45	65	40	25
SS25/25B	B	25	62.5	14	50	67.5	40	25
SS25/26B	B	26	65	14	50	70	40	25
SS25/27B	B	27	67.5	14	50	72.5	40	25
SS25/28B	B	28	70	14	50	75	40	25
SS25/29B	B	29	72.5	14	50	77.5	40	25
SS25/30B	B	30	75	14/16	55	80	40	25
SS25/31B	B	31	77.5	16	55	82.5	40	25
SS25/32B	B	32	80	16	55	85	40	25
SS25/33B	B	33	82.5	16	55	87.5	40	25
SS25/34B	B	34	85	16	55	90	40	25
SS25/35B	B	35	87.5	16	60	92.5	40	25
SS25/36B	B	36	90	16	60	95	40	25
SS25/37B	B	37	92.5	16	60	97.5	40	25
SS25/38B	B	38	95	16	60	100	40	25
SS25/39B	B	39	97.5	16	60	102.5	40	25
SS25/40B	B	40	100	16/20	70	105	40	25
SS25/41B	B	41	102.5	16/20	70	107.5	40	25
SS25/42B	B	42	105	16/20	70	110	40	25
SS25/43B	B	43	107.5	16/20	70	112.5	40	25

Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked gears please contact our Manufacturing Department for a quotation.

Metric Spur Gears in Steel 2.5 MOD, 20° P.A

DRIVEFLEX



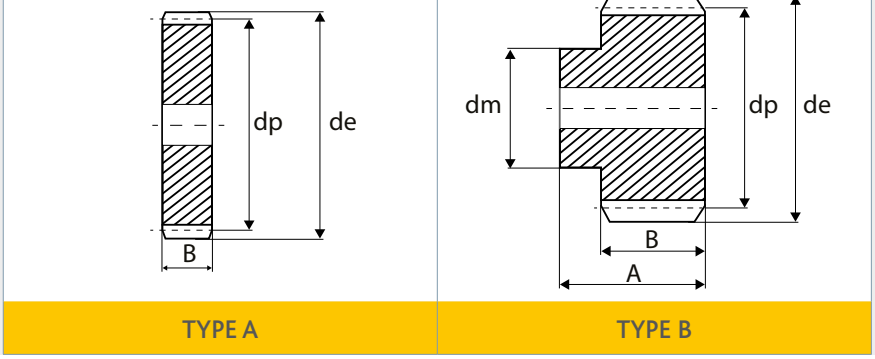
Code	Type	No. teeth	Pitch Ø dp	Bore Ø H8	Hub/Boss Ø dm	Outside Ø de	O/A width A	Face width B
SS25/44B	B	44	110	16/20	70	115	40	25
SS25/45B	B	45	112.5	16/20	70	117.5	40	25
SS25/46B	B	46	115	20	70	120	40	25
SS25/47B	B	47	117.5	20	80	122.5	40	25
SS25/48B	B	48	120	20	80	125	40	25
SS25/49B	B	49	122.5	20	80	127.5	40	25
SS25/50B	B	50	125	20	80	130	40	25
SS25/51B	B	51	127.5	20	80/90	132.5	40	25
SS25/52B	B	52	130	20	90	135	40	25
SS25/53B	B	53	132.5	20	90	137.5	40	25
SS25/54B	B	54	135	20	90	140	40	25
SS25/55B	B	55	137.5	20	90	142.5	40	25
SS25/56B	B	56	140	20	100	145	40	25
SS25/57B	B	57	142.5	20	100	147.5	40	25
SS25/58B	B	58	145	20	100	150	40	25
SS25/59B	B	59	147.5	20	100	152.5	40	25
SS25/60B	B	60	150	20	100	155	40	25
SS25/64B	B	64	160	20	70	165	47	25
SS25/65B	B	65	162.5	20	70	167.5	47	25
SS25/70B	B	70	175	20	80	180	47	25
SS25/72B	B	72	180	20	80	185	47	25
SS25/75B	B	75	187.5	20	90	192.5	47	25
SS25/76B	B	76	190	20	90	195	47	25
SS25/80B	B	80	200	25	100	205	47	25
SS25/85B	B	85	212.5	25	100	217.5	47	25
SS25/90B	B	90	225	25	100	230	47	25
SS25/95B	B	95	237.5	25	100	242.5	47	25
SS25/100B	B	100	250	25	120	255	47	25
SS25/110B	B	110	275	25	120	280	47	25
SS25/114B	B	114	285	25	120	290	47	25
SS25/120B	B	120	300	25	120	305	47	25
SS25/65A	A	65	162.5	20	-	167.5	-	25
SS25/70A	A	70	175	20	-	180	-	25
SS25/72A	A	72	180	20	-	185	-	25
SS25/75A	A	75	187.5	20	-	192.5	-	25
SS25/76A	A	76	190	20	-	195	-	25
SS25/80A	A	80	200	25	-	205	-	25
SS25/85A	A	85	212.5	25	-	217.5	-	25
SS25/90A	A	90	225	25	-	230	-	25
SS25/95A	A	95	237.5	25	-	242.5	-	25
SS25/100A	A	100	250	25	-	255	-	25
SS25/110A	A	110	275	25	-	280	-	25
SS25/114A	A	114	285	25	-	290	-	25
SS25/120A	A	120	300	25	-	305	-	25
SS25/127A	A	127	317.5	25	-	322.5	-	25

Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked gears please contact our Manufacturing Department for a quotation.

Metric Spur Gears in Steel 3.0 MOD, 20° P.A

DRIVEFLEX

Metric Spur



TYPE A | TYPE B

- Intermediate sizes and special gears to drawing, up to 1000mm diameter
- Standard to DIN 867, DIN 3962, DIN 3963, Grade/Quality 9 or equivalent
- Standard tolerances, unless otherwise stated ±0.25mm
- All dimensions in mm
- Steel EN8, (080M40/080M46) or equivalent

Code	Type	No. teeth	Pitch Ø dp	Bore Ø H8	Hub/Boss Ø dm	Outside Ø de	O/A width A	Face width B
SS30/12B	B	12	36	12	25/27	42	50	30
SS30/13B	B	13	39	12	25/30	45	50	30
SS30/14B	B	14	42	12	30/33	48	50	30
SS30/15B	B	15	45	12	35	51	50	30
SS30/16B	B	16	48	14/15	38	54	50	30
SS30/17B	B	17	51	14/15	42	57	50	30
SS30/18B	B	18	54	14/15	45	60	50	30
SS30/19B	B	19	57	14/15	45	63	50	30
SS30/20B	B	20	60	14/15	45	66	50	30
SS30/21B	B	21	63	15/16	45	69	50	30
SS30/22B	B	22	66	15/16	50	72	50	30
SS30/23B	B	23	69	15/16	50	75	50	30
SS30/24B	B	24	72	16	50	78	50	30
SS30/25B	B	25	75	16	60	81	50	30
SS30/26B	B	26	78	16	60	84	50	30
SS30/27B	B	27	81	16	60	87	50	30
SS30/28B	B	28	84	16	60	90	50	30
SS30/29B	B	29	87	16	60	93	50	30
SS30/30B	B	30	90	16	60	96	50	30
SS30/31B	B	31	93	16/20	60/70	99	50	30
SS30/32B	B	32	96	16/20	70	102	50	30
SS30/33B	B	33	99	16/20	70	105	50	30
SS30/34B	B	34	102	16/20	70	108	50	30
SS30/35B	B	35	105	16/20	70	111	50	30
SS30/36B	B	36	108	20	70	114	50	30
SS30/37B	B	37	111	20	70/80	117	50	30
SS30/38B	B	38	114	20	80	120	50	30
SS30/39B	B	39	117	20	80	123	50	30
SS30/40B	B	40	120	20	80	126	50	30

Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked gears please contact our Manufacturing Department for a quotation.

Metric Spur Gears in Steel 3.0 MOD, 20° P.A

DRIVEFLEX



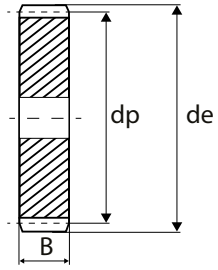
Code	Type	No. teeth	Pitch Ø dp	Bore Ø H8	Hub/Boss Ø dm	Outside Ø de	O/A width A	Face width B
SS30/41B	B	41	123	20	80/90	129	50	30
SS30/42B	B	42	126	20	80/90	132	50	30
SS30/43B	B	43	129	20	80/90	135	50	30
SS30/44B	B	44	132	20	90	138	50	30
SS30/45B	B	45	135	20	90	141	50	30
SS30/46B	B	46	138	20	90	144	50	30
SS30/47B	B	47	141	20	90/100	147	50	30
SS30/48B	B	48	144	20	100	150	50	30
SS30/50B	B	50	150	20	80	156	60	30
SS30/52B	B	52	156	20	80	162	60	30
SS30/55B	B	55	165	20	90	171	60	30
SS30/57B	B	57	171	20	90	177	60	30
SS30/60B	B	60	180	20	100	186	60	30
SS30/65B	B	65	195	20	100	201	60	30
SS30/70B	B	70	210	20	100	216	60	30
SS30/72B	B	72	216	20	100	222	60	30
SS30/75B	B	75	225	25	120	231	60	30
SS30/76B	B	76	228	25	120	234	60	30
SS30/80B	B	80	240	25	120	246	60	30
SS30/85B	B	85	255	25	120	261	60	30
SS30/90B	B	90	270	25	120	276	60	30
SS30/95B	B	95	285	25	150	291	60	30
SS30/100B	B	100	300	25	150	306	60	30
SS30/50A	A	50	150	20/25	-	156	-	30
SS30/52A	A	52	156	20/25	-	162	-	30
SS30/55A	A	55	165	20/25	-	171	-	30
SS30/57A	A	57	171	20/25	-	177	-	30
SS30/60A	A	60	180	20/25	-	186	-	30
SS30/65A	A	65	195	20/25	-	201	-	30
SS30/70A	A	70	210	25	-	216	-	30
SS30/72A	A	72	216	25	-	222	-	30
SS30/75A	A	75	225	25	-	231	-	30
SS30/76A	A	76	228	25	-	234	-	30
SS30/80A	A	80	240	25	-	246	-	30
SS30/85A	A	85	255	25	-	261	-	30
SS30/90A	A	90	270	25	-	276	-	30
SS30/95A	A	95	285	25	-	291	-	30
SS30/100A	A	100	300	25	-	306	-	30
SS30/110A	A	110	330	25	-	336	-	30
SS30/114A	A	114	342	25	-	348	-	30
SS30/120A	A	120	360	25	-	366	-	30
SS30/127A	A	127	381	25	-	387	-	30

Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked gears please contact our Manufacturing Department for a quotation.

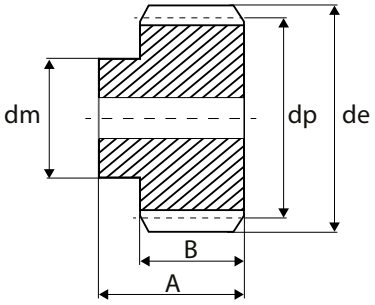
Metric Spur Gears in Steel 4.0 MOD, 20° P.A

DRIVEFLEX

Metric Spur



TYPE A



TYPE B

- Intermediate sizes and special gears to drawing, up to 1000mm diameter
- Standard to DIN 867, DIN 3962, DIN 3963, Grade/Quality 9 or equivalent
- Standard tolerances, unless otherwise stated ±0.25mm
- All dimensions in mm
- Steel EN8, (080M40/080M46) or equivalent

Code	Type	No. teeth	Pitch Ø dp	Bore Ø H8	Hub/Boss Ø dm	Outside Ø de	O/A width A	Face width B
SS40/12B	B	12	48	14	35	56	60	40
SS40/13B	B	13	52	14	40	60	60	40
SS40/14B	B	14	56	14	45	64	60	40
SS40/15B	B	15	60	14	45	68	60	40
SS40/16B	B	16	64	15/16	50	72	60	40
SS40/17B	B	17	68	15/16	50	76	60	40
SS40/18B	B	18	72	15/16	50	80	60	40
SS40/19B	B	19	76	15/16	60	84	60	40
SS40/20B	B	20	80	15/16	60	88	60	40
SS40/21B	B	21	84	16/20	70	92	60	40
SS40/22B	B	22	88	16/20	70	96	60	40
SS40/23B	B	23	92	20	75	100	60	40
SS40/24B	B	24	96	20	75	104	60	40
SS40/25B	B	25	100	20	75	108	60	40
SS40/26B	B	26	104	20	75	112	60	40
SS40/27B	B	27	108	20	75	116	60	40
SS40/28BSPEC	B	28	112	40	75	120	60	40
SS40/28B	B	28	112	20	75	120	60	40
SS40/29B	B	29	116	20	75	124	60	40
SS40/30B	B	30	120	20	75	128	60	40

Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked gears please contact our Manufacturing Department for a quotation.



See **Trapezoidal Screws – Page 1016**

Metric Spur Gears in Steel 4.0 MOD, 20° P.A

DRIVEFLEX



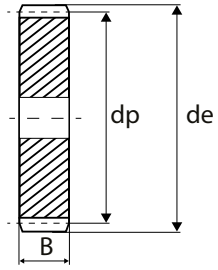
Code	Type	No. teeth	Pitch Ø dp	Bore Ø H8	Hub/Boss Ø dm	Outside Ø de	O/A width A	Face width B
SS40/31B	B	31	124	20	80	132	60	40
SS40/32B	B	32	128	20	80	136	60	40
SS40/33B	B	33	132	20	80	140	60	40
SS40/34B	B	34	136	20	80	144	60	40
SS40/35B	B	35	140	20	80	148	60	40
SS40/36B	B	36	144	20/25	80	152	60	40
SS40/38B	B	38	152	25	90	160	78	40
SS40/40B	B	40	160	25	90	168	78	40
SS40/45B	B	45	180	25	100	188	78	40
SS40/48B	B	48	192	25	100	200	78	40
SS40/50B	B	50	200	25	120	208	78	40
SS40/55B	B	55	220	25	120	228	78	40
SS40/60B	B	60	240	30	120	248	78	40
SS40/65B	B	65	260	30	140	268	78	40
SS40/70B	B	70	280	30	140	288	78	40
SS40/75B	B	75	300	30	150	308	78	40
SS40/80B	B	80	320	30	150	328	78	40
SS40/38A	A	38	152	25	-	160	-	40
SS40/40A	A	40	160	25	-	168	-	40
SS40/45A	A	45	180	25	-	188	-	40
SS40/48A	A	48	192	25	-	200	-	40
SS40/50A	A	50	200	25	-	208	-	40
SS40/52A	A	52	208	25	-	216	-	40
SS40/55A	A	55	220	25	-	228	-	40
SS40/57A	A	57	228	25	-	236	-	40
SS40/60A	A	60	240	25	-	248	-	40
SS40/65A	A	65	260	25	-	268	-	40
SS40/70A	A	70	280	25	-	288	-	40
SS40/75A	A	75	300	25	-	308	-	40
SS40/76A	A	76	304	25/30	-	312	-	40
SS40/80A	A	80	320	25/30	-	328	-	40
SS40/85A	A	85	340	25/30	-	348	-	40
SS40/90A	A	90	360	25/30	-	368	-	40
SS40/95A	A	95	380	25/30	-	388	-	40
SS40/100A	A	100	400	25/30	-	408	-	40
SS40/110A	A	110	440	25/30	-	448	-	40
SS40/114A	A	114	456	25/30	-	464	-	40

Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked gears please contact our Manufacturing Department for a quotation.

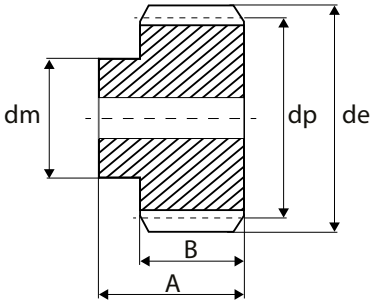
Metric Spur Gears in Steel 5.0 MOD, 20° P.A

DRIVEFLEX

Metric Spur



TYPE A



TYPE B

- Intermediate sizes and special gears to drawing, up to 1000mm diameter
- Standard to DIN 867, DIN 3962, DIN 3963, Grade/Quality 9 or equivalent
- Standard tolerances, unless otherwise stated ±0.25mm
- All dimensions in mm
- Steel EN8, (080M40/080M46) or equivalent

Code	Type	No. teeth	Pitch Ø dp	Bore Ø H8	Hub/Boss Ø dm	Outside Ø de	O/A width A	Face width B
SS50/12B	B	12	60	16/20	45	70	75	50
SS50/13B	B	13	65	16/20	50	75	75	50
SS50/14B	B	14	70	20	55	80	75	50
SS50/15B	B	15	75	20	60	85	75	50
SS50/16B	B	16	80	20	65	90	75	50
SS50/17B	B	17	85	20	70	95	75	50
SS50/18B	B	18	90	20	70	100	75	50
SS50/19B	B	19	95	20	70	105	75	50
SS50/20B	B	20	100	20	80	110	75	50
SS50/21B	B	21	105	20	80	115	75	50
SS50/22B	B	22	110	20/25	80	120	75	50
SS50/23B	B	23	115	20/25	90	125	75	50
SS50/24B	B	24	120	20/25	90	130	75	50
SS50/25B	B	25	125	20/25	90	135	75	50
SS50/26B	B	26	130	20/25	100	140	75	50
SS50/27B	B	27	135	20/25	100	145	75	50
SS50/28B	B	28	140	25	100	150	75	50
SS50/29B	B	29	145	25	100/110	155	75	50
SS50/30B	B	30	150	25	100/110	160	75	50
SS50/32B	B	32	160	25	110	170	75	50
SS50/36B	B	36	180	25	110	190	75	50
SS50/38B	B	38	190	30	110	200	75	50
SS50/40B	B	40	200	30	110	210	75	50
SS50/42B	B	42	210	25	120	220	75	50
SS50/55B	B	55	275	30	120	285	75	50
SS50/60B	B	60	300	30	120	310	75	50

Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked gears please contact our Manufacturing Department for a quotation.

Metric Spur Gears in Steel 5.0 MOD, 20° P.A



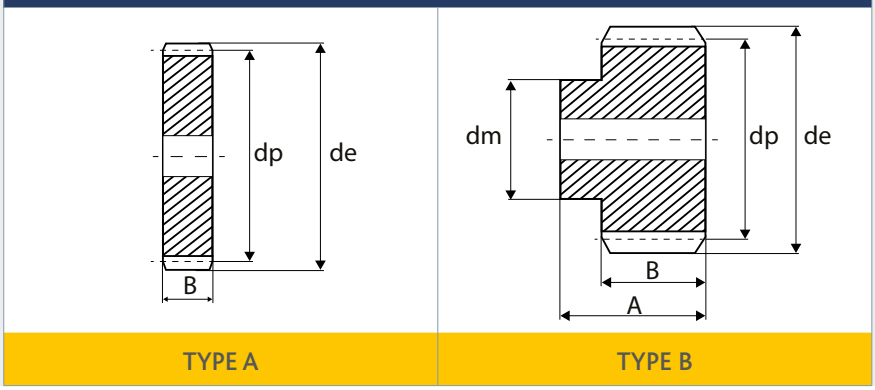
Code	Type	No. teeth	Pitch Ø dp	Bore Ø H8	Hub/Boss Ø dm	Outside Ø de	O/A width A	Face width B
SS50/32A	A	32	160	25	-	170	50	50
SS50/35A	A	35	175	25	-	185	50	50
SS50/38A	A	38	190	25/30	-	200	50	50
SS50/40A	A	40	200	25/30	-	210	50	50
SS50/45A	A	45	225	25/30	-	235	50	50
SS50/48A	A	48	240	25/30	-	250	50	50
SS50/50A	A	50	250	30	-	260	50	50
SS50/52A	A	52	260	30	-	270	50	50
SS50/55A	A	55	275	30	-	285	50	50
SS50/57A	A	57	285	30	-	295	50	50
SS50/60A	A	60	300	30	-	310	50	50
SS50/65A	A	65	325	30	-	335	50	50
SS50/70A	A	70	350	30	-	360	50	50
SS50/75A	A	75	375	30	-	385	50	50
SS50/76A	A	76	380	30	-	390	50	50
SS50/80A	A	80	400	30	-	410	50	50
SS50/85A	A	85	425	30	-	435	50	50
SS50/90A	A	90	450	30	-	460	50	50
SS50/95A	A	95	475	30	-	485	50	50
SS50/100A	A	100	500	30	-	510	50	50
SS50/110A	A	110	550	30	-	560	50	50
SS50/114A	A	114	570	30	-	580	50	50

Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked gears please contact our Manufacturing Department for a quotation.

Metric Spur Gears in Steel 6.0 MOD, 20° P.A

DRIVEFLEX

Metric Spur



TYPE A | TYPE B

- Intermediate sizes and special gears to drawing, up to 1000mm diameter
- Standard to DIN 867, DIN 3962, DIN 3963, Grade/Quality 9 or equivalent
- Standard tolerances, unless otherwise stated ±0.25mm
- All dimensions in mm
- Steel EN8, (080M40/080M46) or equivalent

Code	Type	No. teeth	Pitch Ø dp	Bore Ø H8	Hub/Boss Ø dm	Outside Ø de	O/A width A	Face width B
SS60/12B	B	12	72	16/20	54	84	80	60
SS60/13B	B	13	78	16/20	60	90	80	60
SS60/15B	B	15	90	20	70	102	80	60
SS60/16B	B	16	96	20	75	108	80	60
SS60/18B	B	18	108	20	80	120	80	60
SS60/20B	B	20	120	20	90	132	80	60
SS60/24B	B	24	144	25	110	156	80	60
SS60/25B	B	25	150	25	110	162	80	60
SS60/30B	B	30	180	25	140	192	80	60
SS60/40B	B	40	240	25	150	252	80	60
SS60/42B	B	42	252	25	150	264	80	60
SS60/45B	B	45	270	25	150	282	80	60
SS60/48B	B	48	288	25	170	300	80	60
SS60/50B	B	50	300	30	180	312	80	60
SS60/55B	B	55	330	30	180	342	80	60
SS60/56B	B	56	336	30	180	348	80	60
SS60/60B	B	60	360	40	180	372	80	60
SS60/28A	A	28	168	25	-	180	-	60
SS60/30A	A	30	180	25	-	192	-	60
SS60/32A	A	32	192	25	-	204	-	60
SS60/35A	A	35	210	25	-	222	-	60
SS60/38A	A	38	228	25	-	240	-	60
SS60/40A	A	40	240	25	–	252	–	60

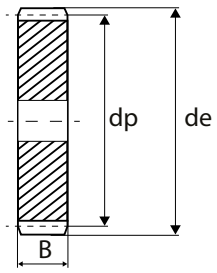
Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked gears please contact our Manufacturing Department for a quotation.

Metric Spur Gears in Steel 8.0 MOD, 20° P.A

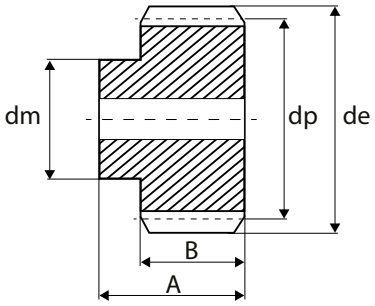
DRIVEFLEX

24 768

Metric Spur



TYPE A



TYPE B

- Intermediate sizes and special gears to drawing, up to 1000mm diameter
- Standard to DIN 867, DIN 3962, DIN 3963, Grade/Quality 9 or equivalent
- Standard tolerances, unless otherwise stated ±0.25mm
- All dimensions in mm
- Steel EN8, (080M40/080M46) or equivalent

Code	Type	No. teeth	Pitch Ø dp	Bore Ø H8	Hub/Boss Ø dm	Outside Ø de	O/A width A	Face width B
SS80/12B	B	12	96	25	75	112	110	80
SS80/15B	B	15	120	25	90	136	110	80
SS80/16B	B	16	128	25	100	144	110	80
SS80/18B	B	18	144	25	110	160	110	80
SS80/20B	B	20	160	25	120	176	110	80
SS80/24B	B	24	192	30	150	208	110	80
SS80/25B	B	25	200	30	150	216	110	80
SS80/28B	B	28	224	30	170	240	110	80
SS80/30B	B	30	240	30	175	256	110	80
SS80/36B	B	36	288	30	175	304	110	80
SS80/40B	B	40	320	30	175	336	110	80

Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked gears please contact our Manufacturing Department for a quotation.

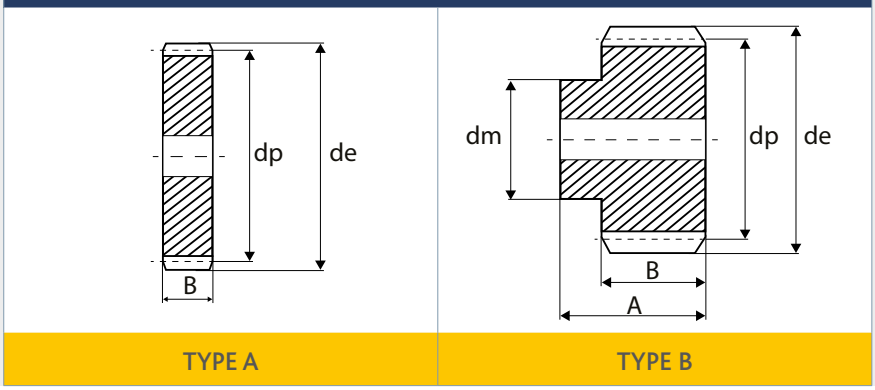


See Bevel Gears – Page 796

Metric Spur Gears in Stainless Steel 1.0 MOD, 20° P.A

DRIVEFLEX

Metric Spur



TYPE A | TYPE B

- Intermediate sizes and special gears to drawing, up to 1000mm diameter
- Standard to DIN 867, DIN 3962, DIN 3963, Grade/Quality 9 or equivalent
- Standard tolerances, unless otherwise stated ±0.25mm
- All dimensions in mm
- Stainless Steel AISI 303/304

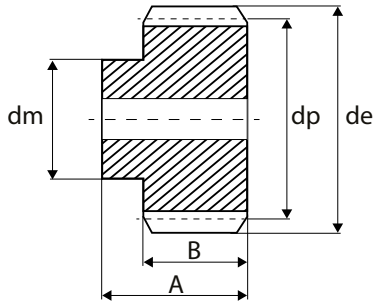
Code	Type	No. teeth	Pitch Ø dp	Bore Ø H8	Hub/Boss Ø dm	Outside Ø de	O/A width A	Face width B
STS10/12B	B	12	12	5	9	14	25	12
STS10/15B	B	15	15	6	12	17	25	12
STSN10/15B**	B	15	15	8	17	17	30	10
STS10/16B	B	16	16	6	13	18	25	12
STSN10/18B**	B	18	18	8	20	20	30	10
STS10/20B	B	20	20	6	16	22	25	12
STSN10/22B	B	22	22	8	18	24	20	10
STS10/24B	B	24	24	8	20	26	25	12
STSN10/24B	B	24	24	8	20	26	20	10
STS10/25B	B	25	25	8	20	27	25	12
STSN10/25B	B	25	25	8	20	27	20	10
STS10/30B	B	30	30	8	25	32	25	12
STSN10/30B	B	30	30	8	25	32	20	10
STS10/36B	B	36	36	8	25	38	25	12
STS10/40B	B	40	40	8	25	42	25	12
STSN10/40B	B	40	40	10	35	42	20	10
STS10/48B	B	48	48	8	30	50	25	12
STS10/50B	B	50	50	10	30	52	25	12
STSN10/50B	B	50	50	10	35	52	20	10
STSN10/56B	B	56	56	10	40	58	20	10
STS10/60B	B	60	60	10	40	62	25	12
STS10/70B	B	70	70	10	50	72	25	12
STS10/80B	B	80	80	10	50	82	25	12
STS10/90B	B	90	90	10	50	92	25	12
STS10/100B	B	100	100	10	50	102	25	15
STSN10/100B	B	100	100	12	60	102	20	10
STS10/120B	B	120	120	10	50	122	25	15
STSN10/120B	B	120	120	12	60	122	20	10
STS10/150B	B	150	150	10	50	152	25	15
STS10/150A	A	150	150	16	N/A	152	N/A	15

Please note: ** STSN10/15B, STSN10/18B are hobbed type pinions and have cutter runout after the 10mm face width.
All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked gears please contact our Manufacturing Department for a quotation.

Metric Spur Gears in Stainless Steel 1.25 & 1.5 MOD, 20° P.A

DRIVEFLEX

Metric Spur



TYPE B

- Intermediate sizes and special gears to drawing, up to 1000mm diameter
- Standard to DIN 867, DIN 3962, DIN 3963, Grade/Quality 9 or equivalent
- Standard tolerances, unless otherwise stated ±0.25mm
- All dimensions in mm
- Stainless Steel AISI 303/304

1.25 MOD

Code	Type	No. teeth	Pitch Ø dp	Bore Ø H8	Hub/Boss Ø dm	Outside Ø de	O/A width A	Face width B
STS12.5/12B*	B	12	15	8	17.5	17.5	20	8
STS12.5/24B*	B	24	30	8	15	32.5	20	8

1.5 MOD

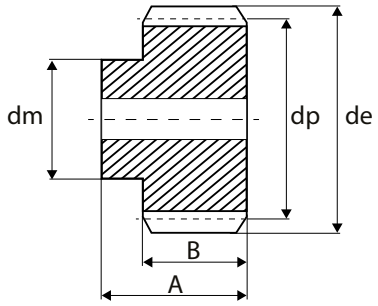
Code	Type	No. teeth	Pitch Ø dp	Bore Ø H8	Hub/Boss Ø dm	Outside Ø de	O/A width A	Face width B
STS15/12B	B	12	18	8	15	21	30	15
STS15/15B	B	15	22.5	8	18	25.5	30	15
STS15/16B	B	16	24	8	20	27	30	15
STS15/20B	B	20	30	8	24	33	30	15
STS15/24B	B	24	36	8	25	39	30	15
STS15/25B	B	25	37.5	8	25	40.5	30	15
STS15/30B	B	30	45	10	30	48	30	15
STS15/36B	B	36	54	10	40	57	30	15
STS15/40B	B	40	60	10	40	63	30	15
STS15/45B	B	45	67.5	10	40	70.5	30	15
STS15/48B	B	48	72	12	50	75	30	15
STS15/50B	B	50	75	12	50	78	30	15
STS15/60B	B	60	90	12	60	93	30	15
STS15/70B	B	70	105	12	60	108	30	15
STS15/80B	B	80	120	15	60	123	30	15
STS15/90B	B	90	135	15	60	138	30	15
STS15/100B	B	100	150	15	70	153	30	15

Please note: * STS12.5/12B is a hobbed type pinion with 8mm face width , then cutter runout. Both STS12.5/12B and /24B come with 3 mm fixing /cross hole through the boss. All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked gears please contact our Manufacturing Department for a quotation.

Metric Spur Gears in Stainless Steel 2 MOD, 20° P.A

DRIVEFLEX

Metric Spur



TYPE B

- Intermediate sizes and special gears to drawing, up to 1000mm diameter
- Standard to DIN 867, DIN 3962, DIN 3963, Grade/Quality 9 or equivalent
- Standard tolerances, unless otherwise stated ±0.25mm
- All dimensions in mm
- Stainless Steel AISI 303/304

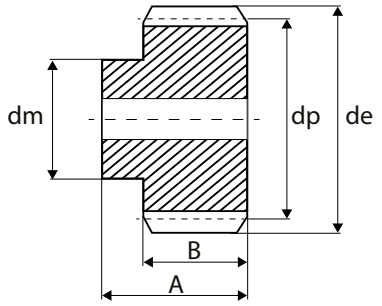
Code	Type	No. teeth	Pitch Ø dp	Bore Ø H8	Hub/Boss Ø dm	Outside Ø de	O/A width A	Face width B
STS20/12B	B	12	24	8	18	28	35	20
STS20/15B	B	15	30	8	25	34	35	20
STS20/16B	B	16	32	8	25	36	35	20
STS20/20B	B	20	40	10	30	44	35	20
STS20/24B	B	24	48	10	35	52	35	20
STS20/25B	B	25	50	10	35	54	35	20
STS20/30B	B	30	60	10	40	64	35	20
STS20/36B	B	36	72	10	40	76	35	20
STS20/40B	B	40	80	10	50	84	35	20
STS20/48B	B	48	96	10	60	100	35	20
STS20/50B	B	50	100	10	80	104	35	20
STS20/60B	B	60	120	10	80	124	35	20

Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked gears please contact our Manufacturing Department for a quotation.

Metric Spur Gears in Stainless Steel 2.5 MOD, 20° P.A

DRIVEFLEX

Metric Spur



TYPE B

- Intermediate sizes and special gears to drawing, up to 1000mm diameter
- Standard to DIN 867, DIN 3962, DIN 3963, Grade/Quality 9 or equivalent
- Standard tolerances, unless otherwise stated ±0.25mm
- All dimensions in mm
- Stainless Steel AISI 303/304

Code	Type	No. teeth	Pitch Ø dp	Bore Ø H8	Hub/Boss Ø dm	Outside Ø de	O/A width A	Face width B
STS25/12B	B	12	30	10	23	35	40	25
STS25/15B	B	15	37.5	10	30	42.5	40	25
STS25/16B	B	16	40	10	32	45	40	25
STS25/20B	B	20	50	12	40	55	40	25
STS25/24B	B	24	60	12	45	65	40	25
STS25/25B	B	25	62.5	12	50	67.5	40	25
STS25/30B	B	30	75	14	55	80	40	25
STS25/36B	B	36	90	15	60	95	40	25
STS25/40B	B	40	100	15	70	105	40	25
STS25/48B	B	48	120	16	80	125	40	25
STS25/50B	B	50	125	16	80	130	40	25
STS25/60B	B	60	150	20	100	155	40	25

Please note: *Come with 8 mm wide keyway and G/S holes All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation. For special or reworked gears please contact our Manufacturing Department for a quotation.



See Mitre Gears – Page 781

HIGH QUALITY
TIMING BELTS

BRECO® TIMING BELTS

BRECO flex® TIMING BELTS

HOWEVER THEY DRESS IT UP.
IT'S JUST NOT BRECO®

What is the true cost of a belt failure?



Belt failure is a major cause of unwanted cost to many businesses, so choosing the right belt is more than just about the initial purchase price.

Substituting high quality belts, such as BRECO®, for alternatives that under-perform or fail at critical moments, can turn small belt purchase savings into considerable losses, in a matter of minutes.

BRECO® and BRECOFLEX® timing belts are developed by the most innovative producer in the field of polyurethane timing belt technology worldwide.

When it comes to BRECO® belts we believe that there is no substitute for the real thing. We are proud that thousands of businesses around the world rely on BRECO® quality.

To all those businesses that have chosen BRECO® we say *'Thank you'*.

If you have yet to discover what BRECO® can save you then we invite you to experience the difference at
www.transdev.co.uk/breco



BRECO® *Keeps You Moving*



Accept no substitutes. For true value it has to be BRECO®

For **BRECO®** see page 22

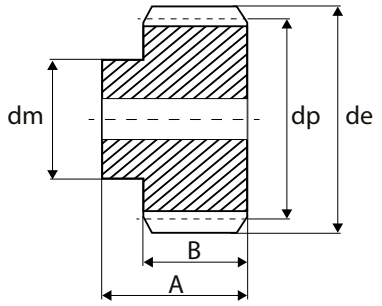
BELTS PULLEYS CHAIN SPROCKETS GEARS BEARINGS LINEAR HARDWARE PLASTICS

TransDev®
THE POWER IN MOTION

Metric Spur Gears in Stainless Steel 3 & 4 MOD, 20° P.A

DRIVEFLEX

Metric Spur



TYPE B

- Intermediate sizes and special gears to drawing, up to 1000mm diameter
- Standard to DIN 867, DIN 3962, DIN 3963, Grade/Quality 9 or equivalent
- Standard tolerances, unless otherwise stated ±0.25mm
- All dimensions in mm
- Stainless Steel AISI 303/304

3 MOD

Code	Type	No. teeth	Pitch Ø dp	Bore Ø H8	Hub/Boss Ø dm	Outside Ø de	O/A width A	Face width B
STS30/12B	B	12	36	12	20	42	50	30
STS30/15B	B	15	45	12	25	51	50	30
STS30/16B	B	16	48	12	35	54	50	30
STS30/20B	B	20	60	15	40	66	50	30
STS30/24B	B	24	72	15	45	78	50	30
STS30/25B	B	25	75	15	50	81	50	30
STS30/30B	B	30	90	15	50	96	50	30
STS30/36B	B	36	108	15	60	114	50	30
STS30/40B	B	40	120	20	60	126	50	30
STS30/48B	B	48	144	20	70	150	50	30
STS30/50B	B	50	150	20	80	156	50	30
STS30/60B	B	60	180	20	80	186	50	30

4 MOD

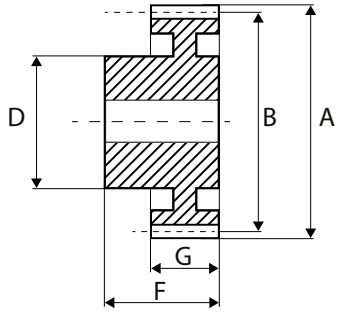
Code	Type	No. teeth	Pitch Ø dp	Bore Ø H8	Hub/Boss Ø dm	Outside Ø de	O/A width A	Face width B
STS40/12B	B	12	48	12	35	56	60	40
STS40/15B	B	15	60	14	48	68	60	40
STS40/16B	B	16	64	15	50	72	60	40
STS40/20B	B	20	80	15	60	88	60	40
STS40/24B	B	24	96	16	75	104	60	40
STS40/25B	B	25	100	16	75	108	60	40
STS40/28B*	B	28	112	30	80	120	60	40
STS40/30B	B	30	120	20	80	128	60	40
STS40/36B	B	36	144	20	80	152	60	40
STS40/40B*	B	40	160	30	80	168	60	40
STS40/44B*	B	44	176	30	80	184	60	40

*Come with 8 mm wide keyway and G/S holes. If the required bore and/or hub/boss size is critical please specify when ordering, as some parts may show different size options. All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation. For special or reworked gears please contact our Manufacturing Department for a quotation.

Metric Spur Gears in 30% Glass-Filled Nylon 6, 1.0 MOD, 20° P.A

DRIVEFLEX

Metric Spur



30% Glass Filled Nylon 6

- Intermediate sizes and special gears to drawing (tooling charges may apply)
- Bore unmachined typically 0.5-1mm undersize
- Standard tolerances, unless otherwise stated ±0.25mm
- Max recommended working temperature 130°C
- All dimensions in mm
- Moulded Nylon 6 (PA6), 30% Glass filled
- Also available in Blue Glass filled Nylon food grade material

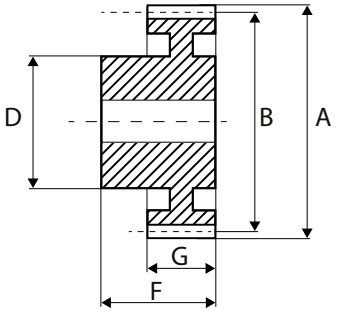
Code	No. teeth	Pitch Ø B	Pre-bore (rough)	Hub/Boss Ø D	Outside Ø A	O/A width F	Face width G
PS10/12B	12	12	4	9	14	25	15
PS10/13B	13	13	4	10	15	25	15
PS10/14B	14	14	4	10	16	25	15
PS10/15B	15	15	4	10	17	25	15
PS10/16B	16	16	5	13	18	25	15
PS10/17B	17	17	5	14	19	25	15
PS10/18B	18	18	5	14	20	25	15
PS10/19B	19	19	5	14/16*	21	25	15
PS10/20B	20	20	5	16	22	25	15
PS10/21B	21	21	5 / 6*	16/18*	23	25	15
PS10/22B	22	22	5 / 6*	18	24	25	15
PS10/23B	23	23	6	18	25	25	15
PS10/24B	24	24	6	20	26	25	15
PS10/25B	25	25	6	20	27	25	15
PS10/26B	26	26	6	22	28	25	15
PS10/27B	27	27	6	22	29	25	15
PS10/28B	28	28	6	22	30	25	15
PS10/29B	29	29	6	25	31	25	15
PS10/30B	30	30	6	25	32	25	15
PS10/32B	32	32	6	25	34	25	15
PS10/35B	35	35	8	30	37	25	15
PS10/36B	36	36	8	30	38	25	15
PS10/38B	38	38	8	30	40	25	15
PS10/39B	39	39	8	30	41	25	15
PS10/40B	40	40	8	30	42	25	15
PS10/41B	41	41	8	30	43	25	15
PS10/42B	42	42	10	35	44	25	15
PS10/44B	44	44	10	35	46	25	15
PS10/45B	45	45	10	35	47	25	15
PS10/47B	47	47	10	35	49	25	15
PS10/48B	48	48	10	35	50	25	15
PS10/50B	50	50	10	35	52	25	15
PS10/52B	52	52	14	35	54	25	15
PS10/55B	55	55	14	35	57	25	15
PS10/58B	58	58	14	35	60	25	15
PS10/60B	60	60	14	40	62	25	15
PS10/64B	64	64	14	40	66	25	15
PS10/70B	70	70	20	40	72	25	15
PS10/75B	75	75	20	50	77	25	15
PS10/80B	80	80	20	50	82	25	15
PS10/95B	95	95	20	50	97	25	15
PS10/110B	110	110	20	50	112	25	15

Please note: It is recommended that when the bores in "PS" Moulded Spur Gears are machined they are machined to the bore size stated or very close to the catalogue size. Boring these gears to a much larger bore diameter could increase the possibility of discovering small voids or cavities in this area. All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation. For special or reworked gears please contact our Manufacturing Department for a quotation. * Spur gears with bore or hub dimensions marked * will be discontinued when stocks are depleted.

Metric Spur Gears in 30% Glass-Filled Nylon 6, 1.5 MOD, 20° P.A

DRIVEFLEX

Metric Spur



30% Glass Filled Nylon 6

- Intermediate sizes and special gears to drawing (tooling charges may apply)
- Bore unmachined typically 0.5-1mm undersize
- Standard tolerances, unless otherwise stated ±0.25mm
- Max recommended working temperature 130°C
- All dimensions in mm
- Moulded Nylon 6 (PA6), 30% Glass filled
- Also available in Blue Glass filled Nylon food grade material

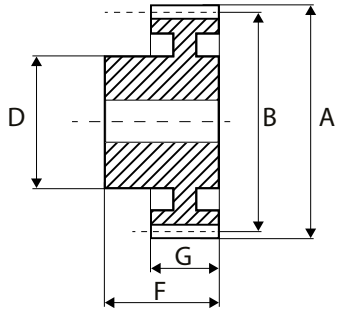
Code	No. teeth	Pitch Ø B	Pre-bore (rough)	Hub/Boss Ø D	Outside Ø A	O/A width F	Face width G
PS15/12B	12	18	5	14	21	30	17
PS15/13B	13	19.5	5	16	22.5	30	17
PS15/14B	14	21	5	16	24	30	17
PS15/15B	15	22.5	5	18	25.5	30	17
PS15/16B	16	24	5	18	27	30	17
PS15/17B	17	25.5	5* / 6	18*/20	28.5	30	17
PS15/18B	18	27	5* / 6	18*/20	30	30	17
PS15/19B	19	28.5	8	20/25*	31.5	30	17
PS15/20B	20	30	8	25	33	30	17
PS15/21B	21	31.5	8	25	34.5	30	17
PS15/22B	22	33	8	28	36	30	17
PS15/23B	23	34.5	8	28	37.5	30	17
PS15/24B	24	36	8	28	39	30	17
PS15/25B	25	37.5	8	30	40.5	30	17
PS15/26B	26	39	8	30	42	30	17
PS15/27B	27	40.5	8	30	43.5	30	17
PS15/28B	28	42	8	30	45	30	17
PS15/30B	30	45	12	35	48	30	17
PS15/32B	32	48	12	35	51	30	17
PS15/35B	35	52.5	12	35	55.5	30	17
PS15/36B	36	54	12/16*	35	57	30	17
PS15/38B	38	57	16	35	60	30	17
PS15/40B	40	60	16	40	63	30	17
PS15/42B	42	63	16	45	66	30	17
PS15/44B	44	66	16	45	69	30	17
PS15/45B	45	67.5	16	45	70.5	30	17
PS15/46B	46	69	16	45	72	30	17
PS15/48B	48	72	16	45	75	30	17
PS15/50B	50	75	16	45	78	30	17
PS15/52B	52	78	20	50	81	30	17
PS15/54B	54	81	20	50	84	30	17
PS15/55B	55	82.5	20	50	85.5	30	17
PS15/60B	60	90	20	55/60*	93	30	17
PS15/65B	65	97.5	20	60	100.5	30	17
PS15/70B	70	105	20	60	108	30	17
PS15/75B	75	112.5	20	60	115.5	30	17
PS15/104B	104	156	20/25*	60	159	30	17

Please note: It is recommended that when the bores in "PS" Moulded Spur Gears are machined they are machined to the bore size stated or very close to the catalogue size. Boring these gears to a much larger bore diameter could increase the possibility of discovering small voids or cavities in this area. All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation. For special or reworked gears please contact our Manufacturing Department for a quotation. * Spur gears with bore or hub dimensions marked * will be discontinued when stocks are depleted.

Metric Spur Gears in 30% Glass-Filled Nylon 6, 2.0 MOD, 20° P.A

DRIVEFLEX

Metric Spur



30% Glass Filled Nylon 6

- Intermediate sizes and special gears to drawing (tooling charges may apply)
- Bore unmachined typically 0.5-1mm undersize
- Standard tolerances, unless otherwise stated ±0.25mm
- Max recommended working temperature 130°C
- All dimensions in mm
- Moulded Nylon 6 (PA6), 30% Glass filled
- Also available in Blue Glass filled Nylon food grade material

Code	No. teeth	Pitch Ø B	Pre-bore (rough)	Hub/Boss Ø D	Outside Ø A	O/A width F	Face width G
PS20/12B	12	24	8	18	28	35	20
PS20/13B	13	26	8	18	30	35	20
PS20/14B	14	28	8	20	32	35	20
PS20/15B	15	30	8	22	34	35	20
PS20/16B	16	32	8	25	36	35	20
PS20/17B	17	34	8	25	38	35	20
PS20/18B	18	36	10	30	40	35	20
PS20/19B	19	38	10	30	42	35	20
PS20/20B	20	40	10	30	44	35	20
PS20/21B	21	42	10	30	46	35	20
PS20/22B	22	44	10	30	48	35	20
PS20/23B	23	46	10	35	50	35	20
PS20/24B	24	48	10	35	52	35	20
PS20/25B	25	50	10	35	54	35	20
PS20/26B	26	52	14	40	56	35	20
PS20/27B	27	54	14	40	58	35	20
PS20/28B	28	56	14	40	60	35	20
PS20/29B	29	58	14	40	62	35	20
PS20/30B	30	60	14	40	64	35	20
PS20/31B	31	62	14	40	66	35	20
PS20/32B	32	64	16	45	68	35	20
PS20/33B	33	66	16	45	70	35	20
PS20/34B	34	68	16	45	72	35	20
PS20/35B	35	70	16	45	74	35	20
PS20/36B	36	72	16	50	76	35	20
PS20/37B	37	74	16	50	78	35	20
PS20/38B	38	76	16	50	80	35	20
PS20/39B	39	78	16	50	82	35	20
PS20/40B	40	80	16	50*/55	84	35	20

Please note: It is recommended that when the bores in "PS" Moulded Spur Gears are machined they are machined to the bore size stated or very close to the catalogue size. Boring these gears to a much larger bore diameter could increase the possibility of discovering small voids or cavities in this area. All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation. For special or reworked gears please contact our Manufacturing Department for a quotation. * Spur gears with bore or hub dimensions marked * will be discontinued when stocks are depleted.

Metric Spur Gears in 30% Glass-Filled Nylon 6, 2.0 MOD, 20° P.A



30% Glass-Filled Nylon 6: The addition of glass fibres to Nylon 6 increases tensile strength, stiffness, compression strength and a lower thermal expansion coefficient over conventionally unfilled grades. Glass-filled Nylon offers better strength than general purpose Nylon.

Code	No. teeth	Pitch Ø B	Pre-bore (rough)	Hub/Boss Ø D	Outside Ø A	O/A width F	Face width G
PS20/41B	41	82	16	55/60*	86	35	20
PS20/42B	42	84	16	55/60*	88	35	20
PS20/43B	43	86	16	55/60*	90	35	20
PS20/44B	44	88	16	60	92	35	20
PS20/45B	45	90	16	60	94	35	20
PS20/46B	46	92	16	60	96	35	20
PS20/47B	47	94	16	60	98	35	20
PS20/48B	48	96	16	60	100	35	20
PS20/49B	49	98	16	60	102	35	20
PS20/50B	50	100	20	60	104	35	20
PS20/51B	51	102	20	60	106	35	20
PS20/52B	52	104	20	60	108	35	20
PS20/53B	53	106	20	60	110	35	20
PS20/54B	54	108	20	60	112	35	20
PS20/55B	55	110	20	60	114	35	20
PS20/56B	56	112	20	60	116	35	20
PS20/57B	57	114	20	60	118	35	20
PS20/58B	58	116	20	60	120	35	20
PS20/59B	59	118	20	60	122	35	20
PS20/60B	60	120	20	60	124	35	20

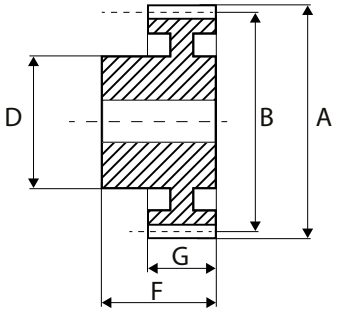
Please note: It is recommended that when the bores in "PS" Moulded Spur Gears are machined they are machined to the bore size stated or very close to the catalogue size. Boring these gears to a much larger bore diameter could increase the possibility of discovering small voids or cavities in this area. All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation. For special or reworked gears please contact our Manufacturing Department for a quotation. * Spur gears with bore or hub dimensions marked * will be discontinued when stocks are depleted.



Metric Spur Gears in 30% Glass-Filled Nylon 6, 2.5 MOD, 20° P.A

DRIVEFLEX

Metric Spur



30% Glass Filled Nylon 6

- Intermediate sizes and special gears to drawing (tooling charges may apply)
- Bore unmachined typically 0.5-1mm undersize
- Standard tolerances, unless otherwise stated ±0.25mm
- Max recommended working temperature 130°C
- All dimensions in mm
- Moulded Nylon 6 (PA6), 30% Glass filled
- Also available in Blue Glass filled Nylon food grade material

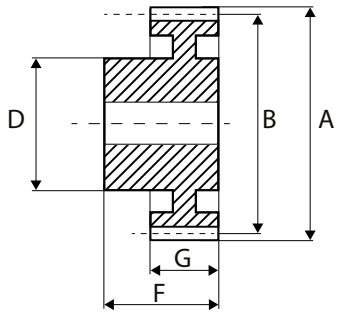
Code	No. teeth	Pitch Ø B	Pre-bore (rough)	Hub/Boss Ø D	Outside Ø A	O/A width F	Face width G
PS25/12B	12	30	8	22	35	40	25
PS25/14B	14	35	8	22	40	40	25
PS25/15B	15	37.5	10	30	42.5	40	25
PS25/16B	16	40	10	30	45	40	25
PS25/17B	17	42.5	10	30	47.5	40	25
PS25/18B	18	45	10	35	50	40	25
PS25/19B	19	47.5	10	35	52.5	40	25
PS25/20B	20	50	10	35	55	40	25
PS25/21B	21	52.5	10/16*	35	57.5	40	25
PS25/22B	22	55	16	40	60	40	25
PS25/23B	23	57.5	16	40	62.5	40	25
PS25/24B	24	60	16	40	65	40	25
PS25/25B	25	62.5	16	40	67.5	40	25
PS25/26B	26	65	16	40	70	40	25
PS25/27B	27	67.5	16	40	72.5	40	25
PS25/28B	28	70	16	40	75	40	25
PS25/29B	29	72.5	16	45	77.5	40	25
PS25/30B	30	75	16	45	80	40	25
PS25/32B	32	80	16	50	85	40	25
PS25/35B	35	87.5	16	50	92.5	40	25
PS25/36B	36	90	18/20*	50	95	40	25
PS25/38B	38	95	18/20*	50	100	40	25
PS25/40B	40	100	18/20*	50	105	40	25
PS25/45B	45	112.5	18/20*	60	117.5	40	25
PS25/50B	50	125	20	60	130	40	25
PS25/55B	55	137.5	20	60	142.5	40	25
PS25/60B	60	150	20	60	155	40	25

Please note: It is recommended that when the bores in "PS" Moulded Spur Gears are machined they are machined to the bore size stated or very close to the catalogue size. Boring these gears to a much larger bore diameter could increase the possibility of discovering small voids or cavities in this area. All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation. For special or reworked gears please contact our Manufacturing Department for a quotation. * Spur gears with bore or hub dimensions marked * will be discontinued when stocks are depleted.

Metric Spur Gears in 30% Glass-Filled Nylon 6, 3.0 & 4.0 MOD, 20° P.A

DRIVEFLEX

Metric Spur



30% Glass Filled Nylon 6

- Intermediate sizes and special gears to drawing (tooling charges may apply)
- Bore unmachined typically 0.5-1mm undersize
- Standard tolerances, unless otherwise stated ±0.25mm
- Max recommended working temperature 130°C
- All dimensions in mm
- Moulded Nylon 6 (PA6), 30% Glass filled
- Also available in Blue Glass filled Nylon food grade material

3.0 MOD

Code	No. teeth	Pitch Ø B	Pre-bore (rough)	Hub/Boss Ø D	Outside Ø A	O/A width F	Face width G
PS30/12B	12	36	12	25	42	45	30
PS30/13B	13	39	12	28	45	45	30
PS30/14B	14	42	12	30	48	45	30
PS30/15B	15	45	12	30	51	45	30
PS30/16B	16	48	12	35	54	45	30
PS30/17B	17	51	12	40	57	45	30
PS30/18B	18	54	12	40	60	45	30
PS30/19B	19	57	12	40	63	45	30
PS30/20B	20	60	12	45	66	45	30
PS30/21B	21	63	12*/16	45	69	45	30
PS30/22B	22	66	16	45	72	45	30
PS30/23B	23	69	16	45	75	45	30
PS30/24B	24	72	16	45	78	45	30
PS30/25B	25	75	16	45	81	45	30
PS30/36B	36	108	20	60	114	45	30
PS30/40B	40	120	20	60	126	45	30

4.0 MOD

Code	No. teeth	Pitch Ø B	Pre-bore (rough)	Hub/Boss Ø D	Outside Ø A	O/A width F	Face width G
PS40/16B	16	64	20	50	72	60	40
PS40/18B	18	72	20	50	80	60	40
PS40/20B	20	80	20	60	88	60	40

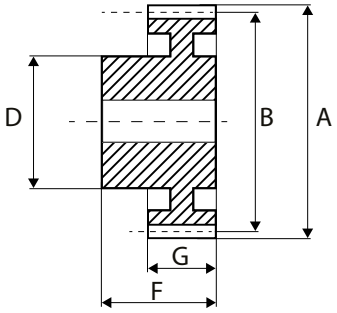
Please note: It is recommended that when the bores in "PS" Moulded Spur Gears are machined they are machined to the bore size stated or very close to the catalogue size. Boring these gears to a much larger bore diameter could increase the possibility of discovering small voids or cavities in this area. All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation. For special or reworked gears please contact our Manufacturing Department for a quotation. * Spur gears with bore or hub dimensions marked * will be discontinued when stocks are depleted.

Metric Spur Gears in Moulded HOSTAFORM®, 0.5 MOD, 20° P.A

776

DRIVEFLEX

Metric Spur



Moulded HOSTAFORM®

- Intermediate sizes and special gears to drawing (tooling charges may apply)
- Standard tolerances, unless otherwise stated ±0.25mm
- All dimensions in mm
- Moulded HOSTAFORM® C to DIN 3962/63/67 Grade 12
- Also available in hard-wearing Polyketone material

Code	No. teeth	Pitch Ø B	Bore (H9)	Hub/Boss Ø D	Outside Ø A	O/A width F	Face width G
WPS05/12B	12	6	2	4	7	7	3
WPS05/13B	13	6.5	2	4	7.5	7	3
WPS05/14B	14	7	2	5	8	7	3
WPS05/15B	15	7.5	3	6	8.5	10	3
WPS05/16B	16	8	3	6	9	10	3
WPS05/17B	17	8.5	3	6	9.5	10	3
WPS05/18B	18	9	4	8	10	10	3
WPS05/19B	19	9.5	4	8	10.5	10	3
WPS05/20B	20	10	4	8	11	10	3
WPS05/21B	21	10.5	4	8	11.5	10	3
WPS05/22B	22	11	4	10	12	10	3
WPS05/23B	23	11.5	4	10	12.5	10	3
WPS05/24B	24	12	4	10	13	10	3
WPS05/25B	25	12.5	4	10	13.5	10	3
WPS05/26B	26	13	4	10	14	10	3
WPS05/27B	27	13.5	4	10	14.5	10	3
WPS05/28B	28	14	4	10	15	10	3
WPS05/30B	30	15	4	12	16	10	3
WPS05/32B	32	16	4	12	17	10	3
WPS05/35B	35	17.5	4	12	18.5	10	3
WPS05/36B	36	18	4	12	19	10	3
WPS05/38B	38	19	4	12	20	10	3
WPS05/40B	40	20	4	12	21	10	3
WPS05/42B	42	21	4	12	22	10	3
WPS05/45B	45	22.5	4	12	23.5	10	3
WPS05/48B	48	24	6	15	25	10	3

Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked gears please contact our Manufacturing Department for a quotation.

Metric Spur Gears in Moulded HOSTAFORM®, 0.5 MOD, 20° P.A



HOSTAFORM® offers an enhanced balance of strength, stiffness, toughness over a broad temperature range, improved long-term creep and fatigue resistance at high temperatures for applications where the material maybe exposed to higher levels of mechanical and cyclic stresses.

Code	No. teeth	Pitch Ø B	Bore (H9)	Hub/Boss Ø D	Outside Ø A	O/A width F	Face width G
WPS05/50B	50	25	6	15	26	10	3
WPS05/52B	52	26	6	15	27	10	3
WPS05/54B	54	27	6	15	28	10	3
WPS05/55B	55	27.5	6	15	28.5	10	3
WPS05/56B	56	28	6	15	29	10	3
WPS05/60B	60	30	6	15	31	10	3
WPS05/64B	64	32	6	15	33	10	3
WPS05/65B	65	32.5	6	15	33.5	10	3
WPS05/70B	70	35	6	15	36	10	3
WPS05/72B	72	36	6	15	37	10	3
WPS05/75B	75	37.5	6	15	38.5	10	3
WPS05/80B	80	40	6	15	41	10	3
WPS05/90B	90	45	6	15	46	10	3
WPS05/96B	96	48	6	15	49	10	3
WPS05/100B	100	50	6	15	51	10	3
WPS05/120B	120	60	6	15	61	10	3

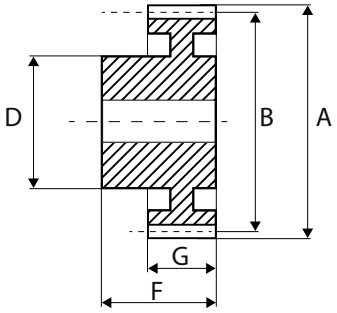
Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked gears please contact our Manufacturing Department for a quotation.



Metric Spur Gears in Moulded HOSTAFORM®, 0.7 MOD, 20° P.A

DRIVEFLEX

Metric Spur



Moulded HOSTAFORM®

- Intermediate sizes and special gears to drawing (tooling charges may apply)
- Standard tolerances, unless otherwise stated ±0.25mm
- All dimensions in mm
- Moulded HOSTAFORM® C to DIN 3962/63/67 Grade 12
- Also available in hard-wearing Polyketone material

Code	No. teeth	Pitch Ø B	Bore (H9)	Hub/Boss Ø D	Outside Ø A	O/A width F	Face width G
WPS07/12B	12	8.4	3	6	9.8	15	6
WPS07/13B	13	9.1	3	6	10.5	15	6
WPS07/14B	14	9.8	3	6	11.2	15	6
WPS07/15B	15	10.5	3	6	11.9	15	6
WPS07/16B	16	11.2	4	9	12.6	15	6
WPS07/17B	17	11.9	4	9	13.3	15	6
WPS07/18B	18	12.6	4	9	14	15	6
WPS07/19B	19	13.3	4	9	14.7	15	6
WPS07/20B	20	14	4	9	15.4	15	6
WPS07/21B	21	14.7	4	9	16.1	15	6
WPS07/22B	22	15.4	4	9	16.8	15	6
WPS07/23B	23	16.1	4	9	17.5	15	6
WPS07/24B	24	16.8	4	9	18.2	15	6
WPS07/25B	25	17.5	6	9	18.9	15	6
WPS07/26B	26	18.2	6	9	19.6	15	6
WPS07/27B	27	18.9	6	9	20.3	15	6
WPS07/28B	28	19.6	6	9	21	15	6
WPS07/30B	30	21	6	12	22.4	15	6
WPS07/32B	32	22.4	6	12	23.8	15	6
WPS07/35B	35	24.5	6	15	25.9	15	6
WPS07/36B	36	25.2	6	15	26.6	15	6
WPS07/38B	38	26.6	6	15	28	15	6
WPS07/40B	40	28	6	15	29.4	15	6
WPS07/42B	42	29.4	6	15	30.8	15	6
WPS07/45B	45	31.5	6	18	32.9	15	6
WPS07/48B	48	33.6	8	18	35	15	6
WPS07/50B	50	35	8	18	36.4	15	6

Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked gears please contact our Manufacturing Department for a quotation.

Metric Spur Gears in Moulded HOSTAFORM®, 0.7 MOD, 20° P.A



HOSTAFORM® offers an enhanced balance of strength, stiffness, toughness over a broad temperature range, improved long-term creep and fatigue resistance at high temperatures for applications where the material maybe exposed to higher levels of mechanical and cyclic stresses.

Code	No. teeth	Pitch Ø B	Bore (H9)	Hub/Boss Ø D	Outside Ø A	O/A width F	Face width G
WPS07/52B	52	36.4	8	18	37.8	15	6
WPS07/54B	54	37.8	8	18	39.2	15	6
WPS07/55B	55	38.5	8	18	39.9	15	6
WPS07/56B	56	39.2	8	18	40.6	15	6
WPS07/60B	60	42	8	18	43.4	15	6
WPS07/64B	64	44.8	8	18	46.2	15	6
WPS07/65B	65	45.5	8	18	46.9	15	6
WPS07/70B	70	49	8	18	50.4	15	6
WPS07/72B	72	50.4	8	18	51.8	15	6
WPS07/75B	75	52.5	10	18	53.9	15	6
WPS07/80B	80	56	10	21	57.4	15	6
WPS07/90B	90	63	10	21	64.4	15	6
WPS07/96B	96	67.2	10	21	68.6	15	6
WPS07/100B	100	70	10	21	71.4	15	6
WPS07/120B	120	84	10	21	85.4	15	6

Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked gears please contact our Manufacturing Department for a quotation.



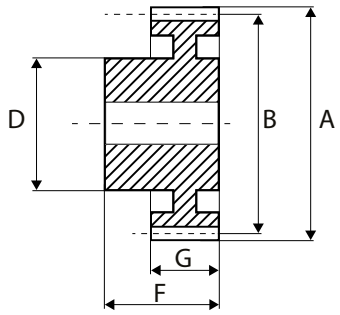
See Stainless Steel Spur Gears – Page 730

Metric Spur Gears in Moulded HOSTAFORM®, 1.0 MOD, 20° P.A

776

DRIVEFLEX

Metric Spur



Moulded HOSTAFORM®

- Intermediate sizes and special gears to drawing (tooling charges may apply)
- Standard tolerances, unless otherwise stated ±0.25mm
- All dimensions in mm
- Moulded HOSTAFORM® C to DIN 3962/63/67 Grade 12
- Also available in hard-wearing Polyketone material

Code	No. teeth	Pitch Ø B	Bore (H9)	Hub/Boss Ø D	Outside Ø A	O/A width F	Face width G
WPS10/12B	12	12	4	9	14	17	9
WPS10/13B	13	13	4	9	15	17	9
WPS10/14B	14	14	4	9	16	17	9
WPS10/15B	15	15	4	9	17	17	9
WPS10/16B	16	16	4	9	18	17	9
WPS10/17B	17	17	4	9	19	17	9
WPS10/18B	18	18	4	9	20	17	9
WPS10/19B	19	19	4	9	21	17	9
WPS10/20B	20	20	4	9	22	17	9
WPS10/21B	21	21	5	12	23	17	9
WPS10/22B	22	22	5	12	24	17	9
WPS10/23B	23	23	5	12	25	17	9
WPS10/23BSPEC*	23	23	6	18	25	17	9
WPS10/24B	24	24	6	15	26	18	9
WPS10/25B	25	25	6	15	27	18	9
WPS10/26B	26	26	6	15	28	18	9
WPS10/27B	27	27	6	15	29	18	9
WPS10/28B	28	28	6	15	30	18	9
WPS10/29B	29	29	6	15	31	18	9
WPS10/30B	30	30	6	15	32	18	9
WPS10/32B	32	32	6	18	34	18	9
WPS10/35B	35	35	8	18	37	18	9
WPS10/36B	36	36	8	18	38	18	9
WPS10/38B	38	38	8	18	40	18	9
WPS10/40B	40	40	8	18	42	18	9
WPS10/42B	42	42	8	18	44	18	9
WPS10/45B	45	45	8	18	47	18	9
WPS10/48B	48	48	8	18	50	18	9

* Comes with 1 x g/s hole in boss Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation. For special or reworked gears please contact our Manufacturing Department for a quotation.

24hr Breakdown available Customisable product Product code builder Compatible product

Metric Spur Gears in Moulded HOSTAFORM®, 1.0 MOD, 20° P.A



HOSTAFORM® offers an enhanced balance of strength, stiffness, toughness over a broad temperature range, improved long-term creep and fatigue resistance at high temperatures for applications where the material maybe exposed to higher levels of mechanical and cyclic stresses.

Code	No. teeth	Pitch Ø B	Bore (H9)	Hub/Boss Ø D	Outside Ø A	O/A width F	Face width G
WPS10/50B	50	50	8	18	52	18	9
WPS10/52B	52	52	8	21	54	18	9
WPS10/54B	54	54	8	21	56	18	9
WPS10/55B	55	55	8	21	57	18	9
WPS10/56B	56	56	8	21	58	18	9
WPS10/58B	58	58	8	21	60	18	9
WPS10/60B	60	60	8	21	62	18	9
WPS10/64B	64	64	10	21	66	18	9
WPS10/65B	65	65	10	21	67	18	9
WPS10/70B	70	70	10	21	72	18	9
WPS10/72B	72	72	10	21	74	18	9
WPS10/75B	75	75	10	21	77	18	9
WPS10/80B	80	80	10	21	82	18	9
WPS10/85B	85	85	10	21	87	18	9
WPS10/90B	90	90	10	21	92	18	9
WPS10/100B	100	100	12	24	102	18	9
WPS10/110B	110	110	12	24	112	18	9
WPS10/120B	120	120	12	24	122	18	9
WPS10/130B	130	130	12	24	132	18	9
WPS10/140B	140	140	12	24	142	18	9

Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked gears please contact our Manufacturing Department for a quotation.



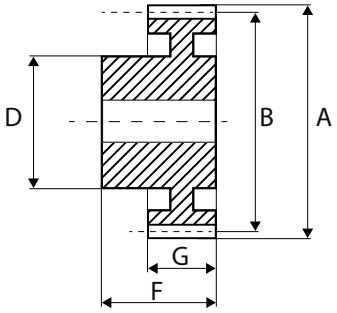
See Hostaform Metric Racks – Page 776

Metric Spur Gears in Moulded HOSTAFORM®, 1.25 MOD, 20° P.A

776

DRIVEFLEX

Metric Spur



Moulded HOSTAFORM®

- Intermediate sizes and special gears to drawing (tooling charges may apply)
- Standard tolerances, unless otherwise stated ±0.25mm
- All dimensions in mm
- Moulded HOSTAFORM® C to DIN 3962/63/67 Grade 12
- Also available in hard-wearing Polyketone material

Code	No. teeth	Pitch Ø B	Bore (H9)	Hub/Boss Ø D	Outside Ø A	O/A width F	Face width G
WPS12.5/12B	12	15	5	9	17.5	19	10
WPS12.5/13B	13	16.25	5	9	18.75	19	10
WPS12.5/14B	14	17.5	5	9	20	19	10
WPS12.5/15B	15	18.75	5	9	21.25	19	10
WPS12.5/16B	16	20	5	9	22.5	19	10
WPS12.5/17B	17	21.25	5	9	23.75	19	10
WPS12.5/18B	18	22.5	5	12	25	19	10
WPS12.5/19B	19	23.75	5	12	26.25	19	10
WPS12.5/20B	20	25	5	12	27.5	19	10
WPS12.5/21B	21	26.25	6	15	28.75	19	10
WPS12.5/22B	22	27.5	6	15	30	19	10
WPS12.5/23B	23	28.75	6	15	31.25	19	10
WPS12.5/24B	24	30	6	15	32.5	19	10
WPS12.5/25B	25	31.25	6	15	33.75	19	10
WPS12.5/26B	26	32.5	6	18	35	19	10
WPS12.5/27B	27	33.75	6	18	36.25	19	10
WPS12.5/28B	28	35	8	18	37.5	19	10
WPS12.5/29B	29	36.25	8	18	38.75	19	10
WPS12.5/30B	30	37.5	8	18	40	19	10
WPS12.5/32B	32	40	8	18	42.5	19	10
WPS12.5/35B	35	43.75	8	18	46.25	19	10
WPS12.5/36B	36	45	8	18	47.5	19	10
WPS12.5/38B	38	47.5	8	18	50	19	10
WPS12.5/40B	40	50	8	18	52.5	19	10
WPS12.5/42B	42	52.5	8	18	55	19	10
WPS12.5/45B	45	56.25	8	21	58.75	19	10
WPS12.5/48B	48	60	8	21	62.5	19	10
WPS12.5/50B	50	62.5	8	21	65	19	10

Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked gears please contact our Manufacturing Department for a quotation.

Metric Spur Gears in Moulded HOSTAFORM®, 1.25 MOD, 20° P.A



HOSTAFORM® offers an enhanced balance of strength, stiffness, toughness over a broad temperature range, improved long-term creep and fatigue resistance at high temperatures for applications where the material maybe exposed to higher levels of mechanical and cyclic stresses.

Code	No. teeth	Pitch Ø B	Bore (H9)	Hub/Boss Ø D	Outside Ø A	O/A width F	Face width G
WPS12.5/52B	52	65	10	21	67.5	19	10
WPS12.5/54B	54	67.5	10	21	70	19	10
WPS12.5/55B	55	68.75	10	21	71.25	19	10
WPS12.5/56B	56	70	10	21	72.5	19	10
WPS12.5/60B	60	75	10	21	77.5	19	10
WPS12.5/64B	64	80	10	21	82.5	19	10
WPS12.5/65B	65	81.25	10	21	83.75	19	10
WPS12.5/70B	70	87.5	10	21	90	19	10
WPS12.5/72B	72	90	12	21	92.5	19	10
WPS12.5/75B	75	93.75	12	21	96.25	19	10
WPS12.5/80B	80	100	12	24	102.5	19	10
WPS12.5/90B	90	112.5	12	24	115	19	10
WPS12.5/100B	100	125	12	24	127.5	19	10
WPS12.5/110B	110	137.5	12	24	140	19	10

Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked gears please contact our Manufacturing Department for a quotation.



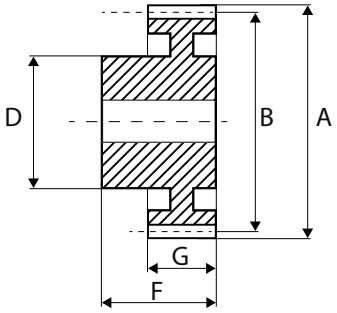
See **Glass-Filled Nylon 6 Spur Gears – Page 736**

Metric Spur Gears in Moulded HOSTAFORM®, 1.5 MOD, 20° P.A

24 776

DRIVEFLEX

Metric Spur



Moulded HOSTAFORM®

- Intermediate sizes and special gears to drawing (tooling charges may apply)
- Standard tolerances, unless otherwise stated ±0.25mm
- All dimensions in mm
- Moulded HOSTAFORM® C to DIN 3962/63/67 Grade 12
- Also available in hard-wearing Polyketone material

Code	No. teeth	Pitch Ø B	Bore (H9)	Hub/Boss Ø D	Outside Ø A	O/A width F	Face width G
WPS15/12B	12	18	6	14	21	23	12
WPS15/13B	13	19.5	6	14	22.5	23	12
WPS15/14B	14	21	6	14	24	23	12
WPS15/15B	15	22.5	6	14	25.5	23	12
WPS15/16B	16	24	6	14	27	23	12
WPS15/17B	17	25.5	6	14	28.5	23	12
WPS15/18B	18	27	8	17	30	23	12
WPS15/19B	19	28.5	8	17	31.5	23	12
WPS15/20B	20	30	8	17	33	23	12
WPS15/21B	21	31.5	8	17	34.5	23	12
WPS15/22B	22	33	8	17	36	23	12
WPS15/23B	23	34.5	8	17	37.5	23	12
WPS15/24B	24	36	8	19	39	23	12
WPS15/25B	25	37.5	8	19	40.5	23	12
WPS15/26B	26	39	8	19	42	23	12
WPS15/27B	27	40.5	8	19	43.5	23	12
WPS15/28B	28	42	8	19	45	23	12
WPS15/30B	30	45	10	24	48	23	12
WPS15/32B	32	48	10	24	51	23	12
WPS15/35B	35	52.5	10	24	55.5	23	12
WPS15/36B	36	54	10	24	57	23	12
WPS15/38B	38	57	10	24	60	23	12
WPS15/40B	40	60	10	24	63	23	12
WPS15/42B	42	63	10	24	66	23	12
WPS15/45B	45	67.5	10	24	70.5	23	12
WPS15/48B	48	72	10	24	75	23	12
WPS15/50B	50	75	12	27	78	23	12
WPS15/52B	52	78	12	27	81	23	12
WPS15/54B	54	81	12	27	84	23	12
WPS15/55B	55	82.5	12	27	85.5	23	12
WPS15/60B	60	90	12	27	93	23	12
WPS15/70B	70	105	14	30	108	23	12
WPS15/80B	80	120	14	30	123	23	12
WPS15/90B	90	135	14	30	138	23	12
WPS15/100B	100	150	20	40	153	34	19
WPS15/110B	110	165	20	40	168	34	19
WPS15/120B	120	180	20	40	183	34	19
WPS15/130B	130	195	20	40	198	34	19
WPS15/140B	140	210	20	40	213	34	19
WPS15/150B	150	225	20	40	228	34	19

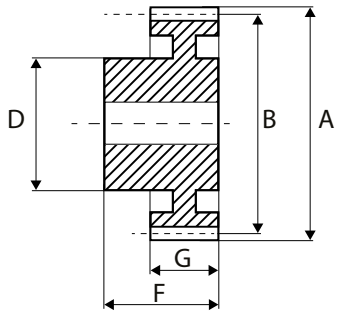
Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked gears please contact our Manufacturing Department for a quotation.

Metric Spur Gears in Moulded HOSTAFORM®, 2.0 MOD, 20° P.A

DRIVEFLEX

24 776

Metric Spur



Moulded HOSTAFORM®

- Intermediate sizes and special gears to drawing (tooling charges may apply)
- Standard tolerances, unless otherwise stated ±0.25mm
- All dimensions in mm
- Moulded HOSTAFORM® C to DIN 3962/63/67 Grade 12
- Also available in hard-wearing Polyketone material

Code	No. teeth	Pitch Ø B	Bore (H9)	Hub/Boss Ø D	Outside Ø A	O/A width F	Face width G
WPS20/12B	12	24	8	18.5	28	27	15
WPS20/13B	13	26	8	18.5	30	27	15
WPS20/14B	14	28	8	18.5	32	27	15
WPS20/15B	15	30	8	18.5	34	27	15
WPS20/16B	16	32	8	17.5	36	27	15
WPS20/17B	17	34	8	17.5	38	27	15
WPS20/18B	18	36	8	17.5	40	27	15
WPS20/19B	19	38	8	17.5	42	27	15
WPS20/20B	20	40	10	20	44	27	15
WPS20/21B	21	42	10	20	46	27	15
WPS20/22B	22	44	10	20	48	27	15
WPS20/23B	23	46	10	20	50	27	15
WPS20/24B	24	48	10	24	52	27	15
WPS20/25B	25	50	10	24	54	27	15
WPS20/26B	26	52	10	24	56	27	15
WPS20/27B	27	54	10	24	58	27	15
WPS20/28B	28	56	10	24	60	27	15
WPS20/30B	30	60	10	24	64	27	15
WPS20/32B	32	64	10	26	68	27	15
WPS20/35B	35	70	12	26	74	27	15
WPS20/36B	36	72	12	26	76	27	15
WPS20/38B	38	76	12	26	80	27	15
WPS20/40B	40	80	12	26	84	27	15
WPS20/42B	42	84	12	26	88	27	15
WPS20/45B	45	90	14	30	94	27	15
WPS20/48B	48	96	14	30	100	27	15
WPS20/50B	50	100	14	30	104	27	15
WPS20/55B	55	110	14	30	114	27	15
WPS20/60B	60	120	14	30	124	27	15
WPS20/70B	70	140	14	30	144	27	15
WPS20/75B	75	150	20	40	154	34	19
WPS20/80B	80	160	20	40	164	34	19
WPS20/85B	85	170	20	40	174	34	19
WPS20/90B	90	180	20	40	184	34	19
WPS20/95B	95	190	20	40	194	34	19
WPS20/100B	100	200	20	40	204	34	19
WPS20/110B	110	220	20	40	224	34	19

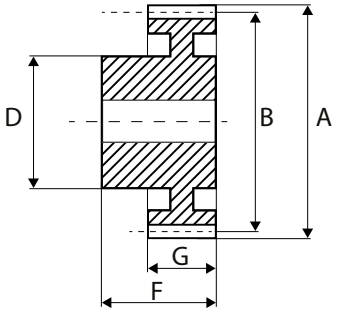
Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked gears please contact our Manufacturing Department for a quotation.

Metric Spur Gears in Moulded HOSTAFORM®, 2.5 MOD, 20° P.A

776

DRIVEFLEX

Metric Spur



Moulded HOSTAFORM®

- Intermediate sizes and special gears to drawing (tooling charges may apply)
- Standard tolerances, unless otherwise stated ±0.25mm
- All dimensions in mm
- Moulded Hostaform® C to DIN 3962/63/67 Grade 12
- Also available in hard-wearing Polyketone material

Code	No. teeth	Pitch Ø B	Bore (H9)	Hub/Boss Ø D	Outside Ø A	O/A width F	Face width G
WPS25/10B	10	25	10	20	30	30	17
WPS25/12B	12	30	10	20	35	30	17
WPS25/13B	13	32.5	10	20	37.5	30	17
WPS25/14B	14	35	10	20	40	30	17
WPS25/15B	15	37.5	10	20	42.5	30	17
WPS25/16B	16	40	10	20	45	30	17
WPS25/17B	17	42.5	10	20	47.5	30	17
WPS25/18B	18	45	10	20	50	30	17
WPS25/19B	19	47.5	10	20	52.5	30	17
WPS25/20B	20	50	10	20	55	30	17
WPS25/21B	21	52.5	12	24	57.5	30	17
WPS25/22B	22	55	12	24	60	30	17
WPS25/23B	23	57.5	12	24	62.5	30	17
WPS25/24B	24	60	12	24	65	30	17
WPS25/25B	25	62.5	12	24	67.5	30	17
WPS25/26B	26	65	12	24	70	30	17
WPS25/27B	27	67.5	12	24	72.5	30	17
WPS25/28B	28	70	12	24	75	30	17
WPS25/30B	30	75	12	24	80	30	17
WPS25/32B	32	80	14	30	85	30	17
WPS25/35B	35	87.5	14	30	92.5	30	17
WPS25/36B	36	90	14	30	95	30	17
WPS25/38B	38	95	14	30	100	30	17
WPS25/40B	40	100	14	30	105	30	17
WPS25/42B	42	105	16	30	110	30	17
WPS25/45B	45	112.5	16	30	117.5	30	17
WPS25/48B	48	120	16	30	125	30	17
WPS25/50B	50	125	16	30	130	30	17
WPS25/55B	55	137.5	20	30	142.5	30	17
WPS25/60B	60	150	20	40	155	34	19
WPS25/65B	65	162.5	20	40	167.5	34	19
WPS25/70B	70	175	20	40	180	34	19
WPS25/75B	75	187.5	20	40	192.5	34	19
WPS25/80B	80	200	20	40	205	34	19
WPS25/85B	85	212.5	20	40	217.5	34	19
WPS25/90B	90	225	20	40	230	34	19
WPS25/95B	95	237.5	20	40	242.5	34	19

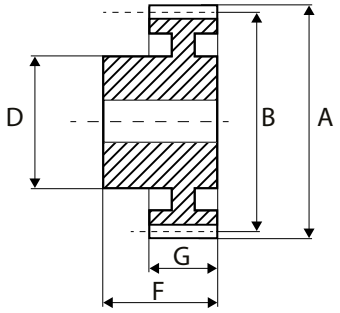
Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked gears please contact our Manufacturing Department for a quotation.

Metric Spur Gears in Moulded HOSTAFORM®, 3.0 MOD, 20° P.A

DRIVEFLEX

24 776

Metric Spur



Moulded HOSTAFORM®

- Intermediate sizes and special gears to drawing (tooling charges may apply)
- Standard tolerances, unless otherwise stated ±0.25mm
- All dimensions in mm
- Moulded HOSTAFORM® C to DIN 3962/63/67 Grade 12
- Also available in hard-wearing Polyketone material

Code	No. teeth	Pitch Ø B	Bore (H9)	Hub/Boss Ø D	Outside Ø A	O/A width F	Face width G
WPS30/12B	12	36	12	24	42	34	19
WPS30/13B	13	39	12	24	45	34	19
WPS30/14B	14	42	12	24	48	34	19
WPS30/15B	15	45	12	24	51	34	19
WPS30/16B	16	48	12	24	54	34	19
WPS30/17B	17	51	12	24	57	34	19
WPS30/18B	18	54	12	24	60	34	19
WPS30/19B	19	57	12	24	63	34	19
WPS30/20B	20	60	12	24	66	34	19
WPS30/21B	21	63	12	24	69	34	19
WPS30/22B	22	66	12	24	72	34	19
WPS30/24B	24	72	12	24	78	34	19
WPS30/25B	25	75	14	28	81	34	19
WPS30/26B	26	78	14	28	84	34	19
WPS30/27B	27	81	14	28	87	34	19
WPS30/28B	28	84	14	28	90	34	19
WPS30/30B	30	90	14	28	96	34	19
WPS30/32B	32	96	16	32	102	34	19
WPS30/33B	33	99	16	32	105	34	19
WPS30/35B	35	105	16	32	111	34	19
WPS30/38B	38	114	16	32	120	34	19
WPS30/40B	40	120	16	32	126	34	19
WPS30/45B	45	135	16	32	141	34	19
WPS30/48B	48	144	16	32	150	34	19
WPS30/50B	50	150	20	40	156	34	19
WPS30/55B	55	165	20	40	171	34	19
WPS30/60B	60	180	20	40	186	34	19
WPS30/65B	65	195	20	40	201	34	19
WPS30/70B	70	210	20	40	216	34	19
WPS30/75B	75	225	20	40	231	34	19

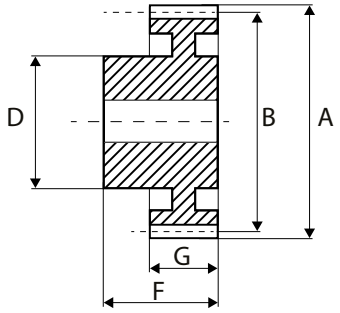
Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation. For special or reworked gears please contact our Manufacturing Department for a quotation.

Metric Spur Gears in Moulded DELRIN® 500, 0.5 MOD, 20° P.A

774

DRIVEFLEX

Metric Spur



Moulded DELRIN 500®

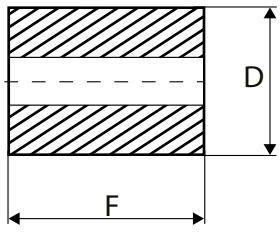
- Intermediate sizes and special gears to drawing (tooling charges may apply)
- Standard tolerances, unless otherwise stated ±0.25mm
- All dimensions in mm
- Moulded DELRIN® 500 to gear quality AGMA 7

Code	No. teeth	Pitch Ø B	Bore (-0.02 /-0.04)	Hub/Boss Ø D	Outside Ø A	O/A width F	Face width G
DS05/12B	12	6	2	4.5	7	7	3
DS05/15B	15	7.5	2	4.5	8.5	7	3
DS05/16B	16	8	3	6	9	7	3
DS05/18B	18	9	3	6	10	7	3
DS05/20B	20	10	4	8	11	7	3
DS05/24B	24	12	4	8	13	7	3
DS05/25B	25	12.5	4	8	13.5	7	3
DS05/28B	28	14	4	8	15	7	3
DS05/30B	30	15	5	10	16	7	3
DS05/32B	32	16	5	10	17	7	3
DS05/35B	35	17.5	5	10	18.5	7	3
DS05/36B	36	18	5	10	19	7	3
DS05/40B	40	20	5	12	21	7	3
DS05/45B	45	22.5	5	12	23.5	7	3
DS05/48B	48	24	5	12	25	7	3
DS05/50B	50	25	5	12	26	7	3
DS05/56B	56	28	6	14	29	8	3
DS05/60B	60	30	6	14	31	8	3
DS05/64B	64	32	6	14	33	8	3
DS05/70B	70	35	6	14	36	8	3
DS05/72B	72	36	6	14	37	8	3
DS05/80B	80	40	6	14	41	8	3

Sintered Bronze Bushes type OB

Code	Bore Ø (mm)	Outside Ø D (mm)	Length F (mm)	Use with
OB357	3	5	7	DS05
OB368	3	6	8	DS05

- Intermediate sizes and special bushes to drawing (tooling charges may apply)
- All dimensions in mm
- Bore tolerance G7
- OD tolerance s7
- Length tolerance js13



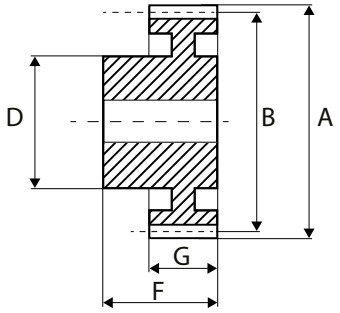
Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked gears please contact our Manufacturing Department for a quotation.

Metric Spur Gears in Moulded DELRIN® 500, 0.8 MOD, 20° P.A

DRIVEFLEX



Metric Spur



Moulded DELRIN 500®

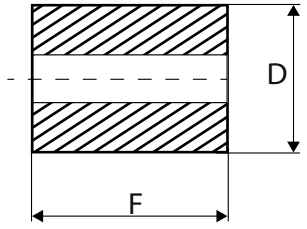
- Intermediate sizes and special gears to drawing (tooling charges may apply)
- Standard tolerances, unless otherwise stated ±0.25mm
- All dimensions in mm
- Moulded DELRIN® 500 to gear quality AGMA 7

Code	No. teeth	Pitch Ø B	Bore (-0.02 /-0.04)	Hub/Boss Ø D	Outside Ø A	O/A width F	Face width G
DS08/12B	12	9.6	3	6	11.2	9	4
DS08/15B	15	12	3	6	13.6	9	4
DS08/16B	16	12.8	4	8	14.4	9	4
DS08/18B	18	14.4	4	8	16	9	4
DS08/20B	20	16	5	10	17.6	9	4
DS08/24B	24	19.2	5	10	20.8	9	4
DS08/25B	25	20	5	10	21.6	9	4
DS08/28B	28	22.4	5	10	24	9	4
DS08/30B	30	24	6	12	25.6	9	4
DS08/32B	32	25.6	6	12	27.2	9	4
DS08/35B	35	28	6	12	29.6	9	4
DS08/36B	36	28.8	6	12	30.4	9	4
DS08/40B	40	32	6	12	33.6	9	4
DS08/48B	48	38.4	6	14.5	40	10	4
DS08/50B	50	40	6	14.5	41.6	10	4
DS08/56B	56	44.8	6	14.5	46.4	10	4
DS08/60B	60	48	6	14.5	49.6	10	4
DS08/64B	64	51.2	6	15.5	52.8	10	4
DS08/70B	70	56	6	15.5	57.6	10	4
DS08/72B	72	57.6	6	15.5	59.2	10	4
DS08/80B	80	64	6	15.5	65.6	10	4

Sintered Bronze Bushes type OB

Code	Bore Ø (mm)	Outside Ø D (mm)	Length F (mm)	Use with
OB368	3	6	8	DS08
OB469	4	6	9	DS08

- Intermediate sizes and special bushes to drawing (tooling charges may apply)
- All dimensions in mm
- Bore tolerance G7
- OD tolerance s7
- Length tolerance js13



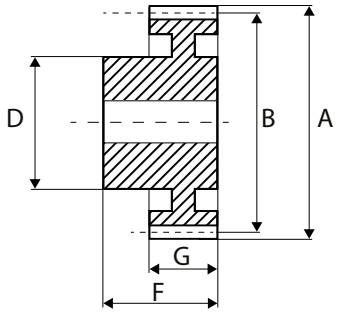
Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked gears please contact our Manufacturing Department for a quotation.

Metric Spur Gears in Moulded DELRIN® 500, 1.0 MOD, 20° P.A

774

DRIVEFLEX

Metric Spur



Moulded DELRIN 500®

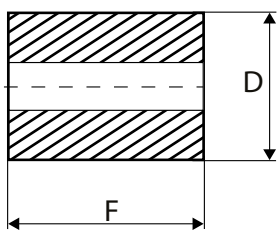
- Intermediate sizes and special gears to drawing (tooling charges may apply)
- Standard tolerances, unless otherwise stated ±0.25mm
- All dimensions in mm
- Moulded DELRIN® 500 to gear quality AGMA 7

Code	No. teeth	Pitch Ø B	Bore (-0.02 /-0.04)	Hub/Boss Ø D	Outside Ø A	O/A width F	Face width G
DS10/12B	12	12	4	8	14	12	6
DS10/15B	15	15	4	8	17	12	6
DS10/16B	16	16	5	10	18	12	6
DS10/18B	18	18	5	10	20	12	6
DS10/20B	20	20	5	11.7	22	12	6
DS10/24B	24	24	5	11.7	26	12	6
DS10/25B	25	25	5	11.7	27	12	6
DS10/28B	28	28	5	11.7	30	12	6
DS10/30B	30	30	6	14	32	12	6
DS10/32B	32	32	6	14	34	12	6
DS10/35B	35	35	6	14	37	12	6
DS10/36B	36	36	6	14	38	12	6
DS10/40B	40	40	8	16	42	12	6
DS10/45B	45	45	8	16	47	12	6
DS10/48B	48	48	8	16	50	14	6
DS10/50B	50	50	8	16	52	14	6
DS10/56B	56	56	8	18	58	14	6
DS10/60B	60	60	8	18	62	14	6
DS10/64B	64	64	8	18	66	14	6
DS10/70B	70	70	8	18	72	14	6
DS10/72B	72	72	8	18	74	14	6
DS10/80B	80	80	8	18	82	14	6

Sintered Bronze Bushes type OB

Code	Bore Ø (mm)	Outside Ø D (mm)	Length F (mm)	Use with
OB4612	4	6	12	DS10
OB5812	5	8	12	DS10
OB5814	5	8	14	DS10

- Intermediate sizes and special bushes to drawing (tooling charges may apply)
- All dimensions in mm
- Bore tolerance G7
- OD tolerance s7
- Length tolerance js13



Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked gears please contact our Manufacturing Department for a quotation.

24hr Breakdown available | Customisable product | Product code builder | Compatible product

ONLINE ORDERING
www.transdevdirect.co.uk

TransDev DIRECT

THOUSANDS OF PRODUCTS
JUST A CLICK AWAY

TransDev Direct is the fast and easy way to order power transmission, lifting and conveying products. The online store has been developed from the ground-up for account holding customers looking for excellent reliability, quality and service.

Features

- View your agreed pricing and live stock availability
- Stock orders taken before 4.30pm on weekdays are despatched the same day
- Our integrated MRP system enables seamless and fast ordering
- 98% in-stock ratio
- Over 44,000 separate products
- Over £4m of stock held

Quick and Easy

- UTILISE the quick product search and easy navigation
- VIEW live stock availability and your agreed pricing
- LINK to product info
- BUILD and review order lists
- SPECIFY shipping type
- MANAGE your orders and users



Large Stock Profile
We have the products you need

Leading Brands
Quality brands at great prices

Service and Expertise
See why we are The Power in Motion

Next Day Deliveries
When you need that product fast.

transdevdirect.co.uk

BELTS PULLEYS CHAIN SPROCKETS GEARS BEARINGS LINEAR HARDWARE PLASTICS

TransDev®
THE POWER IN MOTION

PU Belts
Rubber Belts
Special Belts
Pulleys
Chain
Sprockets
Gears
Bearings
Linear
Hardware
Plastics

DRIVEFLEX

Imperial Spur Gears

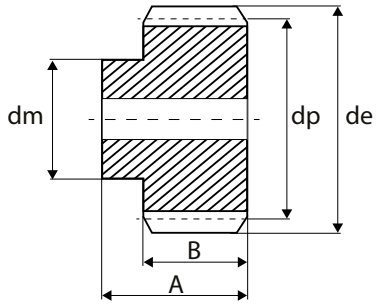


- BRITISH STANDARD
- EXTENSIVE RANGE
- HIGH QUALITY
- EN8 STEEL
- FULL TECHNICAL SUPPORT

Imperial Spur Gears in Steel 4 & 6 DP, 20° P.A

DRIVEFLEX

Imperial Spur



TYPE B

- Intermediate sizes and special gears to drawing up to 39" diameter
- Standard tolerances, unless otherwise stated ±0.010 ins
- Standard: BS 436 Pt1, fig 1. Grade 8 / 9
- All dimensions in inches
- Steel EN8, (080M40/080M46) or equivalent

4DP

Code	No. teeth	Pitch Ø dp	Outside Ø de	Hub/Boss Ø dm	Bore Ø H8	O/A width A	Face width B
SSDP4/12B	12	3	3.5	2.25	1	2.5	1.5
SSDP4/14B	14	3.5	4	2.75	1	2.5	1.5
SSDP4/15B	15	3.75	4.25	3	1	2.5	1.5
SSDP4/16B	16	4	4.5	3.25	1.25	2.5	1.5
SSDP4/18B	18	4.5	5	3.75	1.25	2.5	1.5
SSDP4/20B	20	5	5.5	4	1.25	2.5	1.5
SSDP4/24B	24	6	6.5	4	1.25	2.5	1.5
SSDP4/28B	28	7	7.5	4.25	1.25	2.5	1.5
SSDP4/32B	32	8	8.5	4.25	1.25	2.75	1.5
SSDP4/36B	36	9	9.5	4.25	1.25	2.75	1.5

6DP

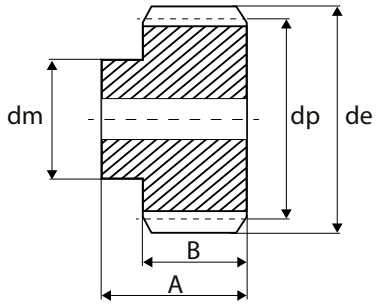
Code	No. teeth	Pitch Ø dp	Outside Ø de	Hub/Boss Ø dm	Bore Ø H8	O/A width A	Face width B
SSDP6/12B	12	2	2.333	1.5	1	2.5	1.5
SSDP6/14B	14	2.333	2.666	1.75	1	2.5	1.5
SSDP6/15B	15	2.5	2.833	2	1	2.5	1.5
SSDP6/16B	16	2.667	3	2	1	2.5	1.5
SSDP6/18B	18	3	3.333	2	1	2.5	1.5
SSDP6/20B	20	3.333	3.666	2	1	2.5	1.5
SSDP6/21B	21	3.5	3.833	2	1	2.5	1.5
SSDP6/24B	24	4	4.333	3	1.25	2.5	1.5
SSDP6/27B	27	4.5	4.833	3	1.25	3	1.5
SSDP6/28B	28	4.667	5	3	1.25	3	1.5
SSDP6/30B	30	5	5.333	3	1.25	3	1.5
SSDP6/32B	32	5.333	5.666	3	1.25	3	1.5
SSDP6/36B	36	6	6.333	3	1.25	3	1.5

Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked gears please contact our Manufacturing Department for a quotation.

Imperial Spur Gears in Steel 8 DP, 20° P.A

DRIVEFLEX

Imperial Spur

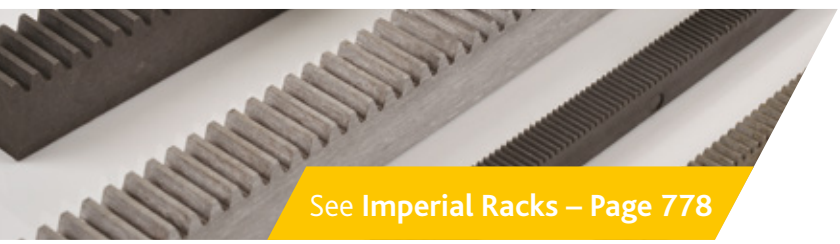


TYPE B

- Intermediate sizes and special gears to drawing up to 39" diameter
- Standard tolerances, unless otherwise stated ±0.010 ins
- Standard: BS 436 Pt1, fig 1. Grade 8 / 9
- All dimensions in inches
- Steel EN8, (080M40/080M46) or equivalent

Code	No. teeth	Pitch Ø dp	Outside Ø de	Hub/Boss Ø dm	Bore Ø H8	O/A width A	Face width B
SSDP8/12B	12	1.5	1.75	1.13	0.75	2	1.25
SSDP8/14B	14	1.75	2	1.25	0.75	2	1.25
SSDP8/15B	15	1.875	2.125	1.38	0.875	2	1.25
SSDP8/16B	16	2	2.25	1.5	0.875	2	1.25
SSDP8/18B	18	2.25	2.5	1.75	0.875	2	1.25
SSDP8/20B	20	2.5	2.75	1.75	0.875	2	1.25
SSDP8/22B	22	2.75	3	1.75	0.875	2	1.25
SSDP8/24B	24	3	3.25	2	0.875	2.25	1.25
SSDP8/28B	28	3.5	3.75	2	0.875	2.25	1.25
SSDP8/30B	30	3.75	4	2	0.875	2.25	1.25
SSDP8/32B	32	4	4.25	2.5	1	2.25	1.25
SSDP8/36B	36	4.5	4.75	2.5	1	2.25	1.25
SSDP8/40B	40	5	5.25	2.5	1	2.25	1.25
SSDP8/42B	42	5.25	5.5	2.5	1	2.25	1.25
SSDP8/44B	44	5.5	5.75	2.5	1	2.25	1.25
SSDP8/48B	48	6	6.25	2.5	1	2.25	1.25

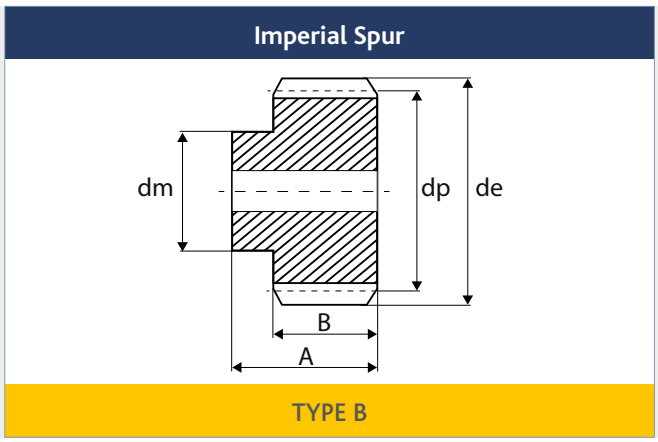
Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked gears please contact our Manufacturing Department for a quotation.



See Imperial Racks – Page 778

Imperial Spur Gears in Steel 10 DP, 20° P.A

DRIVEFLEX



- Intermediate sizes and special gears to drawing up to 39" diameter
- Standard tolerances, unless otherwise stated ±0.010 ins
- Standard: BS 436 Pt1, fig 1. Grade 8 / 9
- All dimensions in inches
- Steel EN8, (080M40/080M46) or equivalent

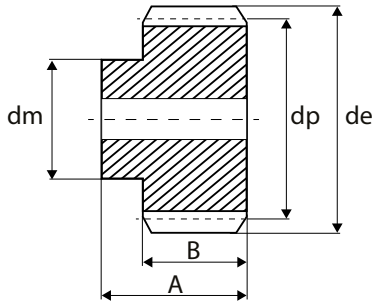
Code	No. teeth	Pitch Ø dp	Outside Ø de	Hub/Boss Ø dm	Bore Ø H8	O/A width A	Face width B
SSDP10/12B	12	1.2	1.4	0.875	0.625	1.625	1
SSDP10/14B	14	1.4	1.6	0.937	0.625	1.625	1
SSDP10/15B	15	1.5	1.7	1.125	0.75	1.625	1
SSDP10/16B	16	1.6	1.8	1.25	0.75	1.625	1
SSDP10/18B	18	1.8	2	1.375	0.75	1.625	1
SSDP10/20B	20	2	2.2	1.5	0.75	1.625	1
SSDP10/24B	24	2.4	2.6	1.5	0.75	1.625	1
SSDP10/25B	25	2.5	2.7	1.5	0.75	1.625	1
SSDP10/28B	28	2.8	3	1.5	0.75	1.875	1
SSDP10/30B	30	3	3.2	1.5	0.75	1.875	1
SSDP10/32B	32	3.2	3.4	1.5	0.75	1.875	1
SSDP10/35B	35	3.5	3.7	1.5	0.75	1.875	1
SSDP10/36B	36	3.6	3.8	1.5	0.75	1.875	1
SSDP10/40B	40	4	4.2	2.5	0.875	1.875	1
SSDP10/42B	42	4.2	4.4	2.5	0.875	1.875	1
SSDP10/45B	45	4.5	4.7	2.5	0.875	1.875	1
SSDP10/48B	48	4.8	5	2.5	0.875	1.875	1
SSDP10/50B	50	5	5.2	2.5	0.875	1.875	1
SSDP10/54B	54	5.4	5.6	2.5	0.875	1.875	1
SSDP10/55B	55	5.5	5.7	2.5	0.875	1.875	1
SSDP10/60B	60	6	6.2	2.5	0.875	1.875	1

Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked gears please contact our Manufacturing Department for a quotation.

Imperial Spur Gears in Steel 12 DP, 20° P.A

DRIVEFLEX

Imperial Spur



TYPE B

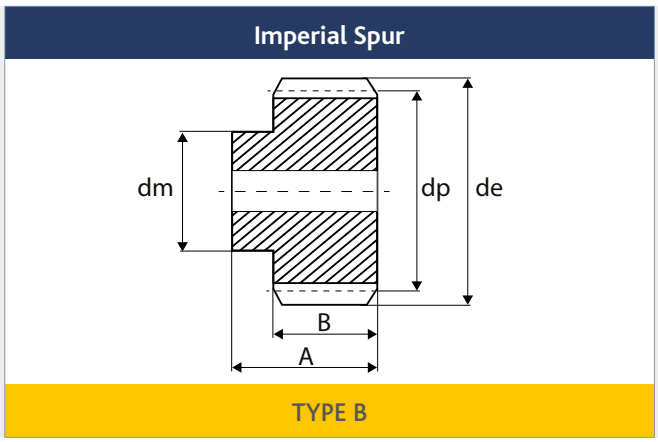
- Intermediate sizes and special gears to drawing up to 39" diameter
- Standard tolerances, unless otherwise stated ±0.010 ins
- Standard: BS 436 Pt1, fig 1. Grade 8 / 9
- All dimensions in inches
- Steel EN8, (080M40/080M46) or equivalent

Code	No. teeth	Pitch Ø dp	Outside Ø de	Hub/Boss Ø dm	Bore Ø H8	O/A width A	Face width B
SSDP12/12B	12	1	1.167	0.75	0.5	1.25	0.75
SSDP12/13B	13	1.083	1.25	0.75	0.5	1.25	0.75
SSDP12/14B	14	1.167	1.334	0.88	0.5	1.25	0.75
SSDP12/15B	15	1.25	1.417	1	0.625	1.25	0.75
SSDP12/16B	16	1.333	1.5	1	0.625	1.25	0.75
SSDP12/18B	18	1.5	1.667	1.25	0.625	1.25	0.75
SSDP12/20B	20	1.667	1.834	1.25	0.625	1.25	0.75
SSDP12/21B	21	1.75	1.917	1.25	0.625	1.25	0.75
SSDP12/22B	22	1.833	2	1.25	0.625	1.25	0.75
SSDP12/24B	24	2	2.167	1.25	0.625	1.25	0.75
SSDP12/30B	30	2.5	2.667	1.25	0.625	1.25	0.75
SSDP12/32B	32	2.667	2.834	1.25	0.625	1.25	0.75
SSDP12/36B	36	3	3.167	1.25	0.625	1.25	0.75
SSDP12/40B	40	3.333	3.5	2.5	0.625	1.25	0.75
SSDP12/48B	48	4	4.167	2.5	0.75	1.5	0.75
SSDP12/54B	54	4.5	4.667	2.5	0.75	1.5	0.75
SSDP12/60B	60	5	5.167	2.5	0.75	1.5	0.75
SSDP12/64B	64	5.333	5.5	2.5	0.75	1.5	0.75
SSDP12/72B	72	6	6.167	2.5	0.75	1.5	0.75

Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked gears please contact our Manufacturing Department for a quotation.

Imperial Spur Gears in Steel 16 DP, 20° P.A

DRIVEFLEX



- Intermediate sizes and special gears to drawing up to 39" diameter
- Standard tolerances, unless otherwise stated ±0.010 ins
- Standard: BS 436 Pt1, fig 1. Grade 8 / 9
- All dimensions in inches
- Steel EN8, (080M40/080M46) or equivalent

Code	No. teeth	Pitch Ø dp	Outside Ø de	Hub/Boss Ø dm	Bore Ø H8	O/A width A	Face width B
SSDP16/12B	12	0.75	0.875	0.56	0.375	0.937	0.5
SSDP16/13B	13	0.813	0.938	0.63	0.375	0.937	0.5
SSDP16/14B	14	0.875	1	0.69	0.375	0.937	0.5
SSDP16/15B	15	0.938	1.063	0.75	0.5	0.937	0.5
SSDP16/16B	16	1	1.125	0.81	0.5	0.937	0.5
SSDP16/18B	18	1.125	1.25	0.94	0.5	0.937	0.5
SSDP16/20B	20	1.25	1.375	1	0.5	0.937	0.5
SSDP16/22B	22	1.375	1.5	1	0.5	0.937	0.5
SSDP16/24B	24	1.5	1.625	1	0.5	0.937	0.5
SSDP16/26B	26	1.625	1.75	1	0.5	0.937	0.5
SSDP16/28B	28	1.75	1.875	1.25	0.625	1	0.5
SSDP16/30B	30	1.875	2	1.25	0.625	1	0.5
SSDP16/32B	32	2	2.125	1.25	0.625	1	0.5
SSDP16/36B	36	2.25	2.375	1.25	0.625	1	0.5
SSDP16/40B	40	2.5	2.625	1.25	0.625	1	0.5
SSDP16/48B	48	3	3.125	1.25	0.625	1	0.5
SSDP16/54B	54	3.375	3.5	1.25	0.625	1	0.5
SSDP16/56B	56	3.5	3.625	1.25	0.625	1	0.5
SSDP16/60B	60	3.75	3.875	1.25	0.625	1.125	0.5
SSDP16/64B	64	4	4.125	1.25	0.625	1.125	0.5

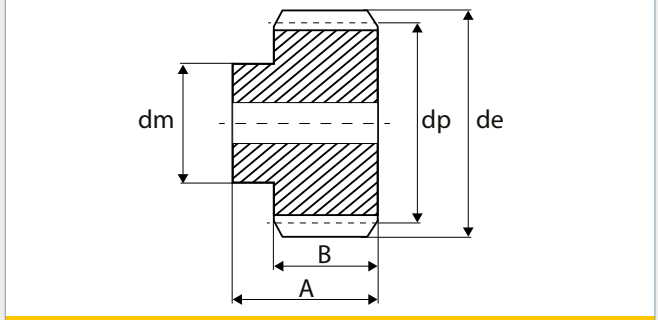
Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked gears please contact our Manufacturing Department for a quotation.

Imperial Spur Gears in Steel 20 DP, 20° P.A

778

DRIVEFLEX

Imperial Spur



TYPE B

- Intermediate sizes and special gears to drawing up to 39" diameter
- Standard tolerances, unless otherwise stated ±0.010 ins
- Standard: BS 436 Pt1, fig 1. Grade 8 / 9
- All dimensions in inches
- Steel EN8, (080M40/080M46) or equivalent

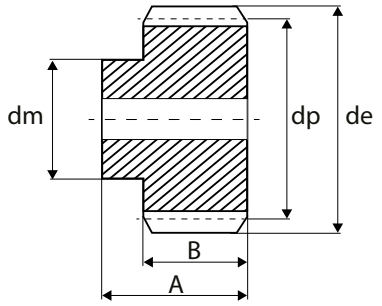
Code	No. teeth	Pitch Ø dp	Outside Ø de	Hub/Boss Ø dm	Bore Ø H8	O/A width A	Face width B
SSDP20/12B	12	0.6	0.7	0.44	0.3125	0.75	0.375
SSDP20/13B	13	0.65	0.75	0.47	0.3125	0.75	0.375
SSDP20/14B	14	0.7	0.8	0.5	0.3125	0.75	0.375
SSDP20/15B	15	0.75	0.85	0.56	0.375	0.75	0.375
SSDP20/16B	16	0.8	0.9	0.625	0.375	0.75	0.375
SSDP20/18B	18	0.9	1	0.69	0.375	0.75	0.375
SSDP20/20B	20	1	1.1	0.75	0.375	0.75	0.375
SSDP20/22B	22	1.1	1.2	0.75	0.375	0.75	0.375
SSDP20/24B	24	1.2	1.3	0.75	0.375	0.75	0.375
SSDP20/25B	25	1.25	1.35	0.75	0.375	0.75	0.375
SSDP20/28B	28	1.4	1.5	0.75	0.375	0.75	0.375
SSDP20/30B	30	1.5	1.6	0.75	0.375	0.75	0.375
SSDP20/32B	32	1.6	1.7	1	0.5	0.875	0.375
SSDP20/35B	35	1.75	1.85	1	0.5	0.875	0.375
SSDP20/36B	36	1.8	1.9	1	0.5	0.875	0.375
SSDP20/40B	40	2	2.1	1	0.5	0.875	0.375
SSDP20/48B	48	2.4	2.5	1	0.5	0.875	0.375
SSDP20/50B	50	2.5	2.6	1	0.5	0.875	0.375
SSDP20/60B	60	3	3.1	1	0.5	0.875	0.375
SSDP20/64B	64	3.2	3.3	1	0.5	0.875	0.375

Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked gears please contact our Manufacturing Department for a quotation.

Imperial Spur Gears in Steel 24 DP, 20° P.A

DRIVEFLEX

Imperial Spur



TYPE B

- Intermediate sizes and special gears to drawing up to 39" diameter
- Standard tolerances, unless otherwise stated ±0.010 ins
- Standard: BS 436 Pt1, fig 1. Grade 8 / 9
- All dimensions in inches
- Steel EN8, (080M40/080M46) or equivalent

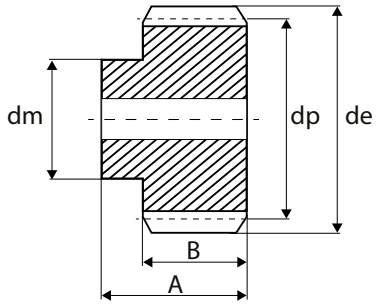
Code	No. teeth	Pitch Ø dp	Outside Ø de	Hub/Boss Ø dm	Bore Ø H8	O/A width A	Face width B
SSDP24/15B	15	0.625	0.708	0.484	0.3125	0.625	0.312
SSDP24/20B	20	0.833	0.916	0.625	0.3125	0.625	0.312
SSDP24/24B	24	1	1.083	0.625	0.3125	0.625	0.312
SSDP24/25B	25	1.042	1.125	0.625	0.3125	0.625	0.312
SSDP24/30B	30	1.250	1.333	0.750	0.375	0.75	0.312
SSDP24/35B	35	1.458	1.541	0.750	0.375	0.75	0.312
SSDP24/40B	40	1.667	1.750	0.750	0.375	0.75	0.312
SSDP24/45B	45	1.875	1.958	0.750	0.375	0.75	0.312
SSDP24/48B	48	2	2.083	0.750	0.375	0.75	0.312
SSDP24/50B	50	2.083	2.166	0.750	0.375	0.75	0.312
SSDP24/55B	55	2.292	2.375	0.750	0.375	0.75	0.312
SSDP24/60B	60	2.500	2.583	1	0.5	0.812	0.312
SSDP24/63B	63	2.625	2.708	1	0.5	0.812	0.312
SSDP24/65B	65	2.708	2.791	1	0.5	0.812	0.312
SSDP24/70B	70	2.917	3	1	0.5	0.812	0.312
SSDP24/75B	75	3.125	3.208	1	0.5	0.812	0.312
SSDP24/80B	80	3.333	3.416	1	0.5	0.812	0.312
SSDP24/85B	85	3.542	3.625	1.250	0.5	0.937	0.312
SSDP24/90B	90	3.750	3.833	1.250	0.5	0.937	0.312
SSDP24/95B	95	3.958	4.041	1.250	0.5	0.937	0.312
SSDP24/96B	96	4	4.083	1.250	0.5	0.937	0.312
SSDP24/100B	100	4.167	4.250	1.250	0.5	0.937	0.312
SSDP24/120B	120	5	5.083	1.250	0.5	0.937	0.312

Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked gears please contact our Manufacturing Department for a quotation.

Imperial Spur Gears in Steel 32 DP, 20° P.A

DRIVEFLEX

Imperial Spur



TYPE B

- Intermediate sizes and special gears to drawing up to 39" diameter
- Standard tolerances, unless otherwise stated ±0.010 ins
- Standard: BS 436 Pt1, fig 1. Grade 8 / 9
- All dimensions in inches
- Steel EN8, (080M40/080M46) or equivalent

Code	No. teeth	Pitch Ø dp	Outside Ø de	Hub/Boss Ø dm	Bore Ø H8	O/A width A	Face width B
SSDP32/15B	15	0.469	0.531	0.359	0.1875	0.562	0.25
SSDP32/16B	16	0.5	0.562	0.359	0.1875	0.562	0.25
SSDP32/20B	20	0.625	0.687	0.5	0.25	0.5	0.25
SSDP32/25B	25	0.781	0.843	0.5	0.25	0.5	0.25
SSDP32/30B	30	0.938	1	0.5	0.25	0.5	0.25
SSDP32/32B	32	1	1.062	0.5	0.25	0.5	0.25
SSDP32/35B	35	1.094	1.156	0.625	0.3125	0.563	0.25
SSDP32/40B	40	1.25	1.312	0.625	0.3125	0.563	0.25
SSDP32/45B	45	1.406	1.468	0.625	0.3125	0.563	0.25
SSDP32/50B	50	1.563	1.625	0.625	0.3125	0.563	0.25
SSDP32/55B	55	1.719	1.781	0.625	0.3125	0.563	0.25
SSDP32/60B	60	1.875	1.937	0.75	0.375	0.625	0.25
SSDP32/63B	63	1.969	2.031	0.75	0.375	0.625	0.25
SSDP32/64B	64	2	2.062	0.75	0.375	0.625	0.25
SSDP32/65B	65	2.031	2.093	0.75	0.375	0.625	0.25
SSDP32/70B	70	2.188	2.25	0.75	0.375	0.625	0.25
SSDP32/75B	75	2.344	2.406	0.75	0.375	0.625	0.25
SSDP32/80B	80	2.5	2.562	0.75	0.375	0.625	0.25
SSDP32/85B	85	2.656	2.718	0.75	0.375	0.625	0.25
SSDP32/90B	90	2.813	2.875	0.75	0.375	0.625	0.25
SSDP32/95B	95	2.969	3.031	0.75	0.375	0.625	0.25
SSDP32/96B	96	3	3.062	0.75	0.375	0.625	0.25
SSDP32/100B	100	3.125	3.187	0.75	0.375	0.625	0.25
SSDP32/120B	120	3.75	3.812	0.75	0.375	0.625	0.25

Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked gears please contact our Manufacturing Department for a quotation.

DRIVEFLEX

Metric and Imperial Racks, Helical Racks & Pinions



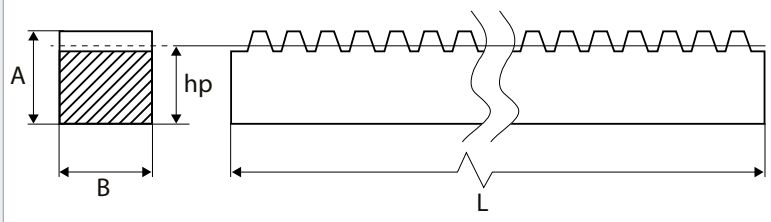
- BRITISH OR DIN STANDARDS
- EXTENSIVE RANGE
- HIGH QUALITY
- EN8 STEEL, STAINLESS STEEL 303/304 AND PLASTIC
- FULL TECHNICAL SUPPORT

Metric Racks in Steel 0.5 - 8.0 MOD, 20° P.A

708 - 729

DRIVEFLEX

Metric Rack



Steel

- Can be induction or flame hardened
- Intermediate sizes and special racks to drawing
- Standards: to DIN 867, 3962, 3963, Grade/Quality 9 or equivalent
- Standard tolerances, unless otherwise stated ±0.25mm
- All dimensions in mm
- Steel EN8, (080M40, 080M46, 212A42), normalised or equivalent

Code	Pitch module	Width B	Height A	Height to pitch line hp	Length L
SR05/5/.3	0.5	5	10	9.5	300
SR05/6/.4	0.5	6	12	11.5	400
SR07/5/.3	0.7	5	10	9.3	300
SR07/6/.4	0.7	6	12	11.3	400
SR08/6/.3	0.8	6	12	11.2	300
SR10/6/.3	1	6	12	11	300
SR10/10/.5	1	10	10	9	500
SR10/10/1	1	10	10	9	1000
SR10/10H/.5a	1	10	12	11	500
SR10/10H/1a	1	10	12	11	1000
SR10/10H/2a	1	10	12	11	2020
SR10/10EH/2	1	10	15	14	2000
SR10/8/.5	1	8	15	14	500
SR10/8/1	1	8	15	14	1004
SR10/15/.5	1	15	15	14	500
SR10/15/1	1	15	15	14	1000
SR10/15/2	1	15	15	14	2000
SR12.5/8/.4	1.25	8	15	13.75	400
SR12.5/8/1	1.25	8	15	13.75	1000
SR12.5/10/.5	1.25	10	10	8.75	500
SR12.5/10/1	1.25	10	10	8.75	1000
SR15/10/.5	1.5	10	10	8.5	500
SR15/10/1	1.5	10	10	8.5	1000
SR15/12/.5	1.5	12	12	10.5	500
SR15/12/1	1.5	12	12	10.5	1000
SR15/12/2	1.5	12	12	10.5	2000
SR15/15H/.5a	1.5	15	20	18.5	500
SR15/15H/1a	1.5	15	20	18.5	1000
SR15/15H/2a	1.5	15	20	18.5	2020
SR15/15/2	1.5	15	15	13.5	2000
SR15/15/1	1.5	15	15	13.5	1000
SR15/17/.5	1.5	17	17	15.5	500
SR15/17/1	1.5	17	17	15.5	1000
SR15/17/2	1.5	17	17	15.5	2000
SR15/18/1	1.5	18	18	16.5	1000
SR15/18/2	1.5	18	18	16.5	2000
SR15/20H/2	1.5	20	30	28.5	2000
SR20/10/1	2	10	10	8	1000
SR20/18/1	2	18	18	16	1000
SR20/18/2	2	18	18	16	2000

Code	Pitch module	Width B	Height A	Height to pitch line hp	Length L
SR20/20/.5	2	20	20	18	500
SR20/20/1	2	20	20	18	1000
SR20/20/1.5	2	20	20	18	1500
SR20/20/2	2	20	20	18	2000
SR20/20H/.5a	2	20	25	23	500
SR20/20H/1a	2	20	25	23	1000
SR20/20H/2a	2	20	25	23	2020
SR25/25/.5	2.5	25	25	22.5	500
SR25/25/1	2.5	25	25	22.5	1000
SR25/25/2	2.5	25	25	22.5	2000
SR25/25H/.5a	2.5	25	30	27.5	500
SR25/25H/1a	2.5	25	30	27.5	1000
SR25/25H/2a	2.5	25	30	27.5	2000
SR30/30/.5	3	30	30	27	500
SR30/30/1	3	30	30	27	1000
SR30/30/2	3	30	30	27	2000
SR30/30H/1	3	30	35	32	1000
SR40/30/2	4	30	30	26	2000
SR40/12/1**	4	12	30	26	1004.74
SR40/12/2**	4	12	30	26	2010
SR40/40/.5	4	40	40	36	500
SR40/40/1	4	40	40	36	1000
SR40/40/2	4	40	40	36	2000
SR40/40H/1	4	40	45	41	1000
SR50/30/1	5	30	30	25	1004
SR50/30/2	5	30	30	25	2009
SR50/50/.5	5	50	50	45	500
SR50/50/1	5	50	50	45	1000
SR50/50/2	5	50	50	45	2000
SR60/60L/.5	6	60	40	34	500
SR60/60L/1	6	60	40	34	1000
SR60/60L/2	6	60	40	34	2000
SR60/60/.5	6	60	60	54	500
SR60/60/1	6	60	60	54	1000
SR60/60/2	6	60	60	54	2000
SR80/60/1	8	60	60	52	1000
SR80/60/2	8	60	60	52	2000
SR80/80/1	8	80	80	72	1000
SR80/80/2	8	80	80	72	2000

Please note: **Rack SR40/12/1 supplied with three pre-drilled mounting holes and five holes in SR40/12/2 a = Black Oxide Finish. All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation. For special or reworked racks please contact our Manufacturing Department for a quotation.

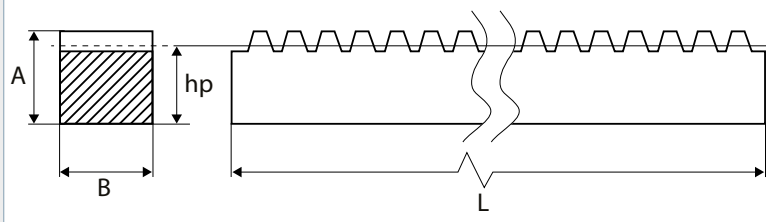
24hr Breakdown available Customisable product Product code builder Compatible product

Metric Racks in Steel, Continuous Mounting 1.0 - 8.0 MOD, 20° P.A

DRIVEFLEX

24 711 - 729

Metric Rack



Steel continuous mounting

- Can be induction or flame hardened
- Intermediate sizes and special racks to drawing
- Standards: to DIN 867, 3962, 3963, Grade/Quality 9 or equivalent
- Standard tolerances, unless otherwise stated ±0.25mm
- All dimensions in mm
- Steel EN8, (080M40, 080M46, 212A42), normalised or equivalent

Code	Pitch module	Width B	Height A	Height to pitch line hp	No. teeth	Length L
SR10/15/1C	1	15	15	14	318	999.02
SR10/15/2C	1	15	15	14	636	1998.05
SR10/15/3C	1	15	15	14	955	3002.22
SR15/17/1C	1.5	17	17	15.5	212	999.02
SR15/17/2C	1.5	17	17	15.5	424	1998.05
SR15/17/3C	1.5	17	17	15.5	637	3001.79
SR20/20/1C	2	20	20	18	159	999.02
SR20/20/2C	2	20	20	18	318	1998.05
SR20/20/3C	2	20	20	18	478	3003.36
SR25/25/1C	2.5	25	25	22.5	127	997.45
SR25/25/2C	2.5	25	25	22.5	255	2002.77
SR25/25/3C	2.5	25	25	22.5	382	3000.22
SR30/30/1C	3	30	30	27	106	999.02
SR30/30/2C	3	30	30	27	212	1998.05
SR30/30/3C	3	30	30	27	319	3006.5
SR40/40/1C	4	40	40	36	80	1005.31
SR40/40/2C	4	40	40	36	159	1998.05
SR40/40/3C	4	40	40	36	239	3003.36
SR40/50/2C	4	50	50	46	159	1998.05
SR50/50/1C	5	50	50	45	64	1005.31
SR50/50/2C	5	50	50	45	128	2010.62
SR50/50/3C	5	50	50	45	191	3000.22
SR60/60/1C	6	60	60	54	53	999.02
SR60/60/2C	6	60	60	54	106	1998.05
SR80/80/1C	8	80	80	72	40	1005.3
SR80/80/2C	8	80	80	72	80	2010.62

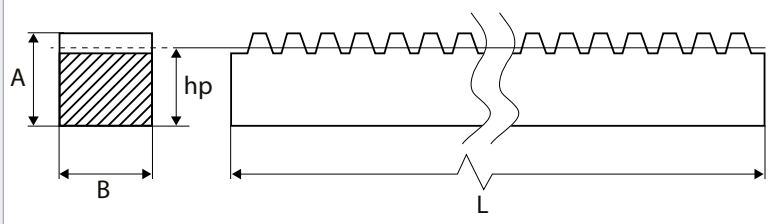
Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked racks please contact our Manufacturing Department for a quotation.

Metric Racks in Steel, Continuous Mounting, Hardened Teeth 1.0 - 8.0 MOD, 20° P.A

711 - 729

DRIVEFLEX

Metric Rack



Steel continuous mounting hardened teeth

- Intermediate sizes and special racks to drawing
- Standards: to DIN 867, 3962, 3963, Grade/Quality 9 or equivalent
- Standard tolerances, unless otherwise stated ±0.25mm
- All dimensions in mm
- Steel EN8, (080M40, 080M46, 212A42), normalised or equivalent

Code	Pitch module	Width B (h11)	Height A (h11)	Height to pitch line hp	Tolerance of cut for continuous mounting	No. teeth	Length L
SR10/15/1CIHT	1	15	15	14	-0.05/-0.33	319	1001
SR10/15/2CIHT	1	15	15	14	-0.05/-0.33	637	2002
SR15/17/1CIHT	1.5	17	17	15.5	-0.05/-0.49	213	1001
SR15/17/2CIHT	1.5	17	17	15.5	-0.05/-0.49	425	2002
SR20/20/1CIHT	2	20	20	18	-0.05/-0.66	159	999.02
SR20/20/2CIHT	2	20	20	18	-0.05/-0.66	318	1998.05
SR25/25/1CIHT	2.5	25	25	22.5	-0.05/-0.82	127	997.45
SR25/25/2CIHT	2.5	25	25	22.5	-0.05/-0.82	255	2002.77
SR30/30/1CIHT	3	30	30	27	-0.05/-0.99	106	999.02
SR30/30/2CIHT	3	30	30	27	-0.05/-0.99	212	1998.05
SR40/40/1CIHT	4	40	40	36	-0.05/-1.32	80	1005.31
SR40/40/2CIHT	4	40	40	36	-0.05/-1.32	159	1998.05
SR40/50/2CIHT	4	50	50	46	-0.05/-1.32	159	1998.05
SR50/50/1CIHT	5	50	50	45	-0.05/-1.65	64	1005.31
SR50/50/2CIHT	5	50	50	45	-0.05/-1.65	128	2010.62
SR60/60/1CIHT	6	60	60	54	-0.05/-1.98	53	999.02
SR60/60/2CIHT	6	60	60	54	-0.05/-1.98	106	1998.05
SR80/80/1CIHT	8	80	80	72	-0.05/-2.64	40	1005.3
SR80/80/2CIHT	8	80	80	72	-0.05/-2.64	80	2010.62

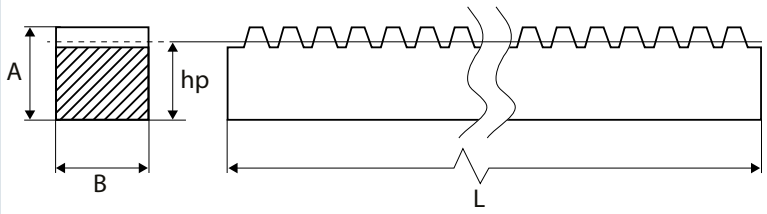
- Mounting holes can be added to racks if required
- Cumulative tooth pitch error (1000mm) = 0.15mm
- Adjacent tooth pitch error = 0.008 mm
- Rack tooth quality 9h27
- Teeth induction hardened to 50-55 HRC

Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked racks please contact our Manufacturing Department for a quotation.

Metric Racks in Steel, on Imperial Bases 0.8 - 5.0 MOD, 20° P.A

DRIVEFLEX

Metric Rack



Steel on imperial base

- Can be induction or flame hardened
- Intermediate sizes and special racks to drawing
- Standards: to DIN 867, 3962, 3963, Grade/Quality 9 or equivalent
- Standard tolerances, unless otherwise stated ±0.25mm
- All dimensions in mm
- Steel EN8, (080M40, 080M46, 212A42), normalised or equivalent

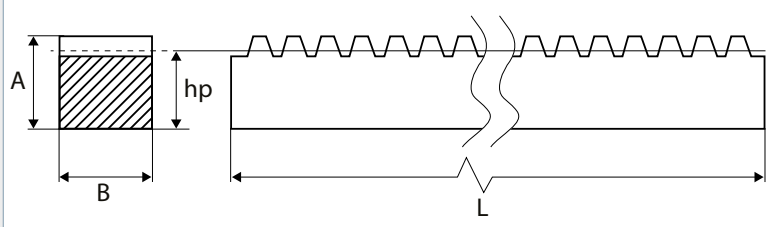
Code	Pitch module	Width B	Height A	Height to pitch line hp	Length L
SR08/9.52/.5	0.8	9.52	9.52	8.72	500
SR08/9.52/1	0.8	9.52	9.52	8.72	1000
SR10/12.7/.5	1	12.7	12.7	11.7	500
SR10/12.7/1	1	12.7	12.7	11.7	1000
SR12.5/12/.5	1.25	12.7	12.7	11.45	500
SR12.5/12/1	1.25	12.7	12.7	11.45	1000
SR15/19/.5	1.5	19.05	19.05	17.55	500
SR15/19/1	1.5	19.05	19.05	17.55	1000
SR15/19/2	1.5	19.05	19.05	17.55	2000
SR20/19/.5	2	19.05	19.05	17.05	500
SR20/19/1	2	19.05	19.05	17.05	1000
SR20/19/2	2	19.05	19.05	17.05	2000
SR25/25.4/.5	2.5	25.4	25.4	22.9	500
SR25/25.4/1	2.5	25.4	25.4	22.9	1000
SR25/25.4/2	2.5	25.4	25.4	22.9	2000
SR30/31.7/.5	3	31.75	31.75	28.75	500
SR30/31.7/1	3	31.75	31.75	28.75	1000
SR30/31.7/2	3	31.75	31.75	28.75	2000
SR40/38/.5	4	38.1	38.1	34.1	500
SR40/38/1	4	38.1	38.1	34.1	1000
SR40/38/2	4	38.1	38.1	34.1	2000
SR50/50.8/1	5	50.8	50.8	45.8	1000
SR50/50.8/2	5	50.8	50.8	45.8	2000

Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked racks please contact our Manufacturing Department for a quotation.

Metric Racks in Stainless Steel, 0.5 – 4.0 MOD, 20° P.A

DRIVEFLEX

Metric Rack



Stainless Steel

- Intermediate sizes and special racks to drawing
- Standards: to DIN 867, 3962, 3963, Grade/Quality 9 or equivalent
- Standard tolerances, unless otherwise stated ±0.25mm
- All dimensions in mm
- Stainless Steel AISI 303/304

Code	Pitch module	Width B	Height A	Height to pitch line hp	Length L
STR05/6/.4	0.5	6	12	11.5	400
STR07/6/.4	0.7	6	12	11.3	400
STR08/6/.4	0.8	6	12	11.2	400
STR10/10/.5	1	10	10	9	500
STR10/10/1	1	10	10	9	1000
STR10/10/2	1	10	10	9	2000
STR10/10H/.5	1	10	12	11	500
STR10/8/.5	1	8	15	14	500
STR10/8/1	1	8	15	14	1000
STR10/15/.5	1	15	15	14	500
STR15/15/.5	1.5	15	15	13.5	500
STR15/15/1	1.5	15	15	13.5	1000
STR15/15/2	1.5	15	15	13.5	2000
STR20/20/.5	2	20	20	18	500
STR20/20/1	2	20	20	18	1000
STR20/20/2	2	20	20	18	2000
STR25/25/.5	2.5	25	25	22.5	500
STR25/25/1	2.5	25	25	22.5	1000
STR25/25/2	2.5	25	25	22.5	2000
STR30/30/.5	3	30	30	27	500
STR30/30/1	3	30	30	27	1000
STR30/30/2	3	30	30	27	2000
STR40/40/1	4	40	40	36	1000
STR40/40/2	4	40	40	36	2000

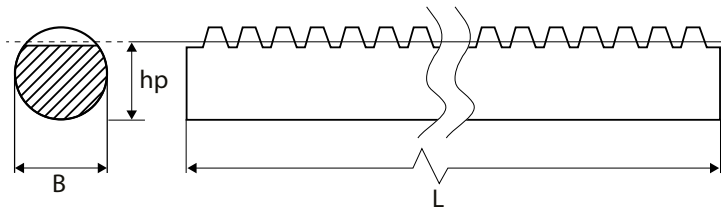
Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked racks please contact our Manufacturing Department for a quotation.

Metric Round Section Racks in Steel 1 - 4 MOD, 20° P.A

DRIVEFLEX

24 711 - 724

Metric Rack



Round section

- Can be induction or flame hardened
- Intermediate sizes and special racks to drawing
- Standards: to DIN 867, 3962, 3963, Grade/Quality 9 or equivalent
- Standard tolerances, unless otherwise stated ±0.25mm
- All dimensions in mm
- Steel EN8, (080M40, 080M46, 212A42), normalised or equivalent

Code	Pitch module	Rack Ø B H7	Pitch height tolerance	Height to pitch line hp	Length L
SR10/10R/.5	1	10	+0mm /- 0.05mm	9	500
SR10/10R/1	1	10	+0mm /- 0.05mm	9	1000
SR15/15R/.5	1.5	15	+0mm /- 0.05mm	13.5	500
SR15/15R/1	1.5	15	+0mm /- 0.05mm	13.5	1000
SR15/15R/2	1.5	15	+0mm /- 0.05mm	13.5	2000
SR20/20R/.5	2	20	+0mm /- 0.05mm	18	500
SR20/20R/1	2	20	+0mm /- 0.05mm	18	1000
SR20/20R/2	2	20	+0mm /- 0.05mm	18	2000
SR25/25R/.5	2.5	25	+0mm /- 0.05mm	22.5	500
SR25/25R/1	2.5	25	+0mm /- 0.05mm	22.5	1000
SR30/30R/.5	3	30	+0mm /- 0.05mm	27	500
SR30/30R/1	3	30	+0mm /- 0.05mm	27	1000
SR30/30R/2	3	30	+0mm /- 0.05mm	27	2000
SR40/40R/.5	4	40	+0mm /- 0.05mm	36	500
SR40/40R/1	4	40	+0mm /- 0.05mm	36	1000

Metric Round Section Rack in Stainless Steel 2 MOD, 20° P.A.

732

Code	Pitch module	Rack Ø B H8	Pitch height tolerance	Height to pitch line hp	Length L
STR20/20R/1C	2	20	+0 /-0.05 mm	18	1000

- Stainless Steel - AISI 303/304

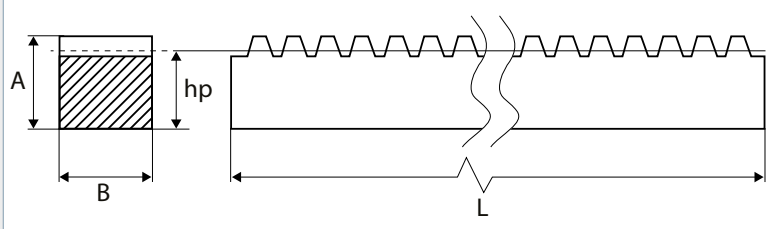
Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked racks please contact our Manufacturing Department for a quotation.

Metric Racks in Acetal/DELRIN®, 0.5 - 3.0 MOD, 20° P.A

754 - 756

DRIVEFLEX

Metric Rack



Acetal/DELRIN®

- Intermediate sizes and special racks to drawing
- Standards: to DIN 867, 3962, 3963, Grade/Quality 9 or equivalent
- Standard tolerances, unless otherwise stated ±0.25mm
- All dimensions in mm
- Acetal/DELRIN® racks teeth machined

Code	Pitch module	Width B	Overall height A	Height to pitch line hp	Length L
DR05/6/.4	0.5	6	12	11.5	400
DR07/6/.4	0.7	6	12	11.30	400
DR08/6/.4	0.8	6	12	11.2	400
PR10/10H/.5**	1	10	12	11	500
DR10/10/.5	1	10	10	9	500
DR10/10/1	1	10	10	9	1000
DR10/8/.4	1	8	15	14	400
DR10/8/1	1	8	15	14	1000
DR10/15/.5	1	15	15	14	500
DR10/15/1	1	15	15	14	1000
DR12.5/10/.5	1.25	10	10	8.75	500
DR15/12/.4	1.5	12	18	16.50	400
DR15/12/1	1.5	12	18	16.50	1000
DR15/12/1.503***	1.5	12	18	16.50	1503
DR15/17/.5	1.5	17	17	15.5	500
DR15/17/1	1.5	17	17	15.5	1000
DR20/15/.4	2	15	20	18	400
DR20/20/.5	2	20	20	18	500
DR20/20/1	2	20	20	18	1000
DR20/20/2	2	20	20	18	2000
DR25/25/1	2.5	25	25	22.5	1000
DR25/25/2	2.5	25	25	22.5	2000
DR30/30/1	3	30	30	27	1000
DR30/30/2	3	30	30	27	2000

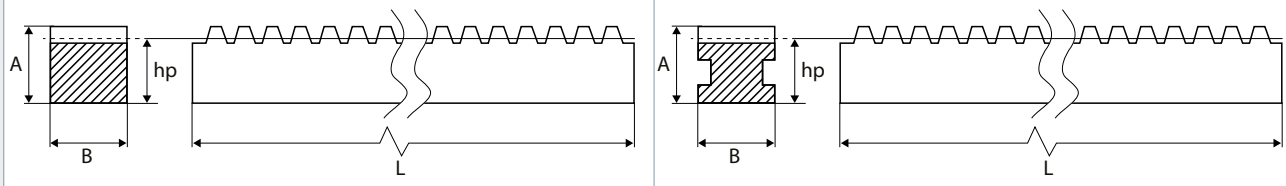
Please note: * * Material for PR10/10H/.5 is HS Blue. *** Rack comes with 15 x 8.0 mm clearance holes (counterbored 11.0 x 6.5 deep) 7.0 hole centreline distance to rack base. Please enquire about hole pitch centres. All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation. For special or reworked racks please contact our Manufacturing Department for a quotation.

Metric Moulded Racks in 30% Glass Filled Nylon 6, 0.5 - 4 MOD, 20° P.A

DRIVEFLEX

24 736 - 741

Metric Rack



S | T - with mounting tags

Code	Pitch module	Type	Width B	Height A	Height to pitch line hp	Length L
PR05/8/.25	0.5	S	8	8	7.5	250
PR10/15/.15T	1.0	*T*	15	13.16	12.2	150
PR10/15/.25T	1.0	*T*	15	13.16	12.2	250
PR10/15/.25C	1.0	S	15	15	14	250
PR15/17/.25	1.5	S	17	17	15.5	250
PR15/17/.5	1.5	S	17	17	15.5	500
PR15/17/1	1.5	S	17	17	15.5	1000
PR20/20/.25	2.0	S	20	20	18	250
PR20/20/.5	2.0	S	20	20	18	566
PR20/20/1	2.0	S	20	20	18	1000
PR30/30/.5	3.0	S	30	30	27	500
PR30/30/1	3.0	S	30	30	27	1000
PR40/28/1	4.0	S	20	28	24	1000

- Intermediate sizes and special racks to drawing
- Module 1.5 to 4.0 have a steel core
- All dimensions in mm
- 30% Glass filled Nylon 6

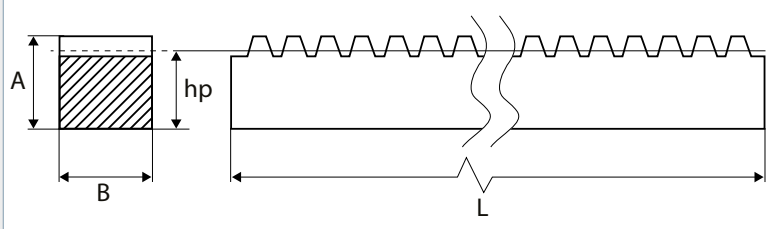
Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked racks please contact our Manufacturing Department for a quotation.

Metric Racks, Moulded HOSTAFORM® C, 0.5 - 3.0 MOD, 20° P.A

24 742 - 753

DRIVEFLEX

Metric Rack



Moulded HOSTAFORM®

- Intermediate sizes and special racks to drawing
- Standards: to DIN 3962, 3963, 3967 Grade 12
- Standard tolerances, unless otherwise stated ±0.25mm
- All dimensions in mm
- White HOSTAFORM® C
- Also available in hard-wearing Polyketone material

Code	Pitch module	Width B	Overall height A	Height to pitch line hp	Length L
WPR05/4/.25	0.5	4	4.5	4	250
WPR05/4H/.25	0.5	4	6	5.5	250
WPR07/6/.25	0.7	6	6.7	6	250
WPR10/9/.25	1	9	9	8	250
WPR12.5/10/.25	1.25	10	11	9.75	250
WPR15/12/.25	1.5	12	12	10.5	250
WPR20/15/.25	2	15.4	11	9	250
WPR25/17/.25	2.5	17	13	10.5	250
WPR30/19/.25	3	19.4	15	12	250

Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked racks please contact our Manufacturing Department for a quotation.

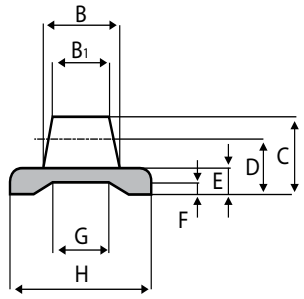


See HOSTAFORM® Metric Spur Gears – Page 742

Flexible Metric Racks in DURACON® 0.8 - 2.0 MOD, 20° P.A

DRIVEFLEX

Flexible Metric Racks



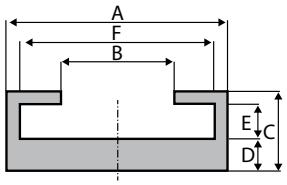
DURACON®

- Recommended minimum pinion size = 20 teeth
- Recommended minimum bending radius >=150mm
- Maximum working temperature = 100°C
- Duracon Flexible Racks are available in 2 metre lengths (±10 mm) and can easily be cut to the required length
- Special lengths up to 50 metres available on request
- DURACON® M25-44

Stock No.	Pitch module	Standard length (mm)	B (mm)	B1 (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)
PFR08/8/2	0.8	2000	3.8	3	3.3	2.5	1.5	0.7	3.7	8
PFR10/10/2	1	2000	5	4	4.3	3.3	2	0.9	4.9	10
PFR15/12/2	1.5	2000	6.5	5	5.7	4.2	2.3	1	8	12
PFR20/15/2	2	2000	8	6	7	5	2.5	1.1	10.1	15

AFR Aluminium Fixing Rail in Aluminium

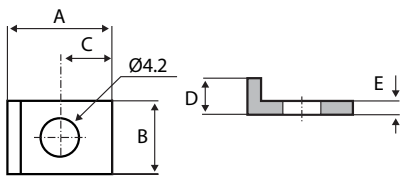
Stock No	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	Fixing rail length (mm)
AFR08/10/1	10.3	4.4	4.7	2	1.7	8.3	1000
AFR10/12/1	12.3	5.6	5.2	2	2.2	10.3	1000
AFR15/14/1	14.3	7.2	5.5	2	2.5	12.3	1000
AFR20/17/1	17.3	8.8	6.2	2.5	2.7	15.3	1000



- Aluminium A6063S

FKIT Rack Clamping Plates and Screws

Stock No	For rack module	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
FKIT0810	0.8 / 1.0	10.2	8	4.5	2.7	1.2
FKIT1520	1.5 / 2.0	11.4	8	5.6	3.9	1.4



- One fixing kit pack consists of 10 x M4 screws and 10 x plates

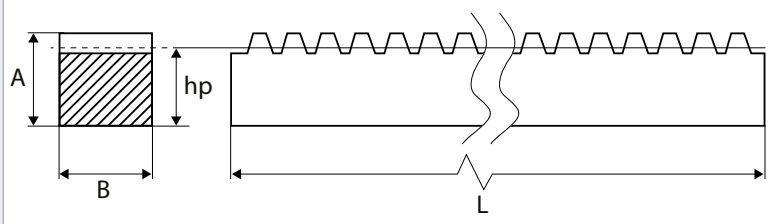
Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked racks please contact our Manufacturing Department for a quotation.

Imperial Racks in Steel, 4 - 32 DP, 20° P.A

24 759 - 766

DRIVEFLEX

Imperial Rack



Steel

- Can be induction or flame hardened
- Intermediate sizes and special racks to drawing
- Standard tolerances, unless otherwise stated ±0.010"
- Standard: BS 436 Pt1, fig 1. Grade 8 / 9
- All dimensions in inches except where shown
- Steel EN8, (080M40/080M46/C45) normalised or equivalent

Code	Pitch DP	Width B	Overall height A	Height to pitch line hp	Length L (mm)
SRDP4/38/.5	4	1.5"	1.5"	1.25"	500
SRDP4/38/1	4	1.5"	1.5"	1.25"	1000
SRDP4/38/2	4	1.5"	1.5"	1.25"	2000
SRDP6/38/.5	6	1.5"	1.5"	1.333"	500
SRDP6/38/1	6	1.5"	1.5"	1.333"	1000
SRDP6/38/2	6	1.5"	1.5"	1.333"	2000
SRDP8/25.4/.4	8	1.0"	0.50"	0.375"	400
SRDP8/32/.5	8	1.25"	1.25"	1.125"	500
SRDP8/32/1	8	1.25"	1.25"	1.125"	1000
SRDP8/32/2	8	1.25"	1.25"	1.125"	2000
SRDP10/25/.5	10	1.0"	1.0"	0.9"	500
SRDP10/25/1	10	1.0"	1.0"	0.9"	1000
SRDP10/19H/1.45	10	0.75"	1.50"	1.40"	1450
SRDP10/25/2	10	1.0"	1.0"	0.9"	2000
SRDP12/19/.3	12	0.75"	0.75"	0.667"	300
SRDP12/19/.5	12	0.75"	0.75"	0.667"	500
SRDP12/19/1	12	0.75"	0.75"	0.667"	1000
SRDP12/19/2	12	0.75"	0.75"	0.667"	2000
SRDP16/12/.3	16	0.5"	0.5"	0.437"	300
SRDP16/12/.5	16	0.5"	0.5"	0.437"	500
SRDP16/12/1	16	0.5"	0.5"	0.437"	1000
SRDP16/12/2	16	0.5"	0.5"	0.437"	2000
SRDP20/9/.3	20	0.375"	0.375"	0.325"	300
SRDP20/9/.5	20	0.375"	0.375"	0.325"	500
SRDP20/9/1	20	0.375"	0.375"	0.325"	1000
SRDP20/9/2	20	0.375"	0.375"	0.325"	2000
SRDP24/8/.3	24	0.312"	0.312"	0.270"	300
SRDP24/8/.5	24	0.312"	0.312"	0.270"	500
SRDP24/8/1	24	0.312"	0.312"	0.270"	1000
SRDP24/8/2	24	0.312"	0.312"	0.270"	2000
SRDP32/6/.3	32	0.25"	0.25"	0.219"	300
SRDP32/6/.5	32	0.25"	0.25"	0.219"	500
SRDP32/6/1	32	0.25"	0.25"	0.219"	1000
SRDP32/6/2	32	0.25"	0.25"	0.219"	2000

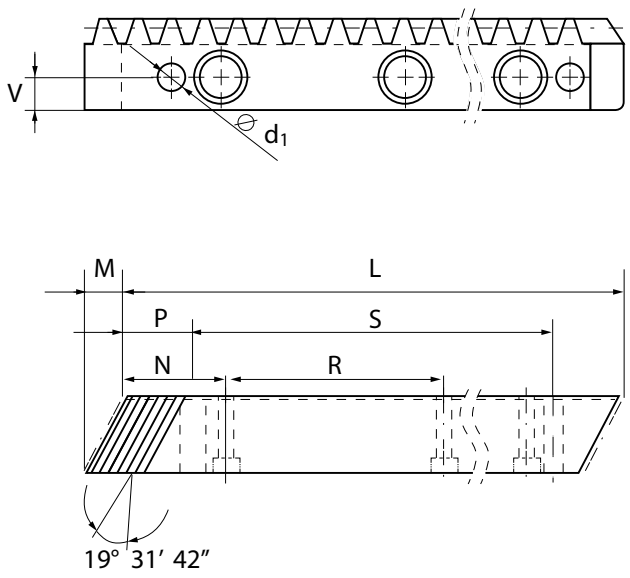
Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked racks please contact our Manufacturing Department for a quotation.

Metric Hardened & Ground Helical Racks, Continuous Mounting

1.5 - 6 MOD

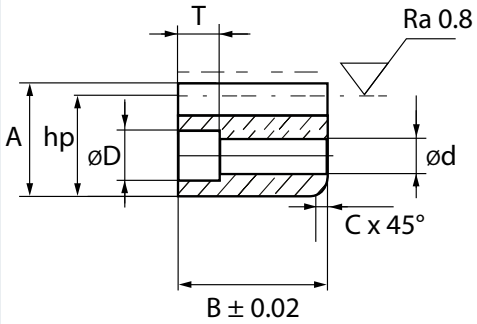
DRIVEFLEX

Helical Rack



Continuous mounting

Detail



Part No.	Module	L	M	No. teeth	B	A	Height to pitch hp	c	N	R	V	d	D	T	P	S	d1	(kg)
SRH15/19/1C	1.5	1000	6.7	200	19	19	17.50 0/-040	2	62.5	125	8	7	11	7	31.7	936.6	5.7	2.6
SRH20/24/1C	2	1000	8.5	150	24	24	22.00 0/-027	2	62.5	125	8	7	11	7	31.7	936.6	5.7	4.1
SRH25/24/1C	2.5	1000	8.5	120	24	24	21.50 0/-027	2	62.5	125	9	7	11	7	31.7	936.6	5.7	4.1
SRH30/29/1C	3	1000	10.3	100	29	29	26.00 0/-034	2	62.5	125	9	10	15	9	35	930	7.7	5.9
SRH40/39/1C	4	1000	13.8	75	39	39	35.00 0/-034	3	62.5	125	12	10	15	9	33.3	933.4	7.7	10.7
SRH50/49/1C	5	1000	17.4	60	49	39	34.00 0/-034	3	62.5	125	12	14	20	13	37.5	925	11.7	13.1
SRH60/59/1C	6	1000	20.9	50	59	49	43.00 0/-041	3	62.5	125	16	18	26	17	37.5	925	15.7	19.9

- Helical Racks-with a helix angle of 19° 31' 42" Right hand
- Material - Steel C45
- 20° pressure angle
- Teeth - Hardened and ground HRC 50-55 all faces ground
- Quality Grade-6h 23 DIN3962/63/67
- Adjacent pitch error
  0.006mm (3 Mod & under)
  0.008mm (over 3 Mod)
  Cumulative = Pitch error / 0.03mm (1000mm)

Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation. For special or reworked racks please contact our Manufacturing Department for a quotation.

Helical Rack mounting pieces to assist assembly.

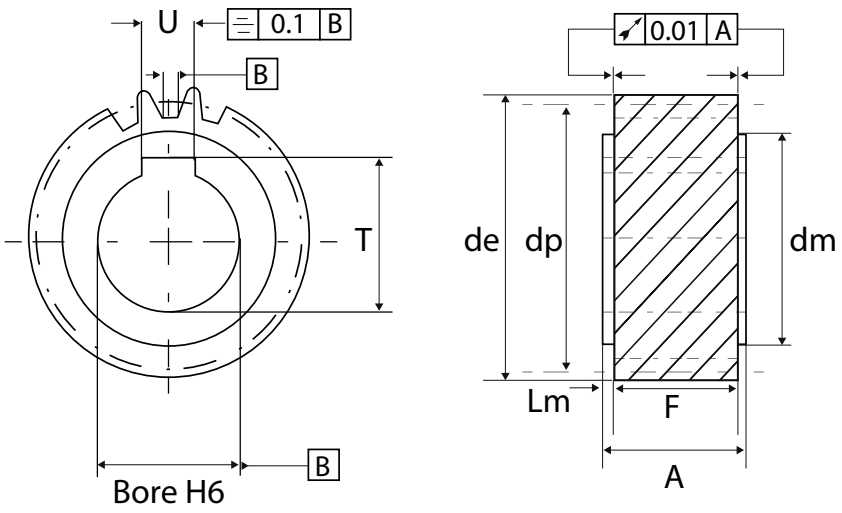
Module	Mounting Piece
1.5 Module	SRH15/MOUNT
2 Module	SRH20/MOUNT
2.5 Module	SRH25/MOUNT
3 Module	SRH30/MOUNT
4 Module	SRH40/MOUNT
5 Module	SRH50/MOUNT
6 Module	SRH60/MOUNT

Left Hand Helix x 200 mm long (1.5 Mod 110mm long).
Supplied without holes.

Metric Hardened & Ground Helical Pinions 1.5 - 6 MOD

DRIVEFLEX

Helical Pinions



Hardened and ground

- Helical gears with hardened and ground teeth
- Helix angle left hand 19° 31' 42" helix angle
- Tooth quality 6h25
- Material Steel C45 E
- Pressure Angle 20°
- Gear teeth hardened to 55-58 HRC (Bore Soft)

Part No	Module	No. teeth	Pitch dia. dp	Bore H6	Hub (both sides) dm	Dia. de	Face width F	Overall length A	Hub length Lm	U	T
SHL15/20B	1.5	20	31.83	20	25	34.83	28	30	1	6	22.80
SHL20/20B	2	20	42.44	20	30	46.44	28	30	1	6	22.80
SHL20/30B	2	30	63.66	25	36	67.66	28	30	1	8	28.30
SHL25/24B	2.5	24	63.66	25	36	68.66	28	30	1	8	28.30
SHL30/20B	3	20	63.66	20	30	69.66	28	30	1	6	22.80
SHL30/40B	3	40	127.32	40	62	133.32	28	30	1	12	43.30
SHL40/20B	4	20	84.88	35	55	92.88	40	50	5	10	38.30
SHL40/25B	4	25	106.10	35	55	114.10	40	50	5	10	38.30
SHL50/20B	5	20	106.10	45	68	116.10	50	60	5	14	48.30
SHL60/20B	6	20	127.32	55	80	139.32	60	70	5	16	59.30

Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked pinions please contact our Manufacturing Department for a quotation.

DRIVEFLEX

Metric and Imperial Mitre Gears

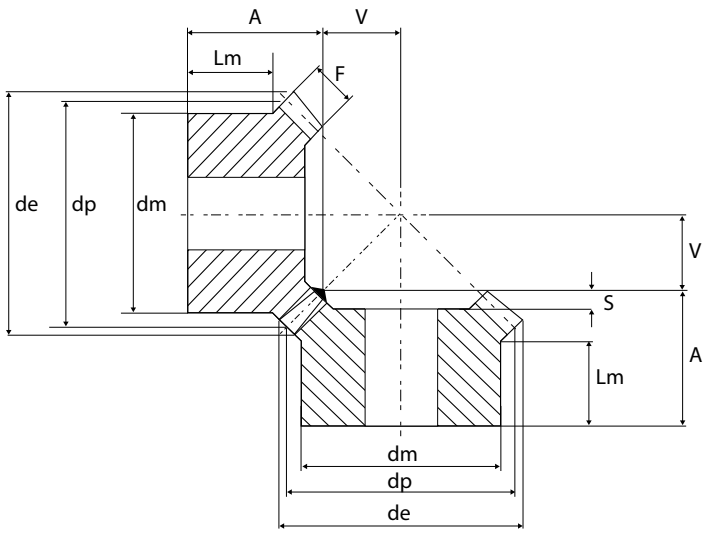


- BRITISH OR DIN STANDARDS
- EXTENSIVE RANGE
- HIGH QUALITY & ACCURACY
- EN8 STEEL AND PLASTIC
- FULL TECHNICAL SUPPORT

Metric Mitre Gear Sets in Steel, 0.8 - 1.5 MOD

DRIVEFLEX

Metric Mitre Gear Set



Steel

- Intermediate sizes and special mitres to drawing
- DIN 3964, DIN 3967, DIN 3971
- Standard tolerances, unless otherwise stated ±0.25 mm
- Shaft axis to intersect within ±0.025mm
- Angular accuracy between shafts ±5mins
- Mounting distance tolerance ±0.05mm
- Bore tolerance H8
- Cut to the Gleason System
- 20° pressure angle
- Supplied in pairs
- All dimensions in mm
- Steel EN8, (080M40/080M46) or equivalent 1:1 Ratio

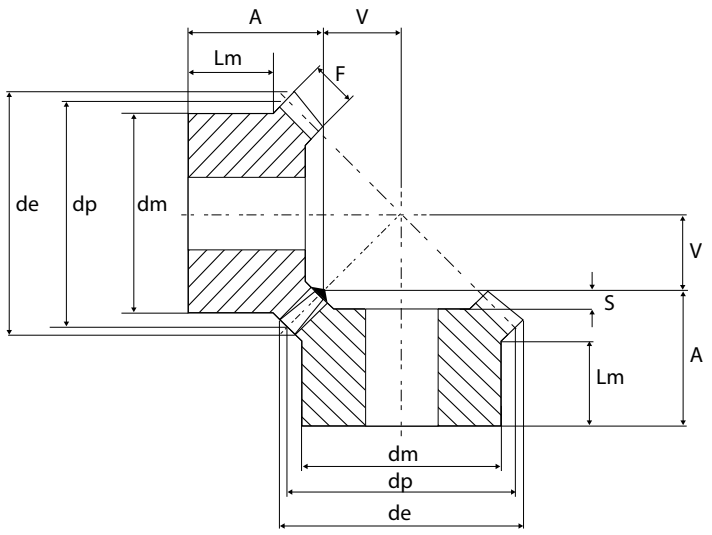
Code	Pitch module	No. teeth	dp (mm)	A+V (mm)	dm (mm)	Bore H8	F (mm)	A (mm)	de (mm)	Lm (mm)	S (mm)
SBMB08/16*	0.8	16	12.8	11	11	4	3.4	7	13.9	3.7	0
SBMB08/24*	0.8	24	19.2	16	15	5	5	10.05	20.3	4.3	1.1
SBM10/16	1	16	16	16	13.3	4	4	11.2	17.4	6.5	0
SBM10/18N	1	18	18	18	14	4	4	12.31	19.41	7	0
SBM10/19	1	19	19	18	15.3	4	4	11.8	20.4	6.5	0
SBM10/20N	1	20	20	20	16	4	4.5	13.66	21.4	8	0
SBM10/22	1	22	22	20	16.3	5	4.7	12.8	23.4	6.5	0
SBM10/25N	1	25	25	23	20	5	5.5	14.87	26	8	0
SBMB10/25*	1	25	25	23	20	6	6	15.16	26.41	8	1.16
SBM10/26	1	26	26	22	20.3	5	5.5	13.3	27.4	7	0
SBM10/28N	1	28	28	27	20	5	6	17.74	29	9	0
SBM10/30	1	30	30	26	20.3	5	6.4	16	31.4	8	0
SBMB10/30*	1	30	30	28	24	8	6	17.71	31.41	10	1.71
SBM10/32N	1	32	32	31	22	5	7	20.44	33	12	0
SBM15/16	1.5	16	24	26	20.3	8	6	18.9	26.1	12	0
SBMB15/16*	1.5	16	24	20	21	8	4.2	11	26.1	6.5	0
SBM15/18N	1.5	18	27	29	20	8	6	20.47	29.12	12	0
SBM15/19	1.5	19	28.5	30	20.3	8	7	21.3	30.6	12	0
SBM15/20N	1.5	20	30	31	22	8	6.5	21.33	32.12	12	0
SBMB15/20*	1.5	20	30	30	26	8	8	21.24	32.12	13	2.24
SBM15/22	1.5	22	33	33	25.3	8	7.5	22.5	35.1	12	0
SBM15/25N	1.5	25	37.5	37	28	8	8	24.64	39.62	13.5	0
SBMB15/25*	1.5	25	37.5	34	30	10	9	22.25	39.62	11.5	3.25
SBM15/26	1.5	26	39	36	28.3	8	8.5	23.2	41.1	12	0
SBM15/28N	1.5	28	42	41	30	12	9	27.1	44.12	14	0
SBM15/30	1.5	30	45	42	30.3	12	10	27.2	47.1	12	0
SBMB15/30*	1.5	30	45	43	36	10	10	28.24	47.12	16	3.24
SBM15/32N	1.5	32	48	46	36	12	10	29.82	49.5	16	0

Please note: * Supplied with black oxide finish. All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation. For special or reworked gears please contact our Manufacturing Department for a quotation.

Metric Mitre Gear Sets in Steel, 2.0 - 2.5 MOD

DRIVEFLEX

Metric Mitre Gear Set



Steel

- Intermediate sizes and special mitres to drawing
- DIN 3964, DIN 3967, DIN 3971
- Standard tolerances, unless otherwise stated ±0.25 mm
- Shaft axis to intersect within ±0.025mm
- Angular accuracy between shafts ±5mins
- Mounting distance tolerance ±0.05mm
- Bore tolerance H8
- Cut to the Gleason System
- 20° pressure angle
- Supplied in pairs
- All dimensions in mm
- Steel EN8, (080M40/080M46) or equivalent 1:1 Ratio

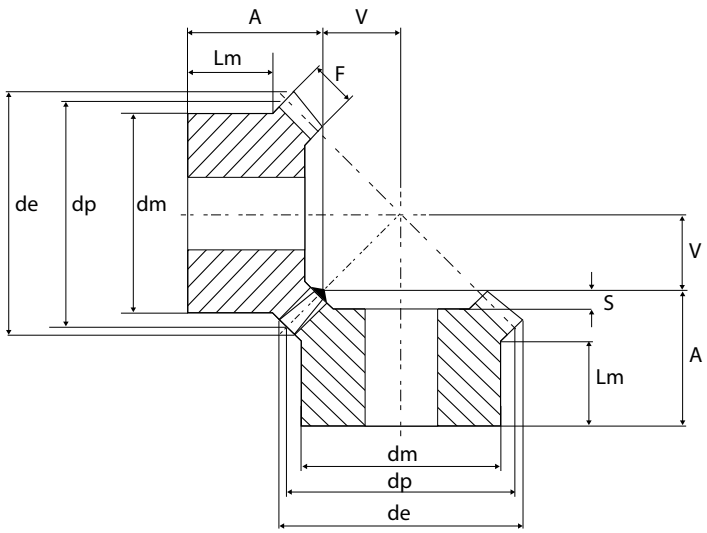
Code	Pitch module	No. teeth	dp (mm)	A+V (mm)	dm (mm)	Bore H8	F (mm)	A (mm)	de (mm)	Lm (mm)	S (mm)
SBM20/16	2	16	32	33	25.3	8	8	23.50	34.8	14	0
SBMB20/16*	2	16	32	30	27	10	7	19	34.83	11.5	0
SBM20/18N	2	18	36	37	28	8	7.5	25.3	38	15	0
SBM20/19	2	19	38	36	25.3	8	9	24.20	40.8	12	0
SBM20/20N	2	20	40	38	28	8	8	24.67	42.83	15	0
SBMB20/20*	2	20	40	37	34	12	10	24.89	42.83	14	2.89
SBM20/22	2	22	44	42	30.3	12	10	27.90	46.8	14	0
SBM20/25N	2	25	50	46	32	12	11	29.75	52.83	16	0
SBMB20/25*	2	25	50	40	40	12	12	24.33	52.83	10	4.33
SBM20/26	2	26	52	48	35.3	12	12	31.4	54.8	14	0
SBM20/28N	2	28	56	53	36	12	12	34.47	58	18	0
SBM20/30	2	30	60	54	40.3	14	13	34.10	62.8	17	0
SBMB20/30*	2	30	60	50	45	12	12	29.42	62.83	12.5	4.42
SBM20/32N	2	32	64	60	40	14	13	38.20	66.80	20	0
SBM25/16	2.5	16	40	40	30.3	12	10	28.10	43.5	15.15	0
SBMB25/16*	2.5	16	40	35	34	12	8.5	21	43.53	12	0
SBM25/18N	2.5	18	45	43	34	12	9	28.13	48	15	0
SBM25/19	2.5	19	47.5	42	35.3	12	11	27.10	51	13	0
SBM25/20N	2.5	20	50	49	35	12	10	32.34	53.54	18	0
SBMB25/20*	2.5	20	50	48	42	14	12	32.54	53.54	19	3.54
SBM25/22	2.5	22	55	48	45.3	16	12	30.1	58.5	16	0
SBM25/25N	2.5	25	62.5	56	46	14	12	34.5	66.04	20	0
SBMB25/25*	2.5	25	62.5	50	50	16	15	30.41	66.04	12.5	4.4
SBM25/26	2.5	26	65	54	45.3	16	15	33.20	68.5	16	0
SBM25/28N	2.5	28	70	64	48	14	14	40.17	83.54	22	0
SBM25/30	2.5	30	75	64	50.3	16	16	39.00	78.5	20	0
SBMB25/30*	2.5	30	75	62	60	16	15	36.29	78.54	17	4.29
SBM25/32N	2.5	32	80	71	52	16	16	43.58	83	22	0

Please note: * Supplied with black oxide finish. All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation. For special or reworked gears please contact our Manufacturing Department for a quotation.

Metric Mitre Gear Sets in Steel, 3.0 - 3.5 MOD

DRIVEFLEX

Metric Mitre Gear Set



Steel

- Intermediate sizes and special mitres to drawing
- DIN 3964, DIN 3967, DIN 3971
- Standard tolerances, unless otherwise stated ±0.25 mm
- Shaft axis to intersect within ±0.025mm
- Angular accuracy between shafts ±5mins
- Mounting distance tolerance ±0.05mm
- Bore tolerance H8
- Cut to the Gleason System
- 20° pressure angle
- Supplied in pairs
- All dimensions in mm
- Steel EN8, (080M40/080M46) or equivalent 1:1 Ratio

Code	Pitch module	No. teeth	dp (mm)	A+V (mm)	dm (mm)	Bore H8	F (mm)	A (mm)	de (mm)	Lm (mm)	S (mm)
SBM30/16	3	16	48	46	40.3	12	12	31.70	52.25	18	0
SBM30/18N	3	18	54	52	40	14	14	36.24	57.50	18	4
SBM30/19	3	19	57	54	40.3	14	13	36	61.20	17	0
SBM30/20N	3	20	60	55	45	14	16	37.63	64.24	20	4
SBM30/22	3	22	66	58	50.3	16	15	36.90	70.20	17	0
SBM30/25N	3	25	75	70	50	16	16	45.29	79.24	24	4
SBM30/26	3	26	78	64	50.3	16	17	38.40	82.20	18	0
SBM30/28N	3	28	84	76	55	16	18	48.21	88.24	25	4
SBM30/30	3	30	90	74	60.3	20	19	43.80	94.20	22	0
SBM30/32N	3	32	96	82	66	16	20	49.63	100.24	25	4
SBM35/16	3.5	16	56	53	45.3	16	14	36.40	60.90	20	0
SBM35/19	3.5	19	65.5	58.8	50.3	18	15	37.80	71.50	19	0
SBM35/20N	3.5	20	70	65	50	16	18	44.30	74	22	5
SBM35/22	3.5	22	77	64	55.3	20	17	39.10	81.90	18	0
SBM35/25N	3.5	25	87.5	76	60	16	20	48.07	91.50	25	5
SBM35/26	3.5	26	91	73.05	62.3	20	20	43.35	96	20	0
SBM35/30	3.5	30	105	82	70.3	20	23	47.10	110	22	0

Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked gears please contact our Manufacturing Department for a quotation.

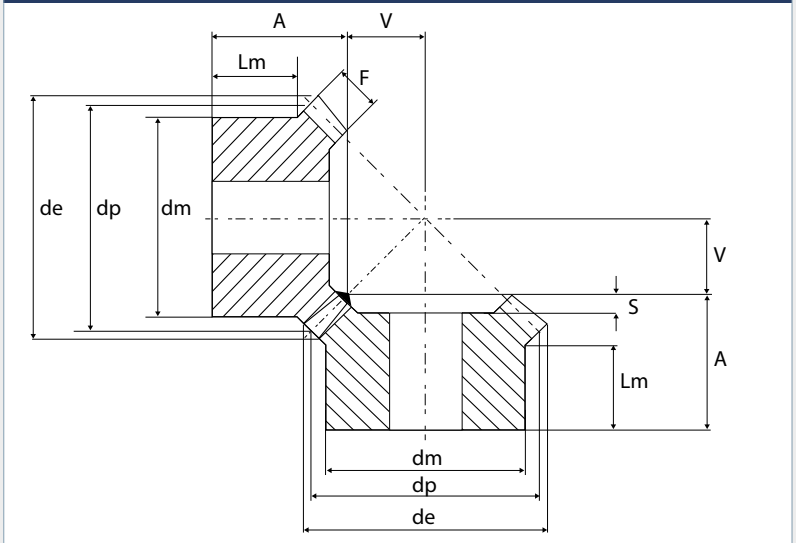


See Renold Gearboxes – Page 815

Metric Mitre Gear Sets in Steel, 4.0 - 4.5 & 5.0 - 6.0 MOD

DRIVEFLEX

Metric Mitre Gear Set



Steel

- Intermediate sizes and special mitres to drawing
- DIN 3964, DIN 3967, DIN 3971
- Standard tolerances, unless otherwise stated ±0.25 mm
- Shaft axis to intersect within ±0.025mm
- Angular accuracy between shafts ±5mins
- Mounting distance tolerance ±0.05mm
- Bore tolerance H8
- Cut to the Gleason System
- 20° pressure angle
- Supplied in pairs
- All dimensions in mm
- Steel EN8, (080M40/080M46) or equivalent 1:1 Ratio

4.0 - 4.5 MOD

Code	Pitch module	No . teeth	dp (mm)	A+V (mm)	dm (mm)	Bore H8	F (mm)	A (mm)	de (mm)	Lm (mm)	S (mm)
SBM40/16	4	16	64	64	50.30	16	15	44.30	69.70	25	0
SBM40/19	4	19	76	68	55.30	20	18	44.40	81.70	22	0
SBM40/20N	4	20	80	74	60	16	20	49.97	85.65	27	6
SBM40/22	4	22	88	74	60.30	20	20	45.90	93.70	22	0
SBM40/25N	4	25	100	86	70.00	20	24	54.84	105.66	25	6
SBM40/26	4	26	104	82	70.30	20	25	48	109.70	22	0
SBM40/30	4	30	120	94	80.30	20/25	26	54.20	125.70	25	0
SBM45/16	4.5	16	72	68	55.30	20	18	46.30	78.40	25	0
SBM45/19	4.5	19	85.50	75.6	62.30	20	20	49	91.80	25	0
SBM45/22	4.5	22	99	82	70.30	20	22	50.10	105.30	25	0
SBM45/26	4.5	26	117	93.30	75.30	20	25	54.70	123.00	26	0
SBM45/30	4.5	30	135	105	80.30	20/25	29	60	141.40	28	0

5.0 - 6.0 MOD

Code	Pitch module	No . teeth	dp (mm)	A+V (mm)	dm (mm)	Bore H8	F (mm)	A (mm)	de (mm)	Lm (mm)	S (mm)
SBM50/16	5	16	80	74	60.30	20	18	48.90	87.10	25	0
SBM50/19	5	19	95	82	60.30	20	22	52.20	102.10	25	0
SBM50/20N	5	20	100	92	70	20	22	59.99	107.07	30	7
SBM50/22	5	22	110	94	80.30	20/25	24	58.20	117.10	30	0
SBM50/25N	5	25	125	110	85	20	28	69.71	132.07	35	7
SBM50/26	5	26	130	105	80.30	20/25	29	62.00	137.10	30	0
SBM50/30	5	30	150	119	80.30	20/30	32	68.90	157.10	35	0
SBM60/16	6	16	96	90	70	25	22	60.15	104.50	28.98	0
SBM60/19	6	19	114	105	88	28	26	68.99	122.48	34.76	0
SBM60/20	6	20	120	90	96	30	28	52.32	128.52	18.5	0
SBM60/25	6	25	150	115	100	35	35	67.29	158.52	24	0
SBM60/26	6	26	156	145	128	35	36	95.05	164.49	53	0
SBM60/30	6	30	180	132	120	40	40	73.20	188.49	33	0

Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked gears please contact our Manufacturing Department for a quotation.

TransDev
SERVICES

THE BEST PERFORMANCE
NEEDS THE BEST KIT

TransDev Kitting Service saves time and money.

- Reduce purchasing time
- Goods are despatched faster
- Reduce number of suppliers
- Improve productivity
- Less part numbers results in less invoices!











Ordering your kits is easy

For **TransDev Services** see page 9

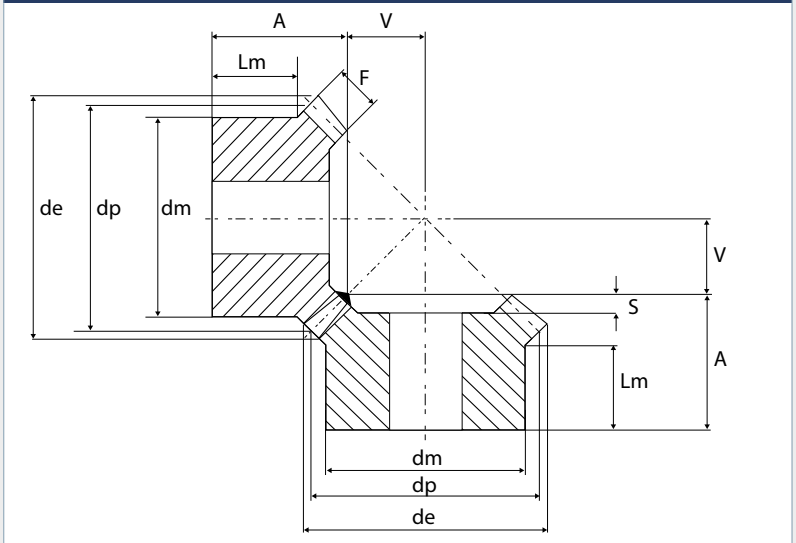
BELTS
PULLEYS
CHAIN
SPROCKETS
GEARS
BEARINGS
LINEAR
HARDWARE
PLASTICS

TransDev®
THE POWER IN MOTION

Metric Mitre Gear Sets in Stainless Steel, 1.5 – 3.0 MOD

DRIVEFLEX

Metric Mitre Gear Set



Stainless Steel

- Intermediate sizes and special mitres to drawing
- DIN 396 4, DIN 3967, DIN 3971
- Standard tolerances, unless otherwise stated ±0.25 mm
- Shaft axis to intersect within ±0.025mm
- Angular accuracy between shafts ±5mins
- Mounting distance tolerance ±0.05mm
- Bore tolerance H8
- Cut to the Gleason System
- 20° pressure angle
- Supplied in pairs
- All dimensions in mm
- Stainless Steel 303/304

Code	Pitch module	No. teeth	dp (mm)	A+V (mm)	dm (mm)	Bore H8	F (mm)	A (mm)	de (mm)	Lm (mm)	S (mm)
STBM15/20	1.5	20	30	30	26	8	8	21.24	32.12	13	2.24
STBM15/25	1.5	25	37.5	34	30	10	9	22.25	39.62	11.50	3.25
STBM15/30	1.5	30	45	43	36	10	10	28.24	47.12	16	3.24
STBM20/20	2	20	40	37	34	12	10	24.89	42.83	14	2.89
STBM20/25	2	25	50	40	45	12	12	24.33	52.83	12.50	4.33
STBM20/30	2	30	60	50	45	12	12	29.43	62.83	12.50	4.43
STBM25/20	2.5	20	50	48	42	14	12	32.54	53.54	19	3.54
STBM25/25	2.5	25	62.5	50	55	16	15	30.41	66.04	15	4.41
STBM25/30	2.5	30	75	62	60	16	15	36.28	78.54	17	4.28
STBM30/20	3	20	60	58	50	16	15	39.84	64.24	23	4.84
STBM30/25	3	25	75	60	65	20	20	37.81	79.24	17.50	5.81
STBM30/30	3	30	90	75	70	20	20	45.47	94.24	20	5.47

All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation. For special or reworked gears please contact our Manufacturing Department for a quotation.

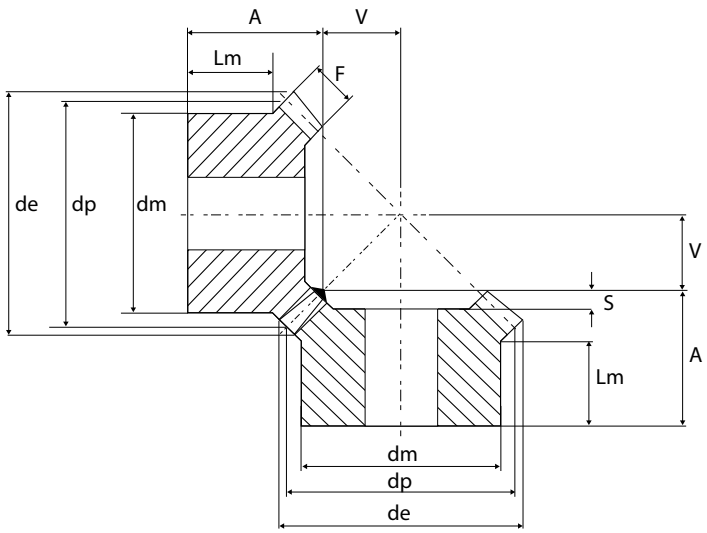


See **Stainless Steel Spur Gears – Page 730**

Metric Mitre Gear Sets in Brass & Die Cast Zinc, 1.0 - 3.5 MOD

DRIVEFLEX

Metric Mitre Gear Set



Brass and Die Cast Zinc

- Intermediate sizes and special mitres to drawing (tooling charges may apply)
- Standard tolerances, unless otherwise stated ±0.25mm
- Shaft axis to intersect within ±0.025mm
- Angular accuracy between shafts ±5mins
- Mounting distance tolerance ± 0.05mm
- 20° pressure angle
- Supplied in pairs
- All dimensions in mm
- Brass CZ121 1:1 Ratio
- Die Cast Zinc 1:1 Ratio

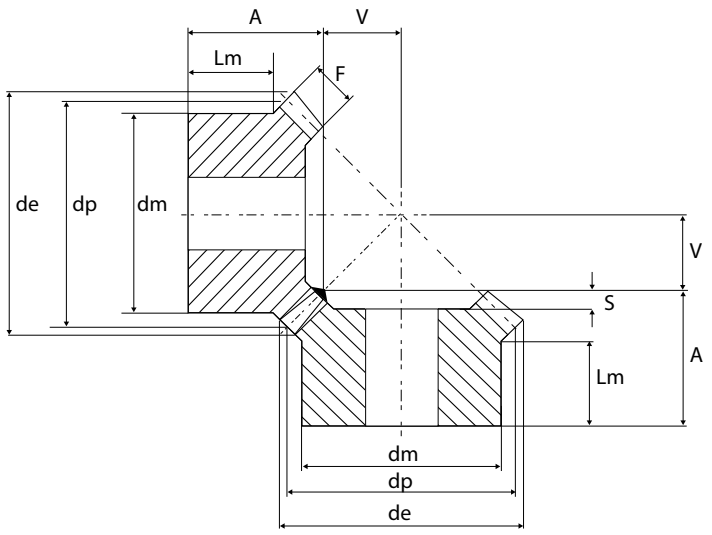
Code	Material	Pitch module	No. teeth	dp (mm)	de (mm)	dm (mm)	Bore H7	Bore H9	F (mm)	Lm (mm)	A (mm)	A+V (mm)	S (mm)
BBM10/12	Brass	1	12	12	13.4	10	4		4	6.2	10.4	13.2	1.4
BBM10/16	Brass	1	16	16	17.4	12	5		5	5	11	15.1	1
BBM10/20	Brass	1	20	20	21.4	15	5		5	5	11	17.1	1.5
BBM10/25	Brass	1	25	25	26.4	16	5		5	7	13	21.5	1.5
BBM10/30	Brass	1	30	30	31.4	16	5		5	7	13	24	1.5
BBM10/36	Brass	1	36	36	37.4	16	5		5	7	13	26.9	1.5
BBM10/40	Brass	1	40	40	41.4	20	5		5	8	14	29.9	1.5
ZBM10/16	Die Cast Zinc	1	16	16	17.3	12		6	4.5	7.5	13.1	17.7	0
ZBM15/16	Die Cast Zinc	1.5	16	24	26	19		8	6.7	10.8	18.6	25.7	1.6
ZBM20/16	Die Cast Zinc	2	16	32	34.6	23		10	9.6	10	21.3	30	2.1
ZBM25/16	Die Cast Zinc	2.5	16	40	43.3	26		12	12	12	25.5	36	2.6
ZBM30/16	Die Cast Zinc	3	16	48	52.3	30		14	14	13	29.3	42.5	3.3
ZBM35/16	Die Cast Zinc	3.5	16	56	61.5	34		16	16	14	33.2	49.4	4.1

Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked gears please contact our Manufacturing Department for a quotation.

Metric Mitre Gear Sets in Acetal/DELRIN®, 0.8 - 5 MOD

DRIVEFLEX

Metric Mitre Gear Set



Acetal/DELRIN®

- Intermediate sizes and special mitres to drawing (tooling charges may apply)
- Standard tolerances, unless otherwise stated ±0.25 mm.
- Shaft axis to intersect within ±0.025mm
- Angular accuracy between shafts ±5mins
- Mounting distance tolerance ±0.05mm
- Bore tolerance H8
- Max. recommended working temperature 90°C
- Cut to the Gleason System
- 20° pressure angle
- Supplied in pairs
- All dimensions in mm
- Acetal/DELRIN® 1:1 Ratio

Code	Pitch module	No. teeth	dp (mm)	de (mm)	dm (mm)	Bore H8	F (mm)	Lm (mm)	A (mm)	A+V (mm)	S (mm)
DBM08/25*	0.8	25	20	21.13	16	6	4.24	8	13.36	20	0
DBM10/16	1	16	16	17.4	13.3	4	4	6.5	11.2	16	0
DBM10/19	1	19	19	20.4	15.3	4	4	6.5	11.8	18	0
DBM10/22	1	22	22	23.4	15.3	5	4.7	5.5	12.8	20	0
DBM10/26	1	26	26	27.4	20.3	5	5.5	7	13.3	22	0
DBM10/30	1	30	30	31.4	20.3	5	6.4	8	16	26	0
BPBM20/20**	2	20	40	42.83	34	10	10	14	24.89	37	2.89
BPBM25/20**	2.5	20	50	53.54	42	12	12	19	32.54	48	3.54
DBM25/25	2.5	25	62.5	66	55	15	15	15	30.5	50	0
DBM15/30	1.5	30	45	47.12	32	12	9.50	9	19.92	35	0
DBM40/16 ¥	4	16	64	69.6	50	15	15	16.49	35.81	55.5	0
DBM50/16 §	5	16	80	87.1	60	18	20	20	46.13	70	0

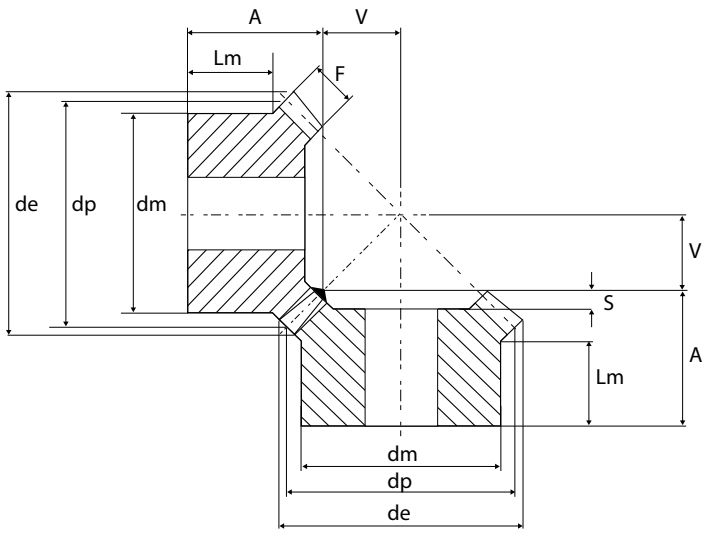
* Comes with M3 G/S
** Are manufactured in material HS Blue
¥ Comes with 5mm wide keyway in bore
§ Comes with 6mm wide keyway in bore

Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked gears please contact our Manufacturing Department for a quotation.

Metric Moulded Mitre Gear Sets, 30% Glass Filled Nylon 6, 1.0 - 3.5 MOD

DRIVEFLEX

Metric Mitre Gear Set



30% Glass filled Nylon

- Intermediate sizes and special mitres to drawing (tooling charges may apply)
- Standard tolerances, unless otherwise stated ±0.25 mm
- Shaft axis to intersect within +/- 0.025mm
- Angular accuracy between shafts +/- 5mins
- Mounting distance tolerance +/- 0.05mm
- Bore unmachined typically 0.5 - 1mm undersize
- Max. recommended working temperature 130°C
- 20° pressure angle
- Supplied in pairs
- All dimensions in mm
- 30% Glass filled Nylon 6
- Also available in Blue Glass filled Nylon food grade material

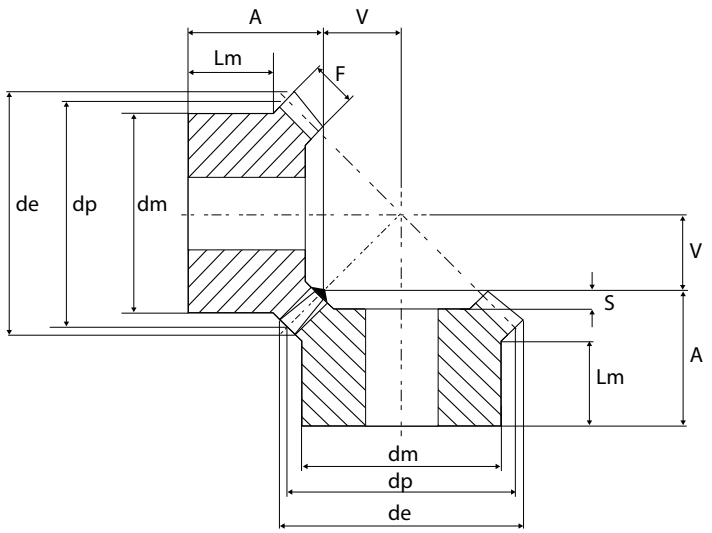
Code	Pitch module	No. teeth	dp (mm)	de (mm)	dm (mm)	Pre-Bore (rough)	F (mm)	Lm (mm)	A (mm)	A+V (mm)	S (mm)
PBM15/20	1.5	20	30	32.1	22	6	8	9	20	28.7	2
PBM15/30	1.5	30	45	47.1	35	12	10	12	25	39.7	2.5
PBM20/20	2	20	40	42.8	32	8*/9	12	12	27	35.7	3
PBM20/30	2	30	60	62.8	50	12	16	12.28	30	47.8	3
PBM25/20	2.5	20	50	53.5	38	12	12	16	30	45.9	3
PBM25/30	2.5	30	75	78.5	50	14	18	16	35	59.1	3
PBM30/20	3	20	60	64.2	44	14	18	13.6	35	51.1	4
PBM30/30	3	30	90	94.2	60	20	22	19	40	68.1	4
PBM35/20	3.5	20	70	74.9	56	14	22	19	40.5	58.6	4.5

Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked gears please contact our Manufacturing Department for a quotation. Mitre gears with bore or hub dimensions marked * will be discontinued when stocks are depleted.

Metric Moulded Mitre Gear Sets, HOSTAFORM® C, 0.5 - 3.5 MOD

DRIVEFLEX

Metric Mitre Gear Set



HOSTAFORM®

- Intermediate sizes and special mitres to drawing (tooling charges may apply)
- DIN 3962, 3963, 3967 grade 12
- Shaft axis to intersect within +/- 0.025mm
- Angular accuracy between shafts +/- 5mins
- Mounting distance tolerance +/- 0.05mm
- Bore tolerance H9
- Max. recommended working temperature 90°C
- Cut to the Gleason System
- 20° pressure angle
- Supplied in pairs
- All dimensions in mm
- White HOSTAFORM® C
- Also available in hard-wearing Polyketone material

Code	Pitch module	No. teeth	dp (mm)	de (mm)	dm (mm)	Bore H9	F (mm)	Lm (mm)	A (mm)	A+V (mm)	S (mm)
WPBM05/16	0.5	16	8	8.7	7	3	2	6	8	10.5	0
WPBM10/16	1	16	16	17.6	12	5	4.7	8	13.6	18.4	0
WPBM10/30	1	30	30	31.4	15	6	7.4	7.4	15.3	24.8	2.4
WPBM15/16	1.5	16	24	26.4	18.5	8	7	10	18.4	25.8	2.2
WPBM20/16	2	16	32	34.9	21.9	10	10	9.6	21.2	30.4	2.9
WPBM25/16	2.5	16	40	43.5	25.2	12	12	11.5	25.5	37.0	2.6
WPBM30/16	3	16	48	52.3	28.8	14	14	13.2	29.2	43	2.4
WPBM35/16	3.5	16	56	61.4	33.3	18	16	14.4	33.1	49.5	5

Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked gears please contact our Manufacturing Department for a quotation.

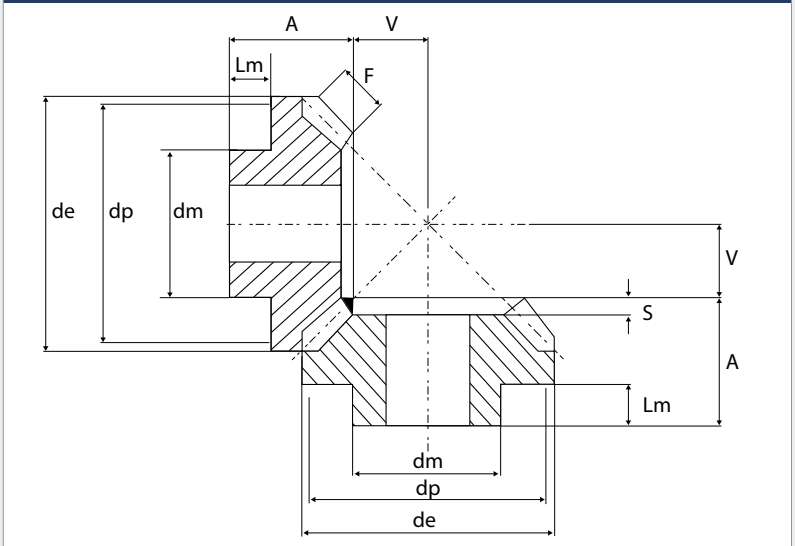


See Gear Manufacturing – Page 704

Metric Moulded Mitre Gear Sets, in DELRIN® 500, 0.5 - 1.5 MOD

DRIVEFLEX

Metric Mitre Gear Set



DELRIN®

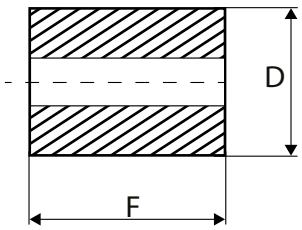
- Intermediate sizes and special mitres to drawing (tooling charges may apply)
- Standard tolerances, unless otherwise stated ±0.25 mm
- Shaft axis to intersect within +/- 0.025mm
- Angular accuracy between shafts +/- 5mins
- Mounting distance tolerance +/- 0.05mm
- Bore tolerance -0.02 / -0.04
- Max. recommended working temperature 90°C
- 20° pressure angle
- Supplied in pairs
- All dimensions in mm
- Moulded DELRIN® 500 to gear quality AGMA 7

Code	Pitch module	No. teeth	Bore -0.02/-0.04	dp (mm)	de (mm)	F (mm)	A + V (mm)	dm (mm)	Lm (mm)	S (mm)	A (mm)
DBM05/20	0.5	20	3	10	10.71	2.5	11	8	4	0.97	7.97
DBM08/20	0.8	20	5	16	17.13	3.5	16	12	5	0.8	10.83
DBM10/20	1	20	6	20	21.41	4.5	21	16	7	1.62	14.62
DBM15/20	1.5	20	8	30	32.12	7	30	20	10	1.6	20.59

Sintered Bronze Bushes type OB

Code	Bore Ø (mm)	Outside Ø D (mm)	Length F (mm)	Use with
OB357	3	5	7	DBM08
OB469	4	6	9	DBM10
OB5814	5	8	14	DBM15

- Intermediate sizes and special bushes to drawing (tooling charges may apply)
- All dimensions in mm
- Bore tolerance G7
- OD tolerance s7
- Length tolerance js13

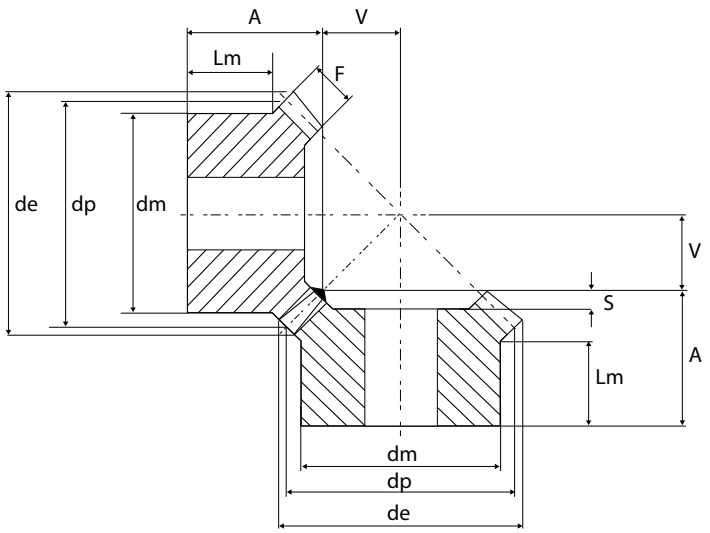


Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked gears please contact our Manufacturing Department for a quotation.

Spiral Mitre Gear Sets in Steel, 1.5 - 5.0 MOD

DRIVEFLEX

Metric Mitre Gear Set



Steel

- Intermediate sizes and special mitres to drawing
- Standard tolerances, unless otherwise stated ±0.25 mm
- Shaft axis to intersect within +/- 0.025mm
- Angular accuracy between shafts +/- 5mins
- Mounting distance tolerance +/- 0.05mm
- Bore tolerance H8
- Cut to the Gleason System
- 20° pressure angle
- Pitch angle 45°
- Supplied in pairs
- All dimensions in mm
- Steel EN8, (080M40/080M46) or equivalent

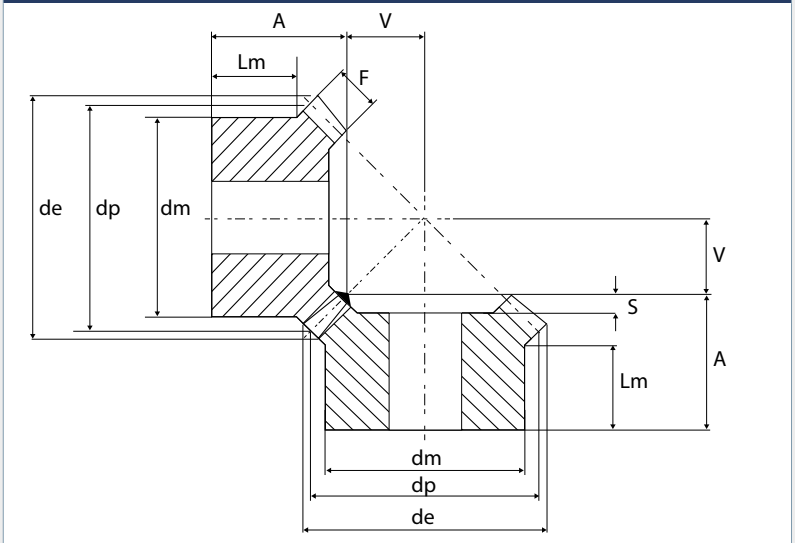
Code	Pitch module	No. teeth	dp (mm)	de (mm)	dm (mm)	Bore (H8)	F (mm)	Lm (mm)	A (mm)	A+V (mm)	S (mm)
SBMSP15/16	1.5	16	24	25.3	18	8	6	9	16.7	24	0.7
SBMSP15/20	1.5	20	30	31.3	22	8	7	10	19.4	29	1.4
SBMSP15/25	1.5	25	38	38.8	28	8	8	11.5	26.5	35	6.5
SBMSP15/30	1.5	30	45	46.3	32	10	10	11	31.8	40	10.3
SBMSP20/16	2	16	32	34	25	10	9	9.45	19.9	29	3
SBMSP20/20	2	20	40	42	32	10	12	11.95	24.9	36	3.2
SBMSP20/25	2	25	50	52	40	12	14	11.9	27.4	42	2.6
SBMSP20/30	2	30	60	62	50	12	16	12.95	29.9	48	3
SBMSP25/16	2.5	16	40	42.5	32	12	10	13	24.8	37	3
SBMSP25/20	2.5	20	50	52.5	40	12	12	16	30.2	46	3.5
SBMSP25/25	2.5	25	63	65	50	15	15	16	33.2	53	3.3
SBMSP25/30	2.5	30	75	77.5	55	15	18	16	35	59	3.2
SBMSP30/16	3	16	48	51	40	15	12	16	29.4	44	3.6
SBMSP30/20	3	20	60	63	45	15	18	13.5	34.5	51	3.8
SBMSP30/25	3	25	75	78	55	15	20	16	37.5	60	3.8
SBMSP30/30	3	30	90	93	60	20	22	19	39.5	68	3.7
SBMSP40/16	4	16	64	68	50	15	15	17.75	36	56	5.2
SBMSP40/20	4	20	80	84	60	18	17	18	37.5	64	5
SBMSP40/25	4	25	100	104	70	20	21	18	40.4	74	5.2
SBMSP40/30	4	30	120	124	80	25	25	16	43.2	84	5.1
SBMSP50/16	5	16	80	85	60	20	17	18.9	41	68	5.5
SBMSP50/20	5	20	100	105	70	20	21	18.5	44	78	6.3
SBMSP50/25	5	25	125	130	90	20	26	18.5	47.8	90	6
SBMSP50/30	5	30	150	155	110	30	32	18	52.5	103	6.8

Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked gears please contact our Manufacturing Department for a quotation.

Imperial Mitre Gear Sets in Steel, 5 - 32 DP

DRIVEFLEX

Imperial Mitre Gear Set



Steel

- Intermediate sizes and special mitres to drawing
- Standard tolerances, unless otherwise stated ±0.010 in
- Shaft axis to intersect within ±0.001"
- Angular accuracy between shafts ±5mins
- Mounting distance tolerance ±0.002"
- Bore tolerance H8
- Cut to the Gleason System
- 20° pressure angle
- Supplied in pairs
- All dimensions in inches
- 5DP to 16DP - EN8,080M40/080M46 or equivalent 20DP to 32DP - EN1A or equivalent
- 1:1 Ratio

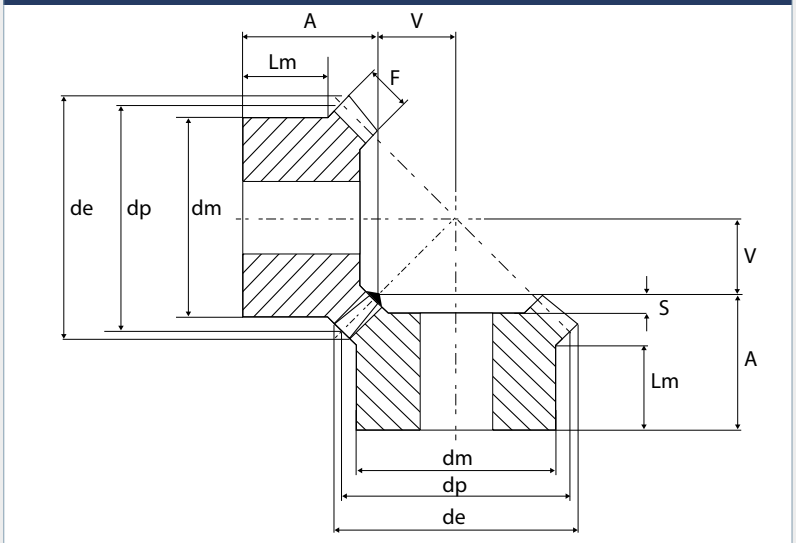
Code	DP	No. teeth	dp (in)	de (in)	dm (in)	Bore (H8)	F (in)	Lm (in)	A (in)	A+V (in)	S
SBMDP5/24	5	24	4.8	5.083	3.845	1.25	1.125	1.123	2.481	4	0
SBMDP6/24	6	24	4	4.236	3.125	1	1	1.062	2.275	3.5	0
SBMDP8/24	8	24	3	3.177	2.343	0.625	0.625	0.924	1.749	2.75	0
SBMDP10/20	10	20	2	2.141	1.562	0.625	0.5	0.531	1.145	1.75	0
SBMDP10/24	10	24	2.4	2.541	1.875	0.625	0.55	0.63	1.362	2.125	0
SBMDP10/25	10	25	2.5	2.641	1.875	0.75	0.562	0.561	1.315	2.124	0
SBMDP12/18	12	18	1.5	1.618	1.25	0.375	0.33	0.505	0.896	1.375	0
SBMDP12/24	12	24	2	2.118	1.602	0.5	0.375	0.801	1.306	2	0
SBMDP16/16	16	16	1	1.088	0.78	0.312	0.234	0.455	0.756	1.064	0
SBMDP16/20	16	20	1.25	1.338	1.063	0.375	0.284	0.535	0.850	1.250	0
SBMDP16/32	16	32	2	2.088	1.7	0.5	0.45	0.351	0.846	1.5	0
SBMDP20/12	20	12	0.6	0.656	0.5	0.25	0.12	0.312	0.484	0.671	0
SBMDP20/18	20	18	0.9	0.956	0.625	0.312	0.14	0.406	0.625	0.953	0
SBMDP20/20	20	20	1	1.056	0.75	0.375	0.234	0.5	0.812	1.125	0
SBMDP20/25	20	25	1.25	1.31	1	0.375	0.25	0.437	0.75	1.188	0
SBMDP24/18	24	18	0.75	0.803	0.625	0.25	0.156	0.375	0.562	0.813	0
SBMDP24/24	24	24	1	1.053	0.625	0.25	0.2	0.281	0.562	0.906	0
SBMDP24/30*	24	30	1.25	1.309	0.937	0.25	0.3	0.307	0.636	1.031	0
SBMDP24/36*	24	36	1.5	1.559	1.3	0.312	0.312	0.338	0.677	1.187	0
SBMDP32/16	32	16	0.5	0.54	0.406	0.188	0.12	0.188	0.344	0.5	0
SBMDP32/24	32	24	0.75	0.79	0.5	0.188	0.14	0.25	0.422	0.688	0
SBMDP32/32*	32	32	1	1.044	0.781	0.25	0.25	0.265	0.565	0.875	0

Please note: Mitre Gears are without any front recess * Supplied with 1 x G/S hole through boss. M3 on 32DP gears, M4 on Steel 24DP gears
All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked gears please contact our Manufacturing Department for a quotation.

Imperial Mitre Gear Sets in Nylon & Brass 16 - 48 DP

DRIVEFLEX

Imperial Mitre Gear Set



Nylon and Brass

- Intermediate sizes and special mitres to drawing (tooling charges may apply)
- Standard tolerances, unless otherwise stated ±0.010 in
- Shaft axis to intersect within ±0.001"
- Angular accuracy between shafts ±5mins
- Mounting distance tolerance ±0.002"
- Bore tolerance as below
- 20° pressure angle
- Supplied in pairs
- All dimensions in inches
- 1:1 Ratio

Imperial Moulded Mitre Gear Sets 48, 32, 24 & 16 DP in Nylon/Acetal

Code	DP	No. teeth	dp (in)	de (in)	dm (in)	Bore +0.001 -0.002	F (in)	Lm (in)	A (in)	A+V (in)	S
PBMDP16/16	16	16	1	1.09	0.75	0.375	0.236	0.437	0.75	1.063	0
PBMDP16/32	16	32	2	2.088	1.25	0.5	0.4	0.375	0.875	1.562	0
PBMDP24/24	24	24	1	1.05	0.625	0.252	0.182	0.188	0.562	0.906	0
PBMDP24/30	24	30	1.25	1.31	0.625	0.25	0.22	0.312	0.578	1.031	0
PBMDP24/36	24	36	1.5	1.56	0.687	0.312	0.205	0.312	0.609	1.187	0
PBMDP32/16	32	16	0.5	0.55	0.406	0.187	0.114	0.187	0.344	0.5	0
PBMDP32/24	32	24	0.75	0.8	0.5	0.187	0.11	0.187	0.406	0.687	0
PBMDP48/15*	48	15	0.313	0.35	0.25	0.125	0.088	0.125	0.219	0.312	0
PBMDP48/18	48	18	0.375	0.404	0.328	0.125	0.082	0.187	0.281	0.406	0
PBMDP48/24	48	24	0.5	0.529	0.375	0.187	0.118	0.25	0.375	0.531	0

Mitre Gears are without any front recess
PBMDP48/15 = Acetal, all other parts = Nylon

Imperial Mitre Gear Sets 32, 24 & 16 DP in Brass to spec. CZ121

Code	DP	No. teeth	dp (in)	de (in)	dm (in)	Bore (in)	F (in)	Lm (in)	A (in)	A+V (in)	S
BBMDP16/16*	16	16	1	1.088	0.78	0.312	0.233	0.455	0.756	1.064	0
BBMDP24/24*	24	24	1	1.058	0.78	0.375	0.25	0.307	0.6	0.906	0
BBMDP32/32*	32	32	1	1.044	0.75	0.25	0.25	0.265	0.565	0.875	0

- Cut to the Gleason System
- Bore tolerance H8

Please note: Mitre Gears are without any front recess * Supplied with 1 x G/S hole through boss. M3 on 32DP gears, M4 on Brass 16 & 24 DP gears.
All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked gears please contact our Manufacturing Department for a quotation.

DRIVEFLEX

Imperial and Metric Bevel Gears

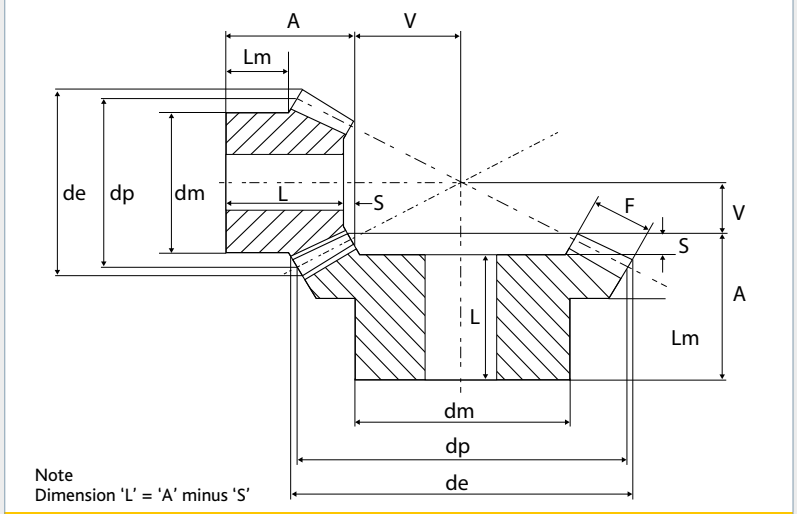


- BRITISH OR DIN STANDARDS
- EXTENSIVE RANGE
- HIGH QUALITY & ACCURACY
- EN8 STEEL AND PLASTIC
- FULL TECHNICAL SUPPORT

Imperial Bevel Gear in Steel Sets 2:1 Ratio 12 DP

DRIVEFLEX

Imperial Bevel Gear Set



Note
Dimension 'L' = 'A' minus 'S'

Steel

- Intermediate sizes and special mitres to drawing
- Standard tolerances, unless otherwise stated ±0.010 inches
- Shaft axis to intersect within ±0.001"
- Angular accuracy between shafts ±5mins
- Mounting distance tolerance ±0.002"
- Bore tolerance H8
- Cut to the Gleason System
- 20° pressure angle
- Supplied in pairs
- All dimensions in inches
- Steel EN8, (080M40/080M46) or equivalent

Code	DP	No. teeth	dp (in)	A+V (in)	dm (in)	Bore (H8)	F (in)	A (in)	de (in)	S (in)	Lm (in)
SRBDP12/2*	12	18	1.500	2.187	1.365	0.438	0.500	1.168	1.701	0	0.653
	12	36	3.000	1.625	1.875	0.750	0.500	1.129	3.049	0.111	0.598

Please note: * Comes with M6 G/S hole in hubs of both gears. All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation. For special or reworked gears please contact our Manufacturing Department for a quotation.

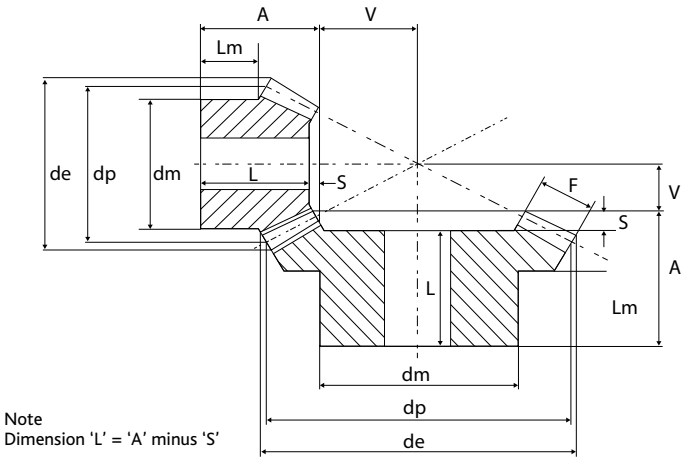


See Gear Manufacturing – Page 704

Metric Bevel Gear Sets in Steel 1.5:1 Ratio, 1.0 - 5.0 MOD

DRIVEFLEX

Metric Bevel Gear Set



Note
Dimension 'L' = 'A' minus 'S'

Steel

- Intermediate sizes and special mitres to drawing
- DIN 3964, DIN 3967, DIN 3971
- Standard tolerances, unless otherwise stated ±0.25mm
- Shaft axis to intersect within ±0.025mm
- Angular accuracy between shafts ±5mins
- Mounting distance tolerance ±0.05mm
- Bore tolerance H8
- Cut to the Gleason System
- 20° pressure angle
- Supplied in pairs
- All dimensions in mm
- Steel EN8, (080M40/080M46) or equivalent

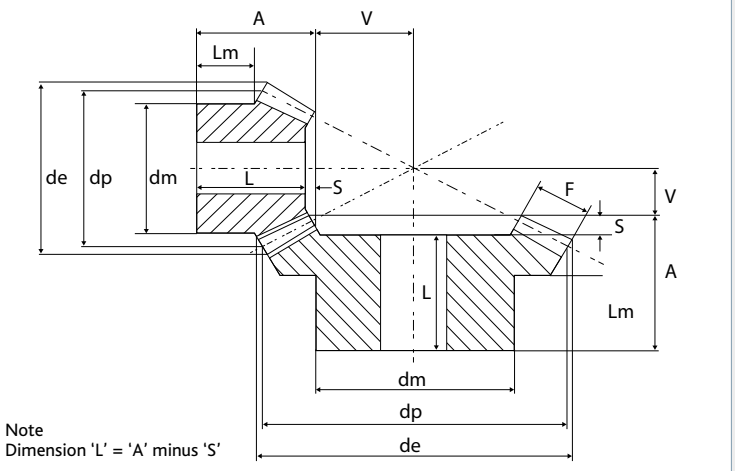
Code	Pitch module	No. teeth	dp (mm)	A+V (mm)	dm (mm)	Bore (H8)	F (mm)	A (mm)	de (mm)	S (mm)	Lm (mm)
SRB10/1.5	1	16	16	20	13.3	4	4.3	12	18.1	0	7
	1	24	24	20	20.3	5	4.3	14.8	24.8	1.5	9.3
SRB15/1.5	1.5	16	24	31	20.3	8	8	20.3	27.1	0	11.8
	1.5	24	36	32	28.3	8	8	24.9	37.2	2.2	16
SRB20/1.5	2	16	32	40	25.3	8	10	25.2	36.2	0	13.8
	2	24	48	37	32.3	8	10	27.2	49.7	2.5	16
SRB25/1.5	2.5	16	40	49	32.3	12	13	30.8	45.2	0	16.4
	2.5	24	60	46	45.3	14/16	13	34	62.1	3.2	20
SRB30/1.5	3	16	48	55	40.3	12	14.5	32.4	54.3	0	16.4
	3	24	72	51	55.3	16	14.5	36.2	74.5	4.2	20
SRB35/1.5	3.5	16	56	66	45.3	16	18	40.4	63.3	0	20.4
	3.5	24	84	61	55.3	20	18	44.2	86.9	4.2	25
SRB40/1.5	4	16	64	78	50.3	16	18	46.8	72.4	0	25.4
	4	24	96	66	60.3	20	18	45.5	99.3	5.5	25
SRB45/1.5	4.5	16	72	83	60.3	20	20	47.6	81.4	0	25.1
	4.5	24	108	81	80.3	20/25	20	57.8	111.7	6.5	35
SRB50/1.5	5	16	80	92	60.3	20/25	24	54.1	90.5	0	25.4
	5	24	120	86	80.3	20/30	24	61.1	124.1	6.6	35

Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked gears please contact our Manufacturing Department for a quotation.

Metric Bevel Gear Sets in Steel 2:1 & 2.5:1 Ratio, 1.0 – 5.0 MOD

DRIVEFLEX

Metric Bevel Gear Set



Note
Dimension 'L' = 'A' minus 'S'

Steel

- Intermediate sizes and special mitres to drawing
- DIN 3964, DIN 3967, DIN 3971
- Standard tolerances, unless otherwise stated ±0.25mm
- Shaft axis to intersect within ±0.025mm
- Angular accuracy between shafts ±5mins
- Mounting distance tolerance ±0.05mm
- Bore tolerance H8
- Cut to the Gleason System
- 20° pressure angle
- Supplied in pairs
- All dimensions in mm
- Steel EN8, (080M40/080M46) or equivalent

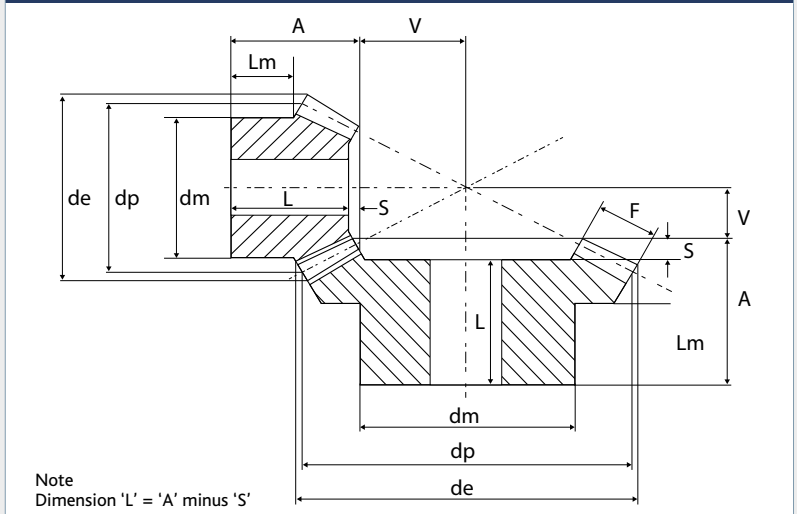
Code	Ratio	Pitch module	No. teeth	dp (mm)	A+V (mm)	dm (mm)	Bore (H8)	F (mm)	A (mm)	de (mm)	S (mm)	Lm (mm)
SRB10/2	2:1	1	15	15	22	13.3	4	5	11.9	17.4	0	6.58
		1	30	30	20	20.3	5	5	15.1	30.6	1.4	9
SRB10/2N	2:1	1	16	16	22	12	4	6	11.78	17.80	0	5
		1	32	32	23	18	5	6	18.04	32.89	2	10
SRB15/2	2:1	1.5	15	22.5	35	19.3	8	9	21.1	26.1	0	11.9
		1.5	30	45	32	32.3	8	9	25.2	45.9	2.2	16
SRB15/2N	2:1	1.5	16	24	36	18	8	10	21.53	26.68	0	10.5
		1.5	32	49.3	32	30	8	10	24.97	49.3	3	14
SRBB15/2**	2:1	1.5	15	22.5	32	16	6	8	17.23	26.11	1.73	7.88
		1.5	30	45	25	25	8	8	17.85	45.88	2.85	9
SRB20/2	2:1	2	15	30	45	25.3	8	11.5	26	34.8	0	14.1
		2	30	60	39	40.3	14	11.5	29.8	61.2	3	18
SRB20/2N	2:1	2	16	32	45	24	8	12	24.56	36	0	11
		2	32	64	38	36	12	12	28.08	65.57	4	13
SRBB20/2**	2:1	2	15	30	40	22	8	11	20.59	34.81	2.59	8
		2	30	60	31	30	10	11	21.6	61.17	3.6	10
SRB25/2	2:1	2.5	15	37.5	55	32.3	12	15	31.8	43.5	0	16.2
		2.5	30	75	45	45.3	16	15	33.7	76.5	3.7	20
SRB25/2N	2:1	2.5	16	40	58	32	12	15	32.45	44.47	0	16
		2.5	32	80	50	48	16	15	37.6	82.23	5	18
SRBB25/2**	2:1	2.5	15	37.5	55	30	12	15	31.81	43.51	2.81	15.63
		2.5	30	75	40	40	15	15	28.75	76.46	4.75	15
SRB30/2	2:1	3	15	45	66	40.3	12	17	37.3	52.2	0	19.9
		3	30	90	56	55.3	16	17	42.1	91.8	4.1	25
SRB30/2N	2:1	3	16	48	65	36	14	18	34.34	55	3	14
		3	32	96	55	60	14	18	40.12	97.88	5	20
SRB35/2	2:1	3.5	15	52.5	79	45.3	16	20.5	46.1	60.9	0	24.7
		3.5	30	105	61	60.3	20	20.5	45	107.1	5	25
SRB35/2N	2:1	3.5	16	56	77	42	14	22	42.1	64	3	18
		3.5	32	112	62	70	16	22	45.06	113	6	22
SRB40/2	2:1	4	15	60	87	50.3	20	22.5	48.6	69.6	0	24.6
		4	30	120	76	80.3	20/25	22.5	57.3	122.3	5.4	35
SRB40/2N	2:1	4	16	64	86	48	14	24	44.66	71.16	4	18
		4	32	128	70	80	20	24	50.50	131.58	7	25
SRB45/2	2:1	4.5	15	67.5	94	60.3	20	26	51.4	78.3	0	24.7
		4.5	30	135	81	80.3	20/30	26	60.3	137.6	6	35
SRB50/2	2:1	5	15	75	104	60.3	20/25	30	57.6	87	0	25.3
		5	30	150	85	80.3	20/30	30	62.5	152.9	6.5	35
SRB50/2N	2:1	5	16	80	111	56	16	30	59.91	91	5	25
		5	32	160	85	100	20	30	60.2	161	8	30
SRB30/2.5	2.5:1	3	16	48	81	40.3	16	21.5	41.9	55.7	0	19.6
		3	40	120	63	60.3	20	21.5	47.9	121.4	3.9	30

Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked gears please contact our Manufacturing Department for a quotation. **Supplied with black oxide finish.

Metric Bevel Gear Sets in Steel 3:1 Ratio, 1.0 - 5.0 MOD

DRIVEFLEX

Metric Bevel Gear Set



Note
Dimension 'L' = 'A' minus 'S'

Steel

- Intermediate sizes and special mitres to drawing
- DIN 3964, DIN 3967, DIN 3971
- Standard tolerances, unless otherwise stated ±0.25mm
- Shaft axis to intersect within ±0.025mm
- Angular accuracy between shafts ±5mins
- Mounting distance tolerance ±0.05mm
- Bore tolerance H8
- Cut to the Gleason System
- 20° pressure angle
- Supplied in pairs
- All dimensions in mm
- Steel EN8, (080M40/080M46) or equivalent

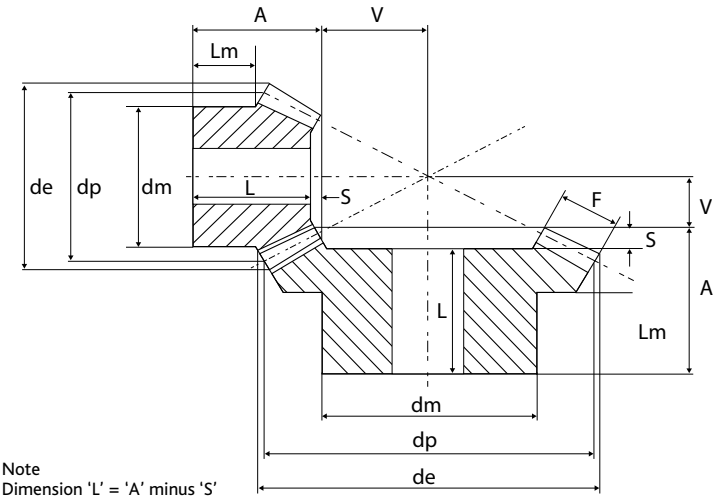
Code	Pitch module	No. teeth	dp (mm)	A+V (mm)	dm (mm)	Bore (H8)	F (mm)	A (mm)	de (mm)	S (mm)	Lm (mm)
SRB10/3	1	15	15	32	13.3	4	7.1	16.6	17.7	0	9.2
	1	45	45	22	25.3	8	7.1	17.1	45.3	1.9	10
SRB10/3N	1	16	16	32	12	4	8	15.91	18	0	7.3
	1	48	48	27	26	8	8	21.85	47.5	2.5	12
SRB15/3	1.5	15	22.5	46	19.3	8	10.5	22.6	26.5	0	11.7
	1.5	45	67.5	37	45.3	14	10.5	29.6	68.1	2.4	20
SRB15/3N	1.5	16	24	46	18	8	10	20.01	27.5	0	9
	1.5	48	72	34	46	12	10	25.68	72.7	3	14
SRB20/3	2	15	30	60	25.3	8	14	28.9	35.4	0	14.2
	2	45	90	42	45.3	16	14	32.1	90.8	3.7	20
SRB20/3N	2	16	32	62	25	10	14	27.96	37	0	12.8
	2	48	96	43	55	16	14	32.11	95.5	4	17
SRB25/3	2.5	15	37.5	73	32.3	12	18	34.6	44.2	0	15.9
	2.5	45	112.5	52	60.3	20	18	39.7	113.4	4.4	25
SRB25/3N	2.5	16	40	77	32	12	18	34.92	46.3	0	15.6
	2.5	48	120	54	70	20	18	40.83	121.06	5	20
SRB30/3	3	15	45	88	40.3	16	21	41.3	53	0	19.7
	3	45	135	62	60.3	20/25	21	47.2	136.1	5.2	30
SRB30/3N	3	16	48	90	38	14	22	39.88	55.5	3	16.3
	3	48	144	61	80	20	22	44.96	144	6	20
SRB35/3	3.5	15	52.5	105	45.3	20	23.5	49.6	61.9	0	25
	3.5	45	157.5	72	80.3	20/25	23.5	54.4	158.8	5.8	35
SRB35/3N	3.5	16	56	104	48	16	25	44.91	65	3	18.6
	3.5	48	168	69	90	20	25	50.09	168	7	25
SRB40/3	4	15	60	117	50.3	20	27.5	54.3	70.7	0	25.4
	4	45	180	77	80.3	20/30	27.5	57	181.5	6.5	35
SRB40/3N	4	16	64	116	52	16	28	47.93	74.5	4	18
	4	48	192	77	100	20	28	55.22	192	7	25
SRB45/3	4.5	15	67.5	128	55.3	20/25	28.5	55.2	79.5	0	24.8
	4.5	45	202.5	87	90.3	20/30	28.5	63.9	204.2	6.9	40
SRB50/3	5	15	75	145	60.3	20/25	33	65.3	88.4	0	30
	5	45	225	92	90.3	20/30	33	66.7	226.9	7.5	40
SRB50/3N	5	16	80	150	63	16	35	64.92	93	4	27
	5	48	240	92	140	20	35	64.78	240.5	9	30

Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked gears please contact our Manufacturing Department for a quotation.

Metric Bevel Gear Sets in Steel 4:1 Ratio, 1.0 - 5.0 MOD

DRIVEFLEX

Metric Bevel Gear Set



Note
Dimension 'L' = 'A' minus 'S'

Steel

- Intermediate sizes and special mitres to drawing
- DIN 3964, DIN 3967, DIN 3971
- Standard tolerances, unless otherwise stated ±0.25mm
- Shaft axis to intersect within ±0.025mm
- Angular accuracy between shafts ±5mins
- Mounting distance tolerance ±0.05mm
- Bore tolerance H8
- Cut to the Gleason System
- 20° pressure angle
- Supplied in pairs
- All dimensions in mm
- Steel EN8, (080M40/080M46) or equivalent

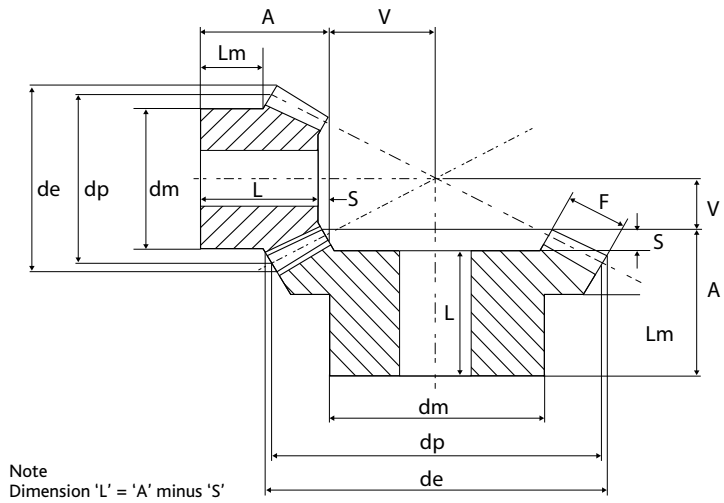
Code	Pitch module	No. teeth	dp (mm)	A+V (mm)	dm (mm)	Bore (H8)	F (mm)	A (mm)	de (mm)	S (mm)	Lm (mm)
SRB10/4	1	15	15	38	13.3	4	9.3	17.2	17.8	0	7.7
	1	60	60	22	30.3	8	9.3	17.1	60.3	1.9	10
SRB10/4N	1	16	16	40	14	4	10	17.94	18	0	7.75
	1	64	64	27	38	8	10	21.69	63.5	2.5	12
SRB15/4	1.5	15	22.5	57	20.3	8	11	23	26.7	0	11.7
	1.5	60	90	42	50.3	16	11	34	90.4	2.8	25
SRB15/4N	1.5	16	24	61	20	8	12	25.08	27.5	0	12.45
	1.5	64	96	39	56	16	12	30.79	96.58	3	15
SRB20/4	2	15	30	75	25.3	8	16	31	35.6	0	14.4
	2	60	120	48	60.3	16	16	37.6	120.6	3.4	25
SRB20/4N	2	16	32	76	26	10	16	28.11	37	0	11.2
	2	64	128	44	75	16	16	32.91	128.7	4	16
SRB25/4	2.5	15	37.5	94	32.3	14	19	38.1	44.5	0	18.4
	2.5	60	150	58	60.3	20	19	44.8	150.7	4.8	30
SRB25/4N	2.5	16	40	95	32	14	20	35.13	46.5	0	14
	2.5	64	160	55	90	20	20	40.58	159.5	5	20
SRB30/4	3	15	45	115	40.3	16	23	48.1	53.3	0	24.5
	3	60	180	69	80.3	20/25	23	53.2	180.8	5	35
SRB30/4N	3	16	48	110	40	14	25	39.12	56	2	13
	3	64	192	62	100	20	25	44.93	191.5	6	20
SRB35/4	3.5	15	52.5	131	45.3	20	26	52.1	62.2	0	25.1
	3.5	60	210	79	90.3	20/30	26	60.4	211	6	40
SRB35/4N	3.5	16	56	128	48	16	28	44.19	66	3	15
	3.5	64	224	80	120	20	28	59.82	223.5	7	30
SRB40/4	4	15	60	145	50.3	20	30	55.1	71.1	0	23
	4	60	240	82	90.3	20/30	30	60.8	241.1	7.8	40
SRB40/4N	4	16	64	150	52	16	32	54.22	75	3	20.5
	4	64	256	94	140	20	32	71.47	257.13	8	35
SRB45/4	4.5	15	67.5	159.9	52.3	20	32	57	79.97	0	23
	4.5	60	270	86.3	90.3	20/30	32	62	271.24	8.5	40
SRB50/4	5	15	75	177.7	55.3	20	34	62	88.8	0	25
	5	60	300	92	90.3	20/30	34	65	301.3	10	40
SRB50/4N	5	16	80	184	65	16	36	60.44	94.5	4	22.1
	5	64	320	105	170	20	36	75.66	321.24	10	35

Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked gears please contact our Manufacturing Department for a quotation.

Moulded Bevel Gear Sets, 30% Glass Filled Nylon 6, 1.5:1 & 2.1 Ratio 1.5 – 3.0 MOD

DRIVEFLEX

Metric Bevel Gear Set



Note
Dimension 'L' = 'A' minus 'S'

30% Glass Filled Nylon 6

- Intermediate sizes and special bevels
- to drawing (tooling charges may apply
- Standard tolerances, unless otherwise stated ±0.25 mm
- Shaft axis to intersect within ±0.025mm
- Angular accuracy between shafts ±5mins
- Mounting distance tolerance ±0.05mm
- Bore unmachined typically 0.5 – 1mm undersize
- Max. recommended working
- temperature 130°C
- 20° pressure angle
- Supplied in pairs
- All dimensions in mm
- 30% Glass filled Nylon 6
- **Also available in Blue Glass filled Nylon food grade material**

1.5:1 Ratio

Code	Pitch module	No. teeth	dp (mm)	de (mm)	dm (mm)	PreBore (rough)	F (mm)	Lm (mm)	A (mm)	A+V (mm)	S (mm)
PRB20/1.5	2	20	40	43.3	30	8	10	10.2	23	43.3	0
	2	30	60	62.2	50	11.5	10	15.2	27	40.6	0

2:1 Ratio

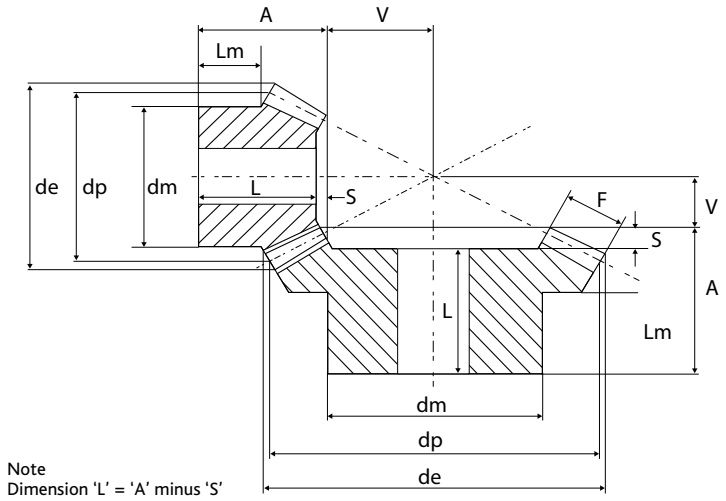
Code	Pitch module	No. teeth	dp (mm)	de (mm)	dm (mm)	PreBore (rough)	F (mm)	Lm (mm)	A (mm)	A+V (mm)	S (mm)
PRB15/2	1.5	16	24	26.7	18	8	8	10.3	20	36.4	0
	1.5	32	48	49.3	33	12	8	11.5	20	27.5	0
PRB20/2	2	16	32	35.6	24	10	10	12.2	23	45.4	0
	2	32	64	65.8	40	12	10	10	25	35.2	0
PRB25/2	2.5	16	40	44.4	30	12	12	14.4	27.5	56	2.5
	2.5	32	80	82.2	50	15	13	10	30	43.5	3.5
PRB30/2	3	16	48	53.4	40.5	14	15	11.6	28	61.6	0
	3	32	96	98.7	60	16	15	15	34	50.4	0

Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked gears please contact our Manufacturing Department for a quotation.

Moulded Bevel Gear Sets, 30% Glass Filled Nylon 6, 3.1 & 4.1 Ratio 1.5 – 3.0 MOD

DRIVEFLEX

Metric Bevel Gear Set



Note
Dimension 'L' = 'A' minus 'S'

30% Glass Filled Nylon 6

- Intermediate sizes and special bevels
- to drawing (tooling charges may apply
- Standard tolerances, unless otherwise stated ±0.25 mm
- Shaft axis to intersect within ±0.025mm
- Angular accuracy between shafts ±5mins
- Mounting distance tolerance ±0.05mm
- Bore unmachined typically 0.5 – 1mm undersize
- Max. recommended working
- temperature 130°C
- 20° pressure angle
- Supplied in pairs
- All dimensions in mm
- 30% Glass filled Nylon 6
- **Also available in Blue Glass filled Nylon food grade material**

3:1 Ratio

Code	Pitch module	No. teeth	dp (mm)	de (mm)	dm (mm)	PreBore (rough)	F (mm)	Lm (mm)	A (mm)	A+V (mm)	S (mm)
PRB15/3	1.5	16	24	26.9	20	8	12	9.7	22	46.3	0
	1.5	48	72	72.9	42	15	12	12	21	29.2	0
PRB20/3	2	16	32	35.8	25	10	15	9.4	25.5	58.9	1.5
	2	48	96	97.3	50	15	15	13	26	35.9	4
PRB25/3	2.5	16	40	44.7	34	14	18	9.2	26	70.4	0
	2.5	48	120	121.6	60	20	18	16	32	44.6	7
PRB30/3	3	16	48	53.7	35	10	18	11.2	30	84.2	0
	3	48	144	145.9	50	20	18	19	38	54.1	6

4:1 Ratio

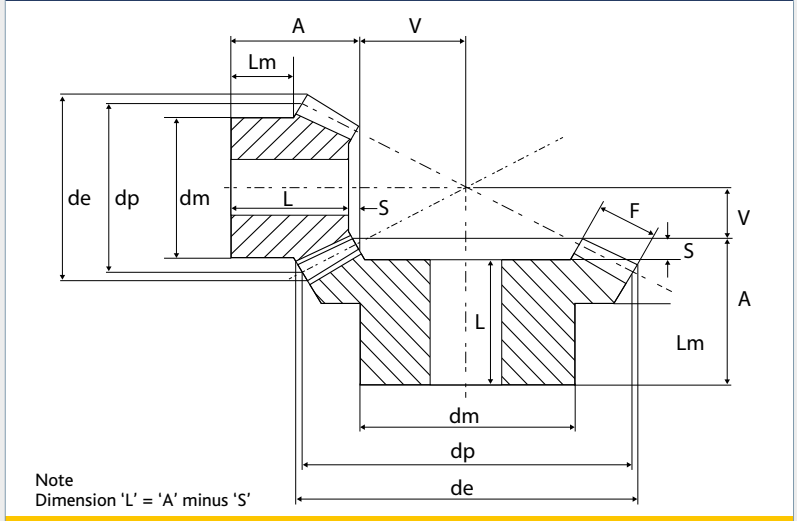
Code	Pitch module	No. teeth	dp (mm)	de (mm)	dm (mm)	PreBore (rough)	F (mm)	Lm (mm)	A (mm)	A+V (mm)	S (mm)
PRB20/4	2	16	32	35.9	25	12	15	8.5	24	73.1	1
	2	64	128	129	70	20	15	14	28	38.9	1
PRB25/4	2.5	16	40	44.9	32	15	18	11.7	30.5	92.6	0
	2.5	64	160	161.2	80	20	18	16	35	48.8	5
PRB30/4	3	16	48	53.8	35	10	20	11.1	32	108	0
	3	64	192	193.5	60	19	20	22	42	58.8	6

Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked gears please contact our Manufacturing Department for a quotation.

Moulded Bevel Gear Sets, White HOSTAFORM®
1.5:1, 2:1 & 3:1 Ratio 1.0 - 3.0 MOD

DRIVEFLEX

Metric Bevel Gear Set



Note
Dimension 'L' = 'A' minus 'S'

HOSTAFORM®

- Intermediate sizes and special mitres to drawing (tooling charges may apply)
- DIN 3962, 3963, 3967 grade 12
- Standard tolerances, unless otherwise stated ±0.25 mm.
- Shaft axis to intersect within ±0.025mm
- Angular accuracy between shafts ±5mins
- Mounting distance tolerance ±0.05mm
- Bore tolerance H9
- Max. recommended working temperature 90°C
- 20° pressure angle
- Supplied in pairs
- All dimensions in mm
- White HOSTAFORM® C
- Also available in hard-wearing Polyketone material

1.5:1 Ratio

Code	Pitch module	No. teeth	dp (mm)	de (mm)	dm (mm)	Bore (H9)	F (mm)	Lm (mm)	A (mm)	A+V (mm)	S (mm)
WPRB15/1.5	1.5	16	24	26	20	8	8	10.8	18.8	30	1
	1.5	24	36	37	24	10	8	11.3	19.5	26.6	1.5

2:1 Ratio

Code	Pitch module	No. teeth	dp (mm)	de (mm)	dm (mm)	Bore (H9)	F (mm)	Lm (mm)	A (mm)	A+V (mm)	S (mm)
WPRB10/2	1	15	15	16.8	12.2	5	6.6	10.6	17	26.4	0
	1	30	30	31.1	18	8	6.6	9.1	16.2	20.9	1.4
WPRB15/2	1.5	15	22.5	25.4	17	8	11	11.5	22.8	35.8	0
	1.5	30	45	46.4	23.4	10	11	9.6	19.5	26.2	2
WPRB20/2	2	15	30	33.6	22.5	10	15	11.8	27	44.2	1
	2	30	60	62.2	30.2	12	15	11.8	24.2	32.6	1.6
WPRB25/2	2.5	15	37.5	42	26.5	12	17	13	31.2	53.3	1.6
	2.5	30	75	77.3	36.1	16	17	15	29.5	40.5	2
WPRB30/2	3	15	45	50.3	31.2	14	21	14.8	36.3	63.3	1.3
	3	30	90	93	45	18	21	19	37	49.5	2.8

3:1 Ratio

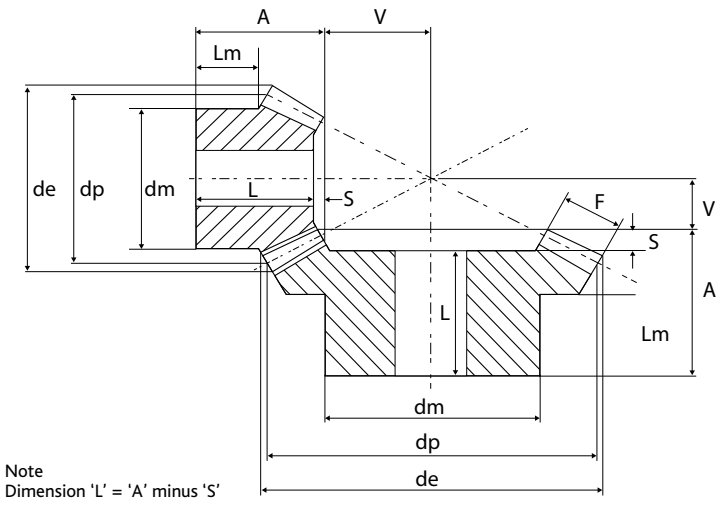
Code	Pitch module	No. teeth	dp (mm)	de (mm)	dm (mm)	Bore (H9)	F (mm)	Lm (mm)	A (mm)	A+V (mm)	S (mm)
WPRB10/3	1	15	15	16.6	12.3	5	9.2	11	20.4	34.3	0
	1	45	45	46.1	23.4	10	9.2	9.6	18.2	22.7	1.7
WPRB15/3	1.5	15	22.5	25.1	17.2	8	14	12.5	26.8	47.9	0
	1.5	45	67.5	68.8	30.4	12	14	11.5	23	29.4	1.5
WPRB20/3	2	10	20	24	16.6	6	13	12	25	43.7	0
	2	30	60	61.7	30.3	12	13	11.5	22.5	28	2.3
WPRB25/3	2.5	10	25	29.7	18.8	8	16	13	28.8	52.4	0
	2.5	30	75	77.2	36.1	18	16	15.5	29	35.7	3.8

Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked gears please contact our Manufacturing Department for a quotation.

Moulded Bevel Gear Sets, White HOSTAFORM®
4:1 & 5:1 Ratio 1.0 - 2.0 MOD

DRIVEFLEX

Metric Bevel Gear Set



Note
Dimension 'L' = 'A' minus 'S'

HOSTAFORM®

- Intermediate sizes and special mitres to drawing (tooling charges may apply)
- DIN 3962, 3963, 3967 grade 12
- Standard tolerances, unless otherwise stated ±0.25 mm
- Shaft axis to intersect within ±0.025mm
- Angular accuracy between shafts ±5mins
- Mounting distance tolerance ±0.05mm
- Bore tolerance H9
- Max. recommended working temperature 90°C
- 20° pressure angle
- Supplied in pairs
- All dimensions in mm
- White HOSTAFORM® C
- Also available in hard-wearing Polyketone material

4:1 Ratio

Code	Pitch module	No. teeth	dp (mm)	de (mm)	dm (mm)	Bore (H9)	F (mm)	Lm (mm)	A (mm)	A+V (mm)	S (mm)
WPRB10/4	1	10	10	12	7.8	4	8.2	9.3	17.7	30.1	0
	1	40	40	40.8	23.4	10	8.2	10.8	17	20.1	1.3
WPRB15/4	1.5	10	15	18	11.3	5	12	10.9	23.5	41.7	0
	1.5	40	60	61.2	30.4	12	12	12.8	21.7	26.2	1.7
WPRB20/4	2	10	20	23.8	14.3	6	16	12.8	28.9	54	0
	2	40	80	81.5	36	18	16	16.6	27	32.5	2.3

5:1 Ratio

Code	Pitch module	No. teeth	dp (mm)	de (mm)	dm (mm)	Bore (H9)	F (mm)	Lm (mm)	A (mm)	A+V (mm)	S (mm)
WPRB10/5	1	12	12	13.7	9.5	4	9.5	10	20.3	40.5	0
	1	60	60	60.4	20.5	10	9.5	11	17.4	21	1.9

Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked gears please contact our Manufacturing Department for a quotation.

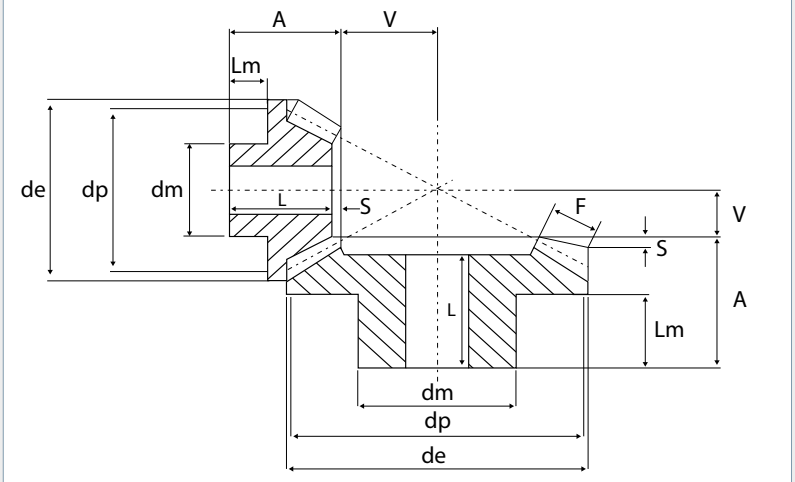


See Renold Gearboxes – Page 815

Metric Moulded Bevel Gear Sets, DELRIN® 500 2:1 Ratio, 0.5 - 1.0 MOD

DRIVEFLEX

Metric Bevel Gear Set



DELRIN®

- Intermediate sizes and special bevels to drawing (tooling charges may apply)
- Standard tolerances, unless otherwise stated ±0.25 mm
- Shaft axis to intersect within ±0.025mm
- Angular accuracy between shafts ±5mins
- Mounting distance tolerance ±0.05mm
- Bore tolerance -0.02 / -0.04mm
- Max. recommended working temperature 90°C
- 20° pressure angle
- Supplied in pairs
- All dimensions in mm
- Moulded DELRIN® 500 to gear quality AGMA 7

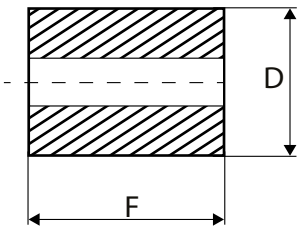
Code	Pitch module	No. teeth	Bore -0.02/-0.04	dp (mm)	de (mm)	F (mm)	A + V (mm)	dm (mm)	Lm (mm)	S (mm)	A (mm)
DRB05/2	0.5	40	4	20	20.29	2.5	12	12	4	1.33	8.33
	0.5	20	3	10	11.2	2.5	16	8	4	0	8.46
DRB08/2	0.8	40	5	32	32.47	3.5	18	15	6	1.9	11.91
	0.8	20	4	16	17.92	3.5	24	12	5	0	11.5
DRB10/2	1	40	6	40	40.59	4.5	22	18	7	2.45	14.45
	1	20	5	20	22.4	4.5	30	15	7	0	14.49

Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked gears please contact our Manufacturing Department for a quotation.

Sintered Bronze Bushes type OB

Code	Bore Ø (mm)	Outside Ø D (mm)	Length F (mm)	Use with
OB4612	4	6	12	DRB10

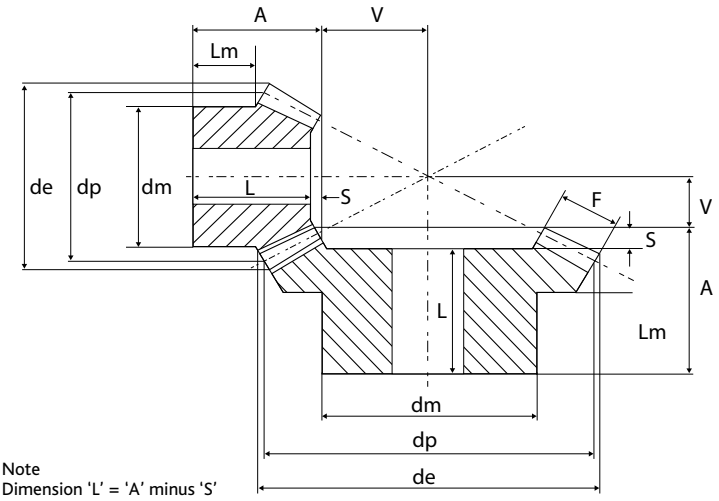
- Intermediate sizes and special bushes to drawing (tooling charges may apply)
- All dimensions in mm
- Bore tolerance G7
- OD tolerance s7
- Length tolerance js13



Metric Spiral Bevel Gear in Steel 2:1 Ratio, 1.5 - 5.0 MOD

DRIVEFLEX

Metric Spiral Bevel Gear Set



Note
Dimension 'L' = 'A' minus 'S'

Steel

- Intermediate sizes and special bevels to drawing
- Standard tolerances, unless otherwise stated ±0.25 mm
- Shaft axis to intersect within ±0.025mm
- Angular accuracy between shafts ±5mins
- Mounting distance tolerance ±0.05mm
- Pitch angle 45°
- Pinion left hand, gear wheel right hand
- Bore tolerance H8
- Cut to the Gleason System
- 20° pressure angle
- Supplied in pairs
- All dimensions in mm
- Steel EN8, (080M40/080M46) or equivalent

Code	Pitch module	No. teeth	dp (mm)	de (mm)	dm (mm)	Bore (H8)	F (mm)	Lm (mm)	A (mm)	A+V (mm)	S (mm)
SRBSP15/2	1.5	16	24	26.5	20	10	8	9.5	18.6	35	1.6
	1.5	32	48	48.3	32	12	8	10	20	28	2
SRBSP20/2	2	16	32	35.5	27	10	10	11.7	22.5	45	1.5
	2	32	64	64.5	40	12	10	10	24.1	35	2.6
SRBSP25/2	2.5	16	40	44.5	32	12	12	14	27.5	56	2.4
	2.5	32	80	80.5	50	15	12	15	29.2	43	3.3
SRBSP30/2	3	16	48	53.5	40	15	15	12	28.4	62	3.2
	3	32	96	97	60	15	15	15	34.6	51	4.8
SRBSP40/2	4	16	64	71.5	50	20	20	13.5	36.2	81	4
	4	32	128	129	80	20	20	23	44.2	66	5.5
SRBSP50/2	5	16	80	89.5	60	20	25	21	50	106	4.7
	5	32	160	162	90	25	25	27	53.7	81	6.9

Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked gears please contact our Manufacturing Department for a quotation.

TransDev
MANUFACTURING

A GOLD STANDARD
IN BRITISH MANUFACTURING

- UK's largest timing pulley manufacturer
- Large gear, pulley and sprocket stocks
- Rapid rework and made-to-order items
- Extensive tooling investment
- Dedicated manufacturing sales team
- 99.7% of orders completed to specification
- Competitive pricing and fast deliveries

MULCO
THE POWER OF A WELL-MESHED GROUP



For **TransDev Manufacturing** see page 7

BELTS PULLEYS CHAIN SPROCKETS GEARS BEARINGS LINEAR HARDWARE PLASTICS

TransDev®
THE POWER IN MOTION

DRIVEFLEX

Worms & Wormwheels



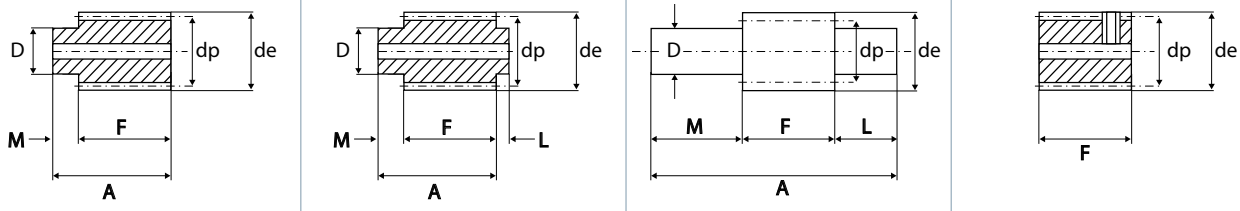
- METRIC
- STEEL, BRONZE AND CAST IRON
- SPECIAL SIZES AVAILABLE
- SINGLE START AND/OR DOUBLE START
- RIGHT HAND

Metric Worms in Steel 0.5 MOD - 6 MOD

811- 814

DRIVEFLEX

Metric Worms



TYPE A | TYPE B | TYPE C | TYPE D

- 0.5 Mod - 2 Mod Steel EN8M (226M44) or equivalent. 3 Mod - 6 Mod Steel EN8 (080M40,080M46) or equivalent.
- Intermediate sizes and special Worms to drawing
- All dimensions in mm
- Standard tolerances, unless otherwise stated ±0.25 mm
- Please note: We can also supply 2 start right hand Worms and single start left hand up to 2 module
- 20° pressure angle
- Bore tolerance H7
- Single & double start, right hand
- Right hand

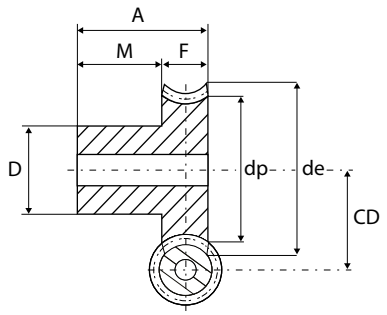
Code	Pitch module	dp	de	Shaft / Boss Ø D	M	Bore (H7)	F	L	A	Type
SWB05/1R	0.5	7	8	5.5	4	3	12	0	16	A
SWB075/1R	0.75	8.5	10	6	4	4	16	0	20	A
SWB10/1R	1	14	16	11	6	6	24	0	30	A
SWB15/1R	1.5	25	28	21	10	8	40	0	50	A
SWB20/1R	2	32	36	25	10	10	45	0	55	A
SWB30/1R	3	38	44	30	12	15	46	3	61	B
SWB40/1R	4	50	58	40	15	20	62	4	81	B
SWB50/1R	5	62	72	50	18	25	80	5	103	B
SWB60/1R	6	80	92	65	20	35	80	20	120	B
SWS05/1R	0.5	7	8	5.5	18	-	12	10	40	C
SWS075/1R	0.75	8.5	10	6	20	-	16	15	51	C
SWS10/1R	1	14	16	10	30	-	24	20	74	C
SWS15/1R	1.5	25	28	20	40	-	40	30	110	C
SWS20/1R	2	32	36	25	50	-	45	36	131	C
SWS30/1R	3	38	44	30	130	-	46	90	266	C
SWS40/1R	4	50	58	40	175	-	62	120	357	C
SWS50/1R	5	62	72	50	220	-	80	150	450	C
SWS60/1R	6	80	92	65	220	-	80	150	450	C
BSWB08/1R**	0.8	14	15.6	-	-	6	30	-	-	D
BSWB08/2R**	0.8	14	15.6	-	-	6	30	-	-	D
BSWB10/1R**	1	16	18	-	-	6	32	-	-	D
BSWB10/2R**	1	16	18	-	-	6	32	-	-	D

Please note: **These Worms are black oxide finished and have a 1 x M4 G/S fitted (5mm from one end). Type BSWB Worms MUST be run only with type NBWW Wormwheels. All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation. For special or reworked worms please contact our Manufacturing Department for a quotation.

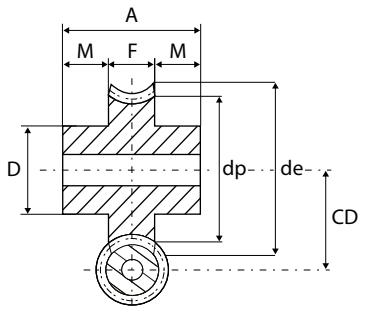
Metric Wormwheels in Bronze 0.5 - 0.8 MOD

DRIVEFLEX

Metric Wormwheels



TYPE A



TYPE B

- 20° pressure angle
- Bore tolerance H7
- Single(1R) & double(2R) start right hand
- Intermediate sizes and special Wormwheels to drawing
- All dimensions in mm
- Standard tolerances, unless otherwise stated ±0.25 mm
- Bronze, PB1/PB2 or equivalent

Code	Pitch module	No. teeth	dp	de	Boss Ø D	M	Bore (H7)	F	A	Centre distance	Type
BWW05/20/1R	0.5	20	10	11.4	8	5	3	3	8	8.5	A
BWW05/25/1R	0.5	25	12.5	14	10	5	4	3	8	9.75	A
BWW05/30/1R	0.5	30	15	16.5	10	5	4	3	8	11	A
BWW05/40/1R	0.5	40	20	21.5	10	5	4	3	8	13.5	A
BWW05/50/1R	0.5	50	25	26.5	10	5	4	3	8	16	A
BWW05/60/1R	0.5	60	30	31.5	15	5	4	3	8	18.5	A
BWW05/75/1R	0.5	75	37.5	39	15	5	4	3	8	22.25	A
BWW05/100/1R	0.5	100	50	51.5	15	5	5	3	8	28.5	A
BWW075/16/1R	0.75	16	12	13.8	10	6	4	3	9	10.25	A
BWW075/18/1R	0.75	18	13.5	15.4	10	6	4	3	9	11	A
BWW075/20/1R	0.75	20	15	16.9	10	6	4	3	9	11.75	A
BWW075/25/1R	0.75	25	18.75	20.6	12	6	4	3	9	13.63	A
BWW075/30/1R	0.75	30	22.5	24.4	12	6	4	3	9	15.5	A
BWW075/40/1R	0.75	40	30	32	12	6	4	3	9	19.25	A
BWW075/50/1R	0.75	50	37.5	39.5	12	6	4	3	9	23	A
BWW075/60/1R	0.75	60	45	47	15	6	4	3	9	26.75	A
BWW075/75/1R	0.75	75	56.25	58.25	15	6	4	3	9	32.38	A
BWW075/100/1R	0.75	100	75	77	15	6	5	3	9	41.75	A
NBWW08/20/1R	0.8	20	16.03	17.6	12	9	5	9	18	15	A
NBWW08/20/2R	0.8	20	16.11	17.6	12	9	5	9	18	15	A
NBWW08/30/1R	0.8	30	24.04	25.6	18	9	5	9	18	19	A
NBWW08/30/2R	0.8	30	24.16	25.6	18	9	5	9	18	19	A
NBWW08/40/1R	0.8	40	32.05	33.6	20	9	6	9	18	23	A
NBWW08/50/1R	0.8	50	40.06	41.6	25	9	8	9	18	27	A

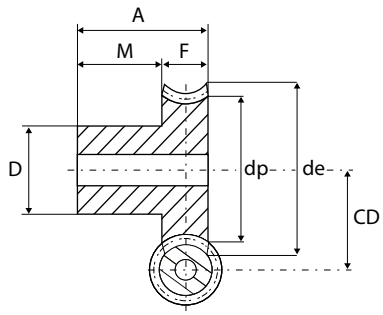
- Please note: We can also supply 2 start right hand Wormwheels and single start left hand up to 2 module.

Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked Wormwheels please contact our Manufacturing Department for a quotation.

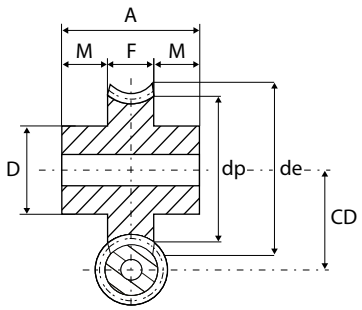
Metric Wormwheels in Bronze 1 MOD

DRIVEFLEX

Metric Wormwheels



TYPE A



TYPE B

- 20° pressure angle
- Bore tolerance H7
- Single(1R) & double(2R) start right hand
- Intermediate sizes and special Wormwheels to drawing
- All dimensions in mm
- Standard tolerances, unless otherwise stated ±0.25 mm
- Bronze, PB1/PB2 or equivalent

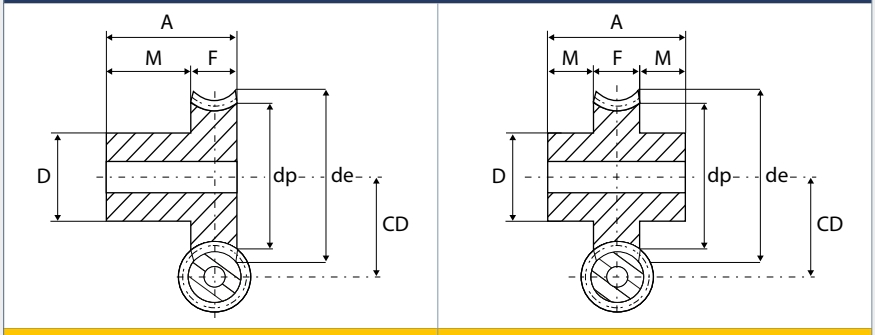
Code	Pitch module	No. teeth	dp	de	Boss Ø D	M	Bore (H7)	F	A	Centre distance	Type
BWW10/16/1R	1	16	16	18.7	12	8	5	6.5	14.5	15	A
BWW10/18/1R	1	18	18	20.7	12	8	5	6.5	14.5	16	A
BWW10/20/1R	1	20	20	22.7	16	8	5	6.5	14.5	17	A
BWW10/25/1R	1	25	25	27.7	16	8	5	6.5	14.5	19.5	A
BWW10/30/1R	1	30	30	32.7	16	10	6	6.5	16.5	22	A
BWW10/35/1R	1	35	35	37.7	16	10	6	6.5	16.5	24.5	A
BWW10/40/1R	1	40	40	42.7	20	10	6	6.5	16.5	27	A
BWW10/50/1R	1	50	50	52.7	20	10	6	6.5	16.5	32	A
BWW10/60/1R	1	60	60	62.7	30	10	6	6.5	16.5	37	A
BWW10/75/1R	1	75	75	77.7	30	10	6	6.5	16.5	44.5	A
BWW10/100/1R	1	100	100	102.7	30	12	6	6.5	18.5	57	A
BWW10/125/1R	1	125	125	127.7	40	12	8	6.5	18.5	69.5	A
BWW10/150/1R	1	150	150	152.7	40	12	8	6.5	18.5	82	A
NBWW10/20/1R	1	20	20.05	23	16	10	6	10	20	18	A
NBWW10/20/2R	1	20	20.16	23	16	10	6	10	20	18	A
NBWW10/30/1R	1	30	30.07	33	20	10	6	10	20	23	A
NBWW10/30/2R	1	30	30.24	33	20	10	6	10	20	23	A
NBWW10/40/1R	1	40	40.09	43	26	10	8	10	20	28	A
NBWW10/50/1R	1	50	50.12	53	30	10	8	10	20	33	A

Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked Wormwheels please contact our Manufacturing Department for a quotation.

Metric Wormwheels in Bronze 1.5 - 2 MOD

DRIVEFLEX

Metric Wormwheels



TYPE A | TYPE B

- 20° pressure angle
- Bore tolerance H7
- Single(1R) & double(2R) start right hand
- Intermediate sizes and special Wormwheels to drawing
- All dimensions in mm
- Standard tolerances, unless otherwise stated ±0.25 mm
- Bronze, PB1/PB2 or equivalent

Code	Pitch module	No. teeth	dp	de	Boss Ø D	M	Bore (H7)	F	A	Centre distance	Type
BWW15/16/1R	1.5	16	24	28.4	20	8	8	12	28	24.5	B
BWW15/18/1R	1.5	18	27	31.4	20	8	8	12	28	26	B
BWW15/20/1R	1.5	20	30	34.4	24	8	10	12	28	27.5	B
BWW15/25/1R	1.5	25	37.5	41.9	30	8	10	12	28	31.25	B
BWW15/30/1R	1.5	30	45	49.4	30	8	10	12	28	35	B
BWW15/40/1R	1.5	40	60	63.4	30	10	10	12	32	42.5	B
BWW15/50/1R	1.5	50	75	79.4	30	10	10	12	32	50	B
BWW15/60/1R	1.5	60	90	94.4	40	10	12	12	32	57.5	B
BWW15/75/1R	1.5	75	112.5	116.9	40	10	12	12	32	68.75	B
BWW15/100/1R	1.5	100	150	154.4	45	10	12	12	32	87.5	B
BWW20/16/1R	2	16	32	37.7	25	8	8	14	30	32	B
BWW20/18/1R	2	18	36	41.7	25	8	10	14	30	34	B
BWW20/20/1R	2	20	40	45.7	30	10	12	14	34	36	B
BWW20/25/1R	2	25	50	55.7	35	10	12	14	34	41	B
BWW20/30/1R	2	30	60	65.7	40	10	12	14	34	46	B
BWW20/40/1R	2	40	80	85.7	40	10	12	14	34	56	B
BWW20/48/1R**	2	*48*	96	102	35	12	20	16	28	64	A
BWW20/50/1R	2	50	100	105.7	40	10	12	14	34	66	B
BWW20/60/1R	2	60	120	125.7	50	10	12	14	34	76	B

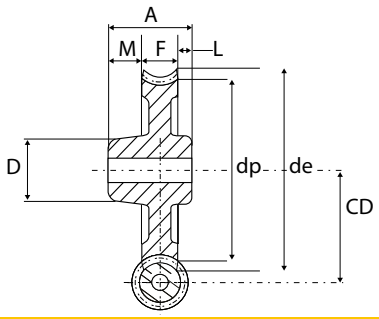
- Please note: We can also supply 2 start right hand Wormwheels and single start left hand up to 2 module

Please note: ** Single hub only. All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation. For special or reworked Wormwheels please contact our Manufacturing Department for a quotation.

Metric Wormwheels in Cast Iron 3 - 6 MOD

DRIVEFLEX

Metric Wormwheels



Cast Iron

- 20° pressure angle
- Bore tolerance H7
- Single start
- Right hand
- Intermediate sizes and special Wormwheels to drawing
- All dimensions in mm
- Standard tolerances, unless otherwise stated ±0.25 mm
- Cast Iron - grade GG20

Code	Pitch module	No. teeth	dp	de	Boss Ø D	Length M	Bore (H7)	F	L	A	Centre distance
CWW30/16/1R	3	16	48	57	40	18	15	24	4	46	43
CWW30/18/1R	3	18	54	63	40	18	15	24	4	46	46
CWW30/20/1R	3	20	60	71	40	18	15	24	4	46	49
CWW30/26/1R	3	26	78	89	45	18	18	24	4	46	58
CWW30/30/1R	3	30	90	100	50	18	20	24	4	46	64
CWW30/32/1R	3	32	96	107	50	18	20	24	4	46	67
CWW30/40/1R	3	40	120	131	65	18	25	24	4	46	79
CWW30/52/1R	3	52	156	167	75	23	30	24	4	51	97
CWW30/60/1R	3	60	180	190	80	23	30	24	4	51	109
CWW30/65/1R	3	65	195	206	85	23	35	24	4	51	116.5
CWW40/16/1R	4	16	64	76	50	21	20	34	5	60	57
CWW40/20/1R	4	20	80	96	50	21	20	34	5	60	65
CWW40/26/1R	4	26	104	120	55	21	25	34	5	60	77
CWW40/30/1R	4	30	120	135	60	21	25	34	5	60	85
CWW40/32/1R	4	32	128	144	65	21	25	34	5	60	89
CWW40/40/1R	4	40	160	176	75	21	30	34	5	60	105
CWW40/52/1R	4	52	208	224	85	26	35	34	5	65	129
CWW40/60/1R	4	60	240	255	100	26	40	34	5	65	145
CWW40/65/1R	4	65	260	276	100	26	40	34	5	65	155
CWW50/18/1R	5	18	90	105	70	27	20	40	5	72	76
CWW50/26/1R	5	26	130	151	70	27	30	40	5	72	96
CWW50/30/1R	5	30	150	170	75	27	30	40	5	72	106
CWW50/40/1R	5	40	200	221	85	27	35	40	5	72	131
CWW50/60/1R	5	60	300	320	100	32	40	40	5	77	181
CWW50/65/1R	5	65	325	346	115	32	45	40	5	77	193.5
CWW60/25/1R	6	25	150	170	75	25	30	40	5	70	115
CWW60/30/1R	6	30	180	200	80	25	30	40	5	70	130
CWW60/40/1R	6	40	240	260	100	30	40	40	5	75	160
CWW60/50/1R	6	50	300	320	120	30	40	40	5	75	190
CWW60/60/1R	6	60	360	378	150	30	45	40	5	75	220

Please note: All dimensions subject to change. If a dimension is critical to your application please contact our Sales Department for confirmation.
For special or reworked Wormwheels please contact our Manufacturing Department for a quotation.

RENOLD Gears

Gearboxes



- STANDARD & CUSTOM OPTIONS
- WORM, HELICAL AND BEVEL GEAR UNITS
- PACKAGE DRIVES
- REPLACEMENT UNITS
- SERVICES



TransDev SERVICES

RENOLD Gears

RENOLD GEARBOX SOLUTIONS

Quality Gearing combined with TransDev expertise



Quality Gearing combined with TransDev expertise

Renold Gearboxes feature worm, helical and bevel gear units for all industrial applications. Together with TransDev, Renold Gears also offers a unique design and manufacturing service supported by full project management to ensure the best engineering solution to every unique application.

Standard Solutions

- Extensive range of geared motors and industrial reducers: worm, helical and bevel.
- Modular design to allow fast final assembly and same day despatch.
- Rapid Response Service minimises costly downtime.

Renold Custom Gearbox Solutions

Renold custom Gearbox solutions are underpinned by a unique design and manufacturing service, further supported by full project management to ensure the best engineering solution to every unique application

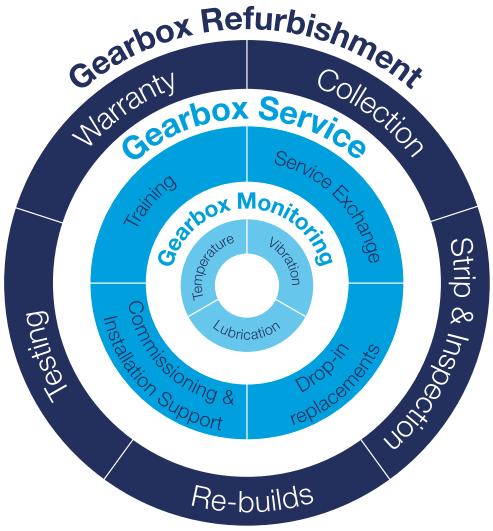
- **Package Drives**
  Complete power transmission solutions.
- **Custom Design**
  Designed and manufactured to each customer's specific dimensions.
- **Replacement Units**
  Gearboxes to replace obsolete units with no need for modifications.
- **Critical Applications**
  Gearboxes where design verification is critical to meet exacting customer requirements.

Renold Gearbox Refurbishment

Renold Gears offers a complete industrial Gearbox refurbishment service. Renold's expertise is based on over 130 years of Gearbox design and manufacture, and is supported by a dedicated Service Team. Renold also offers a Rapid Response Service to ensure minimum disruption and downtime.

The refurbishment service includes:

- Collection of unit
- Strip and inspection
- Re-build to 'as new' condition
- Testing
- 12-month warranty



24hr Breakdown available | Customisable product | Product code builder | Compatible product

RENOLD Standard Gearbox Solutions

RENOLD Gears

Type		Series	Power	Ratios
	Worm Gear Units	jPM Series	Up to 6.66 kW	5:1 to 70:1
	Worm Gear Units	WM Series	Up to 115 kW	5:1 to 70:1 *(Single reduction)* 75:1 to 4,900:1 *(Double reduction)*
	Worm Gear Units	TW Series	Up to 1459 kW	5:1 to 70:1 *(Single reduction)* 75:1 to 4,900:1 *(Double reduction)*
	Shaft Mount Helical	SMX Series	Up to 235 kW	5:1 *(Single reduction)* 13:1, 20:1, 25:1 *(Double reduction)*
	Inline Helical Gear Unit	R Series	Up to 160 kW	Up to 58:1 *(In 2 stage)* Up to 16,200:1 *(In combined form)*
	Shaft Mounted Gear Unit	F Series	Up to 110 kW	5:1 to 100:1 *(Double reduction)* Up to 5,600:1 *(In combined form)*
	Helical Worm Gear Unit	S Series	Up to 45 kW	Up to 250:1 *(In 2 stage)* Up to 60,000:1 *(In combined form)*
	Bevel Helical Gear Unit	K Series	Up to 160 kW	Up to 160:1 *(In 3 stage)* Up to 35,000:1 *(In combined form)*
	Helical & Bevel Helical Gear Units	H Series	Up to 1860 kW	Up to 315:1 *(In multi stage)* Up to 70,000:1 *(In combined form)*

VERTICAL FORM, FILL, SEAL (VFFS) BELTS

TRANSGRIP

A DRAWDOWN RANGE TO GET TO GRIPS WITH



We offer a wide range of high quality Drawdown Belts for the food and packaging industry.

These manufactured toothed timing belts come complete with a backing on the top surface to help vertically draw down film in packaging machines to make bags. A complete range of moulded, seamless backings, machining and milling options are also available.

- **Huge stock range**
- **Base Belts available in Polyurethane and Polychloroprene rubber**
- **All metric and imperial tooth available**
- **Bi-directional moulded belts**
- **Belt design ensures the best possible vacuum seal**
- **Belts can be supplied in pairs and in sealed bags**
- **Over 500 belts for popular packaging machine brands are available including: Bosch, Ishida, Rovema, Sandiacre and TNA**
- **Full technical support, supply and stocking options**
- **Glued backings also available for non-standard sizes**



Call to request a brochure

For **Drawdown Belts** see page 303

BELTS PULLEYS CHAIN SPROCKETS GEARS BEARINGS LINEAR HARDWARE PLASTICS

TransDev®
THE POWER IN MOTION



BEARINGS

Introduction 820
LUBE Solutions 821
Mounting & Dismounting Tools 821

Ball Bearings 822
Radial Ball Bearings 823
Deep Groove Ball Bearings 824
Popular Metric Bearings (Steel & Stainless Steel) 826
Standard Bearings 828
Miniature Ball Bearings 829
Angular Contact Ball Bearings 830
Double Row Self Aligning Ball Bearings 832
Thrust Bearings 833
High Precision Ball Bearings 834
Thin-Section Bearings 836
NTN-BCA Ball Bearings 836

Roller Bearings 837
Cylindrical Roller Bearings 838
Spherical Roller Bearings 840
Tapered Roller Bearings 842
High Precision Roller Bearings 844
Needle Roller Bearings 845
Combined Bearings 849

Rod End Bearings 850
Female 851
Male 852

Spherical Plain Bearings 853

Radial & Axial Plain Bearings 856

Cam Followers 856

Bearing Housing Units 857
Cast Iron (with Steel Inserts) 858
Pressed Steel (with Steel Inserts) 865
Stainless Steel (with inserts) 866
Thermoplastic (with Stainless Steel Inserts) 871

Bearing Housing Inserts 875
Steel 876
Stainless Steel 878

Bearings with Solid Lubrication 880

Components and Accessories 881

Adaptor Sleeves 881

Split Bearings 882

Bearings with Integrated Sensors 882

Industrial Constant Velocity Joints 882

Tension Levellers 882



Bearings

THE IDEAL BEARINGS SOLUTION

Combine genuine NTN quality with TransDev's motion expertise and complementary product ranges.

Two Brands Equals Even More Choice!
TransDev also offer an alternative range of Bearing products as part of their Driveflex value brand

NTN
Make the world NAMERAKA

DRIVEFLEX

Bearings and Bearing Housings

NTN, part of the 3rd largest bearing manufacturing group in the world, is a major force as a designer, developer and manufacturer. Thanks to its strong brands, NTN is highly active in the automobile, industrial and aeronautics sectors. Together with TransDev, NTN offers top quality technical products and can provide specialist solutions.

Innovation is a decisive factor in development: anticipating new solutions, enriching bearing functionalities, etc. Whether it is designing Bearings that are more compact, lighter, more economical, more reliable, more effective, better for the environment; NTN are constantly innovating.



Visit transdev.co.uk
to download a brochure

DRIVEFLEX

NTN
Make the world NAMERAKA

Mounting & Dismounting Tools

Mounting and dismounting a bearing: these essential stages determine the life span of the installation as well as its correct operation.

- Cold mounting
- Hot mounting
- Hydraulic mounting
- Dismounting tools
- Instruments



LUBE Solutions

LUB'SOLUTIONS provides support for your lubrication project, from design to installation; offering lubricants specially selected for your applications and single-point or multi-point lubrication systems, according to your process size and requirements.

Cartridges and tanks from 400g up to 190 kg.

Universal
Duty
Vib
Food AL
High Temp
Ultra High Temp
High Speed
Chain Oil
Food Chain Oil



Automatic
Single-Point Lubricators



Automatic
Multi-Single Points

Wide selection of Steel, Stainless Steel and Thermoplastic Bearing Housings available
SEE P857



NTN
Make the world NAMERAKA

DRIVEFLEX

Ball Bearings



- RADIAL & DEEP GROOVE
- POPULAR METRIC
- MINIATURE & THRUST
- ANGULAR CONTACT
- DOUBLE ROW SELF ALIGNING
- HIGH PRECISION
- THIN SECTION

Radial Ball Bearings



The basic bearing of excellence, the ball bearing is designed to accept radial and/or axial loads according to internal design.

Standard Ranges

Sheet, solid or reinforced polyamide cage depending on the series and dimensions.

Metric Range

- 1 row: 6700, 6800, 6900,16000, 6000, 6200, 6300, 6400
  - Miniature range
  - Large bearings: bore ≤ 1320 mm
- 2 rows: 4200, 4300

Inch Range (R-)

- Reduced (-C2) or enhanced (-C3, -C4, -C5) internal radial clearances
- Increased precisions (-P6, -P5, -P4)

Ring Modifications

- Presence of a groove on the outer ring with (-NR) or without a snap ring (-N)
- Tapered bore (-K), spherical outer diameter (-S)
- Other materials
  - Case hardened steel (E-)
  - Stainless steel
  - Special steel with special heat treatment for long lifetime (TMB-, TAB-)
- Stabilisation for higher-than-standard operating temperatures (TS1 / TS2 / TS3 / TSX)

Specific Ranges

Developed for tough environments.

Expansion Compensating Bearings

- **EC**: if a tight adjustment on the outer ring (rotating loads on the outer ring) is impossible or a risk of ring rotation exists.
- **AC**: similar concept to EC- range, the anti-rotation function is provided by two O- rings

***Stainless Steel Range** (S- by SNR, F- by NTN): to prevent corrosion (maritime environments, food, etc.)

TOPLINE Range:
Standard dimensions for specific applications

Specific restrictions	Characteristics	Suffixes
High temperatures	+150°C	-FT150
High temperatures	+200°C	-HT200
High temperatures	+350°C	-F600
Low temperatures	-60°C	-LT
High speeds	Up to 700 000 NDm	-HV

EMTR Range: low noise quality level with optimised design, especially for electrical motors

MEGAOHM Range: bearings with electrical insulation- mainly for applications with electrical motors and generators

CLEAN Range: for environments with an extreme vacuum (semi-conductors, aeronautics, etc.)

Possible Cage Variants (suffixes)

Type of cage	NTN	SNR
Brass	-L1	-M
Solid steel	-F1	-
Riveted steel	-JR	-
Reinforced polyamide fibre glass	-T2	-G15

Sealing

Type	Characteristics	Suffixes
Shield	Metal	-Z / -ZZ
Seal	Standard contact	-LU / -LLU (NTN); -E / -EE (SNR)
Seal	Non-contact (labyrinth effect)	-LB / -LLB
Seal	Low torque contact with pressure balancing system	-LH / -LLH
Seal	Standard contact for high temperatures (+150°C)	-LUA / -LLUA
Seal	Standard contact for very high temperatures (+200°C)	-LUA1 / -LLUA1
Seal	Standard contact for extreme temperatures (from -100°C to +200°C)	-LUA2 / -LLUA2

Deep Groove Ball Bearings



- Normal and C3 clearances
- Sealed, shielded and open variants

Part No.	Dimensions (mm)			Seals/Shields	Clearance
	Inside Ø	Outside Ø	Width		
6800	10	19	5	Open	Normal
6800-ZZ	10	19	5	Shields	Normal
6800-2RS	10	19	5	Seals	Normal
6900	10	22	6	Open	Normal
6900-ZZ	10	22	6	Shields	Normal
6900-2RS	10	22	6	Seals	Normal
6801	12	21	5	Open	Normal
6801-ZZ	12	21	5	Shields	Normal
6801-2RS	12	21	5	Seals	Normal
6901	12	24	6	Open	Normal
6901-ZZ	12	24	6	Shields	Normal
6901-2RS	12	24	6	Seals	Normal
6802	15	24	5	Open	Normal
6802-ZZ	15	24	5	Shields	Normal
6802-2RS	15	24	5	Seals	Normal
6902	15	28	7	Open	Normal
6902-ZZ	15	28	7	Shields	Normal
6902-2RS	15	28	7	Seals	Normal
16002	15	32	8	Open	Normal
6803	17	26	5	Open	Normal
6803-ZZ	17	26	5	Shields	Normal
6803-2RS	17	26	5	Seals	Normal
6903	17	30	7	Open	Normal
6903-ZZ	17	30	7	Shields	Normal
6903-2RS	17	30	7	Seals	Normal
16003	17	35	8	Open	Normal
6804	20	32	7	Open	Normal
6804-ZZ	20	32	7	Shields	Normal
6804-2RS	20	32	7	Seals	Normal
6904	20	37	9	Open	Normal
6904-ZZ	20	37	9	Shields	Normal
6904-2RS	20	37	9	Seals	Normal
16004	20	42	8	Open	Normal
6805	25	37	7	Open	Normal
6805-ZZ	25	37	7	Shields	Normal

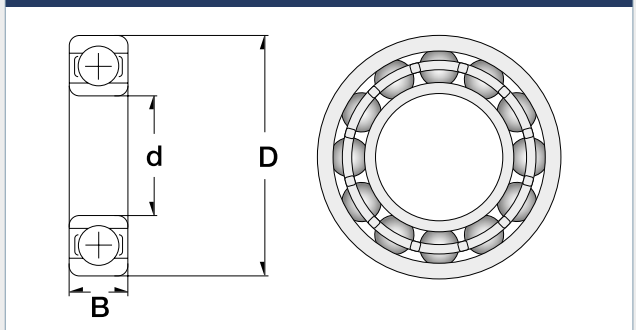
Deep Groove Ball Bearings

NTN
Make the world NAMERAKA

Part No.	Dimensions (mm)			Seals/Shields	Clearance
	Inside Ø	Outside Ø	Width		
6805-2RS	25	37	7	Seals	Normal
6905	25	42	9	Open	Normal
6905-ZZ	25	42	9	Shields	Normal
6905-2RS	25	42	9	Seals	Normal
16005	25	47	8	Open	Normal
6806	30	42	7	Open	Normal
6806-ZZ	30	42	7	Shields	Normal
6806-2RS	30	42	7	Seals	Normal
6906	30	47	9	Open	Normal
6906-ZZ	30	47	9	Shields	Normal
6906-2RS	30	47	9	Seals	Normal
16006	30	55	9	Open	Normal
6807	35	47	7	Open	Normal
6807-ZZ	35	47	7	Shields	Normal
6807-2RS	35	47	7	Seals	Normal
6907	35	55	10	Open	Normal
6907-ZZ	35	55	10	Shields	Normal
6907-2RS	35	55	10	Seals	Normal
16007	35	62	9	Open	Normal
6808	40	52	7	Open	Normal
6808-ZZ	40	52	7	Shields	Normal
6808-2RS	40	52	7	Seals	Normal
6908	40	62	12	Open	Normal
6908-ZZ	40	62	12	Shields	Normal
6908-2RS	40	62	12	Seals	Normal
16008	40	68	9	Open	Normal
6809	45	58	7	Open	Normal
6809-ZZ	45	58	7	Shields	Normal
6809-2RS	45	58	7	Seals	Normal
6909	45	68	12	Open	Normal
6909-ZZ	45	68	12	Shields	Normal
6909-2RS	45	68	12	Seals	Normal
16009	45	75	10	Open	Normal
6810	50	65	7	Open	Normal
6810-ZZ	50	65	7	Shields	Normal
6810-2RS	50	65	7	Seals	Normal
6910	50	72	12	Open	Normal
6910-ZZ	50	72	12	Shields	Normal
6910-2RS	50	72	12	Seals	Normal
6911	55	80	13	Open	Normal
6911-ZZ	55	80	13	Shields	Normal
6911-2RS	55	80	13	Seals	Normal
16011	55	90	11	Open	Normal
6812	60	78	10	Open	Normal
6812-ZZ	60	78	10	Shields	Normal
6812-2RS	60	78	10	Seals	Normal
6912	60	85	13	Open	Normal
6912-ZZ	60	85	13	Shields	Normal
6912-2RS	60	85	13	Seals	Normal
16012	60	95	11	Open	Normal

Popular Metric Bearings

Steel Bearing



Popular Metric

- Steel
- Popular metrics
- Standard versions
- Open, with seals or shields
- Fast deliveries

Part No.*	Dimensions (mm)			Seals/Shields	Clearance
	d	D	B		
6000	10	26	8	Yes	Normal
6001	12	28	8	Yes	Normal
6002	15	32	9	Yes	Normal
6003	17	35	10	Yes	Normal
6004	20	42	12	Yes	Normal
6005	25	47	12	Yes	Normal
6006	30	55	13	Yes	Normal
6007	35	62	14	Yes	Normal
6008	40	68	15	Yes	Normal
6009	45	75	16	Yes	Normal
6010	50	80	16	Yes	Normal
6011	55	90	18	Yes	Normal
6012	60	95	18	Yes	Normal
6200	10	30	9	Yes	Normal
6201	12	32	10	Yes	Normal
6202	15	35	11	Yes	Normal
6203	17	40	12	Yes	Normal
6204	20	47	14	Yes	Normal
6205	25	52	15	Yes	Normal
6206	30	62	16	Yes	Normal

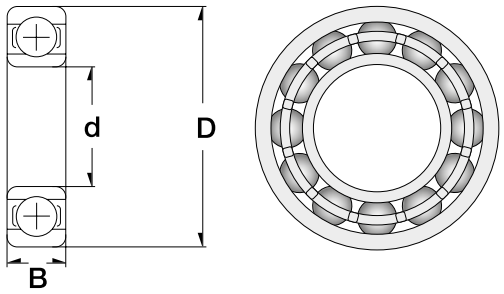
Part No.*	Dimensions (mm)			Seals/Shields	Clearance
	d	D	B		
6207	35	72	17	Yes	Normal
6208	40	80	18	Yes	Normal
6209	45	85	19	Yes	Normal
6210	50	90	20	Yes	Normal
6211	55	100	21	Yes	Normal
6212	60	110	22	Yes	Normal
6300	10	35	11	Yes	Normal
6301	12	37	12	Yes	Normal
6302	15	42	13	Yes	Normal
6303	17	47	14	Yes	Normal
6304	20	52	15	Yes	Normal
6305	25	62	17	Yes	Normal
6306	30	72	19	Yes	Normal
6307	35	80	21	Yes	Normal
6308	40	90	23	Yes	Normal
6309	45	100	25	Yes	Normal
6310	50	110	27	Yes	Normal
6311	55	120	29	Yes	Normal
6312	60	130	31	Yes	Normal

* Part No. = Open (Shields = ...ZZ Seals = ...2RS)

Stainless Steel Popular Metric Bearings

DRIVEFLEX

Stainless Steel Bearing



Popular Metric

- Stainless Steel
- Popular metrics
- Standard versions
- Fast deliveries
- FDA versions also available (ask TransDev sales)

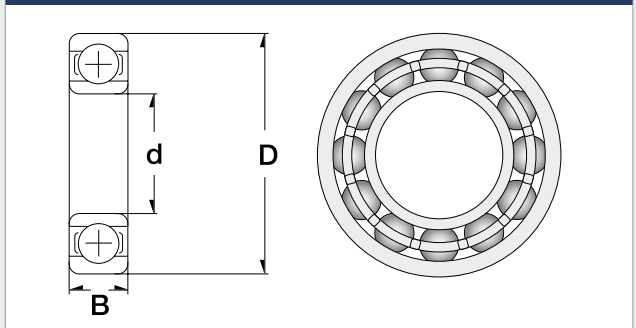
MANUFACTURED TO FDA STANDARDS

Part No.	Dimensions (mm)			Seals/Shields	Clearance
	d	D	B		
S6000-2RS	10	26	8	Seals	Normal
S6000-2Z	10	26	8	Shields	Normal
S6001-2RS	12	28	8	Seals	Normal
S6001-2Z	12	28	8	Shields	Normal
S6002-2RS	15	32	9	Seals	Normal
S6002-2Z	15	32	9	Shields	Normal
S6003-2RS	17	35	10	Seals	Normal
S6003-2Z	17	35	10	Shields	Normal
S6004-2RS	20	42	12	Seals	Normal
S6004-2Z	20	42	12	Shields	Normal
S6005-2RS	25	47	12	Seals	Normal
S6005-2Z	25	47	12	Shields	Normal
S6006-2RS	30	55	13	Seals	Normal
S6006-2Z	30	55	13	Shields	Normal
S6007-2RS	35	62	14	Seals	Normal
S6007-2Z	35	62	14	Shields	Normal
S6008-2RS	40	68	15	Seals	Normal
S6008-2Z	40	68	15	Shields	Normal
S6009-2RS	45	75	16	Seals	Normal
S6009-2Z	45	75	16	Shields	Normal
S6010-2RS	50	80	16	Seals	Normal
S6010-2Z	50	80	16	Shields	Normal
S6011-2RS	55	90	18	Seals	Normal
S6011-2Z	55	90	18	Shields	Normal
S6012-2RS	60	95	18	Seals	Normal
S6012-2Z	60	95	18	Shields	Normal
S6200-2RS	10	30	9	Seals	Normal
S6200-2Z	10	30	9	Shields	Normal
S6201-2RS	12	32	10	Seals	Normal
S6201-2Z	12	32	10	Shields	Normal
S6202-2RS	15	35	11	Seals	Normal
S6202-2Z	15	35	11	Shields	Normal
S6203-2RS	17	40	12	Seals	Normal
S6203-2Z	17	40	12	Shields	Normal
S6204-2RS	20	47	14	Seals	Normal
S6204-2Z	20	47	14	Shields	Normal

Part No.	Dimensions (mm)			Seals/Shields	Clearance
	d	D	B		
S6205-2RS	25	52	15	Seals	Normal
S6205-2Z	25	52	15	Shields	Normal
S6206-2RS	30	62	16	Seals	Normal
S6206-2Z	30	62	16	Shields	Normal
S6207-2RS	35	72	17	Seals	Normal
S6207-2Z	35	72	17	Shields	Normal
S6208-2RS	40	80	18	Seals	Normal
S6208-2Z	40	80	18	Shields	Normal
S6209-2RS	45	85	19	Seals	Normal
S6209-2Z	45	85	19	Shields	Normal
S6210-2RS	50	90	20	Seals	Normal
S6210-2Z	50	90	20	Shields	Normal
S6211-2RS	55	100	21	Seals	Normal
S6211-2Z	55	100	21	Shields	Normal
S6212-2RS	60	110	22	Seals	Normal
S6212-2Z	60	110	22	Shields	Normal
S6300-2RS	10	35	11	Seals	Normal
S6300-2Z	10	35	11	Shields	Normal
S6301-2RS	12	37	12	Seals	Normal
S6301-2Z	12	37	12	Shields	Normal
S6302-2RS	15	42	13	Seals	Normal
S6302-2Z	15	42	13	Shields	Normal
S6303-2RS	17	47	14	Seals	Normal
S6303-2Z	17	47	14	Shields	Normal
S6304-2RS	20	52	15	Seals	Normal
S6304-2Z	20	52	15	Shields	Normal
S6305-2RS	25	62	17	Seals	Normal
S6305-2Z	25	62	17	Shields	Normal
S6306-2RS	30	72	19	Seals	Normal
S6306-2Z	30	72	19	Shields	Normal
S6307-2RS	35	80	21	Seals	Normal
S6307-2Z	35	80	21	Shields	Normal
S6308-2RS	40	90	23	Seals	Normal
S6309-2RS	45	100	25	Seals	Normal
S6309-2Z	45	100	25	Shields	Normal

Standard Bearings

Steel Bearing



Standard

- Steel
- Standard versions
- Open, with seals or shields
- Fast deliveries

Part No.*	Dimensions (mm)			Seals/Shields	Clearance
	d	D	B		
6800	10	19	5	Yes	Normal
6900	10	22	6	Yes	Normal
6801	12	21	5	Yes	Normal
6901	12	24	6	Yes	Normal
6802	15	24	5	Yes	Normal
6902	15	28	7	Yes	Normal
16002	15	32	8	Yes	Normal
6803	17	26	5	Yes	Normal
6903	17	30	7	Yes	Normal
16003	17	35	8	Yes	Normal
6804	20	32	7	Yes	Normal
6904	20	37	9	Yes	Normal
16004	20	42	8	Yes	Normal
6805	25	37	7	Yes	Normal
6905	25	42	9	Yes	Normal
16005	25	47	8	Yes	Normal
6806	30	42	7	Yes	Normal
6906	30	47	9	Yes	Normal

Part No.*	Dimensions (mm)			Seals/Shields	Clearance
	d	D	B		
16006	30	55	9	Yes	Normal
6807	35	47	7	Yes	Normal
6907	35	55	10	Yes	Normal
16007	35	62	9	Yes	Normal
6808	40	52	7	Yes	Normal
6908	40	62	12	Yes	Normal
16008	40	68	9	Yes	Normal
6809	45	58	7	Yes	Normal
6909	45	68	12	Yes	Normal
16009	45	75	10	Yes	Normal
6810	50	65	7	Yes	Normal
6910	50	72	12	Yes	Normal
6911	55	80	13	Yes	Normal
16011	55	90	11	Yes	Normal
6812	60	78	10	Yes	Normal
6912	60	85	13	Yes	Normal
16012	60	95	11	Yes	Normal

* Part No. = Open (Shields = ...ZZ Seals = ...2RS)

Miniature Ball Bearings



- Standard Range: 600, 620, 630
  - With or without shield
  - With or without seal
  - Range with flange (FL-)
  - Metric or inch (R-)
- Range with rubber dampers (F-SX)
- Pivot bearing range (BCP-)
- Stainless steel bearing range (F-)

Part No.	Dimensions (mm)			Seals/Shields	Clearance
	Inside Ø	Outside Ø	Width		
623	3	10	4	Open	Normal
623-2RS	3	10	4	Seals	Normal
624	4	13	5	Open	Normal
624-ZZ	4	13	5	Shields	Normal
624-2RS	4	13	5	Seals	Normal
634	4	16	5	Open	Normal
634-ZZ	4	16	5	Shields	Normal
634-2RS	4	16	5	Seals	Normal
625	5	16	5	Open	Normal
625-ZZ	5	16	5	Shields	Normal
625-2RS	5	16	5	Seals	Normal
635	5	19	6	Open	Normal
635-ZZ	5	19	6	Seals	Normal
626	6	19	6	Open	Normal
626-ZZ	6	19	6	Shields	Normal
626-2RS	6	19	6	Seals	Normal
607	7	19	6	Open	Normal
607-ZZ	7	19	6	Shields	Normal
607-2RS	7	19	6	Seals	Normal
627	7	22	7	Open	Normal
627-ZZ	7	22	7	Shields	Normal
627-2RS	7	22	7	Seals	Normal
608	8	22	7	Open	Normal
608-ZZ	8	22	7	Shields	Normal
608-2RS	8	22	7	Seals	Normal
628	8	24	8	Open	Normal
628-ZZ	8	24	8	Shields	Normal
628-2RS	8	24	8	Seals	Normal
609	9	24	7	Open	Normal
609-ZZ	9	24	7	Shields	Normal
609-2RS	9	24	7	Seals	Normal
629-ZZ	9	26	8	Shields	Normal
629-2RS	9	26	8	Seals	Normal

Angular Contact Ball Bearings



Angular Contact Bearings

Standard Range
Depending on series and dimensions, angle of 30°

- **1 row:** 7800, 7900, 71900, 7000, 7200, 7300, 7400 Large bearings: bore < 1060 mm
- **2 rows:** 5200, 5300, 3200, 3300
- For series 3200 and 3300, angle 25° or 32°, depending on type

4-Point Angular Contact Bearings

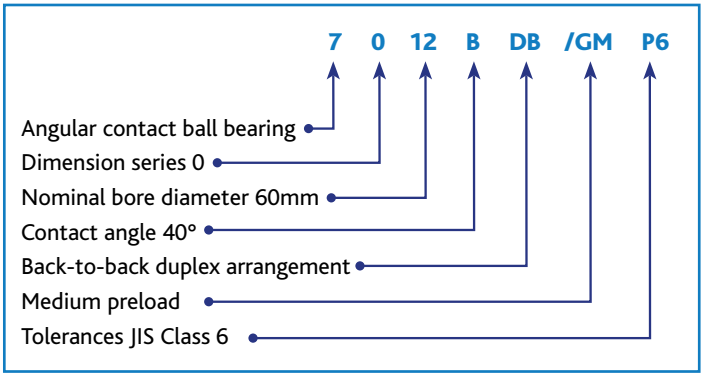
- Standard Range: Solid cage (-M by SNR, -L1 by NTN): QJ200, QJ300
- Sheet, solid or reinforced polyamide cage depending on the series and dimensions

Possible Cages

Cage materials	Suffixes
Phenolic resin	T1 -
Sheet	-J
Reinforced polyamide fibre glass	-G15 (SNR) -T2 (NTN)
Brass	-M (SNR) -L1 (NTN)
Solid Steel	-F1 (NTN)

Variants	Brands	Suffixes
Angle at 25°	NTN	-AD
Angle increased to 40°	NTN and SNR	-B
Universal fitting with no pre-load	NTN and SNR	-G
Non-contact metal protection flange	NTN and SNR	-ZZ
Contact seal	SNR	-EE
Non-contact seal (labyrinth effect)	NTN	-LLB

Bearing Number Example



Angular Contact Ball Bearings

NTN
Make the world NAMERAKA

1 Row

Part No.	Dimensions (mm)			Seals/ Shields	Clearance
	Inside Ø	Outside Ø	Width		
7200	10	30	9	Open	Normal
7001	12	28	8	Open	Normal
7201	12	32	10	Open	Normal
7301	12	37	12	Open	Normal
7002	15	32	9	Open	Normal
7202	15	35	11	Open	Normal
7302	15	42	13	Open	Normal
7003	17	35	10	Open	Normal
7203	17	40	12	Open	Normal
7303	17	47	14	Open	Normal
7004	20	42	12	Open	Normal
7204	20	47	14	Open	Normal
7304	20	52	15	Open	Normal
7005	25	47	12	Open	Normal
7205	25	52	15	Open	Normal
7305	25	62	17	Open	Normal
7006	30	55	13	Open	Normal
7206	30	62	16	Open	Normal
7306	30	72	19	Open	Normal
7007	35	62	14	Open	Normal
7207	35	72	17	Open	Normal
7307	35	80	21	Open	Normal
7008	40	68	15	Open	Normal
7208	40	80	18	Open	Normal
7308	40	90	23	Open	Normal
7009	45	75	16	Open	Normal
7209	45	85	19	Open	Normal
7309	45	100	25	Open	Normal
7010	50	80	16	Open	Normal
7210	50	90	20	Open	Normal
7310	50	110	27	Open	Normal
7011	55	90	18	Open	Normal
7211	55	100	21	Open	Normal
7311	55	120	29	Open	Normal
7012	60	95	18	Open	Normal
7212	60	110	22	Open	Normal
7312	60	130	31	Open	Normal

2 Rows

Part No.	Dimensions (mm)			Seals/ Shields	Clearance
	Inside Ø	Outside Ø	Width		
5200	10	30	14.3	Open	Normal
5200	10	30	14.3	Shields	Normal
5200	10	30	14.3	Seals	Normal
5201	12	32	15.9	Open	Normal
5201	12	32	15.9	Shields	Normal
5201	12	32	15.9	Seals	Normal
5202	15	35	15.9	Open	Normal
5202	15	35	15.9	Shields	Normal
5202	15	35	15.9	Seals	Normal
5302	15	42	19	Open	Normal
5302	15	42	19	Shields	Normal
5302	15	42	19	Seals	Normal
5203	17	40	17.5	Open	Normal
5203	17	40	17.5	Shields	Normal

2 Rows

Part No.	Dimensions (mm)			Seals/ Shields	Clearance
	Inside Ø	Outside Ø	Width		
5203	17	40	17.5	Seals	Normal
5303	17	47	22.2	Open	Normal
5303	17	47	22.2	Shields	Normal
5303	17	47	22.2	Seals	Normal
5204	20	47	20.6	Open	Normal
5204	20	47	20.6	Shields	Normal
5204	20	47	20.6	Seals	Normal
5304	20	52	22.2	Open	Normal
5304	20	52	22.2	Shields	Normal
5304	20	52	22.2	Seals	Normal
5205	25	52	20.6	Open	Normal
5205	25	52	20.6	Shields	Normal
5205	25	52	20.6	Seals	Normal
5305	25	62	25.4	Open	Normal
5305	25	62	25.4	Shields	Normal
5305	25	62	25.4	Seals	Normal
5206	30	62	23.8	Open	Normal
5206	30	62	23.8	Shields	Normal
5206	30	62	23.8	Seals	Normal
5306	30	72	30.2	Open	Normal
5306	30	72	30.2	Shields	Normal
5306	30	72	30.2	Seals	Normal
5207	35	72	27	Open	Normal
5207	35	72	27	Shields	Normal
5207	35	72	27	Seals	Normal
5307	35	80	34.9	Open	Normal
5307	35	80	34.9	Shields	Normal
5307	35	80	34.9	Seals	Normal
5208	40	80	30.2	Open	Normal
5208	40	80	30.2	Shields	Normal
5208	40	80	30.2	Seals	Normal
5308	40	90	36.5	Open	Normal
5308	40	90	36.5	Shields	Normal
5308	40	90	36.5	Seals	Normal
5209	45	85	30.2	Open	Normal
5209	45	85	30.2	Shields	Normal
5209	45	85	30.2	Seals	Normal
5309	45	100	39.7	Open	Normal
5309	45	100	39.7	Shields	Normal
5309	45	100	39.7	Seals	Normal
5210	50	90	30.2	Open	Normal
5210	50	90	30.2	Shields	Normal
5210	50	90	30.2	Seals	Normal
5310	50	110	44.4	Open	Normal
5310	50	110	44.4	Shields	Normal
5310	50	110	44.4	Seals	Normal
5211	55	100	33.3	Open	Normal
5211	55	100	33.3	Shields	Normal
5211	55	100	33.3	Seals	Normal
5311	55	120	49.2	Open	Normal
5311	55	120	49.2	Shields	Normal
5212	60	110	36.5	Open	Normal
5212	60	110	36.5	Shields	Normal
5212	60	110	36.5	Seals	Normal
5312	60	130	54	Open	Normal
5312	60	130	54	Shields	Normal

Double Row Self Aligning Ball Bearings



Standard Range

- Sheet or reinforced polyamide fibre glass cages (-G15 by SNR, – T2 by NTN)
- Series 1200, 2200, 1300, 2300

Possible Variants

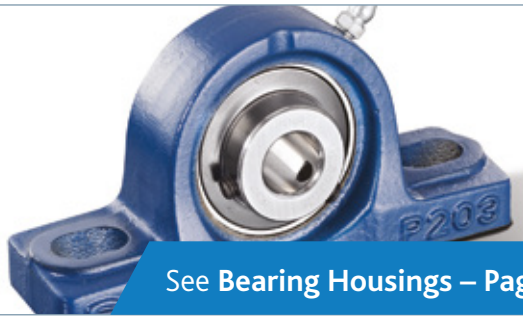
- Contact seal (-EE, SNR)
- Tapered bore (-K)
- Large inner rings for series 11200 and 11300

Series 1200

Part No.	Dimensions (mm)			Seals/ Shields	Clearance
	Inside Ø	Outside Ø	Width		
1200	10	30	9	Open	Normal
1201	12	32	10	Open	Normal
1202	15	35	11	Open	Normal
1203	17	40	12	Open	Normal
1204	20	47	14	Open	Normal
1205	25	52	15	Open	Normal
1206	30	62	16	Open	Normal
1207	35	72	17	Open	Normal
1208	40	80	18	Open	Normal
1209	45	85	19	Open	Normal
1210	50	90	20	Open	Normal
1211	55	100	21	Open	Normal
1212	60	110	22	Open	Normal

Series 2200

Part No.	Dimensions (mm)			Seals/ Shields	Clearance
	Inside Ø	Outside Ø	Width		
2200	10	30	14	Open	Normal
2201-2RS	12	32	14	Seals	Normal
2202-2RS	15	35	14	Seals	Normal
2203-2RS	17	40	16	Seals	Normal
2204-2RS	20	47	18	Seals	Normal
2205-2RS	25	52	18	Seals	Normal
2206-2RS	30	62	20	Seals	Normal
2207-2RS	35	72	23	Seals	Normal
2208-2RS	40	80	23	Seals	Normal
2209-2RS	45	85	23	Seals	Normal
2210-2RS	50	90	23	Seals	Normal
2211-2RS	55	100	25	Seals	Normal
2212-2RS	60	110	28	Seals	Normal



See **Bearing Housings – Page 857**

Thrust Bearings



Thrust bearings are designed to maintain the shaft in one single direction. They allow low rotating speeds and sustain high axial loads. You are strongly advised against submitting them to radial loading

Thrust Ball Bearing (For axial load only)

Series: 51000 (No shields or seals)

Part No.	Dimensions (mm)			Clearance
	Inside Ø	Outside Ø	Width	
51100	10	24	9	Normal
51200	10	26	11	Normal
51101	12	26	9	Normal
51201	12	28	11	Normal
51102	15	28	9	Normal
51202	15	32	12	Normal
51103	17	30	9	Normal
51203	17	35	12	Normal
51104	20	35	10	Normal
51204	20	40	14	Normal
51105	25	42	11	Normal
51205	25	47	15	Normal
51106	30	47	11	Normal
51206	30	52	16	Normal
51107	35	52	12	Normal
51207	35	62	18	Normal
51108	40	60	13	Normal
51208	40	68	19	Normal
51109	45	65	14	Normal
51209	45	73	20	Normal
51110	50	70	14	Normal
51210	50	78	22	Normal
51111	55	78	16	Normal
51211	55	90	25	Normal
51112	60	85	17	Normal
51212	60	95	26	Normal

Spherical Roller Thrust Bearing

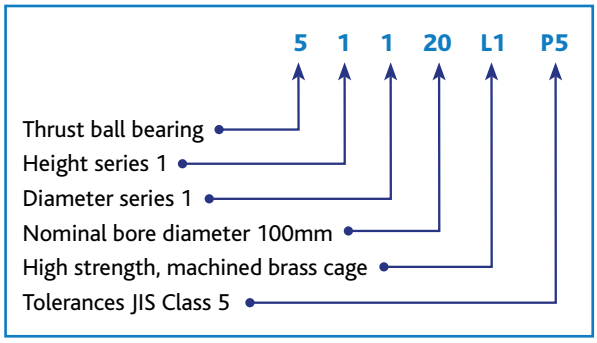
Composed of 2 separable elements and able to absorb very high axial loads and high radial loads (approx. 50% of the axial load).

- Can absorb misalignment of approximately 3°
- Series: 29000 – Steel sheet cage: version E optimised, interchangeable
- Lubrication – Oil lubrication required by design

Tapered Roller Thrust Bearing

For further information, please refer to your TransDev sales contact.

Bearing Number Example



High Precision Ball Bearings - ULTAGE

ULTAGE NTN Make the world NAMERAKA



High Precision Ball Bearings Features

- Higher machine efficiency
  Thanks to reduced friction, the optimised internal design offers higher speeds.
  As a result, the performance is extended and the operating temperatures are kept lower.
- Lower maintenance cost
  Thanks to their dynamic load capacities, among the highest on the market and the optimisation of all constituent parts of the bearing, you benefit from a doubled service life compared to a standard solution, an improved reliability for your installations and reduced operational costs.
- Reduced environmental impact
  With a solution in compliance with the new environmental challenges, you benefit from less noise, less friction, reduced power and lubricant consumption.

Angular Contact Ball Bearings

Standard range: 70U, 72, 78, 79U



- Optimised internal design
- Fiber glass reinforced polyamide cage guaranteed improvements in rigidity, reliability and improved ball guidance and substantial reduction in noise
- Contact angles: 15° (C), 25° (AD), and 30° (-)
- Hybrid version with ceramic balls as option (prefix 5S)

High speed series: HSE

- Special 2LA- steel
- Optimized internal design and surface condition.
- Phenolic resin cage
- Improved bearing performance, improved resistance, lower operating temperatures at maximum speeds
- Contact angles: 15° (C), 25° (AD), and 30° (-)
- Hybrid version with ceramic balls as option (prefix 5S)



Ultra high speed series : HSF

- Special 2LA- steel
- Smaller ceramic balls (prefix -5S)
- Reduced temperature at higher speeds and improved service life
- Contact angle: 25° (AD)

Sealed Series

	Standard LLB	High speed, BNS LLB
Series	70 and 79	BNS0 and BNS9
Contact angle	CD for 15°, AD for 25°	C for 15°, - for 30°, AD for 25°



Ball Screw Support Bearings

BST: Single row, open or sealed types

- Surface optimised treatment on the bearing race way for a longer bearing life and improved fretting resistance
- Sealed types with a special grease, to reach a longer life and simplify maintenance work

BSTU: Single or double row, sealed



- Highest load rating
- Low friction contact-type seal
- Special long-life grease
- Easy mounting

Others

- Needle bearings AXN, ARN

Other Bearings

Thrust ball bearing:

- Single row HTA
- Double row 5629XX, 5620XX

High Precision Ball Bearings - MACHLINE



MACHLINE® by SNR – High precision bearings for machine-tool spindles

MACHLINE High Precision Ball Bearings are mainly selected for constructions requiring reduced radial dimensions, maximum rigidity and load capacity. They have little resistance for axial forces (except Thrust and Combined bearings). SNR High Precision bearings meet the most stringent needs.

They also permit machining time savings as well as maintenance cost savings. Their good load capacity and low heating feature contribute to a longer service life.

MACHLINE: Standard

71900V and 7000V series:
An ideal compromise between performance in terms of speed, rigidity, capacity and precision

7200G1 series:

- Specially designed for applications with predominantly high axial loads
- Variants depending on contact angle: C for 15°, H for 25°
- Variants depending on preload: light, medium, high
- Hybrid versions available as option (ceramic ball)



MACHLINE ML: High Speed

Designed and developed to meet the toughest requirements for high-speed applications; 30% extra speed thanks to:

- An optimised geometry
- A reduced ball diameter
- An increased number of balls
- Optimised guidance of the cage on the outer ring
- Hybrid versions available as option (ceramic ball)



MACHLINE MLE: Sealed

Nitrile seals fixed on the outer ring, with no contact with the inner ring. Can be used to maintain the same maximum speed as with an open bearing. Lubricated with grease.

- Hybrid versions available as option (ceramic ball)



Self-locking Precision Nuts

Indispensable for all assemblies of precision bearings, especially when the preload and long-term reliability of an assembly must be guaranteed, or if high axial forces exist.



Thin-Section Bearings



Type of contact	Prefix / Suffix
Radial	KR
Angular	KY
4 points	KX

NTN-BCA Ball Bearings



Whether in metric or inch dimensions, standard or customised, NTN-BCA® manufactures multiple products, even in small quantities.

- Metric or inch radial ball bearings
- Angular contact bearings
- Mounted bearing units / bearings
- Special agricultural bearings for plough discs
- Mast rollers / chain guide bearing units
- Flat and/or non-circular bearings
- Clutch products
- Wheel bearings
- Pulling or transfer pulleys

NTN®
Make the world NAMERAKA

Roller Bearings



TAPERED ROLLER BEARINGS

SPHERICAL ROLLER BEARINGS

CYLINDRICAL ROLLER BEARINGS

HIGH PRECISION BEARINGS

Cylindrical Roller Bearings



These bearings are highly rigid and can absorb high radial forces. Cage versions accept higher speeds than full complement versions. Equipped with separable rings, dismounting and withdrawal are simple, even when tight clearances are necessary

1 Row with Cage

Standard Range

- ISO standard: NU, N, NJ, NF, NUP, NH, RNU, HJ
- Series of bearings: 200, 300, 400, 1800, 1900, 1000, 2900, 2200, 2300, 3800, 3100, 3200, 3300
- US types (BOWER): M, W

Possible Variants

- Tapered bore (K)
- Grooves with (NR) or without a snap ring (N) on the outer diameter to simplify assembly
- Fully case hardened bearings for types M and W (BOWER)
- Shoulder rings (HJ-)

Specific Applications

MEGAOHM range: bearings with electrical insulation, mainly for applications with electrical motors and generators

2 Rows with Cage

Standard Range: NN and NNU with solid cage

- Series: 3900, 3000, 3100, 4800, 4900, 4000
- Type NN and NNU bearings: also available with a tapered bore
- Types of applications: machine tools or heavy industry

2 Rows Full Complement (Type Sl)

Range suitable for high radial loads and/or to meet the need for excellent rigidity

- Types SL01, SL02 and SL04 can absorb axial forces in both directions, in addition to substantial radial forces

Possible Variants

- Grooves for snap rings in the outer ring (series SL04) for pulley applications, for example Double sealing (LL)

4 Rows with Cage (Type 4R)

Bearings with solid cage, also available in large dimensions (d. ≤ 1200 mm)

Possible Variants

- Case hardened or carbo-nitrided steel for improved resistance
- Lubrication holes

Crossed Roller Bearings (Type Qr)

Suitable for high rotation precision combined with high forces

- Types of applications: robotics, indexing tables

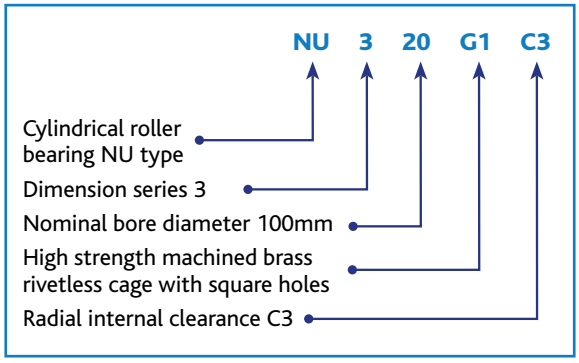
Cylindrical Roller Bearings



Suffixes

Description	NTN	SNR
Increased capacity design	E	E
Fibre glass reinforced polyamide +120°C (continuous)	T2	G15
Fibre glass reinforced polyamide +150°C (continuous)	T2X	-
Massive brass cage roller centered	-	M
Massive brass cage inner or outer ring guided	G1	-
Massive brass cage in two parts, inner or outer ring guided	L1	-
Massive steel cage in two parts, inner or outer ring guided	F1	-
Pressed steel cage	J	-
NUP types : washer bore diameter not grinded	U	-

Bearing Number Example



N/NJ/NU Types

Part No.	Dimensions (mm)			Clearance
	Inside Ø	Outside Ø	Width	
N204	20	47	14	Normal
N205	25	52	15	Normal
N206	30	62	16	Normal
N207	35	72	17	Normal
N208	40	80	18	Normal
N209	45	85	19	Normal
N210	50	90	20	Normal
N211	55	100	21	Normal
N212	60	110	22	Normal
NJ204	20	47	14	Normal
NJ205	25	52	15	Normal
NJ206	30	62	16	Normal
NJ207	35	72	17	Normal
NJ208	40	80	18	Normal
NJ209	45	85	19	Normal
NJ210	50	90	20	Normal
NJ211	55	100	21	Normal
NJ212	60	110	22	Normal
NU204	20	27	14	Normal
NU205	25	52	15	Normal
NU206	30	62	16	Normal
NU207	35	72	17	Normal
NU208	40	80	18	Normal
NU209	45	85	19	Normal
NU210	50	90	20	Normal
NU211	55	100	21	Normal
NU212	60	110	22	Normal

ISO standard: N/NJ/NU Types

Spherical Roller Bearings



This unit compensates for shaft bending and absorbs misalignment defects. These accept high radial loads and axial loads in both directions. Available with tapered or cylindrical bores. Tapered bores are delivered with adapter or withdrawal sleeves.

NTN High Performance Range

Series: 21300 / 22200 – 22300 / 23000 – 23100 – 23200 – 23800 – 23900 / 24000 – 24100 – 24800 – 24900

- High performance standard. Optimal quality steel, geometry and optimised surface conditions Maximum dynamic load capacity. Service life of the bearings (X2)
- Increased speed limits
- Reduced energy consumption
- Reduced dimensions for identical performance
- Allow to extend intervals between maintenance actions, reduced environnemental impact

+24%
for load capacity.

x 2
minimum for service life.

NTN Range

- Large dimensions range D>650 mm: suffix B (NTN)
- Type B. Asymmetric rollers. Reduced vibrations and low operating temperatures

Lubrication

To improve lubrication, bearing is supplied with a groove and lubrication holes in the outer ring. Series 21300: without holes or grooves in standard. With holes or grooves on request.

Vibrating Applications

- Designations: EF800 (SNR) ULTAGE
- Solid brass cage, reduced diameter tolerances and special clearance
- Designed to absorb higher accelerations than standard bearings
- Anti-fretting corrosion treatment on the inner ring (MX- prefix option)

Special Bearings

- Bearings with case hardened inner ring (NTN range); for printing or paper machines
- Bearings for high temperature operation (>200°C)
- Railway, steel, mining and quarry applications
- Split bearing
- Bearings with solid lubrication (maintenance-free)

Bearing Number Example

2 3 0 34 B D1

- Spherical roller bearing
- Width series 3
- Dimension series 0
- Nominal bore diameter 170mm
- Type B
- Lubrication hole/lubrication groove *(when outer diameter is less than 320mm)*

2 4 0 /750 B K30

- Spherical roller bearing
- Width series 4
- Dimension series 0
- Bore diameter 750mm
- Type B
- Bore diameter: tapered inner ring bore, standard taper ratio 1:30

Spherical Roller Bearings

NTN
Make the world NAMERAKA

- Open
- Normal clearance
- Parallel bore
- Tapered bore



Part No.	Dimensions (mm)			Seals	Clearance	Bore	Adapter Sleeve Ref.
	Inside Ø	Outside Ø	Width				
22205EAKW33	25	52	18	Open	Normal	Tapered bore	H305
22205EAW33	25	52	18	Open	Normal	Parallel bore	
22206EAKW33	30	62	20	Open	Normal	Tapered bore	H306
22206EAW33	30	62	20	Open	Normal	Parallel bore	
22207EAKW33	35	72	23	Open	Normal	Tapered bore	H307
22207EAW33	35	72	23	Open	Normal	Parallel bore	
22208EAKW33	40	80	23	Open	Normal	Tapered bore	H308
22208EAW33	40	80	23	Open	Normal	Parallel bore	
22209EAKW33	45	85	23	Open	Normal	Tapered bore	H309
22209EAW33	45	85	23	Open	Normal	Parallel bore	
22210EAKW33	50	90	23	Open	Normal	Tapered bore	H310
22210EAW33	50	90	23	Open	Normal	Parallel bore	
22211EAKW33	55	100	25	Open	Normal	Tapered bore	H311
22211EAW33	55	100	25	Open	Normal	Parallel bore	
22212EAKW33	60	110	28	Open	Normal	Tapered bore	H312
22212EAW33	60	110	28	Open	Normal	Parallel bore	
22218EAKW33	90	160	40	Open	Normal	Tapered bore	H318
22218EAW33	90	160	40	Open	Normal	Parallel bore	
22220EAKW33	100	180	46	Open	Normal	Tapered bore	H320
22220EAW33	100	180	46	Open	Normal	Parallel bore	
22222EAW33	110	200	53	Open	Normal	Parallel bore	
22222EAKW33	110	200	53	Open	Normal	Tapered bore	H322

Suffixes

Description	Suffixes
Category 2 ISO radial clearance	C2
Category 3 ISO radial clearance	C3
Category 4 ISO radial clearance	C4
Category 5 ISO radial clearance	C5
Tapered bore 1/12	K
Tapered bore 1/30	K30
Groove and relubrication holes on the outer ring	W33

Cage Variants

Cage Materials	Description	Temperature
Steel sheet EA by SNR, - by NTN	Standard applications	Up to +200°C
Solid steel (F1) and brass L1 by NTN, M by SNR	Severe applications	Up to +200°C
Fibre glass reinforced polyamide T2X by NTN, G15 by SNR	Standard applications	Up to +150°C

Tapered Roller Bearings



These accept high radial loads and axial loads in one direction. They are generally fitted opposite a bearing of the same type. Load capacity depends on contact angle.

NTN Bower Range

Sheet, solid or reinforced polyamide cage depending on the series and dimensions.

Steel

- Through hardened bearing steel
- Vacuum degassed case hardened steel (4T, ET) and special heat treatment for a longer service life (ETA / ECO)

Cage

- Generally equipped with a steel sheet cage
- Solid or steel pin-type cages for large bearings
- Fibre glass reinforced polyamide cage possible depending on the application for smaller bearings

Small Torque Specification

- Bearing identified with the suffix -ST:
- Reduced drag torque
- Reduced heating
- Improved seizure resistance
- Simplified adjustments at assembly

Eco-Top Range: For Challenging Applications

- Life time: +180% compared to through hardened steel
- Optimised design, enhanced service life, more compact bearing and reduced energy consumption

1 Row

- Metric dimensions: ISO 355 and JIS B 1512 standards
- Available with contact angles, spread from 10° to 31°,including 2 series of large contact angle (T7FC and 303xx D)
- Inch dimensions:ABMA standard (including J metric series)
- Can be equipped with flanges



2 Rows

- Appears in the same form as two single-row bearings
- Fitted face-to-face or back-to-back, with metric or inch dimensions
- One-piece outer or inner rings
- Single-row assemblies with spacers also exist

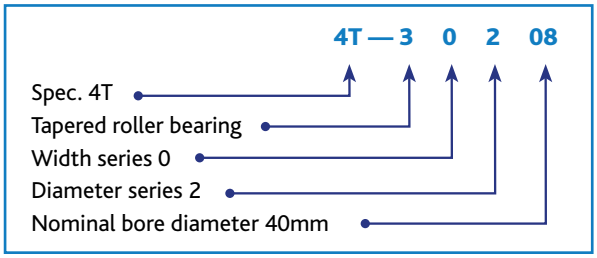


4 Rows

- Composed of two double cones, two single flanges and one double flange
- Extended service life, thanks to the use of case hardened steel, hollow rollers and pin-type cages
- Very high load capacities, adapted to rolling type applications
- – Available in sealed version (-LL) and ULTAGE range



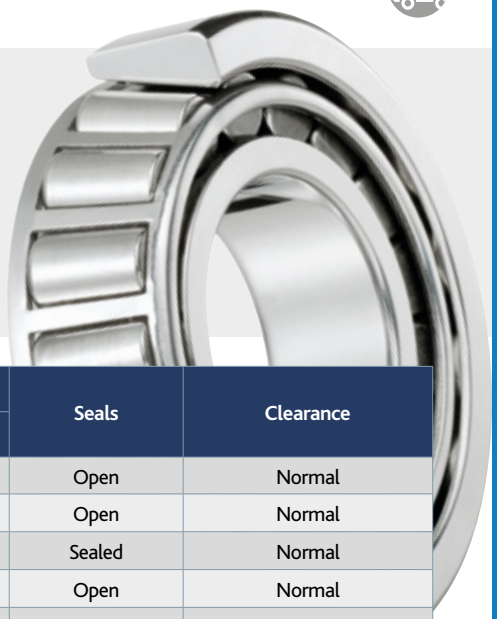
Bearing Number Example



4T Spec Tapered Roller Bearings

NTN
Make the world NAMERAKA

- 4T Spec
- Vacuum degassed
- Hardened Steel
- Open and Sealed



Part No.	Dimensions (mm)			Seals	Clearance
	Inside Ø	Outside Ø	Width		
LM11749/710	17.46	39.88	13.84	Open	Normal
LM11949/910	19.05	45.24	15.49	Open	Normal
LM11949L/910	19.05	45.24	15.49	Sealed	Normal
LM48548/510	34.92	65.09	18.03	Open	Normal
LM48548L/510	34.92	65.09	18.03	Sealed	Normal
LM67048/010	31.75	59.13	15.88	Open	Normal
LM67048L/010	31.75	59.13	15.88	Sealed	Normal
30204	20	47	15.25	Open	Normal
30205	25	52	16.25	Open	Normal
30206	30	62	17.25	Open	Normal
30207	35	72	18.25	Open	Normal
30208	40	80	19.75	Open	Normal
30209	45	85	20.75	Open	Normal
30210	50	90	21.75	Open	Normal
30211	55	100	22.75	Open	Normal
30212U	60	110	23.75	Open	Normal
32204	20	47	19.25	Open	Normal
32205	25	52	19.25	Open	Normal
32206	30	62	21.25	Open	Normal
32207	35	72	24.25	Open	Normal
32208	40	80	24.75	Open	Normal
32209	45	85	24.75	Open	Normal
32210U	50	90	24.75	Open	Normal
32211U	55	100	26.75	Open	Normal
32212U	60	110	29.75	Open	Normal

High Precision Roller Bearings - ULTAGE

ULTAGE NTN Make the world NAMERAKA



High Precision Roller Bearings Features

- Higher machine efficiency
  Thanks to reduced friction, the optimised internal design offers higher speeds.
  As a result, the performance is extended and the operating temperatures are kept lower.
- Lower maintenance cost
  Thanks to their dynamic load capacities, among the highest on the market and the optimisation of all constituent parts of the bearing, you benefit from a doubled service life compared to a standard solution, an improved reliability for your installations and reduced operational costs.
- Reduced environmental impact
  With a solution in compliance with the new environmental challenges, you benefit from less noise, less friction, reduced power and lubricant consumption.

Cylindrical Roller Bearings

Double row: Standard NN (U)49 (K), NN30 (K), High speed NN30 HS (K)

- Machined brass cage

Single row: N series, High speed HS and Ultra high speed HSR

- High strength machined brass cage for HS types
- Special molded resin cage for HSR types
- Optimised internal designs allow higher speed limits and result in lower temperature rise



Ball Screw Support Bearings

BST: Single row, open or sealed types

- Surface optimised treatment on the bearing race way for a longer bearing life and improved fretting resistance
- Sealed types with a special grease, to reach a longer life and simplify maintenance work

BSTU: Single or double row, sealed

- Highest load rating
- Low friction contact-type seal
- Special long-life grease
- Easy mounting

Others

- Needle bearings AXN, ARN



KIZEI® ISO Spherical Roller Bearings with Shields

KIZEI

The KIZEI® bearing range from NTN is the first spherical roller bearings with metallic shields. This innovative solution created is easy to use and offers production output and equipment reliability optimisation, while reducing maintenance costs.

KIZEI® is the viable alternative for dirty environments



- Protection against external solid contamination
- Improved lubrication
- Longer bearing life time compared to standard open bearing
- Nitrided steel cage and shields for better shock resistance
- Working temperature range -40°C up to +200°C
- Initial lubrication process similar to open spherical roller bearing
- Similar misalignment to open spherical roller bearing
- Mounting elements and procedures are identical to that of a standard bearing

NTN®
Make the world NAMERAKA

Needle Roller Bearings



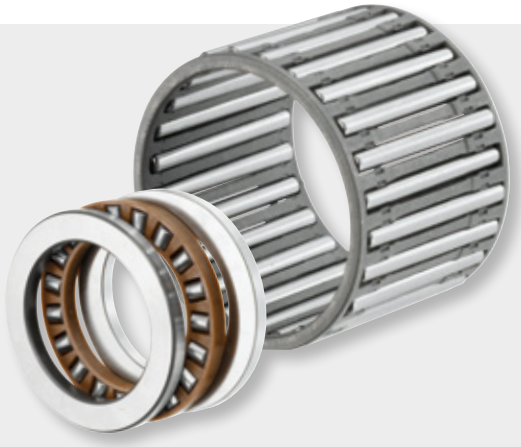
ROLLER THRUST

DRAWN CUP ROLLER BEARINGS

WITH SOLID RINGS

COMBINED

Needle Roller Bearings



Needle Roller Bearings are mainly selected for constructions requiring reduced radial dimensions and maximum rigidity and load capacity. They have little resistance for axial forces (except Thrust and Combined bearings).

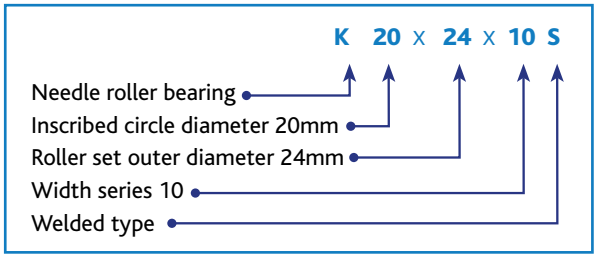
Roller and Cage Assemblies

A needle cage comprises an inseparable cage and needles and can be used to design very compact, light, constructions with maximum capacity. The shaft and housing act as a raceway and must be machined in compliance with hardness, geometry and roughness characteristics. The needles are guided precisely, therefore the needle cage can absorb much higher speeds of rotation than contact needles.

Cage Variants

Types	Characteristics	Suffixes
K	Fibre glass reinforced polyamide	-T2
K or KJ	Welded pressed steel cage	-S
GK / GPK	In two parts	
K	Two rows	-ZW
KBK	For piston pins application	
KV	For piston pins application	-S
PK / GPK	For crank pins application	
KMJ	For crank pins application	-S

Bearing Number Example



Roller Thrust Bearings

Needle or roller thrust bearings are designed to absorb axial forces in one direction only. Support surfaces used as raceways must be ground and hardened.

Needle thrust bearings: type AXK11
Roller thrust bearings: series 811, 812, 874 and 893

- Available with Polyamide cage (-T2), Aluminium alloy cage (-: lightness and enhanced performance when lack of lubricant) or pressed steel cage

Washers:

- Type AS11 washers are thin (1 mm), therefore their support surfaces must be flat and rigid enough
- Types WS (centered on the shaft) and GS (centered on the housing) are more rigid

Needle Roller Bearings



Drawn Cup Roller Bearings

Compact and light, mainly used in applications with low loads, needle sockets represent a low-cost bearing solution; the outer ring is not machined, but is obtained using precision pressing processes. It must be noted that the geometry of the raceway depends on the geometry of the housing (the low thickness of the outer ring only provides the hardness and roughness necessary for the raceway).

- Standard (HK) and heavy (HMK) series, available with or without sealing, with open or closed ends (BK, BMK)
- Some dimensions are delivered with 2 rows of needles (-ZW)
- Inches versions with cage (DCL, SCE) and contact needle versions (HCK)
- NTN drawn cup needle roller bearing offer:
  - simplified adapting thanks to an ideal geometry
  - an improved service life: specific treatment of the cage and needles

With Solid Rings

Needle roller bearings with solid rings are mainly used in applications with high loads.

Inseparable versions: with or without an inner ring

- Series 48, 49, 59 and 69. (Series 49 is also available with simple or double sealing)
- NK series: also deliverable with the inner ring (NK+IR designation). If the bearing is used without an inner ring, the shaft will act as a raceway and must be machined appropriately

Separable versions: RNAO and NAO

- With these versions, the inner and outer rings and the cage can be separated, opening up more assembly options.
- The inner rings are delivered separately
- Versions with plunge grinding for seal support surfaces are also available
- These solid rings and needle bearings are also available in inch dimensions. (MR,MI)



See **Bearing Housings – Page 857**

Drawn Cup Needle Roller Bearings



- Drawn Cup Type
- Open
- Single side seal
- Double side seal
- Double row type
- Normal clearance

Part No.	Dimensions (mm)			Seals	Clearance
	Inside Ø	Outside Ø	Width		
HK1012	10	14	12	Open	Normal
HK1015	10	14	15	Open	Normal
HK1210	12	16	10	Open	Normal
HK1212	12	18	12	Open	Normal
HK1214L	12	18	14	Single Side Seal	Normal
HK1216LL	12	18	16	Double Side Seal	Normal
HK1414L	14	20	14	Single Side Seal	Normal
HK1416LL	14	20	16	Double Side Seal	Normal
HK1512	15	21	12	Open	Normal
HK1516	15	21	16	Open	Normal
HK1516LL	15	21	16	Double Side Seal	Normal
HK1612	16	22	12	Open	Normal
HK1616	16	22	16	Open	Normal
HK1712	17	23	12	Open	Normal
HK2012C	20	26	12	Open	Normal
HK2016	20	26	16	Open	Normal
HK2020C	20	26	20	Open	Normal
HK2020LL	20	26	20	Double Side Seal	Normal
HK2030ZWD	20	26	30	Double Row Type	Normal
HK2212	22	28	12	Open	Normal
HK2216C	22	28	16	Open	Normal
HK2220C	22	28	20	Open	Normal
HK2512	25	32	12	Open	Normal
HK2516	25	32	16	Open	Normal
HK2520	25	32	20	Open	Normal
HK2526	25	32	26	Open	Normal
HK3012	30	37	12	Open	Normal
HK3020	30	37	20	Open	Normal
HK3520	30	37	20	Open	Normal

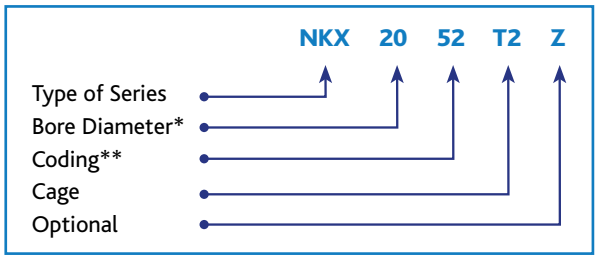
Combined Bearings



Combined Bearings consist of a radial needle roller bearing to withstand a radial load and a thrust ball bearing or needle bearing to withstand an axial load, combined to form a bearing unit.

Advantage: Two-in-one bearing: compactness and high radial and axial load capacities.

Bearing Number Example



* For NK1A see table below. For other series: Bore diameter in mm
** For NK1A see table below. Otherwise: Outer diameter in mm

Cage Codes
Empty: Steel **T2:** Polyamide **S:** Steel, welded **L1:** Brass **L3:** Aluminium
C: Welded **F1:** Steel, machined **J, J:** Pressed steel

Optional Codes
Z: NKX or NKXR with dust protection **R:** Outer ring with ribs
A: Improved internal design

When the application requires resistance to forces combined with substantial rigidity or minimum room, the use of combined bearings offer some benefits. Depending on the type of bearings, axial forces may be absorbed in one or two directions.

- Uni-directional axial forces. The thrust part may comprise, either:
  - a radial contact (NKX) or angular contact (NK1A) ball bearing
  - rollers for high axial loads (NKXR)
  - If the unit must be inseparable, a flange (-Z) is proposed
- Two-way axial forces. Depending on the intensity of the forces, the thrust part will consist of needles (AXN) or rollers (ARN)

Bore Diameter for NK1A Only

Code	00	01	02	03	04 x 5 = 20	05 x 5 = 25	06 x 5 = 30	99 x 5= 495	/500	/xxx
Ø bore dia.	10	12	15	17	20	25	30	495	500	500 < xxx



See **Pulleys – Page 327**

DRIVEFLEX

Rod End Bearings

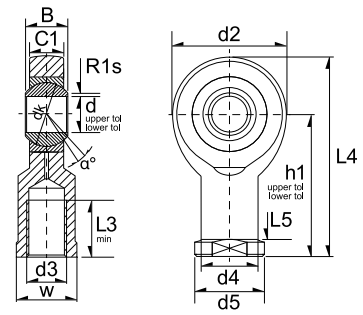


- MAINTENANCE-FREE
- FEMALE THREAD
- MALE THREAD
- RIGHT HAND
- LEFT HAND

Female Rod End Bearings

DRIVEFLEX

Rod End



Female Thread

- Maintenance-free
- Female thread
- Male thread also available
- Left hand and right hand



Left Hand

Part No.	Dimensions (mm)																Load Rating		Weight (g)
	d	d2	L4	B	C1	D	d1	d3	d4	d5	dk	h1	L3	L5	L7	W	C, dyn.N	C, stat.N	
GIKL5-PW	5	18	36	8	6	13	7.7	M5	8.5	11	11.112	27	10	4	10	9	5400	8262	16
GIKL6-PW	6	20	40	9	6.75	16	9	M6	10.0	13	12.7	30	12	5	11	11	6975	7191	28
GIKL8-PW	8	24	48	12	9	19	10.4	M8	12.5	16	15.875	36	16	5	13	14	11610	11790	50
GIKL10-PW	10	28	57	14	10.5	22	12.9	M10	15.0	19	19.05	43	20	6.5	15	17	16290	16650	80
GIKL12-PW	12	32	66	16	12	26	15.4	M12	17.5	22	22.225	50	22	6.5	17	19	21600	18720	120
GIKL14-PW	14	36	75	19	13.5	28	16.9	M14	21.0	26	25.4	57	25	8	18	22	27900	28800	180
GIKL16-PW	16	42	85	21	15	32	19.4	M16	22.0	28	28.575	64	28	8	23	22	34740	40770	240
GIKL18-PW	18	46	94	23	16.5	35	21.8	M18x1.5	25.0	31	31.75	71	32	10	25	27	42570	42300	320
GIKL20-PW	20	50	102	25	18	40	24.4	M20x1.5	27.5	35	34.925	77	33	10	26	30	50940	41040	430
GIKL22-PW	22	54	111	28	20	42	25.8	M22x1.5	30.0	38	38.1	84	37	12	29	32	61740	54990	540
GIKL25-PW	25	60	124	31	22	47	29.6	M24x2	33.5	42	42.85	94	42	12	32	36	76320	65610	730
GIKL30-PW	30	70	145	37	25	55	34.8	M30x2	40.0	50	50.8	110	51	15	37	41	102600	86310	1170

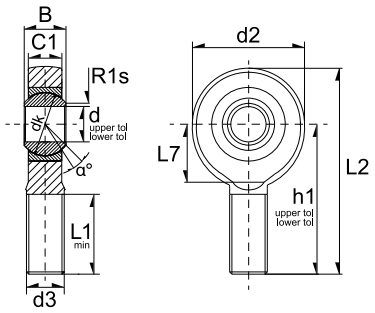
Right Hand

Part No.	Dimensions (mm)																Load Rating		Weight (g)
	d	d2	L4	B	C1	D	d1	d3	d4	d5	dk	h1	L3	L5	L7	W	C, dyn.N	C, stat.N	
GIKR5-PW	5	18	36	8	6	13	7.7	M5	8.5	11	11.112	27	10	4	10	9	5400	8262	16
GIKR6-PW	6	20	40	9	6.75	16	9	M6	10.0	13	12.7	30	12	5	11	11	6975	7191	28
GIKR8-PW	8	24	48	12	9	19	10.4	M8	12.5	16	15.875	36	16	5	13	14	11610	11790	50
GIKR10-PW	10	28	57	14	10.5	22	12.9	M10	15.0	19	19.05	43	20	6.5	15	17	16290	16650	80
GIKR12-PW	12	32	66	16	12	26	15.4	M12	17.5	22	22.225	50	22	6.5	17	19	21600	18720	120
GIKR14-PW	14	36	75	19	13.5	28	16.9	M14	21.0	26	25.4	57	25	8	18	22	27900	28800	180
GIKR16-PW	16	42	85	21	15	32	19.4	M16	22.0	28	28.575	64	28	8	23	22	34740	40770	240
GIKR18-PW	18	46	94	23	16.5	35	21.8	M18x1.5	25.0	31	31.75	71	32	10	25	27	42570	42300	320
GIKR20-PW	20	50	102	25	18	40	24.4	M20x1.5	27.5	35	34.925	77	33	10	26	30	50940	41040	430
GIKR22-PW	22	54	111	28	20	42	25.8	M22x1.5	30.0	38	38.1	84	37	12	29	32	61740	54990	540
GIKR25-PW	25	60	124	31	22	47	29.6	M24x2	33.5	42	42.85	94	42	12	32	36	76320	65610	730
GIKR30-PW	30	70	145	37	25	55	34.8	M30x2	40.0	50	50.8	110	51	15	37	41	102600	86310	1170

Male Rod End Bearings

DRIVEFLEX

Rod End



Male Thread

- Maintenance-free
- Male thread
- Female thread also available
- Left hand and right hand



Left Hand

Part No.	Dimensions (mm)												Load Rating		Weight (g)
	d	d2	L2	B	C1	D	d1	d3	dk	h	L1	L7	C, dyn.N	C, stat.N	
GAKL5-PW	5	18	42	8	6	19	7.7	M5x0.8	11.110	33	19	.	5130	5400	13
GAKL6-PW	6	20	46	9	6.75	16	8.9	M6x1.0	12.700	36	21	.	6975	6237	22
GAKL8-PW	8	24	54	12	9	19	10.3	M8x1.25	15.875	42	25	.	11610	11610	42
GAKL10-PW	10	28	62	14	10.5	22	12.9	M10x1.5	19.050	48	28	.	16290	16650	69
GAKL12-PW	12	32	70	16	12	26	15.4	M12x1.75	22.225	54	32	.	21600	18720	110
GAKL14-PW	14	36	78	19	13.5	28	16.8	M14x2.0	25.400	60	36	18	27900	28800	160
GAKL16-PW	16	42	87	21	15	32	19.3	M16x2.0	28.575	66	37	21	34740	40770	230
GAKL18-PW	18	44	94	23	16.5	35	21.8	M18x1.5	31.750	72	41	22	42570	42300	280
GAKL20-PW	20	50	103	25	18	40	24.3	M20x1.5	34.925	78	45	25	50940	41040	390
GAKL22-PW	22	54	111	28	20	42	25.8	M22x1.5	38.100	84	48	27	61740	54990	480
GAKL25-PW	25	60	124	31	22	47	29.5	M24x2.0	42.850	94	55	30	76320	65610	670
GAKL30-PW	30	70	145	37	25	55	34.8	M30x2.0	50.800	110	66	35	102600	86310	1100

Right Hand

Part No.	Dimensions (mm)												Load Rating		Weight (g)
	d	d2	L2	B	C1	D	d1	d3	dk	h	L1	L7	C, dyn.N	C, stat.N	
GAKR5-PW	5	18	42	8	6	19	7.7	M5x0.8	11.110	33	19	.	5130	5400	13
GAKR6-PW	6	20	46	9	6.75	16	9	M6	12.700	36	21	.	6975	6237	22
GAKR8-PW	8	24	54	12	9	19	10.4	M8	15.875	42	25	.	11610	11610	42
GAKR10-PW	10	28	62	14	10.5	22	12.9	M10	19.050	48	28	.	16290	16650	69
GAKR12-PW	12	32	70	16	12	26	15.4	M12	22.225	54	32	.	21600	18720	110
GAKR14-PW	14	36	78	19	13.5	28	16.9	M14	25.400	60	36	18	27900	28800	160
GAKR16-PW	16	42	87	21	15	32	19.4	M16	28.575	66	37	23	34740	40770	230
GAKR18-PW	18	46	95	23	16.5	35	21.8	M18x1.5	31.750	72	41	25	42570	42300	280
GAKR20-PW	20	50	103	25	18	40	24.4	M20x1.5	34.925	78	45	26	50940	41040	390
GAKR22-PW	22	54	111	28	20	42	25.8	M22x1.5	38.100	84	48	27	61740	54990	480
GAKR25-PW	25	60	124	31	22	47	29.6	M24x2	42.850	94	55	32	76320	65610	670
GAKR30-PW	30	70	145	37	25	55	34.8	M30x2	50.800	110	66	37	102600	86310	1100

NTN
Make the world NAMERAKA

DRIVEFLEX

Spherical Plain Bearings



RADIAL PLAIN BEARINGS

AXIAL PLAIN BEARINGS

SPHERICAL PLAIN BEARINGS

SELF LUBRICATING

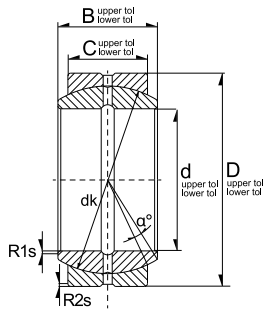
SEALS

STANDARD & MEDIUM DUTY

Spherical Plain Bearings Standard Duty

DRIVEFLEX

Spherical Plain Bearing



Standard Duty

- Spherical Plain Bearing
- Standard duty
- Sealed on both sides (2RS)

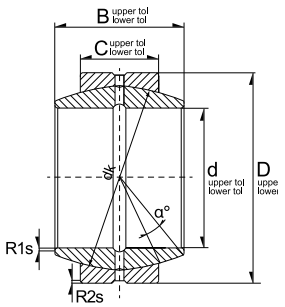


Part No.	Dimensions (mm)						Mounting Dimensions	Load Rating		Weight (g)
	d	D	B	C	Da	dk	da	C, dyn.N	C, stat.N	
GE6-DO	6.0	14.0	6.0	4.0	9.6	10.0	8.0	3060	15300	5
GE8-DO	8.0	16.0	8.0	5.0	12.5	13.0	10.2	5031	25200	7
GE10-DO	10.0	19.0	9.0	6.0	15.5	16.0	13.2	7344	36720	12
GE12-DO	12.0	22.0	10.0	7.0	17.5	18.0	14.9	9720	48600	17
GE15-DO	15.0	26.0	12.0	9.0	21.0	22.0	18.4	15210	76230	27
GE16-DO	16.0	30.0	14.0	10.0	24.0	25.0	20.7	19170	95400	34
GE17-DO-2RS	17.0	30.0	14.0	10.0	24.0	25.0	20.7	19170	95400	41
GE20-DO-2RS	20.0	35.0	16.0	12.0	27.5	29.0	24.2	26640	133200	65
GE25-DO-2RS	25.0	42.0	20.0	16.0	33.0	35.5	29.3	43470	216900	120
GE30-DO-2RS	30.0	47.0	22.0	18.0	38.0	40.7	34.2	56070	279900	150
GE35-DO-2RS	35.0	55.0	25.0	20.0	44.5	47.0	39.8	71910	360000	230
GE40-DO-2RS	40.0	62.0	28.0	22.0	51.0	53.0	45.0	89190	446400	320
GE45-DO-2RS	45.0	68.0	32.0	25.0	57.0	60.0	50.8	115200	575100	420
GE50-DO-2RS	50.0	75.0	35.0	28.0	63.0	66.0	56.0	141300	706500	560
GE60-DO-2RS	60.0	90.0	44.0	36.0	75.0	80.0	66.8	220500	1098000	1030
GE70-DO-2RS	70.0	105.0	49.0	40.0	87.0	92.0	77.9	281700	1404000	1560
GE80-DO-2RS	80.0	120.0	55.0	45.0	99.0	105.0	89.4	361800	1809000	2290
GE90-DO-2RS	90.0	130.0	60.0	50.0	108.0	115.0	98.1	440100	2196000	2760
GE100-DO-2RS	100.0	150.0	70.0	55.0	123.0	130.0	109.5	547200	2736000	4420
GE110-DO-2RS	110.0	160.0	70.0	55.0	134.0	140.0	121.2	589500	2952000	4800
GE120-DO-2RS	120.0	180.0	85.0	70.0	150.0	160.0	135.6	856800	4284000	8060
GE140-DO-2RS	140.0	210.0	90.0	70.0	173.0	180.0	155.9	963000	4824000	11200
GE160-DO-2RS	160.0	230.0	105.0	80.0	191.0	200.0	170.2	1224000	6120000	14200
GE180-DO-2RS	180.0	260.0	105.0	80.0	219.0	225.0	199.0	1377000	6885000	18600
GE200-DO-2RS	200.0	290.0	130.0	100.0	239.0	250.0	213.5	1917000	9540000	28500

Spherical Plain Bearings Medium Duty

DRIVEFLEX

Spherical Plain Bearing



Medium Duty

- Spherical Plain Bearing
- Medium duty
- Sealed on both sides (2RS)



Part No.	Dimensions (mm)						Mounting Dimensions	Load Rating		Weight (g)
	d	D	B	C	Da	dk	da	C, dyn.N	C, stat.N	
GE6-FO	6.0	16.0	9.0	5.0	12.5	13.0	9.4	4950	24750	9
GE8-FO	8.0	19.0	11.0	6.0	15.5	16.0	11.6	7344	36720	15
GE10-FO	10.0	22.0	12.0	7.0	17.5	18.0	13.4	9720	48600	21
GE12-FO	12.0	26.0	15.0	9.0	21.0	22.0	16.1	15210	76230	37
GE15-FO-2RS	15.0	30.0	16.0	10.0	24.0	25.0	19.2	19170	95400	47
GE17-FO-2RS	17.0	35.0	20.0	12.0	27.5	29.0	21.0	26640	133200	79
GE20-FO-2RS	20.0	42.0	25.0	16.0	33.0	35.5	25.2	43470	216900	150
GE25-FO-2RS	25.0	47.0	28.0	18.0	38.0	40.7	29.5	56070	279900	200
GE30-FO-2RS	30.0	55.0	32.0	20.0	44.5	47.0	34.4	71910	360000	300
GE35-FO-2RS	35.0	62.0	35.0	22.0	51.0	53.0	39.8	89190	446400	400
GE40-FO-2RS	40.0	68.0	40.0	25.0	57.0	60.0	44.7	115200	575100	530
GE45-FO-2RS	45.0	75.0	43.0	28.0	63.0	66.0	50.1	141300	706500	690
GE50-FO-2RS	50.0	90.0	56.0	36.0	75.0	80.0	57.1	220500	1098000	1410
GE60-FO-2RS	60.0	105.0	63.0	40.0	87.0	92.0	67.0	281700	1404000	2100
GE70-FO-2RS	70.0	120.0	70.0	45.0	99.0	105.0	78.3	361800	1809000	3000
GE80-FO-2RS	80.0	130.0	75.0	50.0	108.0	115.0	87.2	440100	2196000	3600
GE90-FO-2RS	90.0	150.0	85.0	55.0	123.0	130.0	98.4	547200	2736000	5500
GE100-FO-2RS	100.0	160.0	85.0	55.0	134.0	140.0	111.2	589500	2952000	6000
GE110-FO-2RS	110.0	180.0	100.0	70.0	150.0	160.0	124.9	856800	4284000	9700
GE120-FO-2RS	120.0	210.0	115.0	70.0	173.0	180.0	138.5	963000	4824000	15100



See **Pulleys – Page 327**

Radial and Axial Plain Bearings



The range includes plain bearings steel / steel (lubrication required) and in steel / self-lubricating (PTFE + inner ring with hard chromium plating).

Steel/steel

Series	Definition
SA1	Equivalent to ISO "E" series
SA1 ..SS	Identical to SA1, but with seals
SA2	Inch plain bearing
SA4	Increased dimensions
SAT	Axial plain bearings

Steel/self-lubricating

Series	Definition
SAR1	Equivalent to ISO "E" series
SAR1 ..SS	Identical to SAR1, but with seals
SAR2	Inch plain bearing
SAR4	Increased dimensions

Cam Followers



Cam followers are used for applications requiring guidance, with minimum contact with cam and the linear guidance systems.

Cam followers applications are very different to bearing applications. The cam follower is not fitted in a housing and its thicker outer ring rolls directly over a surface to provide guidance

With or without a seal, with an outer ring with a convex or cylindrical profile, all cam followers are proposed:

- Contact needle version: (KRV-NATV) to accept significant loads
- Cage version: (KR-NATR) to accept higher speeds

Versions with 2 rows of contact bearings also exist to increase capacity (NUTR, NUTW and NUKR):

- Stud Type: threaded shaft has a slot head or hex head screwdriver tightening system to simplify the attachment of the roller on the support surface. These rollers may be regreased by the shaft
- Yoke Type: with or without lateral guidance

Part No.	Outer Dia (mm)
KR16FLL	16
KR16FXLL	16
KR19FLLD0H	19
KR19FXLL	19
KR22FLL	22
KR22XCLL	22
KR30LL	30
KR30XLL	30
KR32LL	32
KR32XLL	32
KR35LL	35
KR35XLL	35

Part no. Key
LL Sealed
X Cylindrical Outside Diameter
H Hexagonal Drive
DO No Lubrication Hole
C Different Thread (M10 X 1)
F Improved Material

NTN
Make the world NAMERAKA

DRIVEFLEX

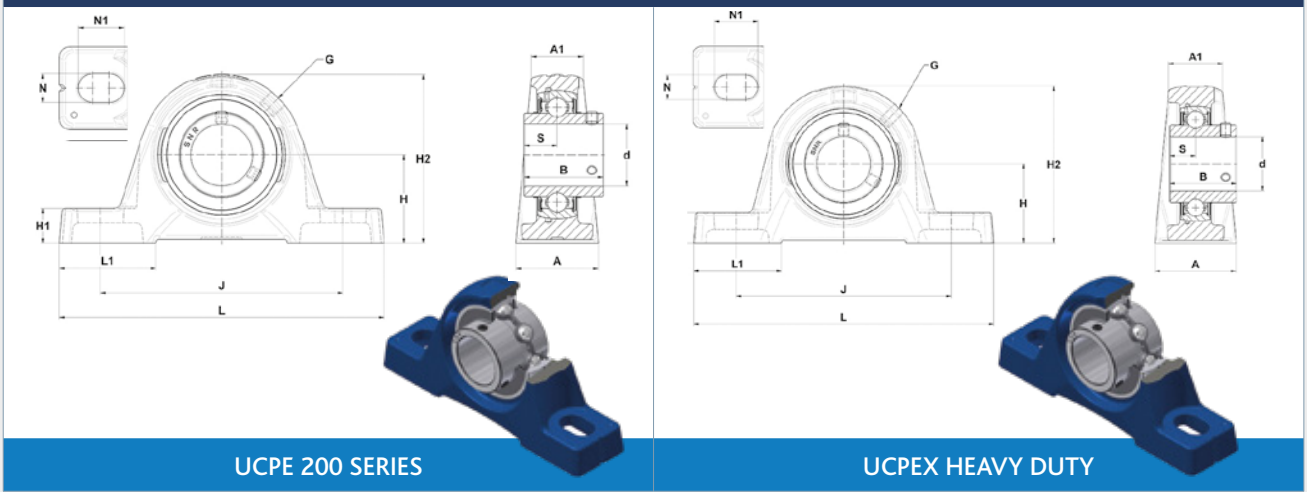
Bearing Housing Units



- RADIAL PLAIN BEARINGS
- AXIAL PLAIN BEARINGS
- SPHERICAL PLAIN BEARINGS
- SELF LUBRICATING
- SEALS
- STANDARD & MEDIUM DUTY

UCPE 200 Series & Heavy Duty UCPEX Cast Iron Bearing Housing Units

Cast Iron Bearing Housing Units with Steel Inserts



- Cast Iron Bearing Housing Unit
- Anti-corrosion finish
- Included Steel Bearing Insert UC 200 Series (See Page 876)

UCPE 200 Series - Cast Iron Bearing Housing Units with Steel Inserts

Part No.	Bore (mm)	Dimensions (mm)								Loads (kN)		Bearing Housing	Included Bearing	Weight (kg)
		L	H	A	J	N	N1	H2	B	Dynamic	Static			
UCPE204	20	130	33.3	32	97	11	19	64	31	12.80	6.65	PE204	UC204	0.5
UCPE205	25	130	36.5	36	103	11	19	70	34	14.00	7.88	PE205	UC205	0.7
UCPE206	30	158	42.9	40	118	14	22	82	38.1	19.50	11.20	PE206	UC206	1.1
UCPE207	35	163	47.6	45	126	14	21	93	42.9	25.70	15.20	PE207	UC207	1.5
UCPE208	40	179	49.2	48	138	14	26	99	49.2	29.60	18.20	PE208	UC208	1.8
UCPE209	45	192	54	48	150	14	29	107	49.2	31.85	20.80	PE209	UC209	2.2
UCPE210	50	200	57.2	54	158	18	23	115	51.6	35.10	23.20	PE210	UC210	2.7
UCPE211	55	222	63.5	60	176	18	30	124.5	55.6	43.55	29.20	PE211	UC211	3.4
UCPE212	60	240	69.9	60	190	18	28	140	65.1	52.50	32.80	PE212	UC212	4.8
UCPE213	65	260	79.4	65	203	22	28	156	65.1	57.20	40.00	PE213	UC213	6.1
UCPE214	70	260	79.4	65	203	22	28	156	74.6	62.00	45.00	PE214	UC214	6.1

UCPEX - Heavy Duty Cast Iron Bearing Housing Units with Steel Inserts

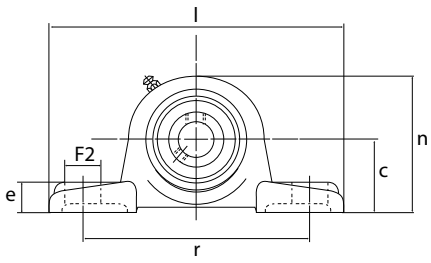
Part No.	Bore (mm)	Dimensions (mm)								Loads (kN)		Bearing Housing	Included Bearing	Weight (kg)
		L	H	A	J	N	N1	H2	B	Dynamic	Static			
UCPEX08	40	222.2	58.7	60	159	18	32	116.7	49.2	31.85	20.8	PEX08	UCX08G2	3.42
UCPEX09	45	222.2	58.7	60	159	18	32	116.7	51.6	35.1	23.2	PEX09	UCX09G2	3.25
UCPEX10	50	219.5	63.5	60	170.5	18	26	129.5	55.6	43.55	29.2	PEX10	UCX10G2	4.06
UCPEX11	55	249.5	69.9	69.5	190	22	33	142.2	65.1	52.5	32.8	PEX11	UCX11G2	5.48
UCPEX12	60	266	76.2	72	207	22	39.5	153	74.6	62	45	PEX12	UCX12G2	6.77
UCPEX13	65	330.2	88.9	88.9	230.8	26	50.7	177.8	77.8	66	49.5	PEX13	UCX13G2	11.23
UCPEX14	70	330.2	88.9	88.9	230.8	26	50.7	177.8	77.8	66	49.5	PEX13-14	UCX14G2	10.9
UCPEX15	75	330.2	88.9	88.9	241.8	26	39.8	184.3	82.6	72.5	54.2	PEX15	UCX15G2	11.9
UCPEX16	80	381	101.6	101.8	288.8	27	55.7	203.7	85.7	83.2	63.8	PEX16	UCX16G2	16.05

UCP 200 Series Cast Iron Bearing Housing Units with Steel Inserts

DRIVEFLEX

24 877

Cast Iron Bearing Housing Units with Steel Inserts



UCP 200 SERIES

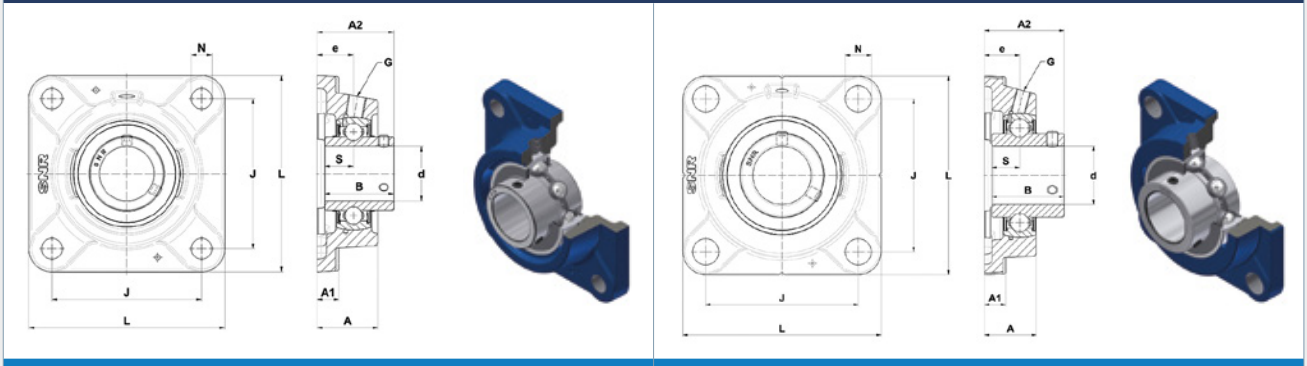
- Cast Iron Bearing Housing Unit
- Anti-corrosion finish
- Included Steel Bearing Insert UC 200 Series (See Page 877)



Part No.	Bore (mm)	Dimensions (mm)										Bearing Housing	Included Bearing	Bolt size	Weight (kg)
		c	l	r	s	F1	F2	e	n	A	o				
UCP202	15	30.2	127	95	38	13	16	14	62	31	12.7	P202	UC202	M10	0.63
UCP203	17	30.2	127	95	38	13	16	14	62	31	12.7	P203	UC203	M10	0.62
UCP204	20	33.3	127	95	38	13	16	14	65	31	12.7	P204	UC204	M10	0.7
UCP205	25	36.5	140	105	38	13	16	15	71	34	14.3	P205	UC205	M10	0.81
UCP206	30	42.9	165	121	48	17	20	17	83	38.1	15.9	P206	UC206	M14	1.3
UCP207	35	47.6	167	127	48	17	20	18	93	42.9	17.5	P207	UC207	M14	1.6
UCP208	40	49.2	184	137	54	17	20	18	98	49.2	19	P208	UC208	M14	2
UCP209	45	54	190	146	54	17	20	20	106	49.2	19	P209	UC209	M14	2.3
UCP210	50	57.2	206	159	60	20	23	21	114	51.6	19	P210	UC210	M16	2.9
UCP211	55	63.5	219	171	60	20	23	23	126	55.6	22.2	P211	UC211	M16	3.7
UCP212	60	69.8	241	184	70	20	23	25	138	65.1	25.4	P212	UC212	M16	4.9
UCP213	65	76.2	265	203	70	25	28	27	151	65.1	25.4	P213	UC213	M20	5.9
UCP214	70	79.4	266	210	72	25	28	27	157	74.6	30.2	P214	UC214	M20	6.6
UCP215	75	82.6	275	217	74	25	28	28	163	77.8	33.3	P215	UC215	M20	7.3
UCP216	80	88.9	292	232	78	25	28	30	175	82.6	33.3	P216	UC216	M20	10
UCP217	85	95.2	310	247	83	25	28	32	187	85.7	34.1	P217	UC217	M20	12.2
UCP218	90	101.6	327	262	88	27	30	33	200	96	39.7	P218	UC218	M22	14.7

UCFE 200 Series & Heavy Duty UCFEX Cast Iron Bearing Housing Units

Cast Iron Bearing Housing Units with Steel Inserts



UCFE 200 SERIES | UCFEX HEAVY DUTY

- Cast Iron Bearing Housing Unit
- Anti-corrosion finish
- Included Steel Bearing Insert UC 200 Series (See Page 876)

UCFE 200 Series - Cast Iron Bearing Housing Units with Steel Inserts

Part No.	Bore (mm)	Dimensions (mm)						Loads (kN)		Bearing Housing	Included Bearing	Weight (kg)
		L	J	A	A2	N	B	Dynamic	Static			
UCFE204	20	86	63.5	29.5	37.3	11.5	31	12.80	6.65	FE204	UC204	0.7
UCFE205	25	95	70	30	38.7	11.5	34	14.00	7.88	FE205	UC205	0.8
UCFE206	30	108	82.5	33.5	42.2	11.5	38.1	19.50	11.20	FE206	UC206	1.2
UCFE207	35	118	92	36	46.4	14	42.9	25.70	15.20	FE207	UC207	1.6
UCFE208	40	130	101.5	39.5	54.2	14	49.2	29.60	18.20	FE208	UC208	2.1
UCFE209	45	137	105	40	54.2	14	49.2	31.85	20.80	FE209	UC209	2.2
UCFE210	50	143	111	44	60.6	18	51.6	35.10	23.20	FE210	UC210	2.6
UCFE211	55	162	130	48.5	64.4	18	55.6	43.55	29.20	FE211	UC211	3.7
UCFE212	60	175	143	53.5	73.7	18	65.1	52.50	32.80	FE212	UC212	4.9
UCFE213	65	188	150	56	77.7	18	65.1	57.20	40.00	FE213	UC213	6
UCFE214	70	188	150	56	82.4	18	74.6	62.00	45.00	FE214	UC214	6.2

UCFEX - Heavy Duty Cast Iron Bearing Housing Units with Steel Inserts

Part No.	Bore (mm)	Dimensions (mm)						Loads (kN)		Bearing Housing	Included Bearing	Weight (kg)
		L	J	A	A2	N	B	Dynamic	Static			
UCFEX08	40	136.5	105	35.3	54.2	18	49.2	31.85	20.80	FEX08	UCX08G2	2.42
UCFEX09	45	142.9	111	39.7	60.5	18	51.6	35.10	23.20	FEX09	UCX09G2	2.75
UCFEX10	50	162	130	43.7	64.4	18	55.6	43.55	29.20	FEX10	UCX10G2	3.96
UCFEX11	55	174.5	143	47.6	73.7	18	65.1	52.50	32.80	FEX11	UCX11G2	4.88
UCFEX12	60	187.6	149.22	47.8	77.2	18	74.6	62.00	45.00	FEX12	UCX12G2	6.27
UCFEX13	65	196.5	152.4	52	81	23	77.8	66.00	49.50	FEX13	UCX13G2	7.33
UCFEX14	70	196.5	152.4	52	81	23	77.8	66.00	49.50	FEX13-14	UCX14G2	7
UCFEX15	75	196.5	152.4	56	88.8	23	82.6	72.50	54.20	FEX15	UCX15G2	8
UCFEX16	80	213.5	171.5	56	89.6	23	85.7	83.20	63.80	FEX16	UCX16G2	10.15

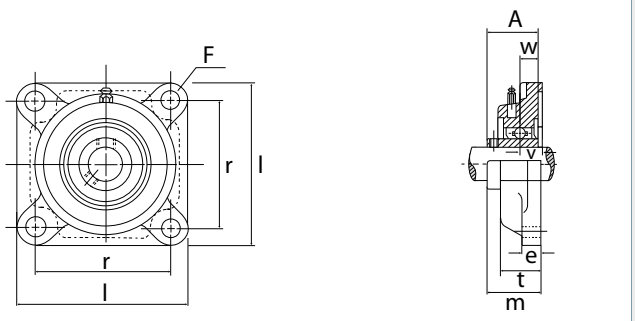
DRIVEFLEX® Bearing Housing Units with Steel Inserts

UCF 200 Series Cast Iron Bearing Housing Units

DRIVEFLEX

24 877

Cast Iron Bearing Housing Units with Steel Inserts



UCF 200 SERIES

- Cast Iron Bearing Housing Unit
- Included Steel Bearing Insert UC 200 Series (See Page 877)



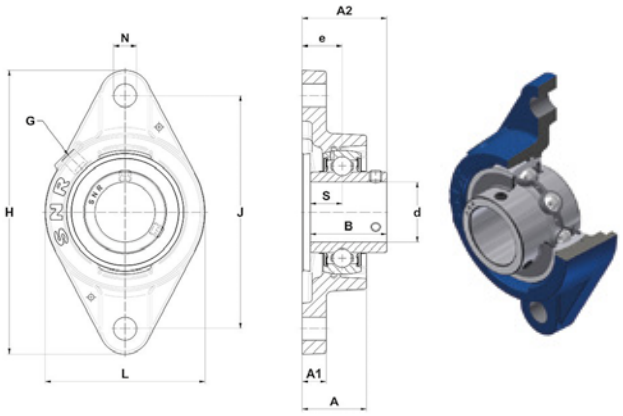
Part No.	Bore (mm)	Dimensions (mm)									Bearing Housing	Included Bearing	Bolt size	Weight (kg)
		l	r	v	e	t	F	m	A	w				
UCF202	15	86	64	15	11	25.5	12	33.3	31	12.7	F202	UC202	M10	0.62
UCF203	17	86	64	15	11	25.5	12	33.3	31	12.7	F203	UC203	M10	0.61
UCF204	20	86	64	15	11	25.5	12	33.3	31	12.7	F204	UC204	M10	0.61
UCF205	25	95	70	16	13	27	12	35.7	34	14.3	F205	UC205	M10	0.8
UCF206	30	108	83	18	13	31	12	40.2	38.1	15.9	F206	UC206	M10	1
UCF207	35	117	92	19	15	34	14	44.4	42.9	17.5	F207	UC207	M12	1.4
UCF208	40	130	102	21	15	36	16	51.2	49.2	19	F208	UC208	M14	1.8
UCF209	45	137	105	22	16	38	16	52.2	49.2	19	F209	UC209	M14	2.2
UCF210	50	143	111	22	16	40	16	54.6	51.6	19	F210	UC210	M14	2.4
UCF211	55	162	130	25	18	43	19	58.4	55.6	22.2	F211	UC211	M16	3.5
UCF212	60	175	143	29	18	48	19	68.7	65.1	25.4	F212	UC212	M16	4.2
UCF213	65	187	149	30	22	50	19	69.7	65.1	25.4	F213	UC213	M16	5.3
UCF214	70	193	152	31	22	54	19	75.4	74.6	30.2	F214	UC214	M16	5.9
UCF215	75	200	159	34	22	56	19	78.5	77.8	33.3	F215	UC215	M16	6.3
UCF216	80	208	165	34	22	58	23	83.3	82.6	33.3	F216	UC216	M20	7.8
UCF217	85	220	175	36	24	63	23	87.6	85.7	34.1	F217	UC217	M20	9.3
UCF218	90	235	187	40	24	68	23	96.3	96	39.7	F218	UC218	M20	11.3

UCFLE 200 Series & UCFL 200 Series Cast Iron Bearing Housing Units

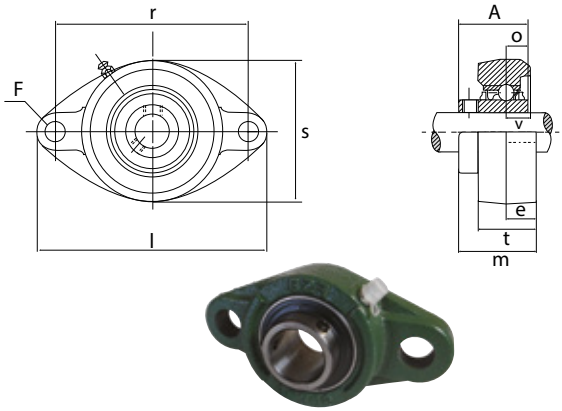
24 876 877

NTN Make the world NAMERAKA DRIVEFLEX

Cast Iron Bearing Housing Units with Steel Inserts



NTN UCFLE 200 SERIES



DRIVEFLEX UCFL 200 SERIES

- Cast Iron Bearing Housing Unit
- Anti-corrosion finish
- Included Steel Bearing Insert UC 200 Series (See Page 876 & 877)

NTN UCFLE 200 Series Cast Iron Bearing Housing Units with Steel Inserts

Part No.	Bore (mm)	Dimensions (mm)					Loads (kN)		Bearing Housing	Included Bearing	Weight (kg)
		L	H	J	A2	N	Dynamic	Static			
UCFLE204	20	61	112	90	37.3	11.5	12.80	6.65	FLE204	UC204	0.5
UCFLE205	25	70	124	99	38.7	11.5	14.00	7.88	FLE205	UC205	0.6
UCFLE206	30	80	142	117	42.2	11.5	19.50	11.20	FLE206	UC206	0.8
UCFLE207	35	92	155	130	46.4	14	25.70	15.20	FLE207	UC207	1.1
UCFLE208	40	105	172	144	54.2	14	29.60	18.20	FLE208	UC208	1.6
UCFLE209	45	111	180	148	54.2	14	31.85	20.80	FLE209	UC209	1.8
UCFLE210	50	116	190	157	60.6	18	35.10	23.20	FLE210	UC210	2.1
UCFLE211	55	134	222	184	64.4	18	43.55	29.20	FLE211	UC211	3.4
UCFLE212	60	138	238	202	73.7	18	52.50	32.80	FLE212	UC212	3.7
UCFLE213	65	160	258	210	77.7	21	57.20	40.00	FLE213	UC213	4
UCFLE214	70	160	258	216	82.4	21	62.00	45.00	FLE214	UC214	5.4

DRIVEFLEX UCFL 200 Series Cast Iron Bearing Housing Units with Steel Inserts

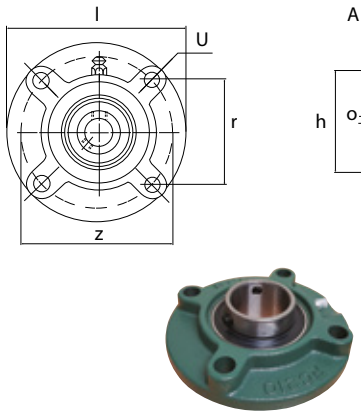
Part No.	Bore (mm)	Dimensions (mm)										Bearing Housing	Included Bearing	Bolt size	Weight (kg)
		l	r	v	e	t	F	s	m	A	o				
UCFL202	15	113	90	15	11	25.5	12	60	33.3	31	12.7	FL202	UC202	M10	0.48
UCFL203	17	113	90	15	11	25.5	12	60	33.3	31	12.7	FL203	UC203	M10	0.48
UCFL204	20	113	90	15	11	25.5	12	60	33.3	31	12.7	FL204	UC204	M10	0.48
UCFL205	25	130	99	16	13	27	16	68	35.7	34	14.3	FL205	UC205	M14	0.65
UCFL206	30	148	117	18	13	31	16	80	40.2	38.1	15.9	FL206	UC206	M14	0.94
UCFL207	35	161	130	19	15	34	16	90	44.4	42.9	17.5	FL207	UC207	M14	1.2
UCFL208	40	175	144	21	15	36	16	100	51.2	49.2	19	FL208	UC208	M14	1.6
UCFL209	45	188	148	22	16	38	19	108	52.2	49.2	19	FL209	UC209	M16	2
UCFL210	50	197	157	22	16	40	19	115	54.6	51.6	19	FL210	UC210	M16	2.3
UCFL211	55	224	184	25	18	43	19	130	58.4	55.6	22.2	FL211	UC211	M16	3.3
UCFL212	60	250	202	29	18	48	23	140	68.7	65.1	25.4	FL212	UC212	M20	4.3
UCFL213	65	258	210	30	22	50	23	155	69.7	65.1	25.4	FL213	UC213	M20	5
UCFL214	70	265	216	31	22	54	23	160	75.4	74.6	30.2	FL214	UC214	M20	5.6
UCFL215	75	275	225	34	22	56	23	165	78.5	77.8	33.3	FL215	UC215	M20	6.2
UCFL216	80	290	233	34	22	58	25	180	83.3	82.6	33.3	FL216	UC216	M22	8

UCFC 200 Series & UCT 200 Series Cast Iron Bearing Housing Units

DRIVEFLEX

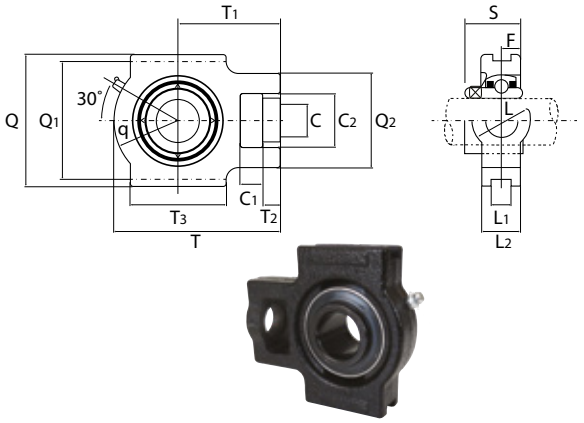


Cast Iron Bearing Housing Units with Steel Inserts



UCFC 200 SERIES

Cast Iron Bearing Housing Units with Steel Inserts



UCT 200 SERIES

- Cast Iron Bearing Housing Unit
- Anti-corrosion finish
- Included Steel Bearing Insert UC 200 Series (See Page 877)

UCFC 200 Series - Cast Iron Bearing Housing Units with Steel Inserts

Part No.	Bore (mm)	Dimensions (mm)												Bearing Housing	Included Bearing	Bolt size	Weight (kg)
		l	z	r	v	U	y	w	e	h	m	A	o				
UCFC202	15	100	78	55.1	10	12	5	7	20.5	62	28.3	31	12.7	FC202	UC202	M10	0.76
UCFC203	17	100	78	55.1	10	12	5	7	20.5	62	28.3	31	12.7	FC203	UC203	M10	0.76
UCFC204	20	100	78	55.1	10	12	5	7	20.5	62	28.3	31	12.7	FC204	UC204	M10	0.76
UCFC205	25	115	90	63.6	10	12	6	7	21	70	29.7	34	14.3	FC205	UC205	M10	0.96
UCFC206	30	125	100	70.7	10	12	8	8	23	80	32.2	38.1	15.9	FC206	UC206	M10	1.3
UCFC207	35	135	110	77.8	11	14	8	9	26	90	36.4	42.9	17.5	FC207	UC207	M12	1.7
UCFC208	40	145	120	84.8	11	14	10	9	26	100	41.2	49.2	19	FC208	UC208	M12	2
UCFC209	45	160	132	93.3	10	16	12	14	26	105	40.2	49.2	19	FC209	UC209	M14	2.7
UCFC210	50	165	138	97.6	10	16	12	14	28	110	42.6	51.6	19	FC210	UC210	M14	2.9
UCFC211	55	185	150	106.1	13	19	12	15	31	125	46.4	55.6	22.2	FC211	UC211	M16	4.3
UCFC212	60	195	160	113.1	17	19	12	15	36	135	56.7	65.1	25.4	FC212	UC212	M16	5
UCFC213	65	205	170	120.2	16	19	14	15	36	145	55.7	65.1	25.4	FC213	UC213	M16	5.7
UCFC214	70	215	177	125.1	17	19	14	18	40	150	61.4	74.6	30.2	FC214	UC214	M16	6.8

UCT 200 Series - Cast Iron Bearing Housing Units with Steel Inserts

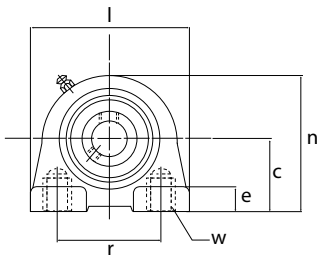
Part No.	Bore (mm)	Dimensions (mm)															Bearing Housing	Included Bearing	Weight (kg)
		C1	T2	Q2	C2	C	T3	L1	Q1	Q	T	L2	L	q	T1	S	F			
UCT202	15	16	12	51	32	19	51	12	76	89	94	21	32	33	61	31.0	12.7	T202	UC202	0.78
UCT203	17	16	12	51	32	19	51	12	76	89	94	21	32	33	61	31.0	12.7	T203	UC203	0.76
UCT204	20	16	12	51	32	19	51	12	76	89	94	21	32	33	61	31.0	12.7	T204	UC204	0.74
UCT205	25	16	12	51	32	19	51	12	76	89	97	24	32	35	62	34.0	14.3	T205	UC205	0.83
UCT206	30	16	12	56	37	22	57	12	89	102	113	28	37	43	70	38.1	15.9	T206	UC206	1.30
UCT207	35	16	15	64	37	22	64	12	102	129	129	30	37	51	78	42.9	17.5	T207	UC207	1.61
UCT208	40	19	18	83	49	29	83	16	102	114	144	33	49	56	88	49.2	19.0	T208	UC208	2.40
UCT209	45	19	18	83	49	29	83	16	102	117	145	35	49	57	88	49.2	19.0	T209	UC209	2.40
UCT210	50	19	18	83	49	29	86	16	102	117	151	37	49	59	92	51.6	19.0	T210	UC210	2.50
UCT211	55	25	21	102	64	35	95	22	130	146	171	38	64	65	106	55.6	22.2	T211	UC211	4.0
UCT212	60	32	21	102	64	35	102	22	130	146	194	42	64	75	119	65.1	25.4	T212	UC212	5.0

UCPA 200 Series Cast Iron Bearing Housing Units with Steel Inserts

24 877

DRIVEFLEX

Bearing Housings



UCPA 200 Series

- Cast Iron Bearing Housing Unit
- Anti-corrosion finish
- Included Steel Bearing Insert UC 200 Series (See Page 877)



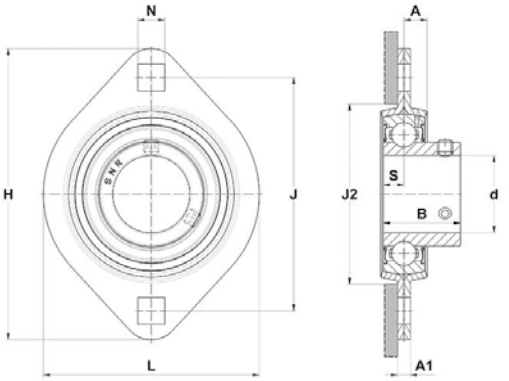
Part No.	Bore (mm)	Dimensions (mm)									Bearing Housing	Included Bearing	Bolt size	Weight (kg)
		c	l	r	s	e	n	A	o	h			w	
UCPA202	15	30.2	76	52	38	11	62	31	13	13	PA202	UC202	M10x1.5	0.63
UCPA203	17	30.2	76	52	38	11	62	31	13	13	PA203	UC203	M10x1.5	0.62
UCPA204	20	30.2	76	52	38	11	62	31	13	13	PA204	UC204	M10x1.5	0.64
UCPA205	25	36.5	84	56	38	12	72	34	14	15	PA205	UC205	M10x1.5	0.81
UCPA206	30	42.9	94	66	48	12	84	38.1	16	18	PA206	UC206	M14x2.0	1.2
UCPA207	35	47.6	110	80	48	13	95	42.9	18	20	PA207	UC207	M14x2.0	1.65
UCPA208	40	49.2	116	84	54	13	100	49.2	19	20	PA208	UC208	M14x2.0	2
UCPA209	45	54.2	120	90	54	13	108	49.2	19	25	PA209	UC209	M14x2.0	2.3
UCPA210	50	57.2	130	94	60	14	116	51.6	19	25	PA210	UC210	M16x2.0	2.9

Pressed Steel USPFL 200 Series Bearing Housing Units with Steel Inserts

NTN Make the world NAMERAKA

24 876

Bearing Housings



USPFL 200 Series

- Pressed Steel Bearing Housing Unit
- Included Steel Bearing Insert
- Included Steel Bearing Insert UC 200 Series (See Page 876)



Part No.	Bore (mm)	Dimensions (mm)				Loads (kN)		Bearing Housing	Included Bearing	Weight (kg)
		L	H	J	N	Dynamic	Static			
USPFL201	12	58.7	81	63.5	7.1	9.55	4.78	PFL203	US201	0.2
USPFL202	15	58.7	81	63.5	7.1	9.55	4.78	PFL203	US202	0.2
USPFL203	17	58.7	81	63.5	7.1	9.55	4.78	PFL203	US203	0.2
USPFL204	20	66.7	90.5	71.5	8.7	12.80	6.65	PFL204	US204	0.2
USPFL205	25	71	95.2	76.2	8.7	14.00	7.88	PFL205	US205	0.4
USPFL206	30	84	112.7	90.5	10.5	19.50	11.20	PFL206	US206	0.6
USPFL207	35	93.7	123	100	10.5	25.70	15.20	PFL207	US207	0.9
USPFL208	40	100	151	119	13.5	29.60	18.20	PFL208	US208	1.1



See **Steel Bearing Inserts – Page 876**

DRIVEFLEX

Stainless Steel Bearing Housing Units



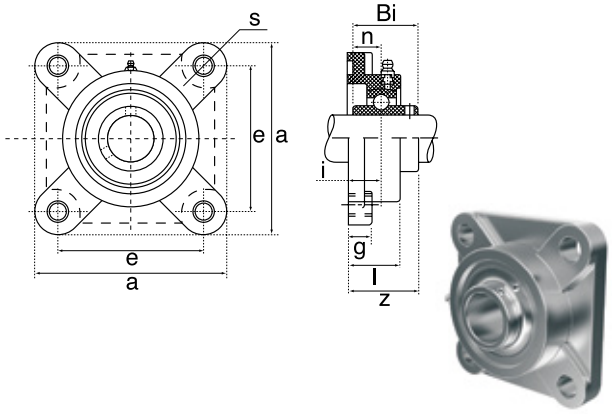
- HYGIENIC
- SUITABLE FOR LOW AND HIGH TEMPERATURES
- CHEMICAL SOLVENT RESISTANT
- OUTDOOR DURABILITY

SUCF Series & SUCFC Series Stainless Steel Bearing Housing Units

DRIVEFLEX

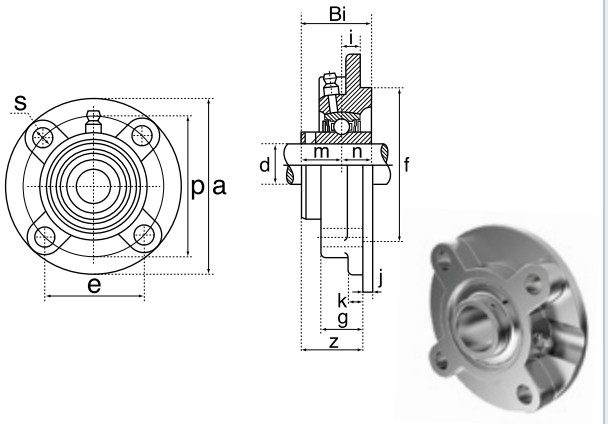


Stainless Steel Bearing Housing Units with Inserts



SUCF SERIES (Four Bolt Square Housing)

Stainless Steel Bearing Housing Units with Inserts



SUCFC SERIES (Four Hole Circular Housing)

Stainless Steel Bearing Housings with Stainless Steel Bearing insert *(not supplied assembled)*. They are ideal for food & beverage and pharmaceutical applications.

SUCF Series - Stainless Steel Bearing Housing Units with Inserts

Part No.	Bore (mm)	Dimensions (mm)							Included Bearing	Housing Weight** (kg)
		a	e	i	l	g	s	z		
SSUCF204	20	86	63.5	15.1	25.4	12	12	33.3	SUC204	0.47
SSUCF205	25	95	70	15.9	27	14	12	35.8	SUC205	0.65
SSUCF206	30	108	82.5	17.9	30	14	12	40.2	SUC206	0.85
SSUCF207	35	117	92	19.1	33	16	14	44.4	SUC207	1.03
SSUCF208	40	130	101.6	21	36	16	16	51.2	SUC208	1.38
SSUCF209	45	137	104.8	21.8	37	16	16	52.2	SUC209	1.5
SSUCF210	50	143	111	21.8	38	18	16	54.6	SUC210	1.63
SSUCF211	55	162	130	25	43	20	19	58.4	SUC211	3.25
SSUCF212	60	175	143	29	48	20	19	68.7	SUC212	4.2

** Weight excluding Stainless Steel Bearing Insert

SUCFC Series - Stainless Steel Bearing Housing Units with Inserts

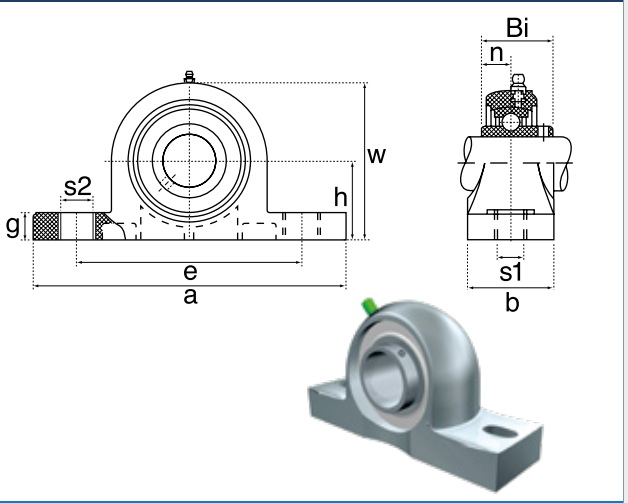
Part No.	Bore (mm)	Dimensions (mm)										Included Bearing	Housing Weight** (kg)
		a	p	e	i	s	j	g	f	z	Bi	n	
SUCFC204	20	100	78	55.1	10	12	5	20.5	62	28.3	31	12.7	SUC204	0.72
SUCFC205	25	115	90	63.6	10	12	6	21	70	29.8	34.1	14.3	SUC205	0.98
SUCFC206	30	125	100	70.7	10	12	8	23	80	32.2	38.1	15.9	SUC206	1.3
SUCFC207	35	135	110	77.8	11	14	8	26	90	36.4	42.9	17.5	SUC207	1.8
SUCFC208	40	145	120	84.8	11	14	10	26	100	41.2	42.9	19	SUC208	2
SUCFC209	45	158.7	132	93.3	10	16	12	26	105	40.2	49.2	19	SUC209	2.9
SUCFC210	50	163	138	97.6	10	16	12	28	110	42.6	51.6	19	SUC210	2.9
SUCFC211	55	185	150	106.1	13	19	12	31	125	46.4	55.6	22.2	SUC211	4.5
SUCFC212	60	193.5	160	113.1	17	19	12	36	135	56.7	65.1	25.4	SUC212	5.1

** Weight excluding Stainless Steel Bearing Insert

SUCP Series & SUCPA Series Stainless Steel Bearing Housing Units

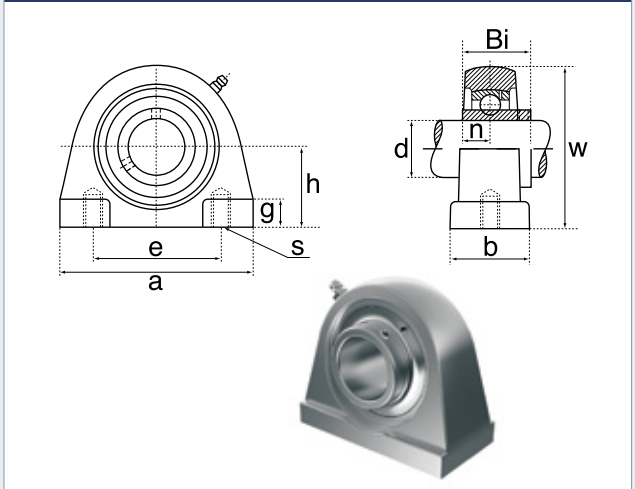
DRIVEFLEX

Stainless Steel Bearing Housing Units with Inserts



SUCP SERIES (Two Bolt Pillow Block Housing)

Stainless Steel Bearing Housing Units with Inserts



SUCPA SERIES (Two Hole Tapped Base Housing)

Stainless Steel Bearing Housings with Stainless Steel Bearing insert *(not supplied assembled)*. They are ideal for food & beverage and pharmaceutical applications.

SUCP Series - Stainless Steel Bearing Housing Units with Inserts

Part No.	Bore (mm)	Dimensions (mm)								Included Bearing	Housing Weight** (kg)
		h	a	e	b	S1	S2	g	w		
SSUCP204	20	33.3	125	95	37	13	19	14	63.5	SUC204	0.69
SSUCP205	25	36.5	140	105	37	13	19	15	71	SUC205	0.74
SSUCP206	30	42.9	163	121	48	17	20	17	82	SUC206	1.29
SSUCP207	35	47.6	167	127	48	17	20	18	93	SUC207	1.42
SSUCP208	40	49.2	184	137	54	17	20	18	100	SUC208	1.82
SSUCP209	45	54	190	146	54	17	20	20	106	SUC209	2.09
SSUCP210	50	57.2	206	159	60	20	23	21	113	SUC210	2.38
SSUCP211	55	63.5	219	171	60	20	23	23	125	SUC211	2.55
SSUCP212	60	69.8	241	184	70	20	23	25	138	SUC212	3.4

** Weight excluding Stainless Steel Bearing Insert

SUCPA Series - Stainless Steel Bearing Housings Units with Inserts

Part No.	Bore (mm)	Dimensions (mm)									Included Bearing	Housing Weight** (kg)
		h	a	e	b	g	s	w	Bi	n		
SUCPA204	20	30.2	72.6	52	38	15	M10	64	31	12.7	SUC204	0.57
SUCPA205	25	36.5	84	56	38	15	M10	72	34.1	14.3	SUC205	0.67
SUCPA206	30	42.9	94	66	48	18	M14	84	38.1	15.9	SUC206	0.8
SUCPA207	35	47.9	110	80	48	20	M14	95	42.9	17.5	SUC207	1.38
SUCPA208	40	49.2	116	84	54	20	M14	100	49.2	19	SUC208	1.75
SUCPA209	45	54.2	120	90	54	25	M14	108	49.2	19	SUC209	1.8
SUCPA210	50	57.2	130	94	60	25	M16	116	51.6	19	SUC210	2.4
SUCPA211	55	63.5	140	104	66	25	M16	125	55.6	22.2	SUC211	2.8
SUCPA212	60	69.9	150	114	68	25	M16	138	65.1	25.4	SUC212	3.7

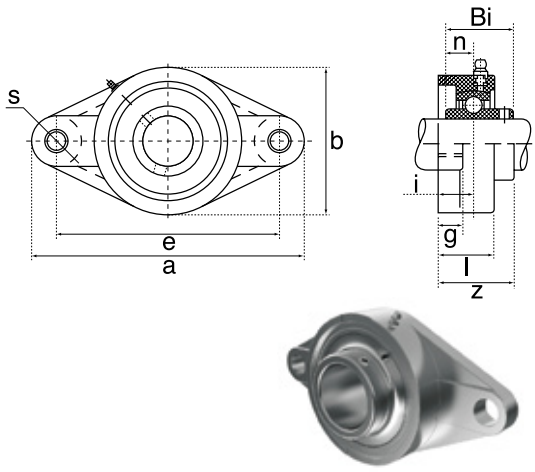
** Weight excluding Stainless Steel Bearing Insert

SUCFL Series & SUCFB Series Stainless Steel Bearing Housing Units

DRIVEFLEX

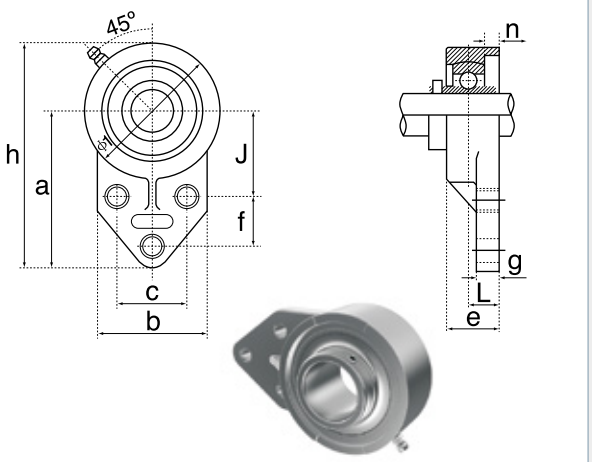
24 878

Stainless Steel Bearing Housing Units with Inserts



SUCFL SERIES (Two Bolt Square Housing)

Stainless Steel Bearing Housing Units with Inserts



SUCFB SERIES (Three Hole Bracket Housing)

Stainless Steel Bearing Housings with Stainless Steel Bearing insert *(not supplied assembled)*. They are ideal for food & beverage and pharmaceutical applications.

SUCFL Series - Stainless Steel Bearing Housing Units with Inserts

Part No.	Bore (mm)	Dimensions (mm)							Included Bearing	Housing Weight** (kg)
		a	e	i	b	l	g	s		
SUCFL204	20	113	90	15	60	25.5	11	12	SUC204	0.32
SUCFL205	25	130	99	16	68	27	13	16	SUC205	0.44
SUCFL206	30	148	117	18	80	31	13	16	SUC206	0.58
SUCFL207	35	161	130	19	90	34	14	16	SUC207	0.74
SUCFL208	40	175	144	21	100	36	14	16	SUC208	0.99
SUCFL209	45	188	148	22	108	38	15	19	SUC209	1.16
SUCFL210	50	197	157	22	114.6	40	15	19	SUC210	1.36
SUCFL211	55	224	184	25	130	43	18	19	SUC211	2.2
SUCFL212	60	250	202	29	138.5	48	18	23	SUC212	2.65

** Weight excluding Stainless Steel Bearing Insert

SUCFB Series - Stainless Steel Bearing Housing Units with Inserts

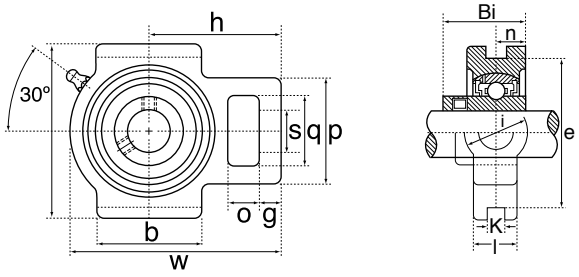
Part No.	Bore (mm)	Dimensions (mm)										Included Bearing	Housing Weight** (kg)
		J	h	c	f	L	g	e	a	s	b		
SUCFB204	20	42.9	108	38.1	22	15.9	8	25.4	52	10	60.3	SUC204	0.39
SUCFB205	25	46	121	41.3	28.5	16.7	9.5	28.5	52	10	63.5	SUC205	0.54
SUCFB206	30	52.4	137	47.6	31.7	18.6	9.5	32	55	10	70	SUC206	0.77
SUCFB207	35	60.3	156	50.8	31.7	21	12.7	36.5	62	13	83	SUC207	1.16
SUCFB208	40	60	164	50	41.3	21	15.9	35.7	72	11	78	SUC208	1.65
SUCFB209	45	65	174	54	42.9	21.8	18.3	38	76	11	80	SUC209	1.91
SUCFB210	50	74.6	190	69.9	41.3	21.8	12.7	38	82	13	102	SUC210	2.34

** Weight excluding Stainless Steel Bearing Insert

SUCT Series Stainless Steel Bearing Housing Units

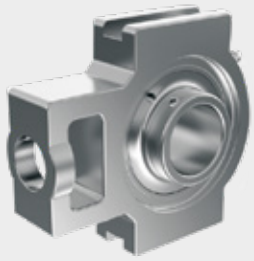
DRIVEFLEX

Stainless Steel Bearing Housing Units with Inserts



SUCT SERIES (Take Up Unit)

Stainless Steel Bearing Housings with Stainless Steel Bearing insert *(not supplied assembled)*. They are ideal for food & beverage and pharmaceutical applications.



Part No.	Bore (mm)	Dimensions (mm)														Included Bearing	Housing Weight** (kg)
		o	g	p	q	s	b	k	e	a	w	j	l	h	Bi	n	
SUCT204	20	16	13	64	37	22	64	12	89	102	129	37	30	78	42.9	17.5	SUC204	0.73
SUCT205	25	19	16	83	49	29	83	16	102	114	144	49	33	88	49.2	19	SUC205	0.8
SUCT206	30	19	16	83	49	29	83	16	102	117	144	49	35	87	49.2	19	SUC206	1.15
SUCT207	35	19	16	83	49	29	86	16	102	117	149	49	37	90	51.6	19	SUC207	1.35
SUCT208	40	25	19	102	64	35	95	22	130	146	171	64	38	106	55.6	22.2	SUC208	2.05
SUCT209	45	32	19	102	64	35	102	22	130	146	194	64	42	119	65.1	25.4	SUC209	2.1
SUCT210	50	19	16	83	49	29	86	16	102	117	149	49	37	90	51.6	19	SUC210	2.1
SUCT211	55	25	19	102	64	35	95	22	130	146	171	64	38	106	55.6	22.2	SUC211	3.1
SUCT212	60	32	19	102	64	35	102	22	130	146	194	64	42	119	65.1	25.4	SUC212	3.6

** Weight excluding Stainless Steel Bearing Insert



See **Stainless Steel Bearing Inserts – Page 878**

DRIVEFLEX

Thermoplastic Bearing Housing Units

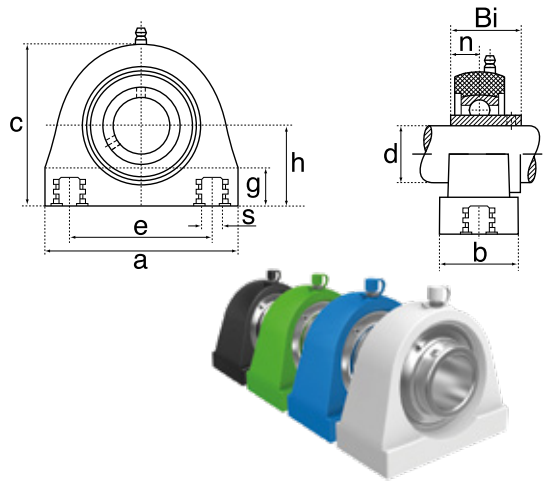


- 4 COLOUR OPTIONS
- STAINLESS STEEL INSERT
- HYGIENIC
- SUITABLE FOR LOW AND HIGH TEMPERATURES
- CHEMICAL SOLVENT RESISTANT
- IDEAL FOR HEAVY LOADS

UCPL Series & PPL Series Thermoplastic Bearing Housing Units

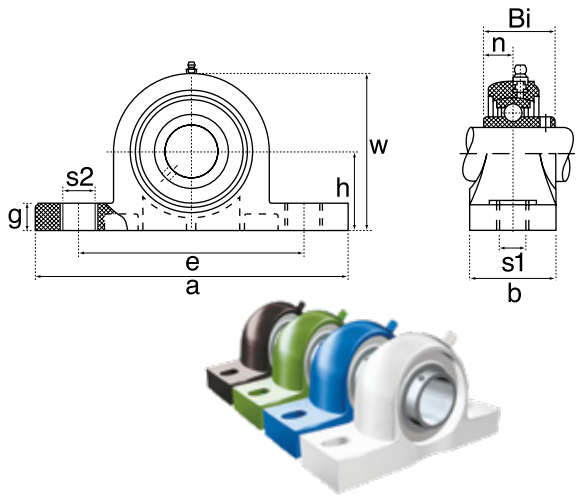
DRIVEFLEX

Thermoplastic Bearing Housing Units with Stainless Steel Inserts



UCPL SERIES (Two Hole Tapped Base Housing)

Thermoplastic Bearing Housing Units with Stainless Steel Inserts



PPL SERIES (Two Bolt Pillow Block Housing)

Coloured Thermoplastic Bearing Housings include housings in a choice of 4 colours with included protective End Cap and Stainless Steel Bearing insert *(may be supplied assembled)*. They are ideal for food & beverage and pharmaceutical applications.

UCPL Series - Thermoplastic Bearing Housing Units with Stainless Steel Inserts

Part No.*	Bore (mm)	Dimensions (mm)									Included Bearing	Bolt Size	Housing Weight** (kg)
		d	a	e	h	b	c	Bi	n	g		s	
UCPL204SS-...	20	20	76	52	33.3	38	64	31	12.7	13	SUC204	M8	0.09
UCPL205SS-...	25	25	84	56	36.5	38	72	34.1	14.3	13	SUC205	M10	0.12
UCPL206SS-...	30	30	94	66	42.9	48	84	38.1	15.9	16	SUC206	M10	0.18
UCPL207SS-...	35	35	110	80	47.6	48	95	49.2	17.5	18	SUC207	M10	0.26
UCPL208SS-...	40	40	116	84	49.2	54	100	49.2	19	20	SUC208	M12	0.3
UCPL209SS-...	45	45	120	90	54.2	54	108	49.2	19	20	SUC209	M12	0.35
UCPL210SS-...	50	50	130	94	57.2	60	116	51.6	19	22	SUC210	M16	0.45

* Colour variants ...W = White *e.g. UCPL204SS-W* ...G = Green ...BLK = Black ...BL = Blue ** Weight excluding Stainless Steel Bearing Insert

PPL Series - Thermoplastic Bearing Housing Units with Stainless Steel Inserts

Part No.*	Bore (mm)	Dimensions (mm)										Included Bearing	Housing Weight** (kg)
		h	a	e	b	S1	S2	g	w	Bi	n		
PPL204SS-...	20	33.3	127	95	38	11	14	14.2	65.6	31	12.7	SUC204	0.12
PPL205SS-...	25	36.5	140.6	105	38	11	14	14.5	71	34	14.3	SUC205	0.14
PPL206SS-...	30	42.9	163	119	46	14	18	17.8	84	38.1	15.9	SUC206	0.2
PPL207SS-...	35	47.6	168	127	48	14	18	18	94.5	42.9	17.5	SUC207	0.25
PPL208SS-...	40	49.2	184	137	54	14	18	19.5	101	49.2	19	SUC208	0.35
PPL209SS-...	45	54	192	146	54	17	20	23	106	49.2	19	SUC209	0.45
PPL210SS-...	50	57.2	206	159	60	17	20	23	114	51.6	19	SUC210	0.55

* Colour variants ...W = White *e.g. PPL204SS-W* ...G = Green ...BLK = Black ...BL = Blue ** Weight excluding Stainless Steel Bearing Insert

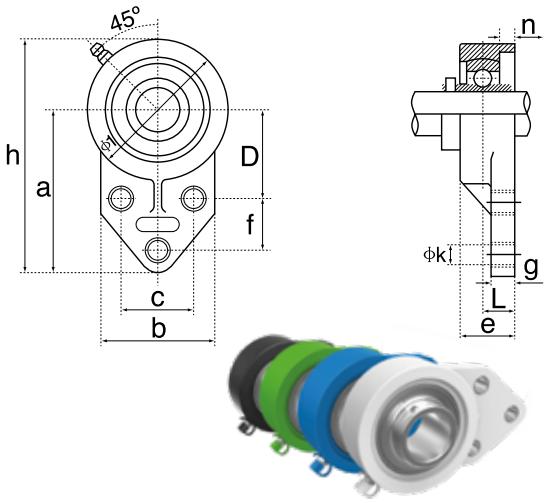
Thermoplastic Bearing Housing Units with Stainless Steel Inserts

FBL Series & FPL Series Thermoplastic Bearing Housing Units

DRIVEFLEX

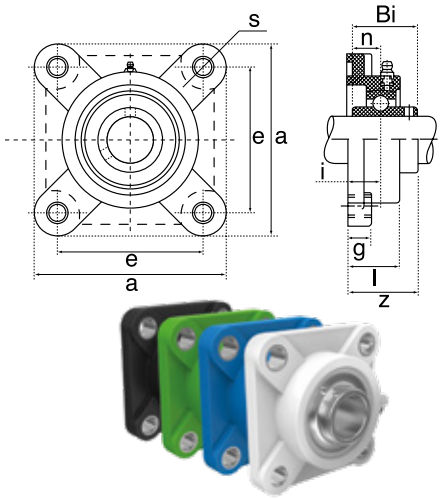


Thermoplastic Bearing Housing Units with Stainless Steel Inserts



FBL SERIES (Three Bolt Flanged Housing)

Thermoplastic Bearing Housing Units with Stainless Steel Inserts



FPL SERIES (Four Bolt Square Housing)

Coloured Thermoplastic Bearing Housings include housings in a choice of 4 colours with included protective End Cap and Stainless Steel Bearing insert *(may be supplied assembled)*. They are ideal for food & beverage and pharmaceutical applications.

FBL Series - Thermoplastic Bearing Housing Units with Stainless Steel Inserts

Part No.*	Bore (mm)	Dimensions (mm)										Included Bearing	Housing Weight** (kg)
		a	b	c	D	e	f	g	h	k	n		
FBL204SS-...	20	76.2	62	38.1	42.9	33.7	22.2	11.4	108	10.7	12.7	SUC204	0.08
FBL205SS-...	25	85.7	63.5	41.3	46	41.2	28.6	11.4	120.6	10.7	14.3	SUC205	0.11
FBL206SS-...	30	96.5	76	47.6	52.4	41.5	31.8	13.3	138.5	10.7	15.9	SUC206	0.16
FBL207SS-...	35	109.5	98	50.8	60.3	47.1	31.8	16.1	157	13.1	17.5	SUC207	0.23
FBL208SS-...	40	114	100	50	60.3	35	41.3	16	163	13	19	SUC208	0.3
FBL209SS-...	45	121	106	54	65	35	43	18	174	17	19	SUC209	0.34
FBL210SS-...	50	128	112	58	68	35	46	18	184	17	19	SUC210	0.4

* Colour variants ...W = White *e.g. FBL204SS-W* ...G = Green ...BLK = Black ...BL = Blue ** Weight excluding Stainless Steel Bearing Insert

FPL Series - Thermoplastic Bearing Housing Units with Stainless Steel Inserts

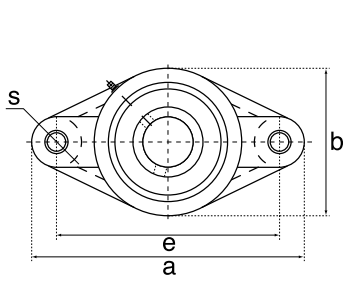
Part No.*	Bore (mm)	Dimensions (mm)									Included Bearing	Housing Weight** (kg)
		a	e	g	l	s	z	i	Bi	n		
FPL204SS-...	20	86	63.5	13.4	27.8	11	34.6	18	31	12.7	SUC204	0.12
FPL205SS-...	25	95	70	14	28	11	36.7	17	34	14.3	SUC205	0.15
FPL206SS-...	30	107	83	14.3	31.5	11	41.2	19.2	38.1	15.9	SUC206	0.18
FPL207SS-...	35	118	92	15.5	34.8	13	46.9	21.5	42.9	17.5	SUC207	0.26
FPL208SS-...	40	130	102	17	37.5	14	53.2	23	49.2	19	SUC208	0.33
FPL209SS-...	45	137	105	19	41	17	54.2	24	49.2	19	SUC209	0.42
FPL210SS-...	50	143	111	21	43	17	57.6	25	51.6	19	SUC210	0.51

* Colour variants ...W = White *e.g. FPL204SS-W* ...G = Green ...BLK = Black ...BL = Blue ** Weight excluding Stainless Steel Bearing Insert

NFL Series Thermoplastic Bearing Housing Units

DRIVEFLEX

Two Bolt Flanged Housing



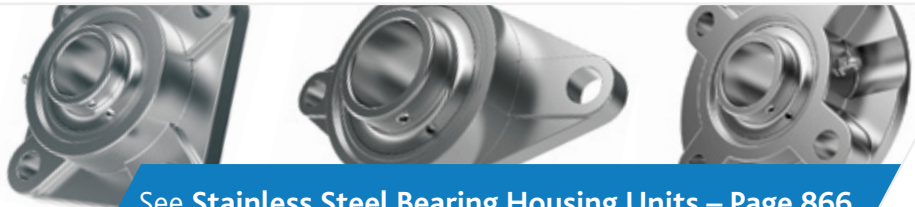
NFL SERIES

Coloured Thermoplastic Bearing Housings NFL Series include housings in a choice of 4 colours with included protective End Cap and Stainless Steel Bearing insert *(may be supplied assembled).* They are ideal for food & beverage and pharmaceutical applications.



Part No.*	Bore (mm)	Dimensions (mm)										Included Bearing	Housing Weight** (kg)
		a	e	b	g	l	s	z	i	Bi	n		
NFL204SS-...	20	113	90	65	13.4	26.5	33.3	33.7	15.4	31	12.7	SUC204	0.08
NFL205SS-...	25	134	99	70	14.3	28	36.2	36.7	17	34	14.3	SUC205	0.1
NFL206SS-...	30	148	117	80	14.3	30.5	40.2	41.2	19	38.1	15.9	SUC206	0.13
NFL207SS-...	35	164	130	90	15.5	32	44.4	43.4	19	42.9	17.5	SUC207	0.16
NFL208SS-...	40	176	144	100	17.21	35	14	51.7	21.5	49.2	19	SUC208	0.24
NFL209SS-...	45	188	149	108	21	41	17	54.2	24	49.2	19	SUC209	0.32
NFL210SS-...	50	197	157	115	21	43	17	57.6	25	51.6	19	SUC210	0.42

* Colour variants ...W = White *e.g. NFL204SS-W* ...G = Green ...BLK = Black ...BL = Blue ** Weight excluding Stainless Steel Bearing Insert



See **Stainless Steel Bearing Housing Units – Page 866**

NTN
Make the world NAMERAKA

DRIVEFLEX

Bearing Housing Inserts



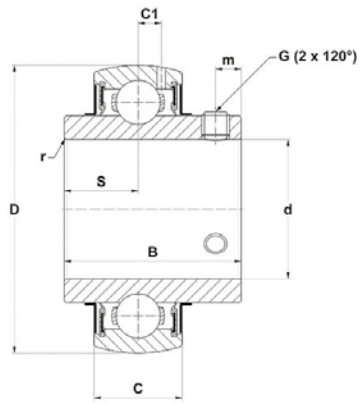
TWO BRANDS AVAILABLE

STEEL

STAINLESS STEEL

UC 200 Series Steel Bearing Housing Inserts

Steel Bearing Housing Insert



UC 200 Series



Part No.	Shaft hole Ø (mm)	Dimensions (mm)						Loads (kN)		Weight (kg)
		D	C	B1	s	m	G	Dynamic	Static	
UC201G2	12	47	16	31	12.7	4.7	M6X1	12.80	6.65	0.21
UC202G2	15	47	16	31	12.7	4.7	M6X1	12.80	6.65	0.2
UC203G2	17	47	16	31	12.7	4.7	M6X1	12.80	6.65	0.18
UC204G2	20	47	16	31	12.7	4.7	M6X1	12.80	6.65	0.17
UC205G2	25	52	17	34	14.3	5.5	M6X1	14.00	7.88	0.21
UC206G2	30	62	19	38.1	15.9	5.5	M6X1	19.50	11.20	0.32
UC207G2	35	72	20	42.9	17.5	6.5	M8X1	25.70	15.20	0.47
UC208G2	40	80	21	49.2	19	8	M8X1	29.60	18.20	0.64
UC209G2	45	85	22	49.2	19	8	M8X1	31.85	20.80	0.68
UC210G2	50	90	23	51.6	19	9	M10X1.25	35.10	23.20	0.8
UC211G2	55	100	25	55.6	22.2	9	M10X1.25	43.55	29.20	1.12
UC212G2	60	110	27	65.1	25.4	10.5	M10X1.25	52.50	32.80	1.53



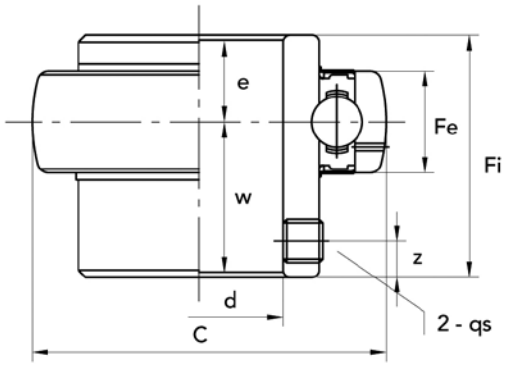
See **Bearing Housings – Page 857**

24hr Breakdown available | Customisable product | Product code builder | Compatible product

UC 200 Series Steel Bearing Housing Inserts

DRIVEFLEX

Steel Bearing Housing Insert





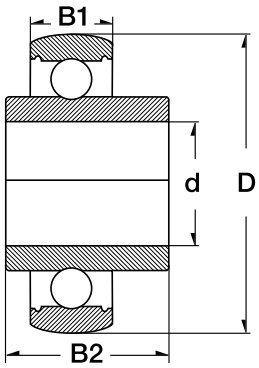
UC 200 Series

Part No.	Shaft hole Ø (mm)	Dimensions (mm)							Loads (kN)		Weight (kg)
		C	Fi	Fe	e	w	z	qs	Dynamic	Static	
PBUC/202	15	47	31	17	12.5	18.3	4.8	M6x1.0	10.00	6.30	0.9
PBUC/203	17	47	31	17	12.5	18.3	4.8	M6x1.0	10.00	6.30	0.18
PBUC/204	20	47	31	17	12.5	18.3	4.8	M6x1.0	10.00	6.30	0.16
PBUC/205	25	52	34	17	14.3	19.7	5.5	M6x1.0	10.00	7.10	0.20
PBUC/206	30	62	38.1	19	15.9	22.2	6	M6x1.0	15.20	10.20	0.32
PBUC/207	35	72	42.9	20	17.5	25.4	6.5	M8x1.0	20.10	13.90	0.48
PBUC/208	40	80	49.2	21	19	30.2	8	M8x1.0	25.60	18.10	0.64
PBUC/209	45	85	49.2	22	19	30.2	8	M8x1.0	25.60	18.10	0.68
PBUC/210	50	90	51.6	24	19	32.6	10	M10x1.0	27.50	20.20	0.82
PBUC/211	55	100	55.6	25	22.2	33.4	10	M10x1.0	34.00	22.50	1.11
PBUC/212	60	110	65.1	27	25.4	39.7	10	M10x1.0	41.00	31.50	1.54
PBUC/213	65	120	65.1	28	25.4	39.7	10	M10x1.0	44.80	34.70	1.86
PBUC/214	70	125	74.6	30	30.2	44.4	12	M12x1.5	48.70	38.10	2.06
PBUC/215	75	130	77.8	30	33.3	44.5	12	M12x1.5	51.90	41.90	2.21
PBUC/216	80	140	82.6	33	33.3	49.3	14	M12x1.5	57.00	45.50	2.79
PBUC/217	85	150	85.7	35	34.1	51.6	14	M12x1.5	66.00	53.20	3.45
PBUC/218	90	160	96	37	39.7	56.3	14	M12x1.5	75.00	61.70	4.35

SUC 200 Series Stainless Steel Bearing Housing Inserts

DRIVEFLEX

Stainless Steel Bearing Housing Insert



SUC 200 Series

- Oil lubrication
- Grease lubrication
- Complete with Mobil FM222
- Excellent water resistance
- Rust protection
- Load zones remain oiled under high shear conditions
- Chemical solvent resistant
- Suitable for low and high temperatures

MANUFACTURED TO FDA STANDARDS



Part No.	Dimensions (mm)				Loads (kN)		OR Material	IR Material	Ball Material
	d	D	B1	B2	Dynamic	Static			
SUC204	20	47	17	31	10.00	6.30	AISI420	AISI420	AISI420
SUC205	25	52	17	34.1	11.00	7.10	AISI420	AISI420	AISI420
SUC206	30	62	19	38.1	15.20	10.20	AISI420	AISI420	AISI420
SUC207	35	72	20	42.9	20.10	18.10	AISI420	AISI420	AISI420
SUC208	40	80	21	49.2	23.00	18.10	AISI420	AISI420	AISI420
SUC209	45	85	22	49.2	25.60	18.10	AISI420	AISI420	AISI420
SUC210	50	90	23	51.6	27.50	20.20	AISI420	AISI420	AISI420



See Thermoplastic Bearing Housings – Page 871

NTN
Make the world NAMERAKA

PRECISION SOLUTIONS FOR PERFECT MOTION

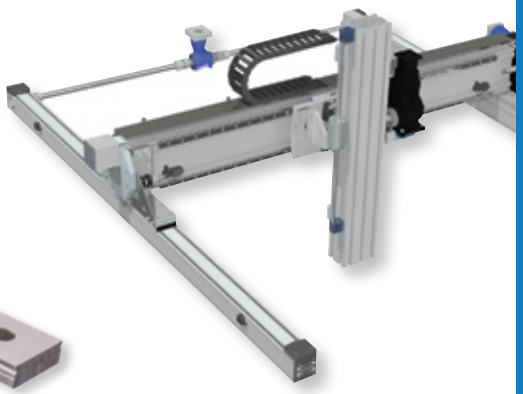


TransDev's NTN Linear brochure is available now.

We've teamed up with the leading manufacturer NTN to offer their innovative and reliable range of motion products. We have large stocks, with the expertise to support your requirements.

Versatile Linear Solutions

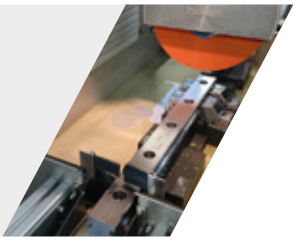
- Versatile Linear Axis modules
- System Axis for gantry, lifting and telescopic applications
- Complete customisable linear systems
- High qulaity, precision Linear Guides
- Ball Splines, Screws & Supports
- Wide range available







Cutting Service Available





For NTN Linear see page 887

BELTS PULLEYS CHAIN SPROCKETS GEARS BEARINGS LINEAR HARDWARE PLASTICS

TransDev®
THE POWER IN MOTION

Bearings with Solid Lubrication



Bearings with solid lubrication are manufactured under the NTN brand (SolidGrease) and the SNR brand (LubSolid). They require a special grease, solidified after injection in the bearings, which can retain a greater quantity of oil than standard grease, as required for the lubrication of the bearing during operation.

- **No service**
  – Reduced, or even zero, servicing
  – Less servicing for inaccessible bearings
- **Resistance to contamination**
  – High performance in dusty and/ or humid environment
  – The use of sealed bearings is recommended for applications with high levels of contamination. This type of lubrication can be used to improve bearing sealing
- **No grease leakage**
  – No grease leakage and low oil leakage: guaranteed clean operation
- **Excellent resistance to centrifugal forces, vibrations and low-scale oscillations**
  – Lubricant is in the form of a solid mass, ensuring: excellentresistance to centrifugal forces from the amount of oil necessary for satisfactory operation
- **Low start-up torque**
  – "SPOT PACK" type bearings: very low start-up torque at ambient temperature

Version	Brands	Type	Filling	Operating temperature
Standard	NTN	LP03	Full & Spot	-20°C to +60°C continuously, +80°C intermittent
	SNR	GEN1 (LSO) - GEN2*	Full & Spot (GEN2)	-20°C to +100°C continuously
High temperature	NTN	LP05	Spot	-20°C to +100°C continuously, +120°C intermittent
	SNR	GEN2*	Full & Spot	-20°C to +150°C continuously
Low temperature	SNR	GEN1 (LSF)	Full	-40°C to +110°C
Food	NTN	LP06 / LP09	Full & Spot	-10°C to +80°C continuously, +100°C intermittent
	SNR	GEN1 (LSA)	Full	-50°C to +100°C continuously
Special needle bearings	NTN	LP03	Full	-20°C to +100°C continuously, +120°C intermittent
	SNR	GEN1	Full	-20°C to +100°C continuously

* GEN2 on process, small quantities only

Components and Accessories

NTN
Make the world NAMERAKA

Balls	Rollers	Needles	Withdrawal sleeve
			

Hydraulic sleeve	Self-locking precision nuts	Standard nut	Washer
			

Adaptor Sleeves

Part No.	Inside Diameter (mm)
H205	20
H206	25
H207	30
H208	35
H209	40
H210	45
H211	50
H212	55
H218	80
H220	90
H222	100

Part No.	Inside Diameter (mm)
H305	20
H306	25
H307	30
H308	35
H309	40
H310	45
H311	50
H312	55
H318	80
H320	90
H322	100



Other Bearings Components

Split Bearings

For some applications, it is not possible to fit traditional bearings, therefore split bearings must be used. Mounting, dismounting and maintenance are all simplified.

Possible variants

- Cylindrical roller bearings
- Spherical roller bearings
- Needle cages, needle bearings
- Complete bearing units equipped with cylindrical roller bearings, with no cage for steel and iron units (continuous casting)

Bearings with Integrated Sensors

Integration of a speed and/or position measuring function, in the bearing function

- Basis bearing: LU sealed version (unilateral), greased. A magnetic encoder is fitted opposite the seal on the inner ring, with a sensor on the outer ring. The sensor detects the magnetic variations induced by the rotation of the encoder. The sensor then emits an output signal, enabling the electronics to recalculate the speed of rotation. By modifying the type of magnetic encoder, it is also possible to measure angular position.
- Range: 6202 to 6210
- Service temperature: from -40° to +120 °C



Industrial Constant Velocity Joints

The range includes entirely constant velocity joints, even for large angles, with the following characteristics:

3-ball joints (TBJ)

- Standard catalogue components
- Sealed with life-long greasing
- Flange or direct shaft assembly
- Single or double-effect
- Drive torque: from 3.2 to 1500 kgf.m



6-ball joints (BJ)

- High power constant velocity joints
- Supplied with fixed or sliding shafts
- Open or sealed
- Drive torque: from 155 to 6440 kgf.m

Applications: machine tools, glasswork, industrial washing machines, agricultural machines, industrial packing machines, vibrating platforms, steel and metal industry, crushers, screeners.



Tension Levellers

Complete assemblies equipped with low-torque bearings and with a ground outer diameter. CU type leveller cylinders can be used to absorb radial and axial loads thanks to angular contact ball bearings, while maintaining high rotational precision and compatibility with high speeds.

- Equipped with baffle-type low-torque seals
- For higher loads, these components can be equipped with needle bearings (type NKZ), enabling an increase in load capacity for the entire assembly, while maintaining very high rotational precision and a compact format.
- Cylinder lengths are adapted to each application based on a standard range of defined diameters.



LINEAR

Introduction 884

NTN 887

Introduction 888
Linear Guides 889
Linear Carriages 891
Linear Rail 892
Linear Shaft 898
Ball Bushings 924
Ball Screws, Ball Screw Supports & Ball Splines 925
Linear Axis 926
Linear Tables 927
Linear Systems 928
Technical Characteristics 930

IKO 933

Introduction 934
Accuracy & Build Quality 934
Lubrication 935
Interchangeability 936
C-Lube Linear Roller Way 937
Roller Type Linear Motion Rolling Guides 938
Miniature Type C-Lube Linear Way 940
Ball Type C-Lube Linear Way 942
High Rigidity Precision Ball Slides 944
Precision Linear Slide 944
Anti-Creep Crossed Roller Way 945
Ball Bushings 946
Miniature Stroke Rotary Bushings 946
Ball Splines 947
Mechatronics Series Precision Positioning Tables 948
Precision Elevating Tables 950
Alignment Tables & Modules 951



Linear Solutions

PRECISION SOLUTIONS
FOR PERFECT MOTION

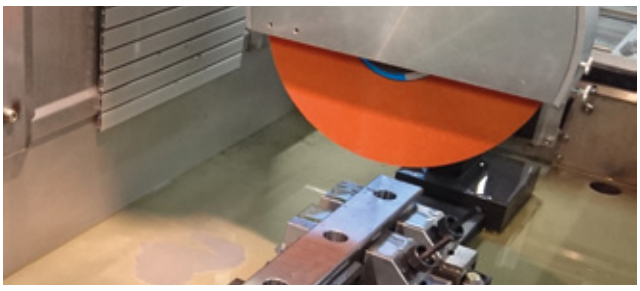


Linear Solutions

TransDev stocks linear ranges from two major brands, IKO and NTN. We can provide a complete solution for machine builders, users, and the trade. If you need assistance we also have the expertise to discuss your requirements and advise the best solution for your needs.

In-house cutting cell for excellent choice and delivery

Our linear cutting production cell use a new state of the art cutting machine and has the facilities to cut shaft and rail to multiple lengths. We can also assemble rails and guides for shipping. This vastly increases choice and availability for our customers, and means we can offer a quick turn around for your linear requirements.





Authorised IKO Linear Partner

NTN Make the world NAMERAKA

Linear Motion Applications

- Material Handling
- Automation
- Transport
- Energy
- Machine Tools
- Food Processing
- Packaging
- Medical & Health





	NTN	IKO	DRIVEFLEX
Ball Guides and Rails	✓	✓	
Roller Guides and Rails		✓	
Miniature Guides and Rails	✓	✓	
Ball Bushings	✓	✓	
Linear Shaft	✓		
Ball Screws	✓		
Ball Splines	✓	✓	
Ball Screw Supports	✓	✓	
Ball Slides		✓	
Crossed Roller Ways		✓	
Linear Axis	✓		
Linear Tables	✓	✓	
Trapezoidal Lead Screws & Nuts			✓ See P1016

Authorised IKO Linear Partner

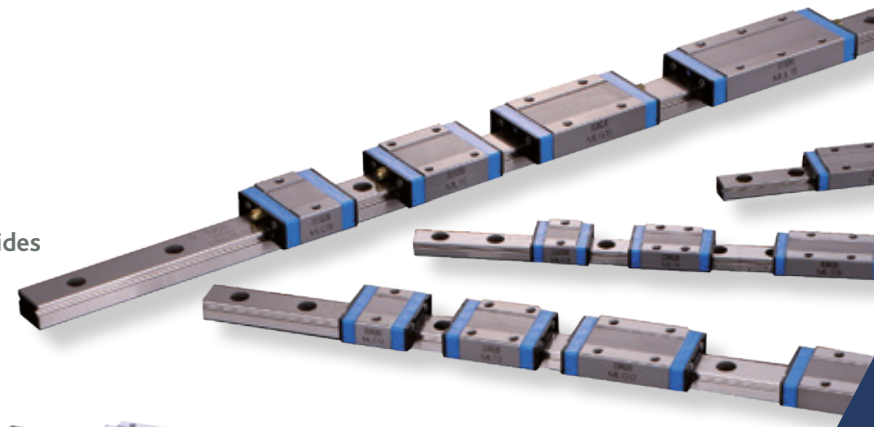
PRECISION SOLUTIONS FOR PERFECT MOTION



IKO guides and tables provide a high quality, accurate and robust linear motion solution for a wide range of applications including: Semiconductor, Packaging, Medical, CNC machines and Automation.

Versatile Linear Solutions

- Failure resistant
- Maintenance-free
- Reduce contamination
- Customisable options
- Roller & Ball Type Linear Motion Rolling Guides
- Ball Splines
- Anti-Creep Crossed Roller Way
- Ball & Linear Slide Units and Bushing
- Mechatronics Series Drives





Cutting Service Available

For **IKO Linear** see page 933

BELTS PULLEYS CHAIN SPROCKETS GEARS BEARINGS LINEAR HARDWARE PLASTICS

TransDev® THE POWER IN MOTION

NTN®
Make the world NAMERAKA

Linear Motion

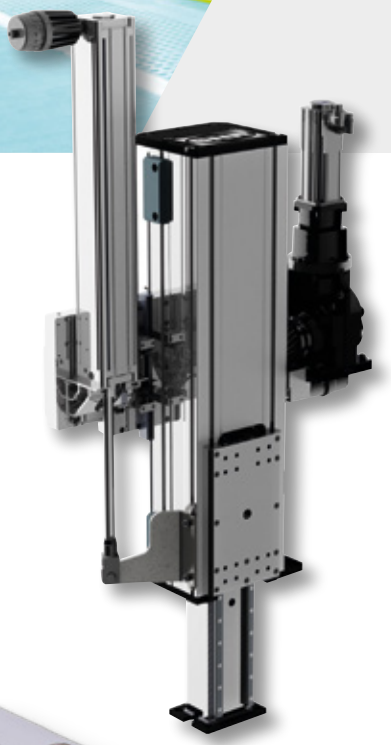


- MODULAR DESIGN
- LOW ASSEMBLY COSTS
- CUSTOMISABLE
- PATENTED BALL CHAIN SYSTEM
- HIGH PRECISION



Linear Engineering for Professionals

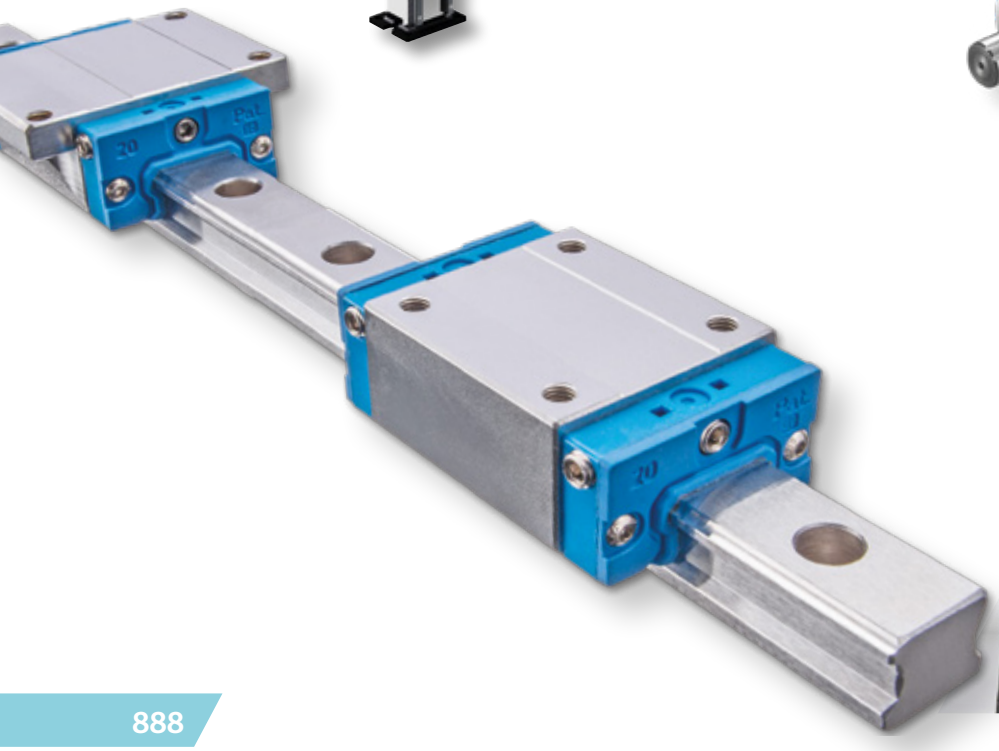
NTN has been one of the most innovative companies in bearings for decades. The NTN Group is one of the largest roller bearing manufacturer in the world. NTN has been established in the linear technology market since 1985 and strives to offer a complete and competitive product range. Their innovative range is based on a patented ball chain system.



A broad range for all applications

Their broad linear range offers solutions for all applications, with linear guidance and drive systems able to be combined to meet the demands of the market. Rail guides are used in a variety of applications such as: machine tool construction, packaging and printing machine construction, building of general and special machines, aeronautical construction, automation and assembly lines, the timber and semiconductor industries, medical technology and many others.







NTN®
Make the world NAMERAKA

Linear Guides



- MODULAR DESIGN
- LOW ASSEMBLY COSTS
- CUSTOMISABLE
- PATENTED BALL CHAIN SYSTEM
- HIGH PRECISION

Linear Guides



NTN linear guides are high-quality precision products.They combine customer-focused product development and

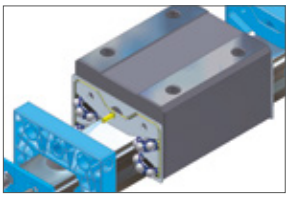
high quality. They offer the customer a wide product range for various applications in all areas of industry.

Standard Linear Guides

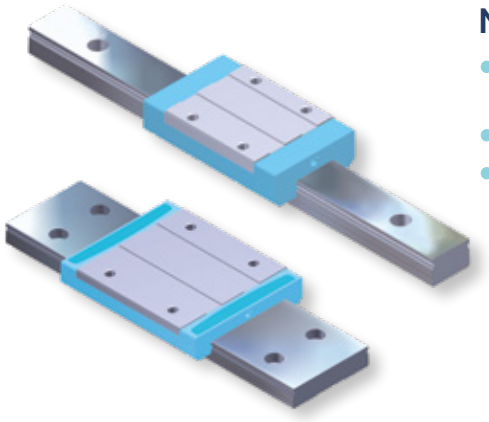
Characteristics

- Arrangement of the race ways at a 45° angle, which results in equal load ratings in all main directions
- Low system friction with a maximum friction coefficient, μ of 0.003 due to circular arc grooves
- High tolerance compensation and error compensation capability due to DF-arrangement of the race ways
- Multitude of lubrication connections can be mounted on all sides of the carriage
- Flanged carriages allows screw connection from the top and the bottom
- Double-lip seals for optimal protection of the carriage from liquid and solid foreign particles
- Range of sealing options for special applications
- Linear guides with ball chain and conventional types on one rail
- Dimensions according to DIN 645-1 and DIN 645-2.

Standard Linear Guides with Ball Chains



- Low noise level
- Very quiet running due to additional spacer ball at the chain ends
- Low heat generation
- Velocity of up to 5 m/s
- Accelerations of up to 50 m/s2
- Long-term zero maintenance
- Long service life
- Patented ball chain with integrated lubrication reservoirs
- NTN miniature guides
- Compact design
- Available in narrow and wide rail versions
- With ball chain and in conventional type available

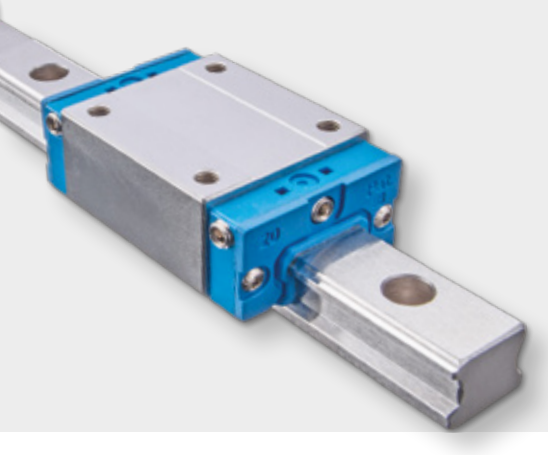


Miniature Guides

- Profile rail and carriage made of corrosion-resistant material
- Available in narrow and wide rail versions
- With ball chain and in conventional type available

Linear Carriages

24 892 - 897



- Linear Carriages
- Without Ball Chain
- Inner, End and Side Seals
- 4 Row
- 2 Point
- Ball contact
- Normal precision
- Low preload
- Interchangeable specification
- Carbon Steel
- Matching Rails

Part No.	Weight (Kg)	Size (mm)	Design Type	Height	Length	To Suit Rail
LGBXH15BNSSNZ1-N	0.19	15	Block	Normal/Medium	Standard	LGBR15
LGBXH15FLSSNZ1-N	0.23	15	Flange	Normal	Long	LGBR15
LGBXH15FNSSNZ1-N	0.21	15	Flange	Normal	Standard	LGBR15
LGBXH20BLSSNZ1-N	0.36	20	Block	Normal/Medium	Long	LGBR20
LGBXH20BNSSNZ1-N	0.31	20	Block	Normal/Medium	Standard	LGBR20
LGBXH20FLSSNZ1-N	0.46	20	Flange	Normal	Long	LGBR20
LGBXH20FNSSNZ1-N	0.4	20	Flange	Normal	Standard	LGBR20
LGBXH25BNSSNZ1-N	0.4	25	Block	Normal/Medium	Standard	LGBR25
LGBXH25FESSNZ1-N	0.89	25	Flange	Normal	Extra Long	LGBR25
LGBXH25FLSSNZ1-N	0.72	25	Flange	Normal	Long	LGBR25
LGBXH25FNSSNZ1-N	0.57	25	Flange	Normal	Standard	LGBR25
LGBXH30FESSNZ1-N	1.66	30	Flange	Normal	Extra Long	LGBR30
LGBXH30FLSSNZ1-N	1.34	30	Flange	Normal	Long	LGBR30
LGBXH30FNSSNZ1-N	1.1	30	Flange	Normal	Standard	LGBR30
LGBXH35FESSNZ1-N	2.54	35	Flange	Normal	Extra Long	LGBR35
LGBXH35FLSSNZ1-N	1.9	35	Flange	Normal	Long	LGBR35
LGBXH35FNSSNZ1-N	1.5	35	Flange	Normal	Standard	LGBR35
LGBXH45FESSNZ1-N	3.42	45	Flange	Normal	Extra Long	LGBR45
LGBXH45FNSSNZ1-N	2.27	45	Flange	Normal	Standard	LGBR45
LGBXH55FLSSNZ1-N	4.63	55	Flange	Normal	Long	LGBR55
LGBXS15BLSSNZ1-N	0.18	15	Block	Flat	Long	LGBR15
LGBXS15BNSSNZ1-N	0.17	15	Block	Flat	Standard	LGBR15
LGBXS20BNSSNZ1-N	0.22	20	Block	Flat	Standard	LGBR20
LGBXS20BSSSNZ1-N	0.17	20	Block	Flat	Short	LGBR20
LGBXS25FNSSNZ1-N	0.5	25	Flange	Flat	Standard	LGBR25
LGBXS30BESSNZ1-N	1.16	30	Block	Flat	Extra Long	LGBR30
LGBXS30BLSSNZ1-N	0.94	30	Block	Flat	Long	LGBR30
LGBXS30BNSSNZ1-N	0.8	30	Block	Flat	Standard	LGBR30
LGBXS45BESSNZ1-N	2.42	45	Block	Flat	Extra Long	LGBR45

Linear Rail 15mm



- Dimension G1/G2 =20mm *(not symmetrical)*
- Pitch of holes = 60mm
- Ball type
- Normal accuracy
- Interchangeable specification
- Carbon Steel
- Matching Carriage

Matching Carriage Reference
LGBXH15BNSSNZ1-N
LGBXH15FLSSNZ1-N
LGBXH15FNSSNZ1-N
LGBXS15BLSSNZ1-N
LGBXS15BNSSNZ1-N

Part No.	Weight (Kg)	Size (mm)	Length (mm)	No. of Holes
LGBR15L00160N-1-0-20.0N	0.2	15	160	3
LGBR15L00220N-1-0-20.0N	0.28	15	220	4
LGBR15L00280N-1-0-20.0N	0.36	15	280	5
LGBR15L00340N-1-0-20.0N	0.44	15	340	6
LGBR15L00400N-1-0-20.0N	0.51	15	400	7
LGBR15L00460N-1-0-20.0N	0.59	15	460	8
LGBR15L00520N-1-0-20.0N	0.67	15	520	9
LGBR15L00580N-1-0-20.0N	0.74	15	580	10
LGBR15L00640N-1-0-20.0N	0.82	15	640	11
LGBR15L00700N-1-0-20.0N	0.9	15	700	12
LGBR15L00760N-1-0-20.0N	0.97	15	760	13
LGBR15L00820N-1-0-20.0N	1.05	15	820	14
LGBR15L00880N-1-0-20.0N	1.13	15	880	15
LGBR15L00940N-1-0-20.0N	1.2	15	940	16
LGBR15L01000N-1-0-20.0N	1.28	15	1000	17
LGBR15L01060N-1-0-20.0N	1.36	15	1060	18
LGBR15L01120N-1-0-20.0N	1.43	15	1120	19
LGBR15L01180N-1-0-20.0N	1.51	15	1180	20
LGBR15L01240N-1-0-20.0N	1.59	15	1240	21
LGBR15L01300N-1-0-20.0N	1.66	15	1300	22
LGBR15L01360N-1-0-20.0N	1.74	15	1360	23
LGBR15L01420N-1-0-20.0N	1.82	15	1420	24
LGBR15L01480N-1-0-20.0N	1.89	15	1480	25
LGBR15L01540N-1-0-20.0N	1.97	15	1540	26
LGBR15L01600N-1-0-20.0N	2.05	15	1600	27
LGBR15L01720N-1-0-20.0N	2.2	15	1720	29
LGBR15L01840N-1-0-20.0N	2.36	15	1840	31
LGBR15L01960N-1-0-20.0N	2.51	15	1960	33
LGBR15L02080N-1-0-20.0N	2.66	15	2080	35
LGBR15L02200N-1-0-20.0N	2.82	15	2200	37
LGBR15L02320N-1-0-20.0N	2.97	15	2320	39
LGBR15L02440N-1-0-20.0N	3.12	15	2440	41
LGBR15L02560N-1-0-20.0N	3.28	15	2560	43
LGBR15L02680N-1-0-20.0N	3.43	15	2680	45
LGBR15L02800N-1-0-20.0N	3.58	15	2800	47
LGBR15L02920N-1-0-20.0N	3.74	15	2920	49
LGBR15L03040N-1-0-20.0N	3.89	15	3040	51
LGBR15L03280N-1-0-20.0N	4.2	15	3280	55
LGBR15L03520N-1-0-20.0N	4.51	15	3520	59
LGBR15L03760N-1-0-20.0N	4.81	15	3760	63
LGBR15L04000N-1-0-20.0N	5.12	15	4000	67

Linear Rail 20mm



- Dimension G1/G2 =20mm *(not symmetrical)*
- Pitch of holes = 60mm
- Ball type
- Normal accuracy
- Interchangeable specification
- Carbon Steel
- Matching Carriage

Matching Carriage Reference
LGBXH20BLSSNZ1-N
LGBXH20BNSSNZ1-N
LGBXH20FLSSNZ1-N
LGBXH20FNSSNZ1-N
LGBXS20BNSSNZ1-N
LGBXS20BSSSNZ1-N

Part No.	Weight (Kg)	Size (mm)	Length (mm)	No. of Holes
LGBR20L00160N-1-0-20.0N	0.34	20	160	3
LGBR20L00220N-1-0-20.0N	0.47	20	220	4
LGBR20L00280N-1-0-20.0N	0.6	20	280	5
LGBR20L00340N-1-0-20.0N	0.73	20	340	6
LGBR20L00400N-1-0-20.0N	0.86	20	400	7
LGBR20L00460N-1-0-20.0N	0.99	20	460	8
LGBR20L00520N-1-0-20.0N	1.12	20	520	9
LGBR20L00580N-1-0-20.0N	1.25	20	580	10
LGBR20L00640N-1-0-20.0N	1.38	20	640	11
LGBR20L00700N-1-0-20.0N	1.5	20	700	12
LGBR20L00760N-1-0-20.0N	1.63	20	760	13
LGBR20L00820N-1-0-20.0N	1.76	20	820	14
LGBR20L00880N-1-0-20.0N	1.89	20	880	15
LGBR20L00940N-1-0-20.0N	2.02	20	940	16
LGBR20L01000N-1-0-20.0N	2.15	20	1000	17
LGBR20L01060N-1-0-20.0N	2.28	20	1060	18
LGBR20L01120N-1-0-20.0N	2.41	20	1120	19
LGBR20L01180N-1-0-20.0N	2.54	20	1180	20
LGBR20L01240N-1-0-20.0N	2.67	20	1240	21
LGBR20L01300N-1-0-20.0N	2.79	20	1300	22
LGBR20L01360N-1-0-20.0N	2.92	20	1360	23
LGBR20L01420N-1-0-20.0N	3.05	20	1420	24
LGBR20L01480N-1-0-20.0N	3.18	20	1480	25
LGBR20L01540N-1-0-20.0N	3.31	20	1540	26
LGBR20L01600N-1-0-20.0N	3.44	20	1600	27
LGBR20L01720N-1-0-20.0N	3.7	20	1720	29
LGBR20L01840N-1-0-20.0N	3.96	20	1840	31
LGBR20L01960N-1-0-20.0N	4.21	20	1960	33
LGBR20L02080N-1-0-20.0N	4.47	20	2080	35
LGBR20L02200N-1-0-20.0N	4.73	20	2200	37
LGBR20L02320N-1-0-20.0N	4.99	20	2320	39
LGBR20L02440N-1-0-20.0N	5.25	20	2440	41
LGBR20L02560N-1-0-20.0N	5.5	20	2560	43
LGBR20L02680N-1-0-20.0N	5.76	20	2680	45
LGBR20L02800N-1-0-20.0N	6.02	20	2800	47
LGBR20L02920N-1-0-20.0N	6.28	20	2920	49
LGBR20L03040N-1-0-20.0N	6.54	20	3040	51
LGBR20L03280N-1-0-20.0N	7.05	20	3280	55
LGBR20L03520N-1-0-20.0N	7.57	20	3520	59
LGBR20L03760N-1-0-20.0N	8.08	20	3760	63
LGBR20L04000N-1-0-20.0N	8.6	20	4000	67

Linear Rail 25mm



- Dimension G1/G2 =20mm *(not symmetrical)*
- Pitch of holes = 60mm
- Ball type
- Normal accuracy
- Interchangeable specification
- Carbon Steel
- Matching Carriage

Matching Carriage Reference
LGBXH25BNSSNZ1-N
LGBXH25FESSNZ1-N
LGBXH25FLSSNZ1-N
LGBXH25FNSSNZ1-N
LGBXS25FNSSNZ1-N

Part No.	Weight (Kg)	Size (mm)	Length (mm)	No. of Holes
LGBR25L00160N-1-0-20.0N	0.46	25	160	3
LGBR25L00220N-1-0-20.0N	0.63	25	220	4
LGBR25L00280N-1-0-20.0N	0.81	25	280	5
LGBR25L00340N-1-0-20.0N	0.98	25	340	6
LGBR25L00400N-1-0-20.0N	1.15	25	400	7
LGBR25L00460N-1-0-20.0N	1.32	25	460	8
LGBR25L00520N-1-0-20.0N	1.5	25	520	9
LGBR25L00580N-1-0-20.0N	1.67	25	580	10
LGBR25L00640N-1-0-20.0N	1.84	25	640	11
LGBR25L00700N-1-0-20.0N	2.02	25	700	12
LGBR25L00760N-1-0-20.0N	2.19	25	760	13
LGBR25L00820N-1-0-20.0N	2.36	25	820	14
LGBR25L00880N-1-0-20.0N	2.53	25	880	15
LGBR25L00940N-1-0-20.0N	2.71	25	940	16
LGBR25L01000N-1-0-20.0N	2.88	25	1000	17
LGBR25L01060N-1-0-20.0N	3.05	25	1060	18
LGBR25L01120N-1-0-20.0N	3.23	25	1120	19
LGBR25L01180N-1-0-20.0N	3.4	25	1180	20
LGBR25L01240N-1-0-20.0N	3.57	25	1240	21
LGBR25L01300N-1-0-20.0N	3.74	25	1300	22
LGBR25L01360N-1-0-20.0N	3.92	25	1360	23
LGBR25L01420N-1-0-20.0N	4.09	25	1420	24
LGBR25L01480N-1-0-20.0N	4.26	25	1480	25
LGBR25L01540N-1-0-20.0N	4.44	25	1540	26
LGBR25L01600N-1-0-20.0N	4.61	25	1600	27
LGBR25L01720N-1-0-20.0N	4.95	25	1720	29
LGBR25L01840N-1-0-20.0N	5.3	25	1840	31
LGBR25L01960N-1-0-20.0N	5.64	25	1960	33
LGBR25L02080N-1-0-20.0N	5.99	25	2080	35
LGBR25L02200N-1-0-20.0N	6.34	25	2200	37
LGBR25L02320N-1-0-20.0N	6.68	25	2320	39
LGBR25L02440N-1-0-20.0N	7.03	25	2440	41
LGBR25L02560N-1-0-20.0N	7.37	25	2560	43
LGBR25L02680N-1-0-20.0N	7.72	25	2680	45
LGBR25L02800N-1-0-20.0N	8.06	25	2800	47
LGBR25L02920N-1-0-20.0N	8.41	25	2920	49
LGBR25L03040N-1-0-20.0N	8.76	25	3040	51
LGBR25L03280N-1-0-20.0N	9.45	25	3280	55
LGBR25L03520N-1-0-20.0N	10.14	25	3520	59
LGBR25L03760N-1-0-20.0N	10.83	25	3760	63
LGBR25L04000N-1-0-20.0N	11.52	25	4000	67

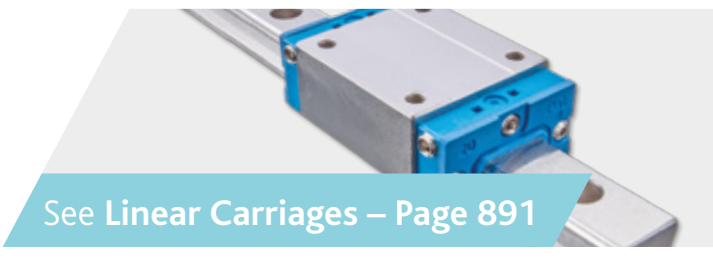
Linear Rail 30mm



- Dimension G1/G2 =20mm *(not symmetrical)*
- Pitch of holes = 60mm
- Ball type
- Normal accuracy
- Interchangeable specification
- Carbon Steel
- Matching Carriage

Matching Carriage Reference
LGBXH30FESSNZ1-N
LGBXH30FLSSNZ1-N
LGBXH30FNSSNZ1-N
LGBXS30BESSNZ1-N
LGBXS30BLSSNZ1-N
LGBXS30BNSSNZ1-N

Part No.	Weight (Kg)	Size (mm)	Length (mm)	No. of Holes
LGBR30L00280N-1-0-20.0N	1.25	30	280	4
LGBR30L00360N-1-0-20.0N	1.6	30	360	5
LGBR30L00440N-1-0-20.0N	1.96	30	440	6
LGBR30L00520N-1-0-20.0N	2.31	30	520	7
LGBR30L00600N-1-0-20.0N	2.67	30	600	8
LGBR30L00680N-1-0-20.0N	3.03	30	680	9
LGBR30L00760N-1-0-20.0N	3.38	30	760	10
LGBR30L00840N-1-0-20.0N	3.74	30	840	11
LGBR30L00920N-1-0-20.0N	4.09	30	920	12
LGBR30L01000N-1-0-20.0N	4.45	30	1000	13
LGBR30L01080N-1-0-20.0N	4.81	30	1080	14
LGBR30L01160N-1-0-20.0N	5.16	30	1160	15
LGBR30L01240N-1-0-20.0N	5.52	30	1240	16
LGBR30L01320N-1-0-20.0N	5.87	30	1320	17
LGBR30L01400N-1-0-20.0N	6.23	30	1400	18
LGBR30L01480N-1-0-20.0N	6.59	30	1480	19
LGBR30L01560N-1-0-20.0N	6.94	30	1560	20
LGBR30L01640N-1-0-20.0N	7.3	30	1640	21
LGBR30L01720N-1-0-20.0N	7.65	30	1720	22
LGBR30L01800N-1-0-20.0N	8.01	30	1800	23
LGBR30L01880N-1-0-20.0N	8.37	30	1880	24
LGBR30L01960N-1-0-20.0N	8.72	30	1960	25
LGBR30L02040N-1-0-20.0N	9.08	30	2040	26
LGBR30L02200N-1-0-20.0N	9.79	30	2200	28
LGBR30L02360N-1-0-20.0N	10.5	30	2360	30
LGBR30L02520N-1-0-20.0N	11.21	30	2520	32
LGBR30L02680N-1-0-20.0N	11.93	30	2680	34
LGBR30L02840N-1-0-20.0N	12.64	30	2840	36
LGBR30L03000N-1-0-20.0N	13.35	30	3000	38
LGBR30L03160N-1-0-20.0N	14.06	30	3160	40
LGBR30L03320N-1-0-20.0N	14.77	30	3320	42
LGBR30L03480N-1-0-20.0N	15.49	30	3480	44
LGBR30L03640N-1-0-20.0N	16.2	30	3640	46
LGBR30L03800N-1-0-20.0N	16.91	30	3800	48
LGBR30L03960N-1-0-20.ON	17.62	30	3960	50
LGBR30L04000N-1-0-20.0N	17.8	30	4000	50



See **Linear Carriages – Page 891**

Linear Rail 35mm



- Dimension G1/G2 =20mm *(not symmetrical)*
- Pitch of holes = 60mm
- Ball type
- Normal accuracy
- Interchangeable specification
- Carbon Steel
- Matching Carriage

Matching Carriage Reference
LGBXH35FESSNZ1-N
LGBXH35FLSSNZ1-N
LGBXH35FNSSNZ1-N

Part No.	Weight (Kg)	Size (mm)	Length (mm)	No. of Holes
LGBR35L00280N-1-0-20.0N	1.75	35	280	4
LGBR35L00360N-1-0-20.0N	2.25	35	360	5
LGBR35L00440N-1-0-20.0N	2.75	35	440	6
LGBR35L00520N-1-0-20.0N	3.25	35	520	7
LGBR35L00600N-1-0-20.0N	3.75	35	600	8
LGBR35L00680N-1-0-20.0N	4.25	35	680	9
LGBR35L00760N-1-0-20.0N	4.75	35	760	10
LGBR35L00840N-1-0-20.0N	5.25	35	840	11
LGBR35L00920N-1-0-20.0N	5.75	35	920	12
LGBR35L01000N-1-0-20.0N	6.25	35	1000	13
LGBR35L01080N-1-0-20.0N	6.75	35	1080	14
LGBR35L01160N-1-0-20.0N	7.25	35	1160	15
LGBR35L01240N-1-0-20.0N	7.75	35	1240	16
LGBR35L01320N-1-0-20.0N	8.25	35	1320	17
LGBR35L01400N-1-0-20.0N	8.75	35	1400	18
LGBR35L01480N-1-0-20.0N	9.25	35	1480	19
LGBR35L01560N-1-0-20.0N	9.75	35	1560	20
LGBR35L01640N-1-0-20.0N	10.25	35	1640	21
LGBR35L01720N-1-0-20.0N	10.75	35	1720	22
LGBR35L01800N-1-0-20.0N	11.25	35	1800	23
LGBR35L01880N-1-0-20.0N	11.75	35	1880	24
LGBR35L01960N-1-0-20.0N	12.25	35	1960	25
LGBR35L02040N-1-0-20.0N	12.75	35	2040	26
LGBR35L02200N-1-0-20.0N	13.75	35	2200	28
LGBR35L02360N-1-0-20.0N	14.75	35	2360	30
LGBR35L02520N-1-0-20.0N	15.75	35	2520	32
LGBR35L02680N-1-0-20.0N	16.75	35	2680	34
LGBR35L02840N-1-0-20.0N	17.75	35	2840	36
LGBR35L03000N-1-0-20.0N	18.75	35	3000	38
LGBR35L03160N-1-0-20.0N	19.75	35	3160	40
LGBR35L03320N-1-0-20.0N	20.75	35	3320	42
LGBR35L03480N-1-0-20.0N	21.75	35	3480	44
LGBR35L03640N-1-0-20.0N	22.75	35	3640	46
LGBR35L03800N-1-0-20.0N	23.75	35	3800	48
LGBR35L03960N-1-0-20.0N	25.75	35	3960	50
LGBR35L04000N-1-0-20.0N	25	35	4000	50

Linear Rail 45mm



- Dimension G1/G2 =20mm *(not symmetrical)*
- Pitch of holes = 60mm
- Ball type
- Normal accuracy
- Interchangeable specification
- Carbon Steel
- Matching Carriage

Matching Carriage Reference
LGBXH45FESSNZ1-N
LGBXH45FNSSNZ1-N
LGBXS45BESSNZ1-N

Part No.	Weight (Kg)	Size (mm)	Length (mm)	No. of Holes
LGBR45L00360N-1-0-22.5N	3.46	45	360	4
LGBR45L00570N-1-0-22.5N	5.47	45	570	6
LGBR45L00675N-1-0-22.5N	6.48	45	675	7
LGBR45L00780N-1-0-22.5N	7.49	45	780	8
LGBR45L00885N-1-0-22.5N	8.5	45	885	9
LGBR45L00990N-1-0-22.5N	9.5	45	990	10
LGBR45L01095N-1-0-22.5N	10.51	45	1095	11
LGBR45L01200N-1-0-22.5N	11.52	45	1200	12
LGBR45L01305N-1-0-22.5N	12.53	45	1305	13
LGBR45L01410N-1-0-22.5N	13.54	45	1410	14
LGBR45L01515N-1-0-22.5N	14.54	45	1515	15
LGBR45L01620N-1-0-22.5N	15.55	45	1620	16
LGBR45L01725N-1-0-22.5N	16.56	45	1725	17
LGBR45L01830N-1-0-22.5N	17.57	45	1830	18
LGBR45L01935N-1-0-22.5N	18.58	45	1935	19
LGBR45L02040N-1-0-22.5N	19.58	45	2040	20
LGBR45L02145N-1-0-22.5N	20.59	45	2145	21
LGBR45L02250N-1-0-22.5N	21.6	45	2250	22
LGBR45L02355N-1-0-22.5N	22.61	45	2355	23
LGBR45L02460N-1-0-22.5N	23.62	45	2460	24
LGBR45L02565N-1-0-22.5N	24.62	45	2565	25
LGBR45L02775N-1-0-22.5N	26.64	45	2775	27
LGBR45L02880N-1-0-22.5N	27.65	45	2880	28
LGBR45L02985N-1-0-22.5N	28.66	45	2985	29
LGBR45L03090N-1-0-22.5N	29.66	45	3090	30
LGBR45L03195N-1-0-22.5N	30.67	45	3195	31
LGBR45L03300N-1-0-22.5N	31.68	45	3300	32
LGBR45L03405N-1-0-22.5N	32.69	45	3405	33
LGBR45L03510N-1-0-22.5N	33.7	45	3510	34
LGBR45L03615N-1-0-22.5N	34.7	45	3615	35
LGBR45L03720N-1-0-22.5N	35.71	45	3720	36
LGBR45L03825N-1-0-22.5N	36.72	45	3825	37
LGBR45L03930N-1-0-22.5N	37.73	45	3930	38
LGBR45L04000N-1-0-22.5N	38.4	45	4000	39



See IKO Ball Type Linear Way – Page 942

Linear Shaft 5mm



- Solid shafts
- Induction hardened heat treated Steel
- Surface hardness HRC 62 +/-2
- Material Grade CF53
- Shaft tolerance h6

Part No.	Weight (Kg)	Size (mm)	Length (mm)
W05-0050-0-00-00	0.0077	5	50
W05-0100-0-00-00	0.0154	5	100
W05-0150-0-00-00	0.0231	5	150
W05-0175-0-00-00	0.02695	5	175
W05-0200-0-00-00	0.0308	5	200
W05-0225-0-00-00	0.03465	5	225
W05-0250-0-00-00	0.0385	5	250
W05-0275-0-00-00	0.04235	5	275
W05-0300-0-00-00	0.0462	5	300
W05-0325-0-00-00	0.05005	5	325
W05-0350-0-00-00	0.0539	5	350
W05-0375-0-00-00	0.05775	5	375
W05-0400-0-00-00	0.0616	5	400
W05-0425-0-00-00	0.06545	5	425
W05-0450-0-00-00	0.0693	5	450
W05-0475-0-00-00	0.07315	5	475
W05-0500-0-00-00	0.077	5	500
W05-0525-0-00-00	0.08085	5	525
W05-0550-0-00-00	0.0847	5	550
W05-0575-0-00-00	0.08855	5	575
W05-0600-0-00-00	0.0924	5	600
W05-0625-0-00-00	0.09625	5	625
W05-0650-0-00-00	0.1001	5	650
W05-0675-0-00-00	0.10395	5	675
W05-0700-0-00-00	0.1078	5	700
W05-0725-0-00-00	0.11165	5	725
W05-0750-0-00-00	0.1155	5	750
W05-0775-0-00-00	0.11935	5	775

Part No.	Weight (Kg)	Size (mm)	Length (mm)
W05-0800-0-00-00	0.1232	5	800
W05-0825-0-00-00	0.12705	5	825
W05-0850-0-00-00	0.1309	5	850
W05-0875-0-00-00	0.13475	5	875
W05-0900-0-00-00	0.1386	5	900
W05-0925-0-00-00	0.14245	5	925
W05-0950-0-00-00	0.1463	5	950
W05-0975-0-00-00	0.15015	5	975
W05-1000-0-00-00	0.154	5	1000
W05-1025-0-00-00	0.15785	5	1025
W05-1050-0-00-00	0.1617	5	1050
W05-1075-0-00-00	0.16555	5	1075
W05-1100-0-00-00	0.1694	5	1100
W05-1125-0-00-00	0.17325	5	1125
W05-1150-0-00-00	0.1771	5	1150
W05-1175-0-00-00	0.18095	5	1175
W05-1200-0-00-00	0.1848	5	1200
W05-1225-0-00-00	0.18865	5	1225
W05-1250-0-00-00	0.1925	5	1250
W05-1275-0-00-00	0.19635	5	1275
W05-1300-0-00-00	0.2002	5	1300
W05-1325-0-00-00	0.20405	5	1325
W05-1350-0-00-00	0.2079	5	1350
W05-1375-0-00-00	0.21175	5	1375
W05-1400-0-00-00	0.2156	5	1400
W05-1425-0-00-00	0.21945	5	1425
W05-1450-0-00-00	0.2233	5	1450
W05-1475-0-00-00	0.22715	5	1475

Linear Shaft 5mm

Part No.	Weight (Kg)	Size (mm)	Length (mm)
W05-1500-0-00-00	0.231	5	1500
W05-1525-0-00-00	0.23485	5	1525
W05-1550-0-00-00	0.2387	5	1550
W05-1575-0-00-00	0.24255	5	1575
W05-1600-0-00-00	0.2464	5	1600
W05-1625-0-00-00	0.25025	5	1625
W05-1650-0-00-00	0.2541	5	1650
W05-1775-0-00-00	0.27335	5	1775
W05-1800-0-00-00	0.2772	5	1800
W05-1825-0-00-00	0.28105	5	1825
W05-1850-0-00-00	0.2849	5	1850
W05-1875-0-00-00	0.28875	5	1875
W05-1900-0-00-00	0.2926	5	1900
W05-1925-0-00-00	0.29645	5	1925
W05-1950-0-00-00	0.3003	5	1950
W05-1975-0-00-00	0.30415	5	1975
W05-2000-0-00-00	0.308	5	2000
W05-2025-0-00-00	0.31185	5	2025
W05-2050-0-00-00	0.3157	5	2050
W05-2075-0-00-00	0.31955	5	2075
W05-2100-0-00-00	0.3234	5	2100
W05-2125-0-00-00	0.32725	5	2125
W05-2150-0-00-00	0.3311	5	2150
W05-2175-0-00-00	0.33495	5	2175
W05-2200-0-00-00	0.3388	5	2200
W05-2225-0-00-00	0.34265	5	2225
W05-2250-0-00-00	0.3465	5	2250
W05-2275-0-00-00	0.35035	5	2275
W05-3000-0-00-00	0.462	5	3000
W05-3025-0-00-00	0.46585	5	3025
W05-3050-0-00-00	0.4697	5	3050
W05-3075-0-00-00	0.47355	5	3075
W05-3100-0-00-00	0.4774	5	3100
W05-3125-0-00-00	0.48125	5	3125
W05-3150-0-00-00	0.4851	5	3150
W05-3175-0-00-00	0.48895	5	3175
W05-3200-0-00-00	0.4928	5	3200
W05-3225-0-00-00	0.49665	5	3225
W05-3250-0-00-00	0.5005	5	3250
W05-3275-0-00-00	0.50435	5	3275

Part No.	Weight (Kg)	Size (mm)	Length (mm)
W05-3300-0-00-00	0.5082	5	3300
W05-3325-0-00-00	0.51205	5	3325
W05-3350-0-00-00	0.5159	5	3350
W05-3375-0-00-00	0.51975	5	3375
W05-3400-0-00-00	0.5236	5	3400
W05-3425-0-00-00	0.52745	5	3425
W05-3450-0-00-00	0.5313	5	3450
W05-3475-0-00-00	0.53515	5	3475
W05-3500-0-00-00	0.539	5	3500
W05-3525-0-00-00	0.54285	5	3525
W05-3550-0-00-00	0.5467	5	3550
W05-3575-0-00-00	0.55055	5	3575
W05-3600-0-00-00	0.5544	5	3600
W05-3625-0-00-00	0.55825	5	3625
W05-3650-0-00-00	0.5621	5	3650
W05-3675-0-00-00	0.56595	5	3675
W05-3700-0-00-00	0.5698	5	3700
W05-3725-0-00-00	0.57365	5	3725
W05-3750-0-00-00	0.5775	5	3750
W05-3775-0-00-00	0.58135	5	3775
W05-3800-0-00-00	0.5852	5	3800
W05-3825-0-00-00	0.58905	5	3825
W05-3850-0-00-00	0.5929	5	3850
W05-3875-0-00-00	0.59675	5	3875
W05-3900-0-00-00	0.6006	5	3900
W05-3925-0-00-00	0.60445	5	3925
W05-3950-0-00-00	0.6083	5	3950
W05-3975-0-00-00	0.61215	5	3975
W05-4000-0-00-00	0.616	5	4000

Linear Shaft 6mm



- Solid shafts
- Induction hardened heat treated Steel
- Surface hardness HRC 62 +/-2
- Material Grade CF53
- Shaft tolerance h6

Part No.	Weight (Kg)	Size (mm)	Length (mm)
W06-0050-0-00-00	0.0111	6	50
W06-0100-0-00-00	0.0222	6	100
W06-0150-0-00-00	0.0333	6	150
W06-0175-0-00-00	0.03885	6	175
W06-0200-0-00-00	0.0444	6	200
W06-0225-0-00-00	0.04995	6	225
W06-0250-0-00-00	0.0555	6	250
W06-0275-0-00-00	0.06105	6	275
W06-0300-0-00-00	0.0666	6	300
W06-0325-0-00-00	0.07215	6	325
W06-0350-0-00-00	0.0777	6	350
W06-0375-0-00-00	0.08325	6	375
W06-0400-0-00-00	0.0888	6	400
W06-0425-0-00-00	0.09435	6	425
W06-0450-0-00-00	0.0999	6	450
W06-0475-0-00-00	0.10545	6	475
W06-0500-0-00-00	0.111	6	500
W06-0525-0-00-00	0.11655	6	525
W06-0550-0-00-00	0.1221	6	550
W06-0575-0-00-00	0.12765	6	575
W06-0600-0-00-00	0.1332	6	600
W06-0625-0-00-00	0.13875	6	625
W06-0650-0-00-00	0.1443	6	650
W06-0675-0-00-00	0.14985	6	675
W06-0700-0-00-00	0.1554	6	700
W06-0725-0-00-00	0.16095	6	725
W06-0750-0-00-00	0.1665	6	750
W06-0775-0-00-00	0.17205	6	775

Part No.	Weight (Kg)	Size (mm)	Length (mm)
W06-0800-0-00-00	0.1776	6	800
W06-0825-0-00-00	0.18315	6	825
W06-0850-0-00-00	0.1887	6	850
W06-0875-0-00-00	0.19425	6	875
W06-0900-0-00-00	0.1998	6	900
W06-0925-0-00-00	0.20535	6	925
W06-0950-0-00-00	0.2109	6	950
W06-0975-0-00-00	0.21645	6	975
W06-1000-0-00-00	0.222	6	1000
W06-1025-0-00-00	0.22755	6	1025
W06-1050-0-00-00	0.2331	6	1050
W06-1075-0-00-00	0.23865	6	1075
W06-1100-0-00-00	0.2442	6	1100
W06-1125-0-00-00	0.24975	6	1125
W06-1150-0-00-00	0.2553	6	1150
W06-1175-0-00-00	0.26085	6	1175
W06-1200-0-00-00	0.2664	6	1200
W06-1225-0-00-00	0.27195	6	1225
W06-1250-0-00-00	0.2775	6	1250
W06-1275-0-00-00	0.28305	6	1275
W06-1300-0-00-00	0.2886	6	1300
W06-1325-0-00-00	0.29415	6	1325
W06-1350-0-00-00	0.2997	6	1350
W06-1375-0-00-00	0.30525	6	1375
W06-1400-0-00-00	0.3108	6	1400
W06-1425-0-00-00	0.31635	6	1425
W06-1450-0-00-00	0.3219	6	1450
W06-1475-0-00-00	0.32745	6	1475

Linear Shaft 6mm

Part No.	Weight (Kg)	Size (mm)	Length (mm)
W06-1500-0-00-00	0.333	6	1500
W06-1525-0-00-00	0.33855	6	1525
W06-1550-0-00-00	0.3441	6	1550
W06-1575-0-00-00	0.34965	6	1575
W06-1600-0-00-00	0.3552	6	1600
W06-1625-0-00-00	0.36075	6	1625
W06-1650-0-00-00	0.3663	6	1650
W06-1775-0-00-00	0.39405	6	1775
W06-1800-0-00-00	0.3996	6	1800
W06-1825-0-00-00	0.40515	6	1825
W06-1850-0-00-00	0.4107	6	1850
W06-1875-0-00-00	0.41625	6	1875
W06-1900-0-00-00	0.4218	6	1900
W06-1925-0-00-00	0.42735	6	1925
W06-1950-0-00-00	0.4329	6	1950
W06-1975-0-00-00	0.43845	6	1975
W06-2000-0-00-00	0.444	6	2000
W06-2025-0-00-00	0.44955	6	2025
W06-2050-0-00-00	0.4551	6	2050
W06-2075-0-00-00	0.46065	6	2075
W06-2100-0-00-00	0.4662	6	2100
W06-2125-0-00-00	0.47175	6	2125
W06-2150-0-00-00	0.4773	6	2150
W06-2175-0-00-00	0.48285	6	2175
W06-2200-0-00-00	0.4884	6	2200
W06-2225-0-00-00	0.49395	6	2225
W06-2250-0-00-00	0.4995	6	2250
W06-2275-0-00-00	0.50505	6	2275
W06-2300-0-00-00	0.5106	6	2300
W06-3000-0-00-00	0.666	6	3000
W06-3025-0-00-00	0.67155	6	3025
W06-3050-0-00-00	0.6771	6	3050
W06-3075-0-00-00	0.68265	6	3075
W06-3100-0-00-00	0.6882	6	3100
W06-3125-0-00-00	0.69375	6	3125
W06-3150-0-00-00	0.6993	6	3150
W06-3175-0-00-00	0.70485	6	3175
W06-3200-0-00-00	0.7104	6	3200
W06-3225-0-00-00	0.71595	6	3225
W06-3250-0-00-00	0.7215	6	3250

Part No.	Weight (Kg)	Size (mm)	Length (mm)
W06-3275-0-00-00	0.72705	6	3275
W06-3300-0-00-00	0.7326	6	3300
W06-3325-0-00-00	0.73815	6	3325
W06-3350-0-00-00	0.7437	6	3350
W06-3375-0-00-00	0.74925	6	3375
W06-3400-0-00-00	0.7548	6	3400
W06-3425-0-00-00	0.76035	6	3425
W06-3450-0-00-00	0.7659	6	3450
W06-3475-0-00-00	0.77145	6	3475
W06-3500-0-00-00	0.777	6	3500
W06-3525-0-00-00	0.78255	6	3525
W06-3550-0-00-00	0.7881	6	3550
W06-3575-0-00-00	0.79365	6	3575
W06-3600-0-00-00	0.7992	6	3600
W06-3625-0-00-00	0.80475	6	3625
W06-3650-0-00-00	0.8103	6	3650
W06-3675-0-00-00	0.81585	6	3675
W06-3700-0-00-00	0.8214	6	3700
W06-3725-0-00-00	0.82695	6	3725
W06-3750-0-00-00	0.8325	6	3750
W06-3775-0-00-00	0.83805	6	3775
W06-3800-0-00-00	0.8436	6	3800
W06-3825-0-00-00	0.84915	6	3825
W06-3850-0-00-00	0.8547	6	3850
W06-3875-0-00-00	0.86025	6	3875
W06-3900-0-00-00	0.8658	6	3900
W06-3925-0-00-00	0.87135	6	3925
W06-3950-0-00-00	0.8769	6	3950
W06-3975-0-00-00	0.88245	6	3975
W06-4000-0-00-00	0.888	6	4000

Linear Shaft 8mm



- Solid shafts
- Induction hardened heat treated Steel
- Surface hardness HRC 62 +/-2
- Material Grade CF53
- Shaft tolerance h6
- Matching Ball Bushings available (See Page 924)

Part No.	Weight (Kg)	Size (mm)	Length (mm)
W08-0050-0-00-00	0.01975	8	50
W08-0100-0-00-00	0.0395	8	100
W08-0150-0-00-00	0.05925	8	150
W08-0175-0-00-00	0.069125	8	175
W08-0200-0-00-00	0.079	8	200
W08-0225-0-00-00	0.088875	8	225
W08-0250-0-00-00	0.09875	8	250
W08-0275-0-00-00	0.108625	8	275
W08-0300-0-00-00	0.1185	8	300
W08-0325-0-00-00	0.128375	8	325
W08-0350-0-00-00	0.13825	8	350
W08-0375-0-00-00	0.148125	8	375
W08-0400-0-00-00	0.158	8	400
W08-0425-0-00-00	0.167875	8	425
W08-0450-0-00-00	0.17775	8	450
W08-0475-0-00-00	0.187625	8	475
W08-0500-0-00-00	0.1975	8	500
W08-0525-0-00-00	0.207375	8	525
W08-0550-0-00-00	0.21725	8	550
W08-0575-0-00-00	0.227125	8	575
W08-0600-0-00-00	0.237	8	600
W08-0625-0-00-00	0.246875	8	625
W08-0650-0-00-00	0.25675	8	650
W08-0675-0-00-00	0.266625	8	675
W08-0700-0-00-00	0.2765	8	700
W08-0725-0-00-00	0.286375	8	725
W08-0750-0-00-00	0.29625	8	750
W08-0775-0-00-00	0.306125	8	775

Part No.	Weight (Kg)	Size (mm)	Length (mm)
W08-0800-0-00-00	0.316	8	800
W08-0825-0-00-00	0.325875	8	825
W08-0850-0-00-00	0.33575	8	850
W08-0875-0-00-00	0.345625	8	875
W08-0900-0-00-00	0.3555	8	900
W08-0925-0-00-00	0.365375	8	925
W08-0950-0-00-00	0.37525	8	950
W08-0975-0-00-00	0.385125	8	975
W08-1000-0-00-00	0.395	8	1000
W08-1025-0-00-00	0.404875	8	1025
W08-1050-0-00-00	0.41475	8	1050
W08-1075-0-00-00	0.424625	8	1075
W08-1100-0-00-00	0.4345	8	1100
W08-1125-0-00-00	0.444375	8	1125
W08-1150-0-00-00	0.45425	8	1150
W08-1175-0-00-00	0.464125	8	1175
W08-1200-0-00-00	0.474	8	1200
W08-1225-0-00-00	0.483875	8	1225
W08-1250-0-00-00	0.49375	8	1250
W08-1275-0-00-00	0.503625	8	1275
W08-1300-0-00-00	0.5135	8	1300
W08-1325-0-00-00	0.523375	8	1325
W08-1350-0-00-00	0.53325	8	1350
W08-1375-0-00-00	0.543125	8	1375
W08-1400-0-00-00	0.553	8	1400
W08-1425-0-00-00	0.562875	8	1425
W08-1450-0-00-00	0.57275	8	1450
W08-1475-0-00-00	0.582625	8	1475

Linear Shaft 8mm

NTN
Make the world NAMERAKA

Part No.	Weight (Kg)	Size (mm)	Length (mm)
W08-1500-0-00-00	0.5925	8	1500
W08-1525-0-00-00	0.602375	8	1525
W08-1550-0-00-00	0.61225	8	1550
W08-1575-0-00-00	0.622125	8	1575
W08-1600-0-00-00	0.632	8	1600
W08-1625-0-00-00	0.641875	8	1625
W08-1650-0-00-00	0.65175	8	1650
W08-1775-0-00-00	0.701125	8	1775
W08-1800-0-00-00	0.711	8	1800
W08-1825-0-00-00	0.720875	8	1825
W08-1850-0-00-00	0.73075	8	1850
W08-1875-0-00-00	0.740625	8	1875
W08-1900-0-00-00	0.7505	8	1900
W08-1925-0-00-00	0.760375	8	1925
W08-1950-0-00-00	0.77025	8	1950
W08-1975-0-00-00	0.780125	8	1975
W08-2000-0-00-00	0.79	8	2000
W08-2025-0-00-00	0.799875	8	2025
W08-2050-0-00-00	0.80975	8	2050
W08-2075-0-00-00	0.819625	8	2075
W08-2100-0-00-00	0.8295	8	2100
W08-2125-0-00-00	0.839375	8	2125
W08-2150-0-00-00	0.84925	8	2150
W08-2175-0-00-00	0.859125	8	2175
W08-2200-0-00-00	0.869	8	2200
W08-2225-0-00-00	0.878875	8	2225
W08-2250-0-00-00	0.88875	8	2250
W08-2275-0-00-00	0.898625	8	2275
W08-2300-0-00-00	0.9085	8	2300
W08-3000-0-00-00	1.185	8	3000
W08-3025-0-00-00	1.194875	8	3025
W08-3050-0-00-00	1.20475	8	3050
W08-3075-0-00-00	1.214625	8	3075
W08-3100-0-00-00	1.2245	8	3100
W08-3125-0-00-00	1.234375	8	3125
W08-3150-0-00-00	1.24425	8	3150
W08-3175-0-00-00	1.254125	8	3175
W08-3200-0-00-00	1.264	8	3200
W08-3225-0-00-00	1.273875	8	3225
W08-3250-0-00-00	1.28375	8	3250
W08-3275-0-00-00	1.293625	8	3275

Part No.	Weight (Kg)	Size (mm)	Length (mm)
W08-3300-0-00-00	1.3035	8	3300
W08-3325-0-00-00	1.313375	8	3325
W08-3350-0-00-00	1.32325	8	3350
W08-3375-0-00-00	1.333125	8	3375
W08-3400-0-00-00	1.343	8	3400
W08-3425-0-00-00	1.352875	8	3425
W08-3450-0-00-00	1.36275	8	3450
W08-3475-0-00-00	1.372625	8	3475
W08-3500-0-00-00	1.3825	8	3500
W08-3525-0-00-00	1.392375	8	3525
W08-3550-0-00-00	1.40225	8	3550
W08-3575-0-00-00	1.412125	8	3575
W08-3600-0-00-00	1.422	8	3600
W08-3625-0-00-00	1.431875	8	3625
W08-3650-0-00-00	1.44175	8	3650
W08-3675-0-00-00	1.451625	8	3675
W08-3700-0-00-00	1.4615	8	3700
W08-3725-0-00-00	1.471375	8	3725
W08-3750-0-00-00	1.48125	8	3750
W08-3775-0-00-00	1.491125	8	3775
W08-3800-0-00-00	1.501	8	3800
W08-3825-0-00-00	1.510875	8	3825
W08-3850-0-00-00	1.52075	8	3850
W08-3875-0-00-00	1.530625	8	3875
W08-3900-0-00-00	1.5405	8	3900
W08-3925-0-00-00	1.550375	8	3925
W08-3950-0-00-00	1.56025	8	3950
W08-3975-0-00-00	1.570125	8	3975
W08-4000-0-00-00	1.58	8	4000

Matching Ball Bushings

NTN	IKO
BBE8UU	LME81625NUU



See Ball Bushings – Page 924

Linear Shaft 10mm



- Solid shafts
- Induction hardened heat treated Steel
- Surface hardness HRC 62 +/-2
- Material Grade CF53
- Shaft tolerance h6

Part No.	Weight (Kg)	Size (mm)	Length (mm)
W10-0050-0-00-00	0.03085	10	50
W10-0100-0-00-00	0.0617	10	100
W10-0125-0-00-00	0.077125	10	125
W10-0150-0-00-00	0.09255	10	150
W10-0175-0-00-00	0.107975	10	175
W10-0200-0-00-00	0.1234	10	200
W10-0225-0-00-00	0.138825	10	225
W10-0250-0-00-00	0.15425	10	250
W10-0275-0-00-00	0.169675	10	275
W10-0300-0-00-00	0.1851	10	300
W10-0325-0-00-00	0.200525	10	325
W10-0350-0-00-00	0.21595	10	350
W10-0375-0-00-00	0.231375	10	375
W10-0400-0-00-00	0.2468	10	400
W10-0425-0-00-00	0.262225	10	425
W10-0450-0-00-00	0.27765	10	450
W10-0475-0-00-00	0.293075	10	475
W10-0500-0-00-00	0.3085	10	500
W10-0525-0-00-00	0.323925	10	525
W10-0550-0-00-00	0.33935	10	550
W10-0575-0-00-00	0.354775	10	575
W10-0600-0-00-00	0.3702	10	600
W10-0625-0-00-00	0.385625	10	625
W10-0650-0-00-00	0.40105	10	650
W10-0675-0-00-00	0.416475	10	675
W10-0700-0-00-00	0.4319	10	700
W10-0725-0-00-00	0.447325	10	725
W10-0750-0-00-00	0.46275	10	750

Part No.	Weight (Kg)	Size (mm)	Length (mm)
W10-0775-0-00-00	0.478175	10	775
W10-0800-0-00-00	0.4936	10	800
W10-0825-0-00-00	0.509025	10	825
W10-0850-0-00-00	0.52445	10	850
W10-0875-0-00-00	0.539875	10	875
W10-0900-0-00-00	0.5553	10	900
W10-0925-0-00-00	0.570725	10	925
W10-0950-0-00-00	0.58615	10	950
W10-0975-0-00-00	0.601575	10	975
W10-1000-0-00-00	0.617	10	1000
W10-1025-0-00-00	0.632425	10	1025
W10-1050-0-00-00	0.64785	10	1050
W10-1075-0-00-00	0.663275	10	1075
W10-1100-0-00-00	0.6787	10	1100
W10-1125-0-00-00	0.694125	10	1125
W10-1150-0-00-00	0.70955	10	1150
W10-1175-0-00-00	0.724975	10	1175
W10-1200-0-00-00	0.7404	10	1200
W10-1225-0-00-00	0.755825	10	1225
W10-1250-0-00-00	0.77125	10	1250
W10-1275-0-00-00	0.786675	10	1275
W10-1300-0-00-00	0.8021	10	1300
W10-1325-0-00-00	0.817525	10	1325
W10-1350-0-00-00	0.83295	10	1350
W10-1375-0-00-00	0.848375	10	1375
W10-1400-0-00-00	0.8638	10	1400
W10-1425-0-00-00	0.879225	10	1425
W10-1450-0-00-00	0.89465	10	1450

Linear Shaft 10mm

Part No.	Weight (Kg)	Size (mm)	Length (mm)
W10-1475-0-00-00	0.910075	10	1475
W10-1500-0-00-00	0.9255	10	1500
W10-1525-0-00-00	0.940925	10	1525
W10-1550-0-00-00	0.95635	10	1550
W10-1575-0-00-00	0.971775	10	1575
W10-1600-0-00-00	0.9872	10	1600
W10-1625-0-00-00	1.002625	10	1625
W10-1650-0-00-00	1.01805	10	1650
W10-1775-0-00-00	1.095175	10	1775
W10-1800-0-00-00	1.1106	10	1800
W10-1825-0-00-00	1.126025	10	1825
W10-1850-0-00-00	1.14145	10	1850
W10-1875-0-00-00	1.156875	10	1875
W10-1900-0-00-00	1.1723	10	1900
W10-1925-0-00-00	1.187725	10	1925
W10-1950-0-00-00	1.20315	10	1950
W10-1975-0-00-00	1.218575	10	1975
W10-2000-0-00-00	1.234	10	2000
W10-2025-0-00-00	1.249425	10	2025
W10-2050-0-00-00	1.26485	10	2050
W10-2075-0-00-00	1.280275	10	2075
W10-2100-0-00-00	1.2957	10	2100
W10-2125-0-00-00	1.311125	10	2125
W10-2150-0-00-00	1.32655	10	2150
W10-2175-0-00-00	1.341975	10	2175
W10-2200-0-00-00	1.3574	10	2200
W10-2225-0-00-00	1.372825	10	2225
W10-2250-0-00-00	1.38825	10	2250
W10-2275-0-00-00	1.403675	10	2275
W10-2300-0-00-00	1.4191	10	2300
W10-3000-0-00-00	1.851	10	3000
W10-3025-0-00-00	1.866425	10	3025
W10-3050-0-00-00	1.88185	10	3050
W10-3075-0-00-00	1.897275	10	3075
W10-3100-0-00-00	1.9127	10	3100
W10-3125-0-00-00	1.928125	10	3125
W10-3150-0-00-00	1.94355	10	3150
W10-3175-0-00-00	1.958975	10	3175
W10-3200-0-00-00	1.9744	10	3200
W10-3225-0-00-00	1.989825	10	3225

Part No.	Weight (Kg)	Size (mm)	Length (mm)
W10-3250-0-00-00	2.00525	10	3250
W10-3275-0-00-00	2.020675	10	3275
W10-3300-0-00-00	2.0361	10	3300
W10-3325-0-00-00	2.051525	10	3325
W10-3350-0-00-00	2.06695	10	3350
W10-3375-0-00-00	2.082375	10	3375
W10-3400-0-00-00	2.0978	10	3400
W10-3425-0-00-00	2.113225	10	3425
W10-3450-0-00-00	2.12865	10	3450
W10-3475-0-00-00	2.144075	10	3475
W10-3500-0-00-00	2.1595	10	3500
W10-3525-0-00-00	2.174925	10	3525
W10-3550-0-00-00	2.19035	10	3550
W10-3575-0-00-00	2.205775	10	3575
W10-3600-0-00-00	2.2212	10	3600
W10-3625-0-00-00	2.236625	10	3625
W10-3650-0-00-00	2.25205	10	3650
W10-3675-0-00-00	2.267475	10	3675
W10-3700-0-00-00	2.2829	10	3700
W10-3725-0-00-00	2.298325	10	3725
W10-3750-0-00-00	2.31375	10	3750
W10-3775-0-00-00	2.329175	10	3775
W10-3800-0-00-00	2.3446	10	3800
W10-3825-0-00-00	2.360025	10	3825
W10-3850-0-00-00	2.37545	10	3850
W10-3875-0-00-00	2.390875	10	3875
W10-3900-0-00-00	2.4063	10	3900
W10-3925-0-00-00	2.421725	10	3925
W10-3950-0-00-00	2.43715	10	3950
W10-3975-0-00-00	2.452575	10	3975
W10-4000-0-00-00	2.468	10	4000

Linear Shaft 12mm



- Solid shafts
- Induction hardened heat treated Steel
- Surface hardness HRC 62 +/-2
- Material Grade CF53
- Shaft tolerance h6
- Matching Ball Bushings available (See Page 924)

Part No.	Weight (Kg)	Size (mm)	Length (mm)
W12-0050-0-00-00	0.0444	12	50
W12-0100-0-00-00	0.0888	12	100
W12-0150-0-00-00	0.1332	12	150
W12-0175-0-00-00	0.1554	12	175
W12-0200-0-00-00	0.1776	12	200
W12-0225-0-00-00	0.1998	12	225
W12-0250-0-00-00	0.222	12	250
W12-0275-0-00-00	0.2442	12	275
W12-0300-0-00-00	0.2664	12	300
W12-0325-0-00-00	0.2886	12	325
W12-0350-0-00-00	0.3108	12	350
W12-0375-0-00-00	0.333	12	375
W12-0400-0-00-00	0.3552	12	400
W12-0425-0-00-00	0.3774	12	425
W12-0450-0-00-00	0.3996	12	450
W12-0475-0-00-00	0.4218	12	475
W12-0500-0-00-00	0.444	12	500
W12-0525-0-00-00	0.4662	12	525
W12-0550-0-00-00	0.4884	12	550
W12-0575-0-00-00	0.5106	12	575
W12-0600-0-00-00	0.5328	12	600
W12-0625-0-00-00	0.555	12	625
W12-0650-0-00-00	0.5772	12	650
W12-0675-0-00-00	0.5994	12	675
W12-0700-0-00-00	0.6216	12	700
W12-0725-0-00-00	0.6438	12	725
W12-0750-0-00-00	0.666	12	750
W12-0775-0-00-00	0.6882	12	775

Part No.	Weight (Kg)	Size (mm)	Length (mm)
W12-0800-0-00-00	0.7104	12	800
W12-0825-0-00-00	0.7326	12	825
W12-0850-0-00-00	0.7548	12	850
W12-0875-0-00-00	0.777	12	875
W12-0900-0-00-00	0.7992	12	900
W12-0925-0-00-00	0.8214	12	925
W12-0950-0-00-00	0.8436	12	950
W12-0975-0-00-00	0.8658	12	975
W12-1000-0-00-00	0.888	12	1000
W12-1025-0-00-00	0.9102	12	1025
W12-1050-0-00-00	0.9324	12	1050
W12-1075-0-00-00	0.9546	12	1075
W12-1100-0-00-00	0.9768	12	1100
W12-1125-0-00-00	0.999	12	1125
W12-1150-0-00-00	1.0212	12	1150
W12-1175-0-00-00	1.0434	12	1175
W12-1200-0-00-00	1.0656	12	1200
W12-1225-0-00-00	1.0878	12	1225
W12-1250-0-00-00	1.11	12	1250
W12-1275-0-00-00	1.1322	12	1275
W12-1300-0-00-00	1.1544	12	1300
W12-1325-0-00-00	1.1766	12	1325
W12-1350-0-00-00	1.1988	12	1350
W12-1375-0-00-00	1.221	12	1375
W12-1400-0-00-00	1.2432	12	1400
W12-1425-0-00-00	1.2654	12	1425
W12-1450-0-00-00	1.2876	12	1450
W12-1475-0-00-00	1.3098	12	1475

Linear Shaft 12mm

24 924

Part No.	Weight (Kg)	Size (mm)	Length (mm)
W12-1500-0-00-00	1.332	12	1500
W12-1525-0-00-00	1.3542	12	1525
W12-1550-0-00-00	1.3764	12	1550
W12-1575-0-00-00	1.3986	12	1575
W12-1600-0-00-00	1.4208	12	1600
W12-1625-0-00-00	1.443	12	1625
W12-1650-0-00-00	1.4652	12	1650
W12-1775-0-00-00	1.5762	12	1775
W12-1800-0-00-00	1.5984	12	1800
W12-1825-0-00-00	1.6206	12	1825
W12-1850-0-00-00	1.6428	12	1850
W12-1875-0-00-00	1.665	12	1875
W12-1900-0-00-00	1.6872	12	1900
W12-1925-0-00-00	1.7094	12	1925
W12-1950-0-00-00	1.7316	12	1950
W12-1975-0-00-00	1.7538	12	1975
W12-2000-0-00-00	1.776	12	2000
W12-2025-0-00-00	1.7982	12	2025
W12-2050-0-00-00	1.8204	12	2050
W12-2075-0-00-00	1.8426	12	2075
W12-2100-0-00-00	1.8648	12	2100
W12-2125-0-00-00	1.887	12	2125
W12-2150-0-00-00	1.9092	12	2150
W12-2175-0-00-00	1.9314	12	2175
W12-2200-0-00-00	1.9536	12	2200
W12-2225-0-00-00	1.9758	12	2225
W12-2250-0-00-00	1.998	12	2250
W12-2275-0-00-00	2.0202	12	2275
W12-2300-0-00-00	2.0424	12	2300
W12-3000-0-00-00	2.664	12	3000
W12-3025-0-00-00	2.6862	12	3025
W12-3050-0-00-00	2.7084	12	3050
W12-3075-0-00-00	2.7306	12	3075
W12-3100-0-00-00	2.7528	12	3100
W12-3125-0-00-00	2.775	12	3125
W12-3150-0-00-00	2.7972	12	3150
W12-3175-0-00-00	2.8194	12	3175
W12-3200-0-00-00	2.8416	12	3200
W12-3225-0-00-00	2.8638	12	3225
W12-3250-0-00-00	2.886	12	3250
W12-3275-0-00-00	2.9082	12	3275

Part No.	Weight (Kg)	Size (mm)	Length (mm)
W12-3300-0-00-00	2.9304	12	3300
W12-3325-0-00-00	2.9526	12	3325
W12-3350-0-00-00	2.9748	12	3350
W12-3375-0-00-00	2.997	12	3375
W12-3400-0-00-00	3.0192	12	3400
W12-3425-0-00-00	3.0414	12	3425
W12-3450-0-00-00	3.0636	12	3450
W12-3475-0-00-00	3.0858	12	3475
W12-3500-0-00-00	3.108	12	3500
W12-3525-0-00-00	3.1302	12	3525
W12-3550-0-00-00	3.1524	12	3550
W12-3575-0-00-00	3.1746	12	3575
W12-3600-0-00-00	3.1968	12	3600
W12-3625-0-00-00	3.219	12	3625
W12-3650-0-00-00	3.2412	12	3650
W12-3675-0-00-00	3.2634	12	3675
W12-3700-0-00-00	3.2856	12	3700
W12-3725-0-00-00	3.3078	12	3725
W12-3750-0-00-00	3.33	12	3750
W12-3775-0-00-00	3.3522	12	3775
W12-3800-0-00-00	3.3744	12	3800
W12-3825-0-00-00	3.3966	12	3825
W12-3850-0-00-00	3.4188	12	3850
W12-3875-0-00-00	3.441	12	3875
W12-3900-0-00-00	3.4632	12	3900
W12-3925-0-00-00	3.4854	12	3925
W12-3950-0-00-00	3.5076	12	3950
W12-3975-0-00-00	3.5298	12	3975
W12-4000-0-00-00	3.552	12	400

Matching Ball Bushings

NTN	IKO
BBE12UU	LME122232NUU



See Ball Bushings – Page 924

Linear Shaft 16mm



- Solid shafts
- Induction hardened heat treated Steel
- Surface hardness HRC 62 +/-2
- Material Grade CF53
- Shaft tolerance h6
- Matching Ball Bushings available (See Page 924)

Part No.	Weight (Kg)	Size (mm)	Length (mm)
W16-0050-0-00-00	0.0789	16	50
W16-0100-0-00-00	0.1578	16	100
W16-0150-0-00-00	0.2367	16	150
W16-0175-0-00-00	0.27615	16	175
W16-0200-0-00-00	0.3156	16	200
W16-0225-0-00-00	0.35505	16	225
W16-0250-0-00-00	0.3945	16	250
W16-0275-0-00-00	0.43395	16	275
W16-0300-0-00-00	0.4734	16	300
W16-0325-0-00-00	0.51285	16	325
W16-0350-0-00-00	0.5523	16	350
W16-0375-0-00-00	0.59175	16	375
W16-0400-0-00-00	0.6312	16	400
W16-0425-0-00-00	0.67065	16	425
W16-0450-0-00-00	0.7101	16	450
W16-0475-0-00-00	0.74955	16	475
W16-0500-0-00-00	0.789	16	500
W16-0525-0-00-00	0.82845	16	525
W16-0550-0-00-00	0.8679	16	550
W16-0575-0-00-00	0.90735	16	575
W16-0600-0-00-00	0.9468	16	600
W16-0625-0-00-00	0.98625	16	625
W16-0650-0-00-00	1.0257	16	650
W16-0675-0-00-00	1.06515	16	675
W16-0700-0-00-00	1.1046	16	700
W16-0725-0-00-00	1.14405	16	725
W16-0750-0-00-00	1.1835	16	750
W16-0775-0-00-00	1.22295	16	775

Part No.	Weight (Kg)	Size (mm)	Length (mm)
W16-0800-0-00-00	1.2624	16	800
W16-0825-0-00-00	1.30185	16	825
W16-0850-0-00-00	1.3413	16	850
W16-0875-0-00-00	1.38075	16	875
W16-0900-0-00-00	1.4202	16	900
W16-0925-0-00-00	1.45965	16	925
W16-0950-0-00-00	1.4991	16	950
W16-0975-0-00-00	1.53855	16	975
W16-1000-0-00-00	1.578	16	1000
W16-1025-0-00-00	1.61745	16	1025
W16-1050-0-00-00	1.6569	16	1050
W16-1075-0-00-00	1.69635	16	1075
W16-1100-0-00-00	1.7358	16	1100
W16-1125-0-00-00	1.77525	16	1125
W16-1150-0-00-00	1.8147	16	1150
W16-1175-0-00-00	1.85415	16	1175
W16-1200-0-00-00	1.8936	16	1200
W16-1225-0-00-00	1.93305	16	1225
W16-1250-0-00-00	1.9725	16	1250
W16-1275-0-00-00	2.01195	16	1275
W16-1300-0-00-00	2.0514	16	1300
W16-1325-0-00-00	2.09085	16	1325
W16-1350-0-00-00	2.1303	16	1350
W16-1375-0-00-00	2.16975	16	1375
W16-1400-0-00-00	2.2092	16	1400
W16-1425-0-00-00	2.24865	16	1425
W16-1450-0-00-00	2.2881	16	1450
W16-1475-0-00-00	2.32755	16	1475

Linear Shaft 16mm

Part No.	Weight (Kg)	Size (mm)	Length (mm)
W16-1500-0-00-00	2.367	16	1500
W16-1525-0-00-00	2.40645	16	1525
W16-1550-0-00-00	2.4459	16	1550
W16-1575-0-00-00	2.48535	16	1575
W16-1600-0-00-00	2.5248	16	1600
W16-1625-0-00-00	2.56425	16	1625
W16-1650-0-00-00	2.6037	16	1650
W16-1775-0-00-00	2.80095	16	1775
W16-1800-0-00-00	2.8404	16	1800
W16-1825-0-00-00	2.87985	16	1825
W16-1850-0-00-00	2.9193	16	1850
W16-1875-0-00-00	2.95875	16	1875
W16-1900-0-00-00	2.9982	16	1900
W16-1925-0-00-00	3.03765	16	1925
W16-1950-0-00-00	3.0771	16	1950
W16-1975-0-00-00	3.11655	16	1975
W16-2000-0-00-00	3.156	16	2000
W16-2025-0-00-00	3.19545	16	2025
W16-2050-0-00-00	3.2349	16	2050
W16-2075-0-00-00	3.27435	16	2075
W16-2100-0-00-00	3.3138	16	2100
W16-2125-0-00-00	3.35325	16	2125
W16-2150-0-00-00	3.3927	16	2150
W16-2175-0-00-00	3.43215	16	2175
W16-2200-0-00-00	3.4716	16	2200
W16-2225-0-00-00	3.51105	16	2225
W16-2250-0-00-00	3.5505	16	2250
W16-2275-0-00-00	3.58995	16	2275
W16-2300-0-00-00	3.6294	16	2300
W16-3000-0-00-00	4.734	16	3000
W16-3025-0-00-00	4.77345	16	3025
W16-3050-0-00-00	4.8129	16	3050
W16-3075-0-00-00	4.85235	16	3075
W16-3100-0-00-00	4.8918	16	3100
W16-3125-0-00-00	4.93125	16	3125
W16-3150-0-00-00	4.9707	16	3150
W16-3175-0-00-00	5.01015	16	3175
W16-3200-0-00-00	5.0496	16	3200
W16-3225-0-00-00	5.08905	16	3225
W16-3250-0-00-00	5.1285	16	3250
W16-3275-0-00-00	5.16795	16	3275

Part No.	Weight (Kg)	Size (mm)	Length (mm)
W16-3300-0-00-00	5.2074	16	3300
W16-3325-0-00-00	5.24685	16	3325
W16-3350-0-00-00	5.2863	16	3350
W16-3375-0-00-00	5.32575	16	3375
W16-3400-0-00-00	5.3652	16	3400
W16-3425-0-00-00	5.40465	16	3425
W16-3450-0-00-00	5.4441	16	3450
W16-3475-0-00-00	5.48355	16	3475
W16-3500-0-00-00	5.523	16	3500
W16-3525-0-00-00	5.56245	16	3525
W16-3550-0-00-00	5.6019	16	3550
W16-3575-0-00-00	5.64135	16	3575
W16-3600-0-00-00	5.6808	16	3600
W16-3625-0-00-00	5.72025	16	3625
W16-3650-0-00-00	5.7597	16	3650
W16-3675-0-00-00	5.79915	16	3675
W16-3700-0-00-00	5.8386	16	3700
W16-3725-0-00-00	5.87805	16	3725
W16-3750-0-00-00	5.9175	16	3750
W16-3775-0-00-00	5.95695	16	3775
W16-3800-0-00-00	5.9964	16	3800
W16-3825-0-00-00	6.03585	16	3825
W16-3850-0-00-00	6.0753	16	3850
W16-3875-0-00-00	6.11475	16	3875
W16-3900-0-00-00	6.1542	16	3900
W16-3925-0-00-00	6.19365	16	3925
W16-3950-0-00-00	6.2331	16	3950
W16-3975-0-00-00	6.27255	16	3975
W16-4000-0-00-00	6.312	16	4000

Matching Ball Bushings

NTN	IKO
KH1630	LK1630
BBET16UU	LME162636UU
BBE16UU	LME162636NUU



See Ball Bushings – Page 924

Linear Shaft 20mm



- Solid shafts
- Induction hardened heat treated Steel
- Surface hardness HRC 62 +/-2
- Material Grade CF53
- Shaft tolerance h6
- Matching Ball Bushings available (See Page 924)

Part No.	Weight (Kg)	Size (mm)	Length (mm)
W20-0050-0-00-00	0.1233	20	50
W20-0100-0-00-00	0.2466	20	100
W20-0150-0-00-00	0.3699	20	150
W20-0175-0-00-00	0.43155	20	175
W20-0200-0-00-00	0.4932	20	200
W20-0225-0-00-00	0.55485	20	225
W20-0250-0-00-00	0.6165	20	250
W20-0275-0-00-00	0.67815	20	275
W20-0300-0-00-00	0.7398	20	300
W20-0325-0-00-00	0.80145	20	325
W20-0350-0-00-00	0.8631	20	350
W20-0375-0-00-00	0.92475	20	375
W20-0400-0-00-00	0.9864	20	400
W20-0425-0-00-00	1.04805	20	425
W20-0450-0-00-00	1.1097	20	450
W20-0475-0-00-00	1.17135	20	475
W20-0500-0-00-00	1.233	20	500
W20-0525-0-00-00	1.29465	20	525
W20-0550-0-00-00	1.3563	20	550
W20-0575-0-00-00	1.41795	20	575
W20-0600-0-00-00	1.4796	20	600
W20-0625-0-00-00	1.54125	20	625
W20-0650-0-00-00	1.6029	20	650
W20-0675-0-00-00	1.66455	20	675
W20-0700-0-00-00	1.7262	20	700
W20-0725-0-00-00	1.78785	20	725
W20-0750-0-00-00	1.8495	20	750
W20-0775-0-00-00	1.91115	20	775

Part No.	Weight (Kg)	Size (mm)	Length (mm)
W20-0800-0-00-00	1.9728	20	800
W20-0825-0-00-00	2.03445	20	825
W20-0850-0-00-00	2.0961	20	850
W20-0875-0-00-00	2.15775	20	875
W20-0900-0-00-00	2.2194	20	900
W20-0925-0-00-00	2.28105	20	925
W20-0950-0-00-00	2.3427	20	950
W20-0975-0-00-00	2.40435	20	975
W20-1000-0-00-00	2.466	20	1000
W20-1025-0-00-00	2.52765	20	1025
W20-1050-0-00-00	2.5893	20	1050
W20-1075-0-00-00	2.65095	20	1075
W20-1100-0-00-00	2.7126	20	1100
W20-1125-0-00-00	2.77425	20	1125
W20-1150-0-00-00	2.8359	20	1150
W20-1175-0-00-00	2.89755	20	1175
W20-1200-0-00-00	2.9592	20	1200
W20-1225-0-00-00	3.02085	20	1225
W20-1250-0-00-00	3.0825	20	1250
W20-1275-0-00-00	3.14415	20	1275
W20-1300-0-00-00	3.2058	20	1300
W20-1325-0-00-00	3.26745	20	1325
W20-1350-0-00-00	3.3291	20	1350
W20-1375-0-00-00	3.39075	20	1375
W20-1400-0-00-00	3.4524	20	1400
W20-1425-0-00-00	3.51405	20	1425
W20-1450-0-00-00	3.5757	20	1450
W20-1475-0-00-00	3.63735	20	1475

Linear Shaft 20mm

24 924

Part No.	Weight (Kg)	Size (mm)	Length (mm)
W20-1500-0-00-00	3.699	20	1500
W20-1525-0-00-00	3.76065	20	1525
W20-1550-0-00-00	3.8223	20	1550
W20-1575-0-00-00	3.88395	20	1575
W20-1600-0-00-00	3.9456	20	1600
W20-1625-0-00-00	4.00725	20	1625
W20-1650-0-00-00	4.0689	20	1650
W20-1775-0-00-00	4.37715	20	1775
W20-1800-0-00-00	4.4388	20	1800
W20-1825-0-00-00	4.50045	20	1825
W20-1850-0-00-00	4.5621	20	1850
W20-1875-0-00-00	4.62375	20	1875
W20-1900-0-00-00	4.6854	20	1900
W20-1925-0-00-00	4.74705	20	1925
W20-1950-0-00-00	4.8087	20	1950
W20-1975-0-00-00	4.87035	20	1975
W20-2000-0-00-00	4.932	20	2000
W20-2025-0-00-00	4.99365	20	2025
W20-2050-0-00-00	5.0553	20	2050
W20-2075-0-00-00	5.11695	20	2075
W20-2100-0-00-00	5.1786	20	2100
W20-2125-0-00-00	5.24025	20	2125
W20-2150-0-00-00	5.3019	20	2150
W20-2175-0-00-00	5.36355	20	2175
W20-2200-0-00-00	5.4252	20	2200
W20-2225-0-00-00	5.48685	20	2225
W20-2250-0-00-00	5.5485	20	2250
W20-2275-0-00-00	5.61015	20	2275
W20-2300-0-00-00	5.6718	20	2300
W20-3000-0-00-00	7.398	20	3000
W20-3025-0-00-00	7.45965	20	3025
W20-3050-0-00-00	7.5213	20	3050
W20-3075-0-00-00	7.58295	20	3075
W20-3100-0-00-00	7.6446	20	3100
W20-3125-0-00-00	7.70625	20	3125
W20-3150-0-00-00	7.7679	20	3150
W20-3175-0-00-00	7.82955	20	3175
W20-3200-0-00-00	7.8912	20	3200
W20-3225-0-00-00	7.95285	20	3225
W20-3250-0-00-00	8.0145	20	3250
W20-3275-0-00-00	8.07615	20	3275

Part No.	Weight (Kg)	Size (mm)	Length (mm)
W20-3300-0-00-00	8.1378	20	3300
W20-3325-0-00-00	8.19945	20	3325
W20-3350-0-00-00	8.2611	20	3350
W20-3375-0-00-00	8.32275	20	3375
W20-3400-0-00-00	8.3844	20	3400
W20-3425-0-00-00	8.44605	20	3425
W20-3450-0-00-00	8.5077	20	3450
W20-3475-0-00-00	8.56935	20	3475
W20-3500-0-00-00	8.631	20	3500
W20-3525-0-00-00	8.69265	20	3525
W20-3550-0-00-00	8.7543	20	3550
W20-3575-0-00-00	8.81595	20	3575
W20-3600-0-00-00	8.8776	20	3600
W20-3625-0-00-00	8.93925	20	3625
W20-3650-0-00-00	9.0009	20	3650
W20-3675-0-00-00	9.06255	20	3675
W20-3700-0-00-00	9.1242	20	3700
W20-3725-0-00-00	9.18585	20	3725
W20-3750-0-00-00	9.2475	20	3750
W20-3775-0-00-00	9.30915	20	3775
W20-3800-0-00-00	9.3708	20	3800
W20-3825-0-00-00	9.43245	20	3825
W20-3850-0-00-00	9.4941	20	3850
W20-3875-0-00-00	9.55575	20	3875
W20-3900-0-00-00	9.6174	20	3900
W20-3925-0-00-00	9.67905	20	3925
W20-3950-0-00-00	9.7407	20	3950
W20-3975-0-00-00	9.80235	20	3975
W20-4000-0-00-00	9.864	20	4000

Matching Ball Bushings

NTN	IKO
KH2030	LK2030
BBET20UU	LME203245UU
BBE20UU	LME203245NUU



See Ball Bushings – Page 924

Linear Shaft 25mm



- Solid shafts
- Induction hardened heat treated Steel
- Surface hardness HRC 62 +/-2
- Material Grade CF53
- Shaft tolerance h6
- Matching Ball Bushings available (See Page 924)

Part No.	Weight (Kg)	Size (mm)	Length (mm)
W25-0050-0-00-00	0.19265	25	50
W25-0100-0-00-00	0.3853	25	100
W25-0150-0-00-00	0.57795	25	150
W25-0175-0-00-00	0.674275	25	175
W25-0200-0-00-00	0.7706	25	200
W25-0225-0-00-00	0.866925	25	225
W25-0250-0-00-00	0.96325	25	250
W25-0275-0-00-00	1.059575	25	275
W25-0300-0-00-00	1.1559	25	300
W25-0325-0-00-00	1.252225	25	325
W25-0350-0-00-00	1.34855	25	350
W25-0375-0-00-00	1.444875	25	375
W25-0400-0-00-00	1.5412	25	400
W25-0425-0-00-00	1.637525	25	425
W25-0450-0-00-00	1.73385	25	450
W25-0475-0-00-00	1.830175	25	475
W25-0500-0-00-00	1.9265	25	500
W25-0525-0-00-00	2.022825	25	525
W25-0550-0-00-00	2.11915	25	550
W25-0575-0-00-00	2.215475	25	575
W25-0600-0-00-00	2.3118	25	600
W25-0625-0-00-00	2.408125	25	625
W25-0650-0-00-00	2.50445	25	650
W25-0675-0-00-00	2.600775	25	675
W25-0700-0-00-00	2.6971	25	700
W25-0725-0-00-00	2.793425	25	725
W25-0750-0-00-00	2.88975	25	750
W25-0775-0-00-00	2.986075	25	775

Part No.	Weight (Kg)	Size (mm)	Length (mm)
W25-0800-0-00-00	3.0824	25	800
W25-0825-0-00-00	3.178725	25	825
W25-0850-0-00-00	3.27505	25	850
W25-0875-0-00-00	3.371375	25	875
W25-0900-0-00-00	3.4677	25	900
W25-0925-0-00-00	3.564025	25	925
W25-0950-0-00-00	3.66035	25	950
W25-0975-0-00-00	3.756675	25	975
W25-1000-0-00-00	3.853	25	1000
W25-1025-0-00-00	3.949325	25	1025
W25-1050-0-00-00	4.04565	25	1050
W25-1075-0-00-00	4.141975	25	1075
W25-1100-0-00-00	4.2383	25	1100
W25-1125-0-00-00	4.334625	25	1125
W25-1150-0-00-00	4.43095	25	1150
W25-1175-0-00-00	4.527275	25	1175
W25-1200-0-00-00	4.6236	25	1200
W25-1225-0-00-00	4.719925	25	1225
W25-1250-0-00-00	4.81625	25	1250
W25-1275-0-00-00	4.912575	25	1275
W25-1300-0-00-00	5.0089	25	1300
W25-1325-0-00-00	5.105225	25	1325
W25-1350-0-00-00	5.20155	25	1350
W25-1375-0-00-00	5.297875	25	1375
W25-1400-0-00-00	5.3942	25	1400
W25-1425-0-00-00	5.490525	25	1425
W25-1450-0-00-00	5.58685	25	1450
W25-1475-0-00-00	5.683175	25	1475

Linear Shaft 25mm

Part No.	Weight (Kg)	Size (mm)	Length (mm)
W25-1500-0-00-00	5.7795	25	1500
W25-1525-0-00-00	5.875825	25	1525
W25-1550-0-00-00	5.97215	25	1550
W25-1575-0-00-00	6.068475	25	1575
W25-1600-0-00-00	6.1648	25	1600
W25-1625-0-00-00	6.261125	25	1625
W25-1650-0-00-00	6.35745	25	1650
W25-1775-0-00-00	6.839075	25	1775
W25-1800-0-00-00	6.9354	25	1800
W25-1825-0-00-00	7.031725	25	1825
W25-1850-0-00-00	7.12805	25	1850
W25-1875-0-00-00	7.224375	25	1875
W25-1900-0-00-00	7.3207	25	1900
W25-1925-0-00-00	7.417025	25	1925
W25-1950-0-00-00	7.51335	25	1950
W25-1975-0-00-00	7.609675	25	1975
W25-2000-0-00-00	7.706	25	2000
W25-2025-0-00-00	7.802325	25	2025
W25-2050-0-00-00	7.89865	25	2050
W25-2075-0-00-00	7.994975	25	2075
W25-2100-0-00-00	8.0913	25	2100
W25-2125-0-00-00	8.187625	25	2125
W25-2150-0-00-00	8.28395	25	2150
W25-2175-0-00-00	8.380275	25	2175
W25-2200-0-00-00	8.4766	25	2200
W25-2225-0-00-00	8.572925	25	2225
W25-2250-0-00-00	8.66925	25	2250
W25-2275-0-00-00	8.765575	25	2275
W25-2300-0-00-00	8.8619	25	2300
W25-3000-0-00-00	11.559	25	3000
W25-3025-0-00-00	11.655325	25	3025
W25-3050-0-00-00	11.75165	25	3050
W25-3075-0-00-00	11.847975	25	3075
W25-3100-0-00-00	11.9443	25	3100
W25-3125-0-00-00	12.040625	25	3125
W25-3150-0-00-00	12.13695	25	3150
W25-3175-0-00-00	12.233275	25	3175
W25-3200-0-00-00	12.3296	25	3200
W25-3225-0-00-00	12.425925	25	3225
W25-3250-0-00-00	12.52225	25	3250
W25-3275-0-00-00	12.618575	25	3275

Part No.	Weight (Kg)	Size (mm)	Length (mm)
W25-3300-0-00-00	12.7149	25	3300
W25-3325-0-00-00	12.811225	25	3325
W25-3350-0-00-00	12.90755	25	3350
W25-3375-0-00-00	13.003875	25	3375
W25-3400-0-00-00	13.1002	25	3400
W25-3425-0-00-00	13.196525	25	3425
W25-3450-0-00-00	13.29285	25	3450
W25-3475-0-00-00	13.389175	25	3475
W25-3500-0-00-00	13.4855	25	3500
W25-3525-0-00-00	13.581825	25	3525
W25-3550-0-00-00	13.67815	25	3550
W25-3575-0-00-00	13.774475	25	3575
W25-3600-0-00-00	13.8708	25	3600
W25-3625-0-00-00	13.967125	25	3625
W25-3650-0-00-00	14.06345	25	3650
W25-3675-0-00-00	14.159775	25	3675
W25-3700-0-00-00	14.2561	25	3700
W25-3725-0-00-00	14.352425	25	3725
W25-3750-0-00-00	14.44875	25	3750
W25-3775-0-00-00	14.545075	25	3775
W25-3800-0-00-00	14.6414	25	3800
W25-3825-0-00-00	14.737725	25	3825
W25-3850-0-00-00	14.83405	25	3850
W25-3875-0-00-00	14.930375	25	3875
W25-3900-0-00-00	15.0267	25	3900
W25-3925-0-00-00	15.123025	25	3925
W25-3950-0-00-00	15.21935	25	3950
W25-3975-0-00-00	15.315675	25	3975
W25-4000-0-00-00	15.412	25	4000

Matching Ball Bushings

NTN	IKO
KH2540	LK2540
BBET25UU	LME254058UU
BBE25UU	LME254058NUU



See Ball Bushings – Page 924

Linear Shaft 30mm



- Solid shafts
- Induction hardened heat treated Steel
- Surface hardness HRC 62 +/-2
- Material Grade CF53
- Shaft tolerance h6
- Matching Ball Bushings available (See Page 924)

Part No.	Weight (Kg)	Size (mm)	Length (mm)
W30-0050-0-00-00	0.27745	30	50
W30-0100-0-00-00	0.5549	30	100
W30-0150-0-00-00	0.83235	30	150
W30-0175-0-00-00	0.971075	30	175
W30-0200-0-00-00	1.1098	30	200
W30-0225-0-00-00	1.248525	30	225
W30-0250-0-00-00	1.38725	30	250
W30-0275-0-00-00	1.525975	30	275
W30-0300-0-00-00	1.6647	30	300
W30-0325-0-00-00	1.803425	30	325
W30-0350-0-00-00	1.94215	30	350
W30-0375-0-00-00	2.080875	30	375
W30-0400-0-00-00	2.2196	30	400
W30-0425-0-00-00	2.358325	30	425
W30-0450-0-00-00	2.49705	30	450
W30-0475-0-00-00	2.635775	30	475
W30-0500-0-00-00	2.7745	30	500
W30-0525-0-00-00	2.913225	30	525
W30-0550-0-00-00	3.05195	30	550
W30-0575-0-00-00	3.190675	30	575
W30-0600-0-00-00	3.3294	30	600
W30-0625-0-00-00	3.468125	30	625
W30-0650-0-00-00	3.60685	30	650
W30-0675-0-00-00	3.745575	30	675
W30-0700-0-00-00	3.8843	30	700
W30-0725-0-00-00	4.023025	30	725
W30-0750-0-00-00	4.16175	30	750
W30-0775-0-00-00	4.300475	30	775

Part No.	Weight (Kg)	Size (mm)	Length (mm)
W30-0800-0-00-00	4.4392	30	800
W30-0825-0-00-00	4.577925	30	825
W30-0850-0-00-00	4.71665	30	850
W30-0875-0-00-00	4.855375	30	875
W30-0900-0-00-00	4.9941	30	900
W30-0925-0-00-00	5.132825	30	925
W30-0950-0-00-00	5.27155	30	950
W30-0975-0-00-00	5.410275	30	975
W30-1000-0-00-00	5.549	30	1000
W30-1025-0-00-00	5.687725	30	1025
W30-1050-0-00-00	5.82645	30	1050
W30-1075-0-00-00	5.965175	30	1075
W30-1100-0-00-00	6.1039	30	1100
W30-1125-0-00-00	6.242625	30	1125
W30-1150-0-00-00	6.38135	30	1150
W30-1175-0-00-00	6.520075	30	1175
W30-1200-0-00-00	6.6588	30	1200
W30-1225-0-00-00	6.797525	30	1225
W30-1250-0-00-00	6.93625	30	1250
W30-1275-0-00-00	7.074975	30	1275
W30-1300-0-00-00	7.2137	30	1300
W30-1325-0-00-00	7.352425	30	1325
W30-1350-0-00-00	7.49115	30	1350
W30-1375-0-00-00	7.629875	30	1375
W30-1400-0-00-00	7.7686	30	1400
W30-1425-0-00-00	7.907325	30	1425
W30-1450-0-00-00	8.04605	30	1450
W30-1475-0-00-00	8.184775	30	1475

Linear Shaft 30mm

Part No.	Weight (Kg)	Size (mm)	Length (mm)
W30-1500-0-00-00	8.3235	30	1500
W30-1525-0-00-00	8.462225	30	1525
W30-1550-0-00-00	8.60095	30	1550
W30-1575-0-00-00	8.739675	30	1575
W30-1600-0-00-00	8.8784	30	1600
W30-1625-0-00-00	9.017125	30	1625
W30-1650-0-00-00	9.15585	30	1650
W30-1775-0-00-00	9.849475	30	1775
W30-1800-0-00-00	9.9882	30	1800
W30-1825-0-00-00	10.126925	30	1825
W30-1850-0-00-00	10.26565	30	1850
W30-1875-0-00-00	10.404375	30	1875
W30-1900-0-00-00	10.5431	30	1900
W30-1925-0-00-00	10.681825	30	1925
W30-1950-0-00-00	10.82055	30	1950
W30-1975-0-00-00	10.959275	30	1975
W30-2000-0-00-00	11.098	30	2000
W30-2025-0-00-00	11.236725	30	2025
W30-2050-0-00-00	11.37545	30	2050
W30-2075-0-00-00	11.514175	30	2075
W30-2100-0-00-00	11.6529	30	2100
W30-2125-0-00-00	11.791625	30	2125
W30-2150-0-00-00	11.93035	30	2150
W30-2175-0-00-00	12.069075	30	2175
W30-2200-0-00-00	12.2078	30	2200
W30-2225-0-00-00	12.346525	30	2225
W30-2250-0-00-00	12.48525	30	2250
W30-2275-0-00-00	12.623975	30	2275
W30-2300-0-00-00	12.7627	30	2300
W30-3000-0-00-00	16.647	30	3000
W30-3025-0-00-00	16.785725	30	3025
W30-3050-0-00-00	16.92445	30	3050
W30-3075-0-00-00	17.063175	30	3075
W30-3100-0-00-00	17.2019	30	3100
W30-3125-0-00-00	17.340625	30	3125
W30-3150-0-00-00	17.47935	30	3150
W30-3175-0-00-00	17.618075	30	3175
W30-3200-0-00-00	17.7568	30	3200
W30-3225-0-00-00	17.895525	30	3225
W30-3250-0-00-00	18.03425	30	3250
W30-3275-0-00-00	18.172975	30	3275

Part No.	Weight (Kg)	Size (mm)	Length (mm)
W30-3300-0-00-00	18.3117	30	3300
W30-3325-0-00-00	18.450425	30	3325
W30-3350-0-00-00	18.58915	30	3350
W30-3375-0-00-00	18.727875	30	3375
W30-3400-0-00-00	18.8666	30	3400
W30-3425-0-00-00	19.005325	30	3425
W30-3450-0-00-00	19.14405	30	3450
W30-3475-0-00-00	19.282775	30	3475
W30-3500-0-00-00	19.4215	30	3500
W30-3525-0-00-00	19.560225	30	3525
W30-3550-0-00-00	19.69895	30	3550
W30-3575-0-00-00	19.837675	30	3575
W30-3600-0-00-00	19.9764	30	3600
W30-3625-0-00-00	20.115125	30	3625
W30-3650-0-00-00	20.25385	30	3650
W30-3675-0-00-00	20.392575	30	3675
W30-3700-0-00-00	20.5313	30	3700
W30-3725-0-00-00	20.670025	30	3725
W30-3750-0-00-00	20.80875	30	3750
W30-3775-0-00-00	20.947475	30	3775
W30-3800-0-00-00	21.0862	30	3800
W30-3825-0-00-00	21.224925	30	3825
W30-3850-0-00-00	21.36365	30	3850
W30-3875-0-00-00	21.502375	30	3875
W30-3900-0-00-00	21.6411	30	3900
W30-3925-0-00-00	21.779825	30	3925
W30-3950-0-00-00	21.91855	30	3950
W30-3975-0-00-00	22.057275	30	3975
W30-4000-0-00-00	22.196	30	4000

Matching Ball Bushings

NTN	IKO
KH3050	LK3050
BBET30UU	LME304768UU



See Ball Bushings – Page 924

Linear Shaft 35mm



- Solid shafts
- Induction hardened heat treated Steel
- Surface hardness HRC 62 +/-2
- Material Grade CF53
- Shaft tolerance h6

Part No.	Weight (Kg)	Size (mm)	Length (mm)
W35-0050-0-00-00	0.3776	35	50
W35-0100-0-00-00	0.7552	35	100
W35-0150-0-00-00	1.1328	35	150
W35-0175-0-00-00	1.3216	35	175
W35-0200-0-00-00	1.5104	35	200
W35-0225-0-00-00	1.6992	35	225
W35-0250-0-00-00	1.888	35	250
W35-0275-0-00-00	2.0768	35	275
W35-0300-0-00-00	2.2656	35	300
W35-0325-0-00-00	2.4544	35	325
W35-0350-0-00-00	2.6432	35	350
W35-0375-0-00-00	2.832	35	375
W35-0400-0-00-00	3.0208	35	400
W35-0425-0-00-00	3.2096	35	425
W35-0450-0-00-00	3.3984	35	450
W35-0475-0-00-00	3.5872	35	475
W35-0500-0-00-00	3.776	35	500
W35-0525-0-00-00	3.9648	35	525
W35-0550-0-00-00	4.1536	35	550
W35-0575-0-00-00	4.3424	35	575
W35-0600-0-00-00	4.5312	35	600
W35-0625-0-00-00	4.72	35	625
W35-0650-0-00-00	4.9088	35	650
W35-0675-0-00-00	5.0976	35	675
W35-0700-0-00-00	5.2864	35	700
W35-0725-0-00-00	5.4752	35	725
W35-0750-0-00-00	5.664	35	750
W35-0775-0-00-00	5.8528	35	775

Part No.	Weight (Kg)	Size (mm)	Length (mm)
W35-0800-0-00-00	6.0416	35	800
W35-0825-0-00-00	6.2304	35	825
W35-0850-0-00-00	6.4192	35	850
W35-0875-0-00-00	6.608	35	875
W35-0900-0-00-00	6.7968	35	900
W35-0925-0-00-00	6.9856	35	925
W35-0950-0-00-00	7.1744	35	950
W35-0975-0-00-00	7.3632	35	975
W35-1000-0-00-00	7.552	35	1000
W35-1025-0-00-00	7.7408	35	1025
W35-1050-0-00-00	7.9296	35	1050
W35-1075-0-00-00	8.1184	35	1075
W35-1100-0-00-00	8.3072	35	1100
W35-1125-0-00-00	8.496	35	1125
W35-1150-0-00-00	8.6848	35	1150
W35-1175-0-00-00	8.8736	35	1175
W35-1200-0-00-00	9.0624	35	1200
W35-1225-0-00-00	9.2512	35	1225
W35-1250-0-00-00	9.44	35	1250
W35-1275-0-00-00	9.6288	35	1275
W35-1300-0-00-00	9.8176	35	1300
W35-1325-0-00-00	10.0064	35	1325
W35-1350-0-00-00	10.1952	35	1350
W35-1375-0-00-00	10.384	35	1375
W35-1400-0-00-00	10.5728	35	1400
W35-1425-0-00-00	10.7616	35	1425
W35-1450-0-00-00	10.9504	35	1450
W35-1475-0-00-00	11.1392	35	1475

Linear Shaft 35mm

Part No.	Weight (Kg)	Size (mm)	Length (mm)
W35-1500-0-00-00	11.328	35	1500
W35-1525-0-00-00	11.5168	35	1525
W35-1550-0-00-00	11.7056	35	1550
W35-1575-0-00-00	11.8944	35	1575
W35-1600-0-00-00	12.0832	35	1600
W35-1625-0-00-00	12.272	35	1625
W35-1650-0-00-00	12.4608	35	1650
W35-1775-0-00-00	13.4048	35	1775
W35-1800-0-00-00	13.5936	35	1800
W35-1825-0-00-00	13.7824	35	1825
W35-1850-0-00-00	13.9712	35	1850
W35-1875-0-00-00	14.16	35	1875
W35-1900-0-00-00	14.3488	35	1900
W35-1925-0-00-00	14.5376	35	1925
W35-1950-0-00-00	14.7264	35	1950
W35-1975-0-00-00	14.9152	35	1975
W35-2000-0-00-00	15.104	35	2000
W35-2025-0-00-00	15.2928	35	2025
W35-2050-0-00-00	15.4816	35	2050
W35-2075-0-00-00	15.6704	35	2075
W35-2100-0-00-00	15.8592	35	2100
W35-2125-0-00-00	16.048	35	2125
W35-2150-0-00-00	16.2368	35	2150
W35-2175-0-00-00	16.4256	35	2175
W35-2200-0-00-00	16.6144	35	2200
W35-2225-0-00-00	16.8032	35	2225
W35-2250-0-00-00	16.992	35	2250
W35-2275-0-00-00	17.1808	35	2275
W35-2300-0-00-00	17.3696	35	2300
W35-3000-0-00-00	22.656	35	3000
W35-3025-0-00-00	22.8448	35	3025
W35-3050-0-00-00	23.0336	35	3050
W35-3075-0-00-00	23.2224	35	3075
W35-3100-0-00-00	23.4112	35	3100
W35-3125-0-00-00	23.6	35	3125
W35-3150-0-00-00	23.7888	35	3150
W35-3175-0-00-00	23.9776	35	3175
W35-3200-0-00-00	24.1664	35	3200
W35-3225-0-00-00	24.3552	35	3225
W35-3250-0-00-00	24.544	35	3250

Part No.	Weight (Kg)	Size (mm)	Length (mm)
W35-3275-0-00-00	24.7328	35	3275
W35-3300-0-00-00	24.9216	35	3300
W35-3325-0-00-00	25.1104	35	3325
W35-3350-0-00-00	25.2992	35	3350
W35-3375-0-00-00	25.488	35	3375
W35-3400-0-00-00	25.6768	35	3400
W35-3425-0-00-00	25.8656	35	3425
W35-3450-0-00-00	26.0544	35	3450
W35-3475-0-00-00	26.2432	35	3475
W35-3500-0-00-00	26.432	35	3500
W35-3525-0-00-00	26.6208	35	3525
W35-3550-0-00-00	26.8096	35	3550
W35-3575-0-00-00	26.9984	35	3575
W35-3600-0-00-00	27.1872	35	3600
W35-3625-0-00-00	27.376	35	3625
W35-3650-0-00-00	27.5648	35	3650
W35-3675-0-00-00	27.7536	35	3675
W35-3700-0-00-00	27.9424	35	3700
W35-3725-0-00-00	28.1312	35	3725
W35-3750-0-00-00	28.32	35	3750
W35-3775-0-00-00	28.5088	35	3775
W35-3800-0-00-00	28.6976	35	3800
W35-3825-0-00-00	28.8864	35	3825
W35-3850-0-00-00	29.0752	35	3850
W35-3875-0-00-00	29.264	35	3875
W35-3900-0-00-00	29.4528	35	3900
W35-3925-0-00-00	29.6416	35	3925
W35-3950-0-00-00	29.8304	35	3950
W35-3975-0-00-00	30.0192	35	3975
W35-4000-0-00-00	30.208	35	4000

Linear Shaft 40mm



- Solid shafts
- Induction hardened heat treated Steel
- Surface hardness HRC 62 +/-2
- Material Grade CF53
- Shaft tolerance h6

Part No.	Weight (Kg)	Size (mm)	Length (mm)
W40-0050-0-00-00	0.4932	40	50
W40-0100-0-00-00	0.9864	40	100
W40-0150-0-00-00	1.4796	40	150
W40-0175-0-00-00	1.7262	40	175
W40-0200-0-00-00	1.9728	40	200
W40-0225-0-00-00	2.2194	40	225
W40-0250-0-00-00	2.466	40	250
W40-0275-0-00-00	2.7126	40	275
W40-0300-0-00-00	2.9592	40	300
W40-0325-0-00-00	3.2058	40	325
W40-0350-0-00-00	3.4524	40	350
W40-0375-0-00-00	3.699	40	375
W40-0400-0-00-00	3.9456	40	400
W40-0425-0-00-00	4.1922	40	425
W40-0450-0-00-00	4.4388	40	450
W40-0475-0-00-00	4.6854	40	475
W40-0500-0-00-00	4.932	40	500
W40-0525-0-00-00	5.1786	40	525
W40-0550-0-00-00	5.4252	40	550
W40-0575-0-00-00	5.6718	40	575
W40-0600-0-00-00	5.9184	40	600
W40-0625-0-00-00	6.165	40	625
W40-0650-0-00-00	6.4116	40	650
W40-0675-0-00-00	6.6582	40	675
W40-0700-0-00-00	6.9048	40	700
W40-0725-0-00-00	7.1514	40	725
W40-0750-0-00-00	7.398	40	750
W40-0775-0-00-00	7.6446	40	775

Part No.	Weight (Kg)	Size (mm)	Length (mm)
W40-0800-0-00-00	7.8912	40	800
W40-0825-0-00-00	8.1378	40	825
W40-0850-0-00-00	8.3844	40	850
W40-0875-0-00-00	8.631	40	875
W40-0900-0-00-00	8.8776	40	900
W40-0925-0-00-00	9.1242	40	925
W40-0950-0-00-00	9.3708	40	950
W40-0975-0-00-00	9.6174	40	975
W40-1000-0-00-00	9.864	40	1000
W40-1025-0-00-00	10.1106	40	1025
W40-1050-0-00-00	10.3572	40	1050
W40-1075-0-00-00	10.6038	40	1075
W40-1100-0-00-00	10.8504	40	1100
W40-1125-0-00-00	11.097	40	1125
W40-1150-0-00-00	11.3436	40	1150
W40-1175-0-00-00	11.5902	40	1175
W40-1200-0-00-00	11.8368	40	1200
W40-1225-0-00-00	12.0834	40	1225
W40-1250-0-00-00	12.33	40	1250
W40-1275-0-00-00	12.5766	40	1275
W40-1300-0-00-00	12.8232	40	1300
W40-1325-0-00-00	13.0698	40	1325
W40-1350-0-00-00	13.3164	40	1350
W40-1375-0-00-00	13.563	40	1375
W40-1400-0-00-00	13.8096	40	1400
W40-1425-0-00-00	14.0562	40	1425
W40-1450-0-00-00	14.3028	40	1450
W40-1475-0-00-00	14.5494	40	1475

Linear Shaft 40mm

Part No.	Weight (Kg)	Size (mm)	Length (mm)
W40-1500-0-00-00	14.796	40	1500
W40-1525-0-00-00	15.0426	40	1525
W40-1550-0-00-00	15.2892	40	1550
W40-1575-0-00-00	15.5358	40	1575
W40-1600-0-00-00	15.7824	40	1600
W40-1625-0-00-00	16.029	40	1625
W40-1650-0-00-00	16.2756	40	1650
W40-1775-0-00-00	17.5086	40	1775
W40-1800-0-00-00	17.7552	40	1800
W40-1825-0-00-00	18.0018	40	1825
W40-1850-0-00-00	18.2484	40	1850
W40-1875-0-00-00	18.495	40	1875
W40-1900-0-00-00	18.7416	40	1900
W40-1925-0-00-00	18.9882	40	1925
W40-1950-0-00-00	19.2348	40	1950
W40-1975-0-00-00	19.4814	40	1975
W40-2000-0-00-00	19.728	40	2000
W40-2025-0-00-00	19.9746	40	2025
W40-2050-0-00-00	20.2212	40	2050
W40-2075-0-00-00	20.4678	40	2075
W40-2100-0-00-00	20.7144	40	2100
W40-2125-0-00-00	20.961	40	2125
W40-2150-0-00-00	21.2076	40	2150
W40-2175-0-00-00	21.4542	40	2175
W40-2200-0-00-00	21.7008	40	2200
W40-2225-0-00-00	21.9474	40	2225
W40-2250-0-00-00	22.194	40	2250
W40-2275-0-00-00	22.4406	40	2275
W40-2300-0-00-00	22.6872	40	2300
W40-3000-0-00-00	29.592	40	3000
W40-3025-0-00-00	29.8386	40	3025
W40-3050-0-00-00	30.0852	40	3050
W40-3075-0-00-00	30.3318	40	3075
W40-3100-0-00-00	30.5784	40	3100
W40-3125-0-00-00	30.825	40	3125
W40-3150-0-00-00	31.0716	40	3150
W40-3175-0-00-00	31.3182	40	3175
W40-3200-0-00-00	31.5648	40	3200
W40-3225-0-00-00	31.8114	40	3225
W40-3250-0-00-00	32.058	40	3250

Part No.	Weight (Kg)	Size (mm)	Length (mm)
W40-3275-0-00-00	32.3046	40	3275
W40-3300-0-00-00	32.5512	40	3300
W40-3325-0-00-00	32.7978	40	3325
W40-3350-0-00-00	33.0444	40	3350
W40-3375-0-00-00	33.291	40	3375
W40-3400-0-00-00	33.5376	40	3400
W40-3425-0-00-00	33.7842	40	3425
W40-3450-0-00-00	34.0308	40	3450
W40-3475-0-00-00	34.2774	40	3475
W40-3500-0-00-00	34.524	40	3500
W40-3525-0-00-00	34.7706	40	3525
W40-3550-0-00-00	35.0172	40	3550
W40-3575-0-00-00	35.2638	40	3575
W40-3600-0-00-00	35.5104	40	3600
W40-3625-0-00-00	35.757	40	3625
W40-3650-0-00-00	36.0036	40	3650
W40-3675-0-00-00	36.2502	40	3675
W40-3700-0-00-00	36.4968	40	3700
W40-3725-0-00-00	36.7434	40	3725
W40-3750-0-00-00	36.99	40	3750
W40-3775-0-00-00	37.2366	40	3775
W40-3800-0-00-00	37.4832	40	3800
W40-3825-0-00-00	37.7298	40	3825
W40-3850-0-00-00	37.9764	40	3850
W40-3875-0-00-00	38.223	40	3875
W40-3900-0-00-00	38.4696	40	3900
W40-3925-0-00-00	38.7162	40	3925
W40-3950-0-00-00	38.9628	40	3950
W40-3975-0-00-00	39.2094	40	3975
W40-4000-0-00-00	39.456	40	4000

Linear Shaft 50mm



- Solid shafts
- Induction hardened heat treated Steel
- Surface hardness HRC 62 +/-2
- Material Grade CF53
- Shaft tolerance h6

Part No.	Weight (Kg)	Size (mm)	Length (mm)
W50-0050-0-00-00	0.77065	50	50
W50-0100-0-00-00	1.5413	50	100
W50-0150-0-00-00	2.31195	50	150
W50-0175-0-00-00	2.697275	50	175
W50-0200-0-00-00	3.0826	50	200
W50-0225-0-00-00	3.467925	50	225
W50-0250-0-00-00	3.85325	50	250
W50-0275-0-00-00	4.238575	50	275
W50-0300-0-00-00	4.6239	50	300
W50-0325-0-00-00	5.009225	50	325
W50-0350-0-00-00	5.39455	50	350
W50-0375-0-00-00	5.779875	50	375
W50-0400-0-00-00	6.1652	50	400
W50-0425-0-00-00	6.550525	50	425
W50-0450-0-00-00	6.93585	50	450
W50-0475-0-00-00	7.321175	50	475
W50-0500-0-00-00	7.7065	50	500
W50-0525-0-00-00	8.091825	50	525
W50-0550-0-00-00	8.47715	50	550
W50-0575-0-00-00	8.862475	50	575
W50-0600-0-00-00	9.2478	50	600
W50-0625-0-00-00	9.633125	50	625
W50-0650-0-00-00	10.01845	50	650
W50-0675-0-00-00	10.403775	50	675
W50-0700-0-00-00	10.7891	50	700
W50-0725-0-00-00	11.174425	50	725
W50-0750-0-00-00	11.55975	50	750
W50-0775-0-00-00	11.945075	50	775

Part No.	Weight (Kg)	Size (mm)	Length (mm)
W50-0800-0-00-00	12.3304	50	800
W50-0825-0-00-00	12.715725	50	825
W50-0850-0-00-00	13.10105	50	850
W50-0875-0-00-00	13.486375	50	875
W50-0900-0-00-00	13.8717	50	900
W50-0925-0-00-00	14.257025	50	925
W50-0950-0-00-00	14.64235	50	950
W50-0975-0-00-00	15.027675	50	975
W50-1000-0-00-00	15.413	50	1000
W50-1025-0-00-00	15.798325	50	1025
W50-1050-0-00-00	16.18365	50	1050
W50-1075-0-00-00	16.568975	50	1075
W50-1100-0-00-00	16.9543	50	1100
W50-1125-0-00-00	17.339625	50	1125
W50-1150-0-00-00	17.72495	50	1150
W50-1175-0-00-00	18.110275	50	1175
W50-1200-0-00-00	18.4956	50	1200
W50-1225-0-00-00	18.880925	50	1225
W50-1250-0-00-00	19.26625	50	1250
W50-1275-0-00-00	19.651575	50	1275
W50-1300-0-00-00	20.0369	50	1300
W50-1325-0-00-00	20.422225	50	1325
W50-1350-0-00-00	20.80755	50	1350
W50-1375-0-00-00	21.192875	50	1375
W50-1400-0-00-00	21.5782	50	1400
W50-1425-0-00-00	21.963525	50	1425
W50-1450-0-00-00	22.34885	50	1450
W50-1475-0-00-00	22.734175	50	1475

Linear Shaft 50mm

Part No.	Weight (Kg)	Size (mm)	Length (mm)
W50-1500-0-00-00	23.1195	50	1500
W50-1525-0-00-00	23.504825	50	1525
W50-1550-0-00-00	23.89015	50	1550
W50-1575-0-00-00	24.275475	50	1575
W50-1600-0-00-00	24.6608	50	1600
W50-1625-0-00-00	25.046125	50	1625
W50-1650-0-00-00	25.43145	50	1650
W50-1775-0-00-00	27.358075	50	1775
W50-1800-0-00-00	27.7434	50	1800
W50-1825-0-00-00	28.128725	50	1825
W50-1850-0-00-00	28.51405	50	1850
W50-1875-0-00-00	28.899375	50	1875
W50-1900-0-00-00	29.2847	50	1900
W50-1925-0-00-00	29.670025	50	1925
W50-1950-0-00-00	30.05535	50	1950
W50-1975-0-00-00	30.440675	50	1975
W50-2000-0-00-00	30.826	50	2000
W50-2025-0-00-00	31.211325	50	2025
W50-2050-0-00-00	31.59665	50	2050
W50-2075-0-00-00	31.981975	50	2075
W50-2100-0-00-00	32.3673	50	2100
W50-2125-0-00-00	32.752625	50	2125
W50-2150-0-00-00	33.13795	50	2150
W50-2175-0-00-00	33.523275	50	2175
W50-2200-0-00-00	33.9086	50	2200
W50-2225-0-00-00	34.293925	50	2225
W50-2250-0-00-00	34.67925	50	2250
W50-2275-0-00-00	35.064575	50	2275
W50-2300-0-00-00	35.4499	50	2300
W50-3000-0-00-00	46.239	50	3000
W50-3025-0-00-00	46.624325	50	3025
W50-3050-0-00-00	47.00965	50	3050
W50-3075-0-00-00	47.394975	50	3075
W50-3100-0-00-00	47.7803	50	3100
W50-3125-0-00-00	48.165625	50	3125
W50-3150-0-00-00	48.55095	50	3150
W50-3175-0-00-00	48.936275	50	3175
W50-3200-0-00-00	49.3216	50	3200
W50-3225-0-00-00	49.706925	50	3225
W50-3250-0-00-00	50.09225	50	3250

Part No.	Weight (Kg)	Size (mm)	Length (mm)
W50-3275-0-00-00	50.477575	50	3275
W50-3300-0-00-00	50.8629	50	3300
W50-3325-0-00-00	51.248225	50	3325
W50-3350-0-00-00	51.63355	50	3350
W50-3375-0-00-00	52.018875	50	3375
W50-3400-0-00-00	52.4042	50	3400
W50-3425-0-00-00	52.789525	50	3425
W50-3450-0-00-00	53.17485	50	3450
W50-3475-0-00-00	53.560175	50	3475
W50-3500-0-00-00	53.9455	50	3500
W50-3525-0-00-00	54.330825	50	3525
W50-3550-0-00-00	54.71615	50	3550
W50-3575-0-00-00	55.101475	50	3575
W50-3600-0-00-00	55.4868	50	3600
W50-3625-0-00-00	55.872125	50	3625
W50-3650-0-00-00	56.25745	50	3650
W50-3675-0-00-00	56.642775	50	3675
W50-3700-0-00-00	57.0281	50	3700
W50-3725-0-00-00	57.413425	50	3725
W50-3750-0-00-00	57.79875	50	3750
W50-3775-0-00-00	58.184075	50	3775
W50-3800-0-00-00	58.5694	50	3800
W50-3825-0-00-00	58.954725	50	3825
W50-3850-0-00-00	59.34005	50	3850
W50-3875-0-00-00	59.725375	50	3875
W50-3900-0-00-00	60.1107	50	3900
W50-3925-0-00-00	60.496025	50	3925
W50-3950-0-00-00	60.88135	50	3950
W50-3975-0-00-00	61.266675	50	3975
W50-4000-0-00-00	61.652	50	400

Linear Shaft 60mm



- Solid shafts
- Induction hardened heat treated Steel
- Surface hardness HRC 62 +/-2
- Material Grade CF53
- Shaft tolerance h6

Part No.	Weight (Kg)	Size (mm)	Length (mm)
W60-0050-0-00-00	1.10975	60	50
W60-0100-0-00-00	2.2195	60	100
W60-0150-0-00-00	3.32925	60	150
W60-0175-0-00-00	3.884125	60	175
W60-0200-0-00-00	4.439	60	200
W60-0225-0-00-00	4.993875	60	225
W60-0250-0-00-00	5.54875	60	250
W60-0275-0-00-00	6.103625	60	275
W60-0300-0-00-00	6.6585	60	300
W60-0325-0-00-00	7.213375	60	325
W60-0350-0-00-00	7.76825	60	350
W60-0375-0-00-00	8.323125	60	375
W60-0400-0-00-00	8.878	60	400
W60-0425-0-00-00	9.432875	60	425
W60-0450-0-00-00	9.98775	60	450
W60-0475-0-00-00	10.542625	60	475
W60-0500-0-00-00	11.0975	60	500
W60-0525-0-00-00	11.652375	60	525
W60-0550-0-00-00	12.20725	60	550
W60-0575-0-00-00	12.762125	60	575
W60-0600-0-00-00	13.317	60	600
W60-0625-0-00-00	13.871875	60	625
W60-0650-0-00-00	14.42675	60	650
W60-0675-0-00-00	14.981625	60	675
W60-0700-0-00-00	15.5365	60	700
W60-0725-0-00-00	16.091375	60	725
W60-0750-0-00-00	16.64625	60	750
W60-0775-0-00-00	17.201125	60	775

Part No.	Weight (Kg)	Size (mm)	Length (mm)
W60-0800-0-00-00	17.756	60	800
W60-0825-0-00-00	18.310875	60	825
W60-0850-0-00-00	18.86575	60	850
W60-0875-0-00-00	19.420625	60	875
W60-0900-0-00-00	19.9755	60	900
W60-0925-0-00-00	20.530375	60	925
W60-0950-0-00-00	21.08525	60	950
W60-0975-0-00-00	21.640125	60	975
W60-1000-0-00-00	22.195	60	1000
W60-1025-0-00-00	22.749875	60	1025
W60-1050-0-00-00	23.30475	60	1050
W60-1075-0-00-00	23.859625	60	1075
W60-1100-0-00-00	24.4145	60	1100
W60-1125-0-00-00	24.969375	60	1125
W60-1150-0-00-00	25.52425	60	1150
W60-1175-0-00-00	26.079125	60	1175
W60-1200-0-00-00	26.634	60	1200
W60-1225-0-00-00	27.188875	60	1225
W60-1250-0-00-00	27.74375	60	1250
W60-1275-0-00-00	28.298625	60	1275
W60-1300-0-00-00	28.8535	60	1300
W60-1325-0-00-00	29.408375	60	1325
W60-1350-0-00-00	29.96325	60	1350
W60-1375-0-00-00	30.518125	60	1375
W60-1400-0-00-00	31.073	60	1400
W60-1425-0-00-00	31.627875	60	1425
W60-1450-0-00-00	32.18275	60	1450
W60-1475-0-00-00	32.737625	60	1475

Linear Shaft 60mm

Part No.	Weight (Kg)	Size (mm)	Length (mm)
W60-1500-0-00-00	33.2925	60	1500
W60-1525-0-00-00	33.847375	60	1525
W60-1550-0-00-00	34.40225	60	1550
W60-1575-0-00-00	34.957125	60	1575
W60-1600-0-00-00	35.512	60	1600
W60-1625-0-00-00	36.066875	60	1625
W60-1650-0-00-00	36.62175	60	1650
W60-1775-0-00-00	39.396125	60	1775
W60-1800-0-00-00	39.951	60	1800
W60-1825-0-00-00	40.505875	60	1825
W60-1850-0-00-00	41.06075	60	1850
W60-1875-0-00-00	41.615625	60	1875
W60-1900-0-00-00	42.1705	60	1900
W60-1925-0-00-00	42.725375	60	1925
W60-1950-0-00-00	43.28025	60	1950
W60-1975-0-00-00	43.835125	60	1975
W60-2000-0-00-00	44.39	60	2000
W60-2025-0-00-00	44.944875	60	2025
W60-2050-0-00-00	45.49975	60	2050
W60-2075-0-00-00	46.054625	60	2075
W60-2100-0-00-00	46.6095	60	2100
W60-2125-0-00-00	47.164375	60	2125
W60-2150-0-00-00	47.71925	60	2150
W60-2175-0-00-00	48.274125	60	2175
W60-2200-0-00-00	48.829	60	2200
W60-2225-0-00-00	49.383875	60	2225
W60-2250-0-00-00	49.93875	60	2250
W60-2275-0-00-00	50.493625	60	2275
W60-2300-0-00-00	51.0485	60	2300
W60-3000-0-00-00	66.585	60	3000
W60-3025-0-00-00	67.139875	60	3025
W60-3050-0-00-00	67.69475	60	3050
W60-3075-0-00-00	68.249625	60	3075
W60-3100-0-00-00	68.8045	60	3100
W60-3125-0-00-00	69.359375	60	3125
W60-3150-0-00-00	69.91425	60	3150
W60-3175-0-00-00	70.469125	60	3175
W60-3200-0-00-00	71.024	60	3200
W60-3225-0-00-00	71.578875	60	3225
W60-3250-0-00-00	72.13375	60	3250

Part No.	Weight (Kg)	Size (mm)	Length (mm)
W60-3275-0-00-00	72.688625	60	3275
W60-3300-0-00-00	73.2435	60	3300
W60-3325-0-00-00	73.798375	60	3325
W60-3350-0-00-00	74.35325	60	3350
W60-3375-0-00-00	74.908125	60	3375
W60-3400-0-00-00	75.463	60	3400
W60-3425-0-00-00	76.017875	60	3425
W60-3450-0-00-00	76.57275	60	3450
W60-3475-0-00-00	77.127625	60	3475
W60-3500-0-00-00	77.6825	60	3500
W60-3525-0-00-00	78.237375	60	3525
W60-3550-0-00-00	78.79225	60	3550
W60-3575-0-00-00	79.347125	60	3575
W60-3600-0-00-00	79.902	60	3600
W60-3625-0-00-00	80.456875	60	3625
W60-3650-0-00-00	81.01175	60	3650
W60-3675-0-00-00	81.566625	60	3675
W60-3700-0-00-00	82.1215	60	3700
W60-3725-0-00-00	82.676375	60	3725
W60-3750-0-00-00	83.23125	60	3750
W60-3775-0-00-00	83.786125	60	3775
W60-3800-0-00-00	84.341	60	3800
W60-3825-0-00-00	84.895875	60	3825
W60-3850-0-00-00	85.45075	60	3850
W60-3875-0-00-00	86.005625	60	3875
W60-3900-0-00-00	86.5605	60	3900
W60-3925-0-00-00	87.115375	60	3925
W60-3950-0-00-00	87.67025	60	3950
W60-3975-0-00-00	88.225125	60	3975
W60-4000-0-00-00	88.78	60	4000

Ball Bushings

902 - 914



- Standard Linear Ball Bushings and Super Linear Ball Bushings
- Diameter 3mm t0 150mm
- Carbon Steel and POM (Acetal) Plastic
- Stainless Steel available
- With and without Seals
- Matching Linear Shafts
- Linear Sets
- Support rails, shaft supports, traverses, solid and hollow shafts

Part No.	Weight (g)	Bore (mm)	OD (mm)	Length (mm)	Type	Sealed	Material Type	Retainer Material	To Suit Linear Shaft
KH1630	27	16	24	30	Ball Sleeve	Without Seal	Carbon Steel	POM Plastic	W16H6
KH2030	33	20	28	30	Ball Sleeve	Without Seal	Carbon Steel	POM Plastic	W20H6
KH2540	66	25	35	40	Ball Sleeve	Without Seal	Carbon Steel	POM Plastic	W25H6
KH3050	95	30	40	50	Ball Sleeve	Without Seal	Carbon Steel	POM Plastic	W30H6
BBET16UU	43	16	26	36	Super Ball Bushing	Two End Seals	POM Plastic	POM Plastic	W16H6
BBET20UU	58	20	32	45	Super Ball Bushing	Two End Seals	POM Plastic	POM Plastic	W20H6
BBET25UU	123	25	40	58	Super Ball Bushing	Two End Seals	POM Plastic	POM Plastic	W25H6
BBET30UU	216	30	47	68	Super Ball Bushing	Two End Seals	POM Plastic	POM Plastic	W30H6
BBE8UU	22	8	16	25	Standard	Two End Seals	Carbon Steel	POM Plastic	W8H6
BBE12UU	45	12	22	32	Standard	Two End Seals	Carbon Steel	POM Plastic	W12H6
BBE16UU	60	16	26	36	Standard	Two End Seals	Carbon Steel	POM Plastic	W16H6
BBE20UU	102	20	32	45	Standard	Two End Seals	Carbon Steel	POM Plastic	W20H6
BBE25UU	235	25	40	58	Standard	Two End Seals	Carbon Steel	POM Plastic	W25H6



See IKO Ball Bushing – Page 946

Ball Screws, Ball Screw Supports & Ball Splines

Ball Screws



Diameter 6 to 80 mm for rolled and 4 to 120 mm for ground ball screws

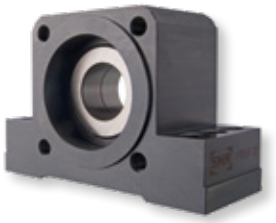
- Right and left hand helix
- Customized end machining
- Fixed and floating bearing units

Ball Splines



- Diameters for:
  - Cylindrical nuts 04 – 100 mm
  - Flange type nuts 06 – 60 mm
  - Rotary type nuts 06 – 60 mm
- High linear and rotation velocity
- High load rating
- Torque and force transmission by simultaneous rotation and linear movements
- Customised machining

Ball Screw Supports



BSTK – BSTF
Shaft diameter 17 – 60 mm

- High load rating for vertical applications
- Easy assembling
- Long service life
- High rigidity

BK – BF – EK – EF
Shaft diameter 06 – 50 mm

- Asian range of bearing units
- Well known dimension

Linear Axis

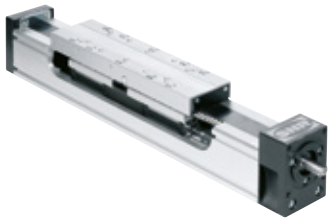
A Wide Range of Linear Axis

NTN Linear Axis are universally applicable modules that accommodate the steadily growing requirements for the automation of manufacturing processes.

They are suitable for the most diverse applications in various industries: factory automation, machine tools, electrical engineering/electronic hardware, automotive industry, printing industry, special-purpose machines, clean-room applications in the semiconductor industry and the food industry.

The modular design of NTN linear axis allows a high degree of flexibility and can fulfil almost every customer request. They can be quickly combined with each other and integrated into existing systems. This also means lower assembling costs for the end user.

Compact AXIS

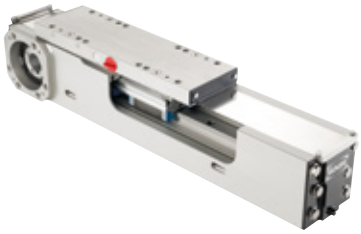


AXC Series

Size 40, 60, 80, 100, 120

- Modular design, system universally applicable as single-axis and in complex multiple-axis systems
- Different guiding and drive options
- Belt drive in Omega design
- Long-life and long-term maintenance free

Compact AXIS



AXF Series

Size 100

- Based on the AXC series.
- Available with tooth belt and screw drive
- Specially developed to prevent the deposit of residues at the profile.
- Specifically optimised for food, pharmaceutical and semiconductor industries applications

NTN Linear Axis & Tables

Precision AXIS

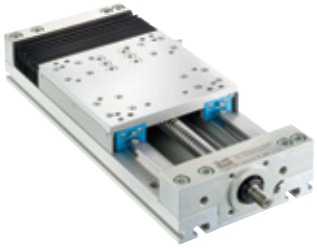


AXBG Series

Size 15, 20, 26, 33, 46, 55

- Extremely compact design and very rigid steel profile
- High positioning accuracy

Linear Tables AXIS



AXLT Series

Size: 155, 225, 325, 455

- Particularly suitable for high loads, especially torque loads
- Protected guidance and drive system via optional bellows
- Can be combined for cross table variations

Parallel AXIS

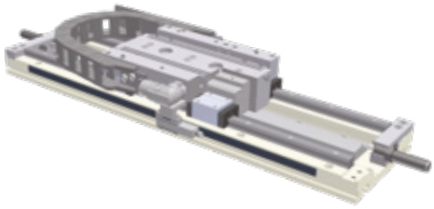


AXDL Series

Size: 110, 160, 240

- Profile with high rigidity (especially with synchronous belt drive)
- Protection against contamination for guide and drive system
- Long-life and long-term maintenance free

Linear Motor AXIS



AXLM Series

Size: 155, 225, 325

- High dynamics and high accuracy
- Guidance: two parallel assembled linear guides
- Particularly suitable for high loads, especially torque loads

Linear Systems

System AXIS



AXS Series - Telescopic axis

- For vertical and horizontal applications
- Suitable for use in confined installation space
- Velocity up to 10 m/s

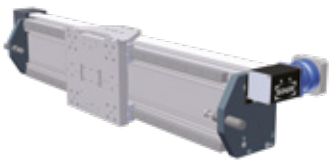
System AXIS



AXS Series - Lifting axis

- For loads over 1000 kg

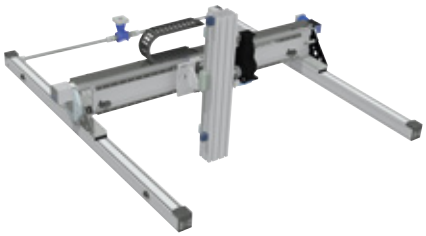
System AXIS



AXS Series - Gantry axis

- Undivided length up to 10 m
- Tooth belt or rack and pinion drive

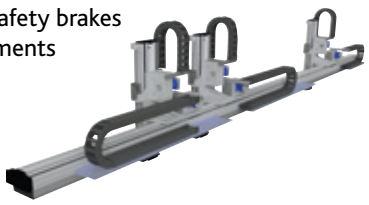
Complete Systems



AXLT Series

Standard combinations with the AXS, AXC and AXDL range

- Modular design system
- Special solutions for specific or customised applications
- Optional with switches and energy chains, gantry support legs and all connecting elements
- Ready for installation
- Lifting axis with safety brakes and clamping elements



NTN
Make the world NAMERAKA

PRECISION SOLUTIONS
FOR PERFECT MOTION



TransDev's NTN Bearings brochure is available now.

We've teamed up with the leading manufacturer NTN to offer their innovative and reliable range of bearing products. We have large stocks, with the expertise to support your requirements.

A Quality Range of Bearings

- Ball Bearings, including Angular
- Contact Bearings
- Roller Bearings
- Spherical Roller Bearings
- Cylindrical Roller Bearings
- Thrust Bearings
- Needle Bearings
- High Precision Bearings
- Special Bearings



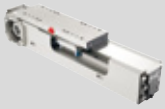
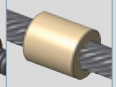


For **Bearings** see page 819

BELTS PULLEYS CHAIN SPROCKETS GEARS BEARINGS LINEAR HARDWARE PLASTICS

TransDev®
THE POWER IN MOTION

Technical Characteristics

		Size	Guiding system			Driving system						
			B, C, D, E	L, M	P	A, Y, Z	S	T	G	M	E	
AXC		40 60 80 100 120										
AXF		100										
AXBG		15 20 26 33 46 55										
AXDL		110 160 240										
AXLM		155 225 325										
AXLT		155 225 325 455										
AXS		110 120 200 230 240 280 460										

* with 2 long carriages ** undivided

24hr Breakdown available
Customisable product
Product code builder
Compatible product

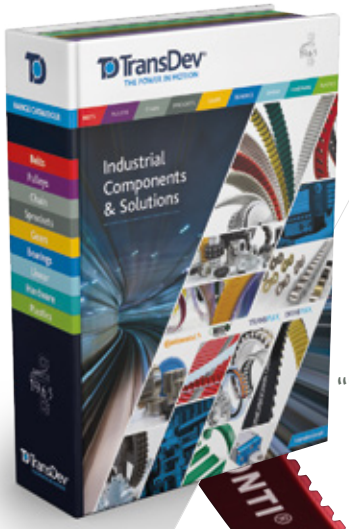
	«Max. dynamic load capacity			Max. dynamic torque (*Max. dynamic load rating)			Protection Version			Max Length (metres in one part)
	Fy[N]	Fz [N]	-Fz [N]	Mx [Nm]	My [Nm]	Mz [Nm]	Cover strip	Bellows	Cover plate	
	10500	10500	10500	140	2150	2150	x			8**
	7000	7000	7000	200	325	325	x			6
	86,4*	86,4*	86,4*	3153*	3190*	3802*			x	1,489
	12500	12500	12500	1050	2250	2250	x			6,35
	37070	51270	22870	2350	5220	5220		x	x	3,2
	33000	33000	33000	5000	4700	4700		x		3,2
	29000	29000	29000	5500	7500	7500				10**

TransDev®
THE POWER IN MOTION

DISCOVER THE HOME OF THE BIG FIVE

Power Transmission, Conveying and Plastics Solutions since 1965

- Stockist of major brands
- PU and Rubber Belts
- Special Belt manufacturing
- Pulley manufacturing
- Chain, sprockets and platewheels
- Bearings
- Linear
- Gear manufacturing
- Hardware
- NEW catalogue includes: CONTITECH®, BRECO®, WIPPERMANN®, IKO, NTN-SNR® IRPEN®, TRANSFLEX®, RESATEC® RENOLD, POLYVFLEX



Continental



"NOTHING STANDS IN ITS WAY"

BRECO TIMING BELTS



"THE KING OF POWER AND PERFORMANCE"

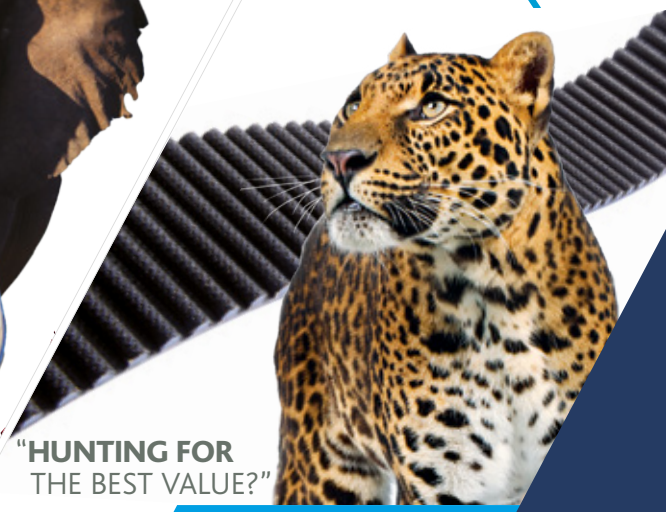
SINCE 1965



"TOUGHER & STRONGER LEADERS KEEP ON LEADING"

SYNCHROFLEX®
SYNCHROFLEX® GEN III

TRANSFLEX



"HUNTING FOR THE BEST VALUE?"

transdev.co.uk

BELTS PULLEYS CHAIN SPROCKETS GEARS BEARINGS LINEAR HARDWARE PLASTICS

TransDev®
THE POWER IN MOTION

IKO

IKO Linear Solutions



- SIZES FROM 1MM WIDE
- STAINLESS STEEL
- BUILT-IN LUBRICATION
- SUITABLE FOR CLEAN ROOM ENVIRONMENTS
- HIGH RIGIDITY & LOAD CAPACITY



Experts in Motion

With more than 60 years of experience, IKO Nippon Thompson specialises in quality needle bearings, linear motion rolling guides, precision positioning tables and machine components. IKO guides, bearings and tables are used in a wide range of applications including Semiconductor, Packaging, Medical, CNC machines and Automation.

Since becoming Japan's first maker of needle roller bearings in 1959, IKO has established a world-class reputation as an innovative producer of high-quality, precision bearing products. Using their expertise and technology through years of experience producing needle roller bearings, they have developed a line of motion rolling guides units that combine carriages and track rails.

Since the introduction of their first linear motion rolling guide unit, or Linear Way in 1978, these products have become important components for high demanding applications.

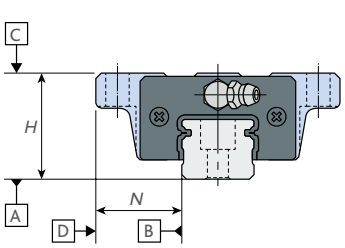
Accuracy Classes

Three accuracy classes are available:
1: Ordinary 2: High 3: Precision

Height variation can be controlled with multiple assembled sets, including parallel track rails. As the ball is stabilized during track groove measurement, highly accurate measurement and precise preload management are possible. Highly accurate dimensions and a simple product structure enable the easy interchangeability of preloaded slide units. This benefits applications where a small change in rigidity is required e.g. Light preload to Standard preload.

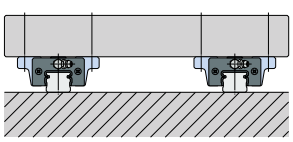
Standard setting to precision

- Tolerances of dimensions H & N
- Variation of dimensions H & N in 1 set
- Parallelism in operation of the C surface to A surface
- Parallelism in operation of the D surface to B surface



A parallel arrangement of multiple assembled sets

- Variation of H dimension in multiple assembled sets can be specified



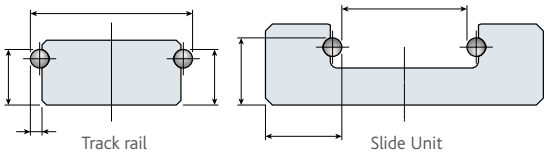
Build Quality

IKO offers a two-row four-point contact type for every Linear Way series. Thanks to IKO's design know how and advanced production technologies, high accuracy and smooth motion are achieved across all sizes of linear way, right down to their Micro series. In addition, load in every direction is handled evenly. This provides stable, high accuracy and rigidity, even in applications where load has variable direction and size or a complex load is applied.

Linear Roller way Super X characteristics

- Super high load capacity
- Long Life
- Super high rigidity
- Enables accurate positioning
- Stable running
- Downsizing and increased load capacity
- Shortened positioning time

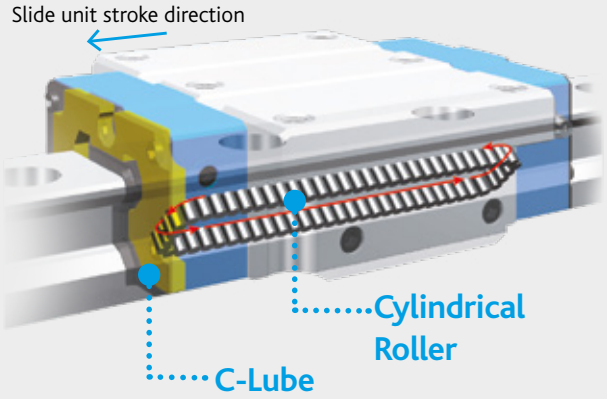
Measurement of way accuracy



Lubrication

Nippon Thompson Co. Ltd. is committed to developing products that make its customer's machinery and equipment more reliable; thereby helping to preserve the global environment.

Just one example of this approach is the term "Oil Minimum". IKO's Oil Minimum ethos has led to the creation of a proprietary family of lubricating parts named "C-Lube".



"C-Lube" minimizes usage of lubrication oil and supplies the optimal amount of lubrication oil for long periods of time. This enables a long term maintenance free life whilst also helping to preserve the global environment. By replacing the interchangeable linear way or linear roller way slide unit with C-Lube Linear Way or a C-Lube Linear Roller Way slide unit, maintenance free operation is achieved; while still using the same track rail.

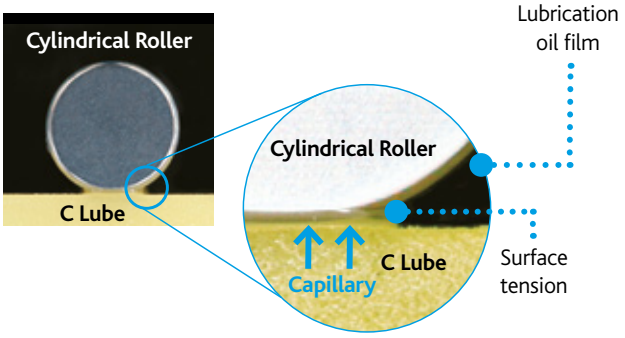
Lubrication oil is supplied directly to the rolling elements via capillary lubricating elements, not to the track rail.The surfaces of these capillary lubricating elements are always covered with the lubrication oil. The surface tension in the contact of capillary lubricating elements, surface and rolling elements ensures continuous overall lubrication. On the surface of capillary lubricating elements, with which the rolling elements make contact, new lubrication oil is always supplied from the other sections.

Lubrication oil is supplied to surfaces of rolling elements and carried to the loading area through the circulation of rolling elements. Appropriate levels of lubrication oil are thereby properly maintained in the loading area, delivering long lasting lubrication performance.

Benefits of C-Lube

The elimination of the oil feeder and its piping with a C-Lube solution provides a range of benefits:

- Reduces the initial cost
- Saves on machine space
- Minimises oil usage
- Reduced maintenance
- More possibilities for machine designers
- Minimises waste
- Supports easy interchange of units and rails





Interchangeability

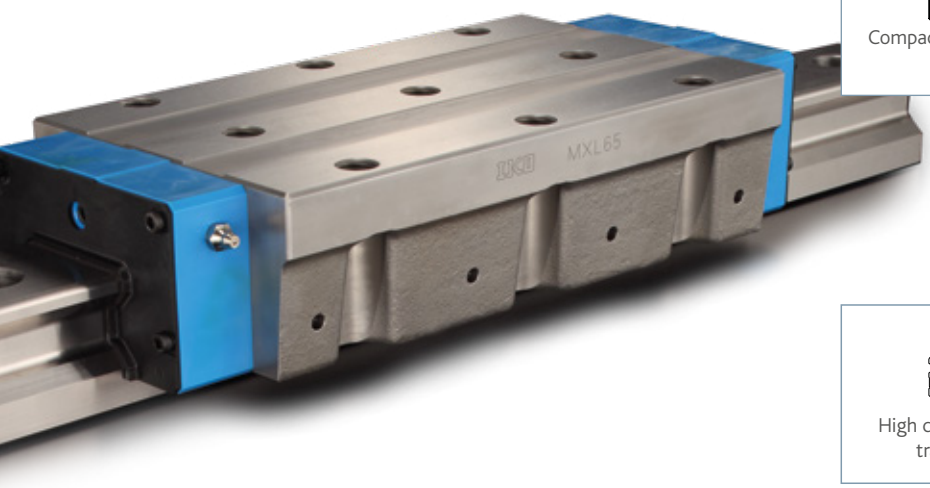
IKO

Many types of slide units are available and every slide unit is interchangeable with the same track rail. A wide variety of slide unit models with different sectional shape and length are provided, for free replacement on the same track rail. The simple design of four-point contacts in a two-row raceway minimises manufacturing and measurement errors, allowing the accurate maintenance of each raceway. The high accuracy of devices can be maintained, even in multiple-use environments.

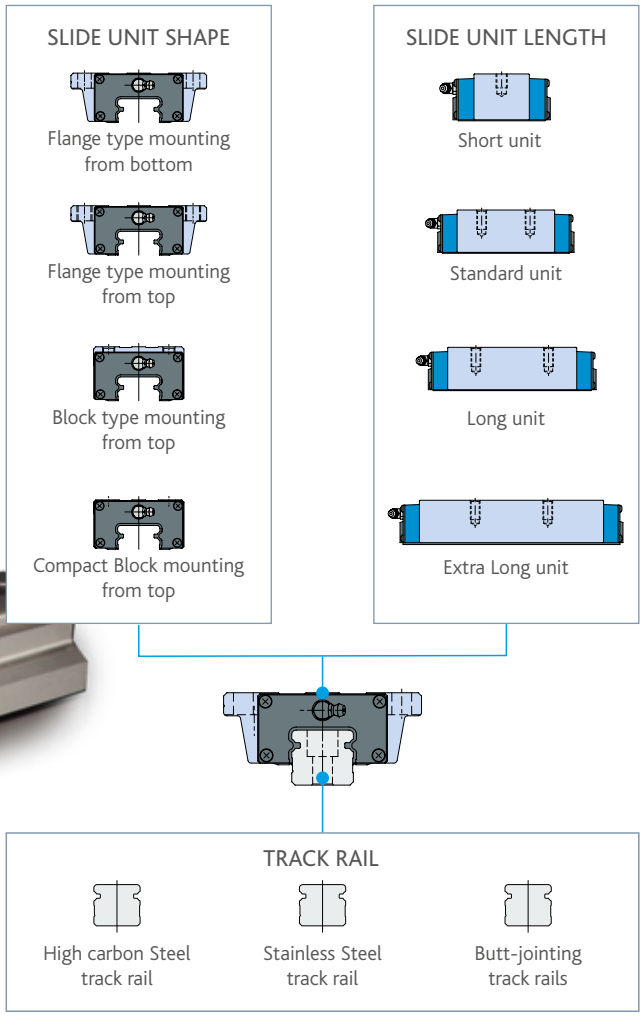
Interchangeable parts are available for short delivery. Slide units and track rails can be ordered individually.

Advantages of Interchangeability

- Accommodate sudden design changes
- Independently adjust accuracy and preload
- Change slide units and track rails separately
- Store slide units and track rails apart to save space



Interchangeability of Slide Unit



Interchangeability of Track Rail

C-Lube Linear Roller Way

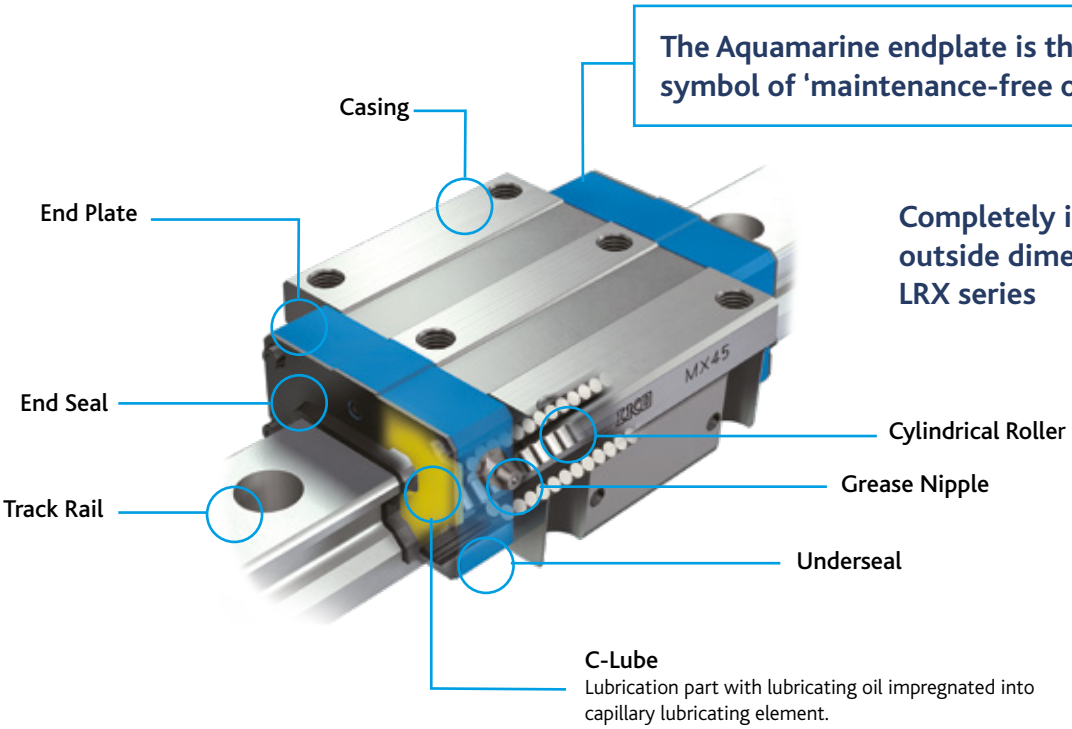
IKO

The highly functional Linear Roller Way Super X LRX has greatly expanded its capabilities, to include features such as maintenance free operation. There are a total of 8 sizes and a complete line-up of 67 models.

C-Lube Linear Roller Way Super MX offers long maintenance free operation by building in a capillary lubricating element to Linear Roller Way Super X LRX . This boasts the highest level of performance from a Linear Motion Rolling Guide Series.

Normally indispensible oil supplying mechanisms for lubrication and oil supply and associated man-hours become unnecessary, greatly reducing maintenance costs.

The Aquamarine endplate is the symbol of 'maintenance-free operation'



Completely interchangeable outside dimensions with the LRX series

Special Environment Availability

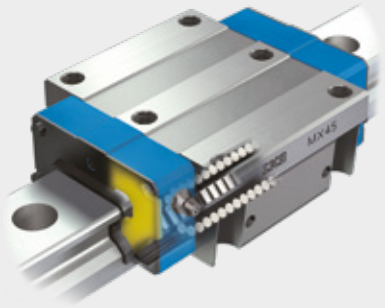
Linear Way and Linear Roller Way are available for various special environments:

- Clean environments
- Vacuum environments
- Heat resistance
- Anti-corrosion
- Dust and foreign substances
- Spatter protection
- Non-magnetic

They use different materials, grease, surface treatments, scrapers and other adaptations to provide trouble-free performance.



Roller Type Linear Motion Rolling Guides



Super MX/LRX

- High performance, reliability, rigidity, and accuracy
- Smooth motion
- Ideally suited for machine tools, semiconductor manufacturing and liquid crystal manufacturing
- Superior cost performance for your machines
- Maintenance free for 20,000 km or 5 years
- Minimises the amount of lubricant required
- Helps protect the global environment

Roller Carriages (MX)

Part No.	Weight (KG)	Size (mm)	Flange Mounting	Length	Structure	Rows
MX15C1HS2	0.2	15	Top/Bottom	Standard	Roller	4
MX20C1HS2	0.44	20	Top/Bottom	Standard	Roller	4
MX25C1T1HS2	0.67	25	Top/Bottom	Standard	Roller	4
MX30C1T1HS2	1.2	30	Top/Bottom	Standard	Roller	4
MX35C1T2HS2	1.76	35	Top/Bottom	Standard	Roller	4

Roller Rail (LRX)

Part No.	Weight (KG)	Size (mm)	Length (mm)	DIM E (mm)**	Hole Pitch (mm)	No of Holes	Structure	Accuracy	Interchangeable	Material*	To Suit Carriage
LRX15R180HS2	0.297	15	180	30	60	3	Roller	High	Yes	HCS	MX15
LRX15R240HS2	0.396	15	240	30	60	4	Roller	High	Yes	HCS	MX15
LRX15R360HS2	0.594	15	360	30	60	6	Roller	High	Yes	HCS	MX15
LRX15R480HS2	0.792	15	480	30	60	8	Roller	High	Yes	HCS	MX15
LRX15R660HS2	1.089	15	660	30	60	11	Roller	High	Yes	HCS	MX15
LRX15R840HS2	1.386	15	840	30	60	14	Roller	High	Yes	HCS	MX15
LRX15R1020HS2	1.683	15	1020	30	60	17	Roller	High	Yes	HCS	MX15
LRX15R1260HS2	2.079	15	1260	30	60	21	Roller	High	Yes	HCS	MX15
LRX15R1440HS2	2.376	15	1440	30	60	24	Roller	High	Yes	HCS	MX15
LRX15R1500HS2	2.475	15	1500	30	60	25	Roller	High	Yes	HCS	MX15
LRX20R240HS2	0.655	20	240	30	60	4	Roller	High	Yes	HCS	MX20
LRX20R480HS2	1.31	20	480	30	60	8	Roller	High	Yes	HCS	MX20
LRX20R660HS2	1.802	20	660	30	60	11	Roller	High	Yes	HCS	MX20
LRX20R840HS2	2.293	20	840	30	60	14	Roller	High	Yes	HCS	MX20
LRX20R1020HS2	2.784	20	1020	30	60	17	Roller	High	Yes	HCS	MX20

HCS = High Carbon Steel **DIM E = Distance from centre of first hole to end of rail

Roller Type Linear Motion Rolling Guides

IKO

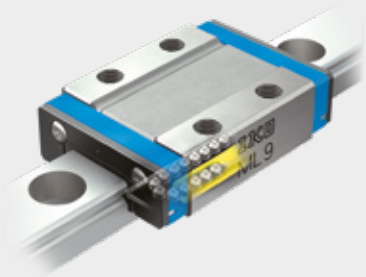
Roller Rail (LRX)											
Part No.	Weight (KG)	Size (mm)	Length (mm)	DIM E (mm)**	Hole Pitch (mm)	No of Holes	Structure	Accuracy	Interchangeable	Material*	To Suit Carriage
LRX20R1200HS2	3.276	20	1200	30	60	20	Roller	High	Yes	HCS	MX20
LRX20R1500HS2	4.095	20	1500	30	60	25	Roller	High	Yes	HCS	MX20
LRX20R1800HS2	4.914	20	1800	30	60	30	Roller	High	Yes	HCS	MX20
LRX20R1980HS2	5.405	20	1980	30	60	33	Roller	High	Yes	HCS	MX20
LRX25R240HS2	0.861	25	240	30	60	4	Roller	High	Yes	HCS	MX25
LRX25R480HS2	1.723	25	480	30	60	8	Roller	High	Yes	HCS	MX25
LRX25R660HS2	2.37	25	660	30	60	11	Roller	High	Yes	HCS	MX25
LRX25R840HS2	3.015	25	840	30	60	14	Roller	High	Yes	HCS	MX25
LRX25R1020HS2	3.662	25	1020	30	60	17	Roller	High	Yes	HCS	MX25
LRX25R1200HS2	4.308	25	1200	30	60	20	Roller	High	Yes	HCS	MX25
LRX25R1500HS2	5.385	25	1500	30	60	25	Roller	High	Yes	HCS	MX25
LRX25R1800HS2	6.462	25	1800	30	60	30	Roller	High	Yes	HCS	MX25
LRX25R2100HS2	7.539	25	2100	30	60	35	Roller	High	Yes	HCS	MX25
LRX25R2400HS2	8.616	25	2400	30	60	40	Roller	High	Yes	HCS	MX25
LRX25R2700HS2	9.693	25	2700	30	60	45	Roller	High	Yes	HCS	MX25
LRX25R3000HS2	10.77	25	3000	30	60	50	Roller	High	Yes	HCS	MX25
LRX30R480HS2	2.405	30	480	40	80	6	Roller	High	Yes	HCS	MX30
LRX30R640HS2	3.206	30	640	40	80	8	Roller	High	Yes	HCS	MX30
LRX30R800HS2	4.008	30	800	40	80	10	Roller	High	Yes	HCS	MX30
LRX30R1040HS2	5.21	30	1040	40	80	13	Roller	High	Yes	HCS	MX30
LRX30R1200HS2	6.01	30	1200	40	80	15	Roller	High	Yes	HCS	MX30
LRX30R1520HS2	7.615	30	1520	40	80	19	Roller	High	Yes	HCS	MX30
LRX30R1840HS2	9.218	30	1840	40	80	23	Roller	High	Yes	HCS	MX30
LRX30R2160HS2	10.822	30	2160	40	80	27	Roller	High	Yes	HCS	MX30
LRX30R2400HS2	12.024	30	2400	40	80	30	Roller	High	Yes	HCS	MX30
LRX30R2720HS2	13.627	30	2720	40	80	34	Roller	High	Yes	HCS	MX30
LRX30R2960HS2	14.83	30	2960	40	80	37	Roller	High	Yes	HCS	MX30
LRX35R480HS2	3.302	35	480	40	80	6	Roller	High	Yes	HCS	MX35
LRX35R640HS2	4.403	35	640	40	80	8	Roller	High	Yes	HCS	MX35
LRX35R800HS2	5.51	35	800	40	80	10	Roller	High	Yes	HCS	MX35
LRX35R1040HS2	7.155	35	1040	40	80	13	Roller	High	Yes	HCS	MX35
LRX35R1200HS2	8.26	35	1200	40	80	15	Roller	High	Yes	HCS	MX35
LRX35R1520HS2	10.46	35	1520	40	80	19	Roller	High	Yes	HCS	MX35
LRX35R1840HS2	12.66	35	1840	40	80	23	Roller	High	Yes	HCS	MX35
LRX35R2160HS2	14.86	35	2160	40	80	27	Roller	High	Yes	HCS	MX35
LRX35R2400HS2	16.787	35	2400	40	80	30	Roller	High	Yes	HCS	MX35
LRX35R2720HS2	18.713	35	2720	40	80	34	Roller	High	Yes	HCS	MX35
LRX35R2960HS2	20.37	35	2960	40	80	37	Roller	High	Yes	HCS	MX35

HCS = High Carbon Steel **DIM E = Distance from centre of first hole to end of rail

IKO Miniature Type C-Lube Linear Way

Miniature Type C-Lube Linear Way

ML



LWL



- High performance, reliability, rigidity, and accuracy
- Smooth motion
- Ideally suited for machine tools, semiconductor and liquid crystal manufacturing
- Superior cost performance for your machines
- Maintenance free for 20,000 km or 5 years
- Minimises the amount of lubricant required
- Helps protect the global environment
- Miniature type linear motion rolling guide
- Two rows of steel balls arranged in four point contact with the raceways
- Stable accuracy and rigidity in operations, under fluctuating loads with changing direction and magnitude or complex loads
- Stainless Steel
- Wide range of shapes and sizes are available
- Selections suitable for each application

Miniature Carriages (ML)

Part No.	Weight (g)	Length	Structure	Rows	Ball Contact	Accuracy	Pre- load	Interchangeable	Material*	To Suit Rail
ML5C1HS2	4.3	Standard	Ball	2	4	High	Standard	Yes	SS	LWL5
ML7C1HS2	9.1	Standard	Ball	2	4	High	Standard	Yes	SS	LWL7
ML9C1HS2	18	Standard	Ball	2	4	High	Standard	Yes	SS	LWL9
ML12C1HS2	34	Standard	Ball	2	4	High	Standard	Yes	SS	LWL12
ML15C1HS2	63	Standard	Ball	2	4	High	Standard	Yes	SS	LWL15

Miniature Rail (LWL)

Part No.	Weight (g)	Size (mm)	Length (mm)	DIM E (mm)**	Hole Pitch (mm)	No of Holes	Structure	Accuracy	Interchangeable	Material*	To Suit Carriage
LWL5R060BHS2	7.2	5	60	7.5	15	4	Ball	High	Yes	SS	ML5C1HS2
LWL5R090BHS2	10.8	5	90	7.5	15	6	Ball	High	Yes	SS	ML5C1HS2
LWL5R105BHS2	12.6	5	105	7.5	15	7	Ball	High	Yes	SS	ML5C1HS2
LWL5R120BHS2	14.4	5	120	7.5	15	8	Ball	High	Yes	SS	ML5C1HS2
LWL5R150BHS2	18	5	150	7.5	15	10	Ball	High	Yes	SS	ML5C1HS2
LWL7R060BHS2	13.2	7	60	7.5	15	4	Ball	High	Yes	SS	ML7C1HS2
LWL7R090BHS2	19.8	7	90	7.5	15	6	Ball	High	Yes	SS	ML7C1HS2
LWL7R120BHS2	26.4	7	120	7.5	15	8	Ball	High	Yes	SS	ML7C1HS2
LWL7R150BHS2	33	7	150	7.5	15	10	Ball	High	Yes	SS	ML7C1HS2
LWL7R180BHS2	39.6	7	180	7.5	15	12	Ball	High	Yes	SS	ML7C1HS2
LWL7R240BHS2	52.8	7	240	7.5	15	16	Ball	High	Yes	SS	ML7C1HS2

*SS = Stainless Steel **DIM E = Distance from centre of first hole to end of rail

24hr Breakdown available | Customisable product | Product code builder | Compatible product

Miniature Type C-Lube Linear Way

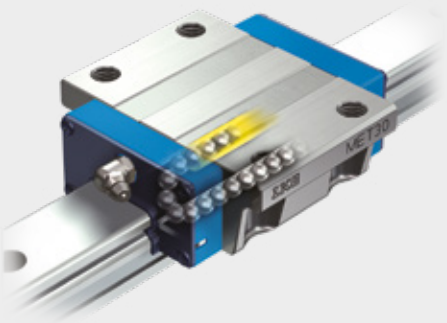
IKO

Miniature Rail (LWL)

Part No.	Weight (g)	Size (mm)	Length (mm)	DIM E (mm)**	Hole Pitch (mm)	No of Holes	Structure	Accuracy	Interchangeable	Material*	To Suit Carriage
LWL7R300BHS2	66	7	300	7.5	15	20	Ball	High	Yes	SS	ML7C1HS2
LWL9R060BHS2	21	9	60	10	20	3	Ball	High	Yes	SS	ML9C1HS2
LWL9R080BHS2	28	9	80	10	20	4	Ball	High	Yes	SS	ML9C1HS2
LWL9R120BHS2	42	9	120	10	20	6	Ball	High	Yes	SS	ML9C1HS2
LWL9R160BHS2	56	9	160	10	20	8	Ball	High	Yes	SS	ML9C1HS2
LWL9R220BHS2	77	9	220	10	20	11	Ball	High	Yes	SS	ML9C1HS2
LWL9R280BHS2	98	9	280	10	20	14	Ball	High	Yes	SS	ML9C1HS2
LWL9R340BHS2	119	9	340	10	20	17	Ball	High	Yes	SS	ML9C1HS2
LWL9R400BHS2	140	9	400	10	20	20	Ball	High	Yes	SS	ML9C1HS2
LWL9R460BHS2	161	9	460	10	20	23	Ball	High	Yes	SS	ML9C1HS2
LWL9R520BHS2	182	9	520	10	20	26	Ball	High	Yes	SS	ML9C1HS2
LWL9R580BHS2	203	9	580	10	20	29	Ball	High	Yes	SS	ML9C1HS2
LWL9R640BHS2	224	9	640	10	20	32	Ball	High	Yes	SS	ML9C1HS2
LWL9R700BHS2	245	9	700	10	20	35	Ball	High	Yes	SS	ML9C1HS2
LWL9R760BHS2	266	9	760	10	20	38	Ball	High	Yes	SS	ML9C1HS2
LWL9R820BHS2	287	9	820	10	20	41	Ball	High	Yes	SS	ML9C1HS2
LWL9R860BHS2	301	9	860	10	20	43	Ball	High	Yes	SS	ML9C1HS2
LWL12R100BHS2	65	12	100	12.5	25	4	Ball	High	Yes	SS	ML12C1HS2
LWL12R150BHS2	97.5	12	150	12.5	25	6	Ball	High	Yes	SS	ML12C1HS2
LWL12R200BHS2	130	12	200	12.5	25	8	Ball	High	Yes	SS	ML12C1HS2
LWL12R275BHS2	178.75	12	275	12.5	25	11	Ball	High	Yes	SS	ML12C1HS2
LWL12R300BHS2	195	12	300	12.5	25	12	Ball	High	Yes	SS	ML12C1HS2
LWL12R350BHS2	227.5	12	350	12.5	25	14	Ball	High	Yes	SS	ML12C1HS2
LWL12R400BHS2	260	12	400	12.5	25	16	Ball	High	Yes	SS	ML12C1HS2
LWL12R450BHS2	292.5	12	450	12.5	25	18	Ball	High	Yes	SS	ML12C1HS2
LWL12R475BHS2	308.75	12	475	12.5	25	19	Ball	High	Yes	SS	ML12C1HS2
LWL12R500BHS2	325	12	500	12.5	25	20	Ball	High	Yes	SS	ML12C1HS2
LWL12R550BHS2	357.5	12	550	12.5	25	22	Ball	High	Yes	SS	ML12C1HS2
LWL12R600BHS2	390	12	600	12.5	25	24	Ball	High	Yes	SS	ML12C1HS2
LWL12R700BHS2	455	12	700	12.5	25	28	Ball	High	Yes	SS	ML12C1HS2
LWL12R800BHS2	520	12	800	12.5	25	32	Ball	High	Yes	SS	ML12C1HS2
LWL12R900BHS2	585	12	900	12.5	25	36	Ball	High	Yes	SS	ML12C1HS2
LWL12R1000BHS2	650	12	1000	12.5	25	40	Ball	High	Yes	SS	ML12C1HS2
LWL15R160BHS2	171.2	15	160	20	40	4	Ball	High	Yes	SS	ML15C1HS2
LWL15R240BHS2	256.8	15	240	20	40	6	Ball	High	Yes	SS	ML15C1HS2
LWL15R320BHS2	342.4	15	320	20	40	8	Ball	High	Yes	SS	ML15C1HS2
LWL15R440BHS2	470.8	15	440	20	40	11	Ball	High	Yes	SS	ML15C1HS2
LWL15R560BHS2	599.2	15	560	20	40	14	Ball	High	Yes	SS	ML15C1HS2
LWL15R600BHS2	642	15	600	20	40	15	Ball	High	Yes	SS	ML15C1HS2
LWL15R680BHS2	727.6	15	680	20	40	17	Ball	High	Yes	SS	ML15C1HS2
LWL15R720BHS2	770.4	15	720	20	40	18	Ball	High	Yes	SS	ML15C1HS2
LWL15R800BHS2	856	15	800	20	40	20	Ball	High	Yes	SS	ML15C1HS2
LWL15R880BHS2	941.6	15	880	20	40	22	Ball	High	Yes	SS	ML15C1HS2
LWL15R960BHS2	1027.2	15	960	20	40	24	Ball	High	Yes	SS	ML15C1HS2
LWL15R1000BHS2	1070	15	1000	20	40	25	Ball	High	Yes	SS	ML15C1HS2

*SS = Stainless Steel **DIM E = Distance from centre of first hole to end of rail

Ball Type C-Lube Linear Way



MH/LWH

- Built in lubricating parts
- Long term maintenance free running can be achieved
- High rigidity
- Performs endless linear motion along a track rail
- Two rows of steel balls arranged in four point contact with the raceways
- Stable high accuracy and rigidity in operations, even under fluctuating loads with changing direction and magnitude or complex loads
- A wide range of shapes and sizes are available
- LWH series features the largest load ratings and rigidity among all ball types

Ball Carriages (MH)

Part No.	Weight (kg)	Size (mm)	Length	Structure	Rows	Ball Contact	Accuracy	Pre- load	Interchangeable	Material*	To Suit Rail
MHT15C1HS2	0.22	15	Standard	Ball	2	4	High	Standard	Yes	HCS	LWH15
MHT20C1HS2	0.48	20	Standard	Ball	2	4	High	Standard	Yes	HCS	LWH20
MHT25C1HS2	0.7	25	Standard	Ball	2	4	High	Standard	Yes	HCS	LWH25
MHT30C1HS2	1.28	30	Standard	Ball	2	4	High	Standard	Yes	HCS	LWH30
MHT35C1HS2	1.79	35	Standard	Ball	2	4	High	Standard	Yes	HCS	LWH35
MHT45C1HS2	3.17	45	Standard	Ball	2	4	High	Standard	Yes	HCS	LWH45

Ball Rail (LWH)

Part No.	Weight (kg)	Size (mm)	Length (mm)	DIM E (mm)**	Hole Pitch (mm)	No of Holes	Structure	Accuracy	Interchangeable	Material*	To Suit Carriage
LWH15R180BHS2	0.265	15	180	30	60	3	Ball	High	Yes	HCS	MHT15
LWH15R240BHS2	0.353	15	240	30	60	4	Ball	High	Yes	HCS	MHT15
LWH15R360BHS2	0.523	15	360	30	60	6	Ball	High	Yes	HCS	MHT15
LWH15R480BHS2	0.706	15	480	30	60	8	Ball	High	Yes	HCS	MHT15
LWH15R660BHS2	0.9702	15	660	30	60	11	Ball	High	Yes	HCS	MHT15
LWH15R900BHS2	1.323	15	900	30	60	15	Ball	High	Yes	HCS	MHT15
LWH15R1200BHS2	1.764	15	1200	30	60	20	Ball	High	Yes	HCS	MHT15
LWH15R1500BHS2	2.205	15	1500	30	60	25	Ball	High	Yes	HCS	MHT15
LWH20R240BHS2	0.615	20	240	30	60	4	Ball	High	Yes	HCS	MHT20
LWH20R480BHS2	1.228	20	480	30	60	8	Ball	High	Yes	HCS	MHT20
LWH20R660BHS2	1.69	20	660	30	60	11	Ball	High	Yes	HCS	MHT20
LWH20R840BHS2	2.151	20	840	30	60	14	Ball	High	Yes	HCS	MHT20
LWH20R1020BHS2	2.611	20	1020	30	60	17	Ball	High	Yes	HCS	MHT20
LWH20R1200BHS2	3.072	20	1200	30	60	20	Ball	High	Yes	HCS	MHT20
LWH20R1500BHS2	3.84	20	1500	30	60	25	Ball	High	Yes	HCS	MHT20
LWH20R1600BHS2	4.096	20	1600	30	60	26	Ball	High	Yes	HCS	MHT20

*HCS = High Carbon Steel **DIM E = Distance from centre of first hole to end of rail

Ball Type C-Lube Linear Way

IKO

Ball Rail (LWH)

Part No.	Weight (kg)	Size (mm)	Length (mm)	DIM E (mm)**	Hole Pitch (mm)	No of Holes	Structure	Accuracy	Interchangeable	Material*	To Suit Carriage
LWH25R240BHS2	0.84	25	240	30	60	4	Ball	High	Yes	HCS	MHT25
LWH25R480BHS2	1.68	25	480	30	60	8	Ball	High	Yes	HCS	MHT25
LWH25R660BHS2	2.31	25	660	30	60	11	Ball	High	Yes	HCS	MHT25
LWH25R840BHS2	2.94	25	840	30	60	14	Ball	High	Yes	HCS	MHT25
LWH25R1020BHS2	3.57	25	1020	30	60	17	Ball	High	Yes	HCS	MHT25
LWH25R1200BHS2	4.2	25	1200	30	60	20	Ball	High	Yes	HCS	MHT25
LWH25R1500BHS2	5.25	25	1500	30	60	25	Ball	High	Yes	HCS	MHT25
LWH25R1600BHS2	5.6	25	1600	30	60	26	Ball	High	Yes	HCS	MHT25
LWH30R480BHS2	2.314	30	480	40	80	6	Ball	High	Yes	HCS	MHT30
LWH30R640BHS2	3.085	30	640	40	80	8	Ball	High	Yes	HCS	MHT30
LWH30R800BHS2	3.856	30	800	40	80	10	Ball	High	Yes	HCS	MHT30
LWH30R1040BHS2	5.013	30	1040	40	80	13	Ball	High	Yes	HCS	MHT30
LWH30R1200BHS2	5.784	30	1200	40	80	15	Ball	High	Yes	HCS	MHT30
LWH30R1520BHS2	7.326	30	1520	40	80	19	Ball	High	Yes	HCS	MHT30
LWH30R1600BHS2	7.712	30	1600	40	80	20	Ball	High	Yes	HCS	MHT30
LWH35R480BHS2	3.288	35	480	40	80	6	Ball	High	Yes	HCS	MHT35
LWH35R640BHS2	4.384	35	640	40	80	8	Ball	High	Yes	HCS	MHT35
LWH35R800BHS2	5.48	35	800	40	80	10	Ball	High	Yes	HCS	MHT35
LWH35R1040BHS2	11.13	35	1040	40	80	13	Ball	High	Yes	HCS	MHT35
LWH35R1200BHS2	8.22	35	1200	40	80	15	Ball	High	Yes	HCS	MHT35
LWH35R1520BHS2	10.41	35	1520	40	80	19	Ball	High	Yes	HCS	MHT35
LWH35R1600BHS2	10.96	35	1600	40	80	20	Ball	High	Yes	HCS	MHT35
LWH45R840BHS2	8.99	45	840	52.5	105	8	Ball	High	Yes	HCS	MHT45
LWH45R1050BHS2	11.24	45	1050	52.5	105	10	Ball	High	Yes	HCS	MHT45
LWH45R1260BHS2	13.48	45	1260	52.5	105	12	Ball	High	Yes	HCS	MHT45
LWH45R1470BHS2	15.73	45	1470	52.5	105	14	Ball	High	Yes	HCS	MHT45
LWH45R1575BHS2	16.85	45	1575	52.5	105	15	Ball	High	Yes	HCS	MHT45
LWH45R1600BHS2	17.12	45	1600	52.5	105	15	Ball	High	Yes	HCS	MHT45

*HCS = High Carbon Steel **DIM E = Distance from centre of first hole to end of rail

Also available

ME/LWE



- Compact type

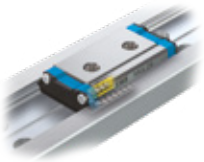
MV

- High load capacity
- Maximum downward load rating
- Extra low profile
- Light weight
- Built in lubricating parts
- Long term maintenance free running can be achieved



MU/LWU

- U-shaped track rail
- Built in lubricating parts
- Long term maintenance free running can be achieved
- LWU series - Raceways on inside surface of track rail
- Much higher rigidity compared with a rectangular cross-section
- Can be used by itself as a structural member in machines and equipment, in a cantilever position or being supported at both ends



Precision Ball & Linear Slides

IKO

High Rigidity Precision Ball Slide



BWU

- Compact
- Limited stroke length
- Two rows of steel balls in four point contact with the raceways
- Stable accuracy and high rigidity are obtained, even under fluctuating and complex loads

Precision Linear Slide



BSP



BSPG

- Lightweight and compact
- U-shaped table and bed
- Stainless steel
- High performance and durability
- Ideal measuring equipment, disk drives, IC manufacturing and inspection devices
- Wide variety of sizes available



Anti-Creep Crossed Roller Way

IKO

Anti-Creep Crossed Roller Way



CRW(G)

- Anti-Creep Cage Crossed Roller Way Unit
- Cage creep proof function
- Rack and pinion mechanism
- Smooth linear motion
- Super high accuracy

Anti-Creep Crossed Roller Way



CRWU(G)

- Rolling guide unit for limited stroke linear motion
- High rigidity table and bed
- Elastic deformation under load is minimal in all directions
- Very smooth linear motion
- Wide variety of sizes available

Anti-Creep Crossed Roller Way



CRWU...R(S)

- Low sectional height
- Stable accuracy and high rigidity in linear motion against loads in any direction
- Compact linear motion rolling guide unit
- Simple lightweight structure
- Ideal for applications in which the centre way is stroked and high accuracy with low inertia is required

Anti-Creep Crossed Roller Way



CRWM

- Module type Crossed Roller Way

Ball Bushings

IKO



LME

- Simple replacement for rolling guide without major design changes.
- Wide range of variations for your needs
- For each dimensional series, standard, adjustable clearance, and open types are available with and without seals.
- Stainless steel highly resistant to corrosion. Ideal for applications where rust prevention oil is not preferred, such as in a cleanroom environment.

Compact Linear Bushing							
Part No.	Weight (g)	d (mm)	D (mm)	L (mm)	Sealed	Material Type	Retainer Material
LK1630	24.4	16	24	30	Without seal	Pressed steel	Synthetic resin
LK2030	29.5	20	28	30	Without seal	Pressed steel	Synthetic resin
LK2540	61.4	25	35	40	Without seal	Pressed steel	Synthetic resin
LK3050	88.2	30	40	50	Without seal	Pressed steel	Synthetic resin

Standard Type							
Part No.	Weight (g)	d (mm)	D (mm)	L (mm)	Sealed	Material Type	Retainer Material
LME162636UU	59	16	26	36	Two end seals	Carbon steel	High carbon steel
LME203245UU	92	20	32	45	Two end seals	Carbon steel	High carbon steel
LME254058UU	240	25	40	58	Two end seals	Carbon steel	High carbon steel
LME304768UU	360	30	47	68	Two end seals	Carbon steel	High carbon steel
LME81625NUU	20	8	16	25	Two end seals	Carbon steel	Synthetic resin
LME122232NUU	41	12	22	32	Two end seals	Carbon steel	Synthetic resin
LME162636NUU	56.5	16	26	36	Two end seals	Carbon steel	Synthetic resin
LME203245NUU	92	20	32	45	Two end seals	Carbon steel	Synthetic resin
LME254058NUU	220	25	40	58	Two end seals	Carbon steel	Synthetic resin

Miniature Stroke Rotary Bushing

IKO

Miniature Stroke Rotary Bushing



STSI

- Compact, small diameter and low sectional height
- Able to achieve rotary and linear motion at the same time
- High accuracy and low frictional resistance

Ball Splines

IKO

C-Lube Linear Ball Spline



MAG

- Compact linear motion rolling guide
- Achieves the endless linear motion of an external cylinder along a spline shaft
- Provides superior cost performance for your machines
- Maintenance free for 20,000 km or 5 years
- Minimizes the amount of lubricant required and helps protect the global environment
- Stable high accuracy and rigidity even under fluctuating loads with changing direction and magnitude or complex loads

Linear Ball Spline



G LSAG

- Linear motion rolling guide
- Achieves the endless linear motion of an external cylinder along a spline shaft
- Simple compact design
- Two rows of Steel balls are arranged in four point contact with the raceways
- Stable high accuracy and rigidity even under fluctuating loads with changing direction and magnitude or complex loads

Block Type Linear Ball Spline



LSB

- Linear motion rolling guide
- Features a slide unit which performs endless linear motion along a spline shaft
- Two rows of steel balls are arranged in four point contact with the raceways
- Design ensures stable high accuracy and rigidity even under fluctuating loads with changing direction and magnitude or complex loads

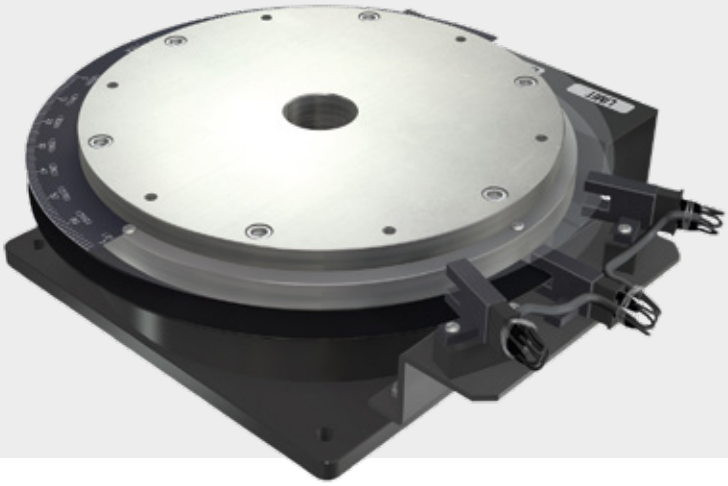
Stroke Ball Spline



LS

- Extremely smooth opertaion even when used for vertical axis
- Minimal variations in the sliding resistance value
- Compact design
- High rigidity in all directions
- No gap in the rotating direction
- Accurate positioning is possible

Precision Positioning Tables



Mechatronics Series Precision Positioning Tables

The Precision Positioning Table Series combines precision machining technology and electronics. With a wide range, from module type tables to high-precision versions, the Precision Positioning Table Series is ideal for a variety of applications, from semiconductor or flat panel display manufacturing equipment, to precision equipment. It can also contribute to an overall reduction in design and assembly time.

Precision Positioning Table



TE

- High-strength Aluminium alloy is used for main components
- Lightweight, low profile and compact positioning table
- High accuracy positioning
- Long term maintenance free specification with C-Lube built in
- Excellent cost performance

Precision Positioning Table



TU

- Original high rigidity U-shaped track rail adopted
- Various table specifications are available according to your use
- Slide table with high accuracy and high rigidity in a single structure
- Easy ordering just by specifying the identification number for the required functions and performance

LINEAR LINEAR ALIGNMENT LINEAR

Precision Positioning Tables

IKO

Precision Positioning Table



L

- Standard type highly-proven in various fields
- Parallel arrangement of Linear Ways with stable performance
- High running accuracy and positioning accuracy
- Many size variations support easy multi-axis system configurations
- Long term maintenance-free specification with C-Lube built in

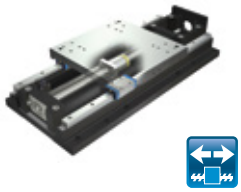
Precision Positioning Table



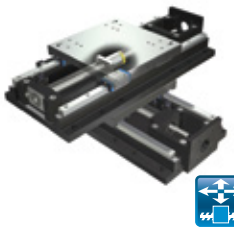
LB

- Timing belt drive achieves high speed travel at 1,500mm/s
- Parallel arrangement of Linear Way ensures stable and high performance operation
- Long stroke up to 1,200mm

Precision Positioning Tables



LH - Single axis



CTLH - Two axis

- Rigorously selected component parts ensure high accuracy and reliability
- High rigidity and large carrying mass
- High running accuracy and positioning accuracy
- The series including ultra large size with table width of 420mm
- Long term maintenance-free specification with C-Lube built in

Precision Positioning Tables



TS - Single axis



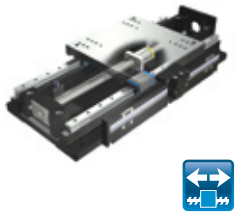
CT- Two axis

- Compact structure with low profile
- Crossed Roller Way guaranteeing high reliability and high accuracy positioning
- Compact design achieved by utlising wide area of slide table

LINEAR LINEAR ALIGNMENT LINEAR

Precision Positioning & Elevating Tables

Super Precision Positioning Tables



TX - Single axis



CTX - Two axis

- Achieved ultimate positioning performance with rolling guide type
- Fully-closed loop control equipped with super high accuracy linear encoder ensuring high accuracy
- Control method selectable according to needs
- Long term maintenance-free specification with C-Lube built in

Cleanroom Precision Positioning Table



TC

- Optional for use in high cleanliness environment for semiconductor and LCD manufacturing machines
- Light weight, low profile and compact positioning table
- Compatible with cleanliness class 3
- Long term maintenance-free specification with C-Lube built in

Micro Precision Positioning Table



TM

- Ground ball screw drive offers an ultra-small size with sectional height of 20mm and width of 17mm.
- High positioning accuracy and excellent durability
- Two types of slide table shapes selectable according to needs
- Super-miniature sensor can be built in

Precision Elevating Table



TZ

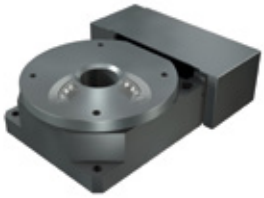
- Unique wedge mechanism ensures compact and high accuracy vertical positioning
- TZ...X achieving high accuracy and high rigidity through adoption of C-Lube Linear Roller Way Super MX
- Linear encoder mountable
- Long term maintenance-free with C-Lube built in
- A series of two types of reduction ratios

LINEAR LINEAR ALIGNMENT LINEAR

Alignment Table & Module

IKO

Alignment Table



AT

- High accuracy positioning ensuring precise angle correction
- Crossed Roller Bearing ensures high rigidity and compactness
- High positioning repeatability
- A series of 3 sizes

Alignment Module



AM

- Supports free designing of stage according to your requirements
- Control tolerance of height within ±10μm
- Variety of positioning operations in combination of X, Y, and θ
- Ideal for large equipment
- High accuracy, high rigidity, and high reliability

LINEAR LINEAR ALIGNMENT LINEAR



See NTN Linear Tables – Page 927

Continental



STRENGTH.
SILENCE. EFFICIENCY.

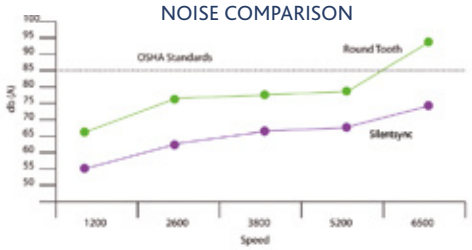


Conti® Silentsync is the perfect complement for today's high efficiency rated motors.

Because Vee belt and chain drives quickly lose initial tension, they typically run in the lower portion of their efficiency range. Conti® Silentsync is a self-tracking timing belt made for very quiet and reduced vibration operation, which will continually run at about 98% efficiency. This makes it an excellent choice for horizontal drives.

Features

- **Temperature range from -40°C to +95°C**
- **Electrically conductive (Anti-static) to ISO9563**
- **Very low-noise**
- **Low vibration**
- **Resistant to ageing and ozone**
- **Conditionally oil-resistant**
- **Maintenance-free to reduce downtime**
- **Increased horsepower**
- **Reduced drive width and weight**



Applications

- **High energy consuming drives**
- **Drives that run continuously**
- **Drives that increase energy consumption during peak periods**



SilentSync® Timing Pulleys

TransDev were one of the first companies in Europe to be awarded a licence to manufacture SilentSync® made-to-order Pulleys. We manufacture all SilentSync® pitches and belt width pulleys up to one metre diameter.

For all sizes over this figure please discuss your specific requirements with our manufacturing department.



For **SILENTSYNC** see page 237

BELTS PULLEYS CHAIN SPROCKETS GEARS BEARINGS LINEAR HARDWARE PLASTICS

TransDev®
THE POWER IN MOTION



HARDWARE

Introduction 954

Bushes 957
- *Taper* 958
- *Drivelock Shaft Locking Elements (Steel)* 960
- *Drivelock Shaft Locking Elements (Stainless Steel)* 975
- *Translock Mini Keyless Shaft Locking Bushes (Steel)* 978
- *Translock Mini Keyless Shaft Locking Bushes (Stainless Steel)* 980

Couplings 981
- *Rigid Couplings* 982
- *Beam Couplings* 984
- *HRC Parallel Bore Flexible Shaft Couplings* 988
- *HRC Taper Bore Flexible Shaft Couplings* 989
- *HRC Flexible Shaft Couplings Technical Data* 990
- *Jaw Couplings* 992
- *Chain Couplings* 993
- *Nylon Sleeve Gear Couplings* 994
- *Taper Bore Tyre Couplings* 996

Shaft Collars 998
- *Metric Bore (Steel & Stainless Steel)* 999
- *Imperial Bore (Steel & Stainless Steel)* 1002

Driveflex Metric Splines and Bushes 1124
- *Steel Splines* 1125
- *Stainless Steel Splines* 1126
- *Steel Bushes* 1127
- *Stainless Steel Bushes* 1128

Driveflex Metric Keys and Key Steels 1129
- *Metric Parallel Keys* 1130
- *Metric Key Steels* 1135
- *Metric Keys* 1130
- *Key Steels* 1135

Universal Joints 1006
- *Standard & Long Series* 1007
- *Stainless Series* 1011
- *Long Series (Unbored)* 1013
- *TransDev Universal Joint Protective Gaiters* 1015

Trapezoidal Screws 1016
- *Screws* 1017
- *Nuts* 1021
- *Technical Specifications* 1026

RESATEC® 1031
- *Universal Tensioners* 1032
- *Sprocket Set Tensioners* 1038
- *Chain Riders* 1041
- *Roller Set Tensioners* 1042
- *Mounting Clamps & Supports* 1043
- *Rubber Suspension Units* 1044
- *Oscillating Mountings* 1048
- *Anti-Vibration-Dampers & Mountings* 1054
- *Levelling Feet* 1057
- *Noise and Vibration-Limiting Plates* 1059

Twin Column Chain Tensioning 1061



Hardware

THE LEADER OF THE HARDWARE PACK

TransDev stocks a wide array of power transmission and conveying related hardware components. From couplings to bushes, universal joints and chain tensioners, TransDev offer a complete drive solution.



TransDev Hardware

TransDev brands, such as Translock and Drivelock bushes, are joined by carefully sourced third party brands. These include Resatec® Chain Tensioners, a market leader based in Switzerland. These provide our customers with the peace of mind that they are sourcing the best quality, whilst still enjoying competitive pricing, excellent service and timely delivery.

Our stock of high quality components are manufactured according to relevant ISO or RMA standards and help ensure that performance is not compromised.

If we don't stock it, or it is a special design,our Special Manufacturing services can provide bespoke options, customisation and reworking to your specific requirements.



Visit transdev.co.uk to download a brochure



DRIVEFLEX DRIVELOCK TRANSLOCK

Our Hardware Range

- Bushes
- Collars
- Couplings
- Trapezoidal Screws & Nuts
- Universal joints
- Special manufacturing also available



Delivering picking accuracy

Our Kardex storage and retrieval machines, which hold the bulk of our hardware stock, ensure that orders are processed quickly and efficiently.



Machine Mounting

RESATEC

- Manufactured by Swiss based RESATEC AG
- Rubber Suspension Units with various accessories as a mechanical engineering part
- Screen Mountings for the mounting of oscillating screens and oscillating conveyors
- Oscillating Mountings for the mounting of guided shaker machines
- Anti-vibration Mounting for the isolation and damping of nuisance vibrations
- Tensioner Devices with various accessories for the tensioning of chains and belts







BRECO flex®
TIMING BELTS

A NEW BRECO® FAMILY MEMBER KEEPS YOU MOVING

BRECOFLEX*move*® is a Polyurethane timing belt specifically designed for high-performance drives and traction drives with a particularly high stiffness requirement.

A newly developed steel cord tension member increases belt stiffness and tear-resistance, making transmission of stronger forces possible. The tooth flank geometry has been optimised through the Finite Element Method (FEM). This leads to an optimisation of the contact pressure distribution and reduces the work of friction between the timing belts and tooth washer, thus minimising wear. In addition, a friction-optimised laminate coating is applied to the tooth side.

- **FEM optimised tooth flank geometry**
- **Newly developed tension member for transmission of stronger forces**
- **Minimised wear due to a laminate coating**
- **Space saver due to the option of choosing a narrower belt width**
- **NEW BRECOmove open-length now available**



NEW

Introducing the latest addition to the pride.
BRECO®*move*
open-length belts.

BRECO® *Keeps You Moving*

For BRECO® & BRECOFLEX®*move* see page 155

BELTS PULLEYS CHAIN SPROCKETS GEARS BEARINGS LINEAR HARDWARE PLASTICS

TransDev®
THE POWER IN MOTION

DRIVEFLEX DRIVELOCK

TRANSLOCK

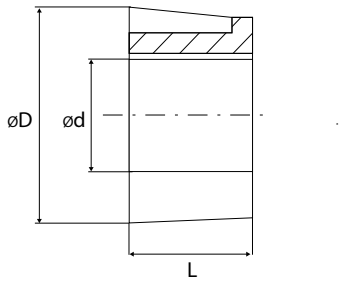
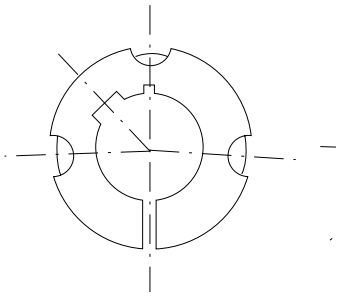
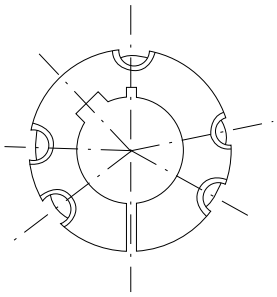
Bushes



- DRIVELOCK & TRANSLOCK
- TAPER BUSHES AVAILABLE
- IMPERIAL AND METRIC
- LOW TO HIGH TORQUE
- SELF CENTERING VARIANTS
- KEYLESS LOCKING VARIANTS

Taper Bushes

DRIVEFLEX

Taper Bushes		
		
TYPE A	TYPE A - 3 holes	TYPE B - 5 holes

Size	Type	L (mm)	Ø D	Grubscrew/ caphead size (BSW)	Grubscrew/ caphead torque (Nm)	Approx. weight (Kg)
1008	A	22	35	1/4" x 1/2"	5.6	0.11
1108	A	22	38	1/4" x 1/2"	5.6	0.12
1210	A	25	47.5	3/8" x 5/8"	19.6	0.23
1215	A	38	47.5	3/8" x 5/8"	19.6	0.35
1310	A	25	50	3/8" x 5/8"	19.6	0.35
1610	A	25	57	3/8" x 5/8"	19.6	0.35
1615	A	38	57	3/8" x 5/8"	19.6	0.45
2012	A	32	70	7/16" x 7/8"	30.4	0.68
2517	A	45	85.5	1/2" x 1"	48	1.5
3020	A	51	108	5/8" x 1 1/4"	90	1.9
3030	A	76	108	5/8" x 1 1/2"	90	2.7
3525	B	65	127	1/2" x 1 1/2"	113	3.6
3535	B	89	127	1/2" x 1 1/2"	113	4
4030	B	76	146	5/8" x 1 1/2"	169	5
4040	B	102	146	5/8" x 1 3/4"	169	7.7
4545	B	115	162	3/4" x 2"	192	10
5050	B	127	177.6	7/8" x 2 1/4"	272	14



Taper Bushes

DRIVEFLEX

Taper bushes metric

Size	Type	Bore (millimetres)																			
1008	A	10	11	12	14	15	16	18	19	20	22	24	25								
1108	A	10	11	12	14	15	16	18	19	20	22	24	25	28							
1210	A	11	12	14	15	16	18	19	20	22	24	25	26	28	30	32					
1215	A	12	14	16	18	19	20	22	24	25	26	28	30	32							
1310	A	14	16	18	19	20	22	24	25	28	30	32	35								
1610	A	12	14	15	16	18	19	20	22	24	25	28	30	32	35	38	40	42			
1615	A	14	15	16	18	19	20	22	24	25	28	30	32	35	38	40	42				
2012	A	14	16	18	19	20	22	24	25	28	30	32	35	38	40	42	45	48	50		
2517	A	16	18	19	20	22	24	25	28	30	32	35	38	40	42	45	48	50	55	60	65
3020	A	25	28	30	32	35	38	40	42	45	48	50	55	60	65	70	75				
3030	A	35	38	40	42	45	48	50	55	60	65	70	75								
3525	B	35	38	40	42	45	48	50	55	60	65	70	75	80	85	90					
3535	B	35	38	40	42	45	48	50	55	60	65	70	75	80	85	90					
4040	B	40	42	45	48	50	55	60	65	70	75	80	85	90	95	100					
4545	B	60	65	70	75	80	85	90	95	100	105	110									
5050	B	75	80	85	90	95	100	105	110	115	120	125									

Taper bushes imperial

Size	Type	Bore (inches)														
1008	A	3/8"	1/2"	5/8"	3/4"	7/8"	1"									
1108	A	3/8"	1/2"	5/8"	3/4"	7/8"	1"	1 1/8"								
1210	A	1/2"	5/8"	3/4"	7/8"	1"	1 1/8"	1 1/4"								
1215	A	3/4"	7/8"	1"	1 1/8"											
1310	A	1/2"	5/8"	3/4"	7/8"	1"	1 1/8"	1 1/4"	1 3/8"							
1610	A	1/2"	5/8"	3/4"	7/8"	1"	1 1/8"	1 1/4"	1 3/8"	1 1/2"	1 5/8"					
1615	A	1/2"	5/8"	3/4"	7/8"	1"	1 1/8"	1 1/4"	1 3/8"	1 1/2"	1 5/8"					
2012	A	5/8"	3/4"	7/8"	1"	1 1/8"	1 1/4"	1 3/8"	1 1/2"	1 5/8"	1 3/4"	1 7/8"	2"			
2517	A	3/4"	7/8"	1"	1 1/8"	1 1/4"	1 3/8"	1 1/2"	1 5/8"	1 3/4"	1 7/8"	2"	2 1/8"	2 1/4"	2 3/8"	2 1/2"
3020	A	1 1/8"	1 1/4"	1 3/8"	1 1/2"	1 5/8"	1 3/4"	1 7/8"	2"	2 1/8"	2 1/4"	2 3/8"	2 1/2"	2 5/8"	2 3/4"	2 7/8"	3"
3030	A	1 1/4"	1 3/8"	1 1/2"	1 5/8"	1 3/4"	1 7/8"	2"	2 1/8"	2 1/4"	2 3/8"	2 1/2"	2 5/8"	2 3/4"	2 7/8"	3"
3525	B	1 5/8"	1 3/4"	1 7/8"	2"	2 1/8"	2 1/4"	2 3/8"	2 1/2"	2 3/4"	2 7/8"	3"	3 1/4"	3 1/2"		
3535	B	1 1/2"	1 3/4"	1 7/8"	2"	2 1/8"	2 1/4"	2 3/8"	2 1/2"	2 5/8"	2 3/4"	2 7/8"	3"	3 1/4"	3 1/2"	
4040	B	1 3/4"	1 7/8"	2"	2 1/8"	2 1/4"	2 3/8"	2 1/2"	2 5/8"	2 3/4"	2 7/8"	3"	3 1/4"	3 1/2"	3 3/4"	4"
4545	B	2 1/4"	2 3/8"	2 1/2"	2 3/4"	3"	3 1/4"	3 1/2"	3 3/4"	4"	4 1/4"	4 1/2"				
5050	B	3"	3 1/4"	3 1/2"	3 3/4"	4"	4 1/4"	4 1/2"	4 3/4"	5"						

DRIVELOCK® Bushes Shaft Locking Elements

DRIVELOCK

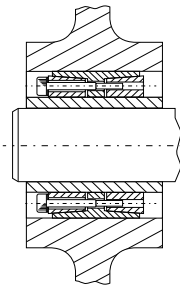
Type		Bores (mm)		Torque Range (Nm)		Self centering	Notes
		min.	max.	min.	max.		
	DL11	25	300	784	419860	yes	Very high torques possible
	DL13	18	180	350	46900	yes	High torques possible
	DL15	14	50*	282	2700	yes	Medium torques possible * reinforced
	DL16	18	180	264	37000	yes	Medium torques possible
	DL19	24	165	170	39000	n/a	External clamping. Excellent concentricity. Medium - high torques
	DL40	19	220	290	66800	no	Medium - high torques
	DL40SS	20	50	110	700	no	Stainless Steel. Low torques
	DL45	18	80	190	4800	no	Medium torques
	DL50	6	70	2.4	1300	no	Small radial dimensions Low torques
	DL61	5	50	5	1900	yes	Medium torques
	DL61SS	6	40	3	400	yes	Stainless Steel. Low torques
	DL70	19	180	353	40500	yes	High torques possible
	DL71	19	180	294	33600	yes	Medium - high torques
	DL80	6	100	12	14800	yes	For thin walled hubs Low - medium torques
	DL80SS	10	50	22	910	yes	Stainless Steel. For thin walled hubs. Low torques
	DL95	17	80	200	4280	n/a	For connection of coaxial shafts

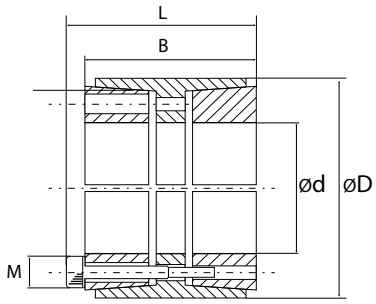
Glossary	
SS	Stainless Steel
Ts (Nm)	Screw/bolt tightening torque
T (Nm)	Torque transmissible with tightening torque Ts
F (kN)	Force transmissible with tightening torque Ts
P (N/mm^2)	Hub/shaft surface pressure

DRIVELOCK® 11 Bushes

DRIVELOCK

DRIVELOCK® Bushes





TYPE DL11



Machining data

Recommended shaft & hub tolerances for full torque transmission are:

Shafts	h8	Hub	H8

- Self-centering
- Very High torques 784 to 419860 Nm
- Bores 25 to 300mm
- Imperial bore also available*

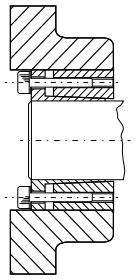
Stock no.	d (h8) (mm)	D (mm)	M (screws)	L (mm)	B (mm)	Ts (Nm)	T (Nm)	F (kN)	p (N/mm²)
DL11/ 25	25	55	M6	46	40	17	784	65	99
DL11/ 28	28	55	M6	46	40	17	882	65	99
DL11/ 30	30	55	M6	46	40	17	931	65	99
DL11/ 35	35	60	M6	60	54	17	1274	72	85
DL11/ 38	38	75	M8	62	54	41	2696	142	113
DL11/ 40	40	75	M8	62	54	41	2843	142	113
DL11/ 42	42	75	M8	62	54	41	2981	142	113
DL11/ 45	45	75	M8	62	54	41	3196	142	113
DL11/ 48	48	80	M8	62	54	41	3873	161	96
DL11/ 50	50	80	M8	72	64	41	4069	161	96
DL11/ 55	55	85	M8	72	64	41	5050	182	101
DL11/ 60	60	90	M8	72	64	41	6080	203	103
DL11/ 65	65	95	M8	72	64	41	6619	203	98
DL11/ 70	70	110	M8	88	78	83	11277	322	111
DL11/ 75	75	115	M10	88	78	83	12062	322	111
DL11/ 80	80	120	M10	88	78	83	14219	355	112
DL11/ 85	85	125	M10	88	78	83	15102	355	112
DL11/ 90	90	130	M10	88	78	83	17455	382	112
DL11/ 95	95	135	M10	88	78	83	18338	382	112
DL11/ 100	100	145	M12	112	100	145	25791	516	104
DL11/ 110	110	155	M12	112	100	145	31184	564	107
DL11/ 120	120	165	M12	112	100	145	39618	657	117
DL11/ 130	130	180	M14	130	116	230	50503	774	109
DL11/ 140	140	190	M14	130	116	230	63470	902	121
DL11/ 150	150	200	M14	130	116	230	72790	967	124
DL11/ 160	160	210	M14	130	116	230	82890	1030	125
DL11/ 170	170	225	M16	164	148	355	106000	1255	110
DL11/ 180	180	235	M16	164	148	355	120900	1343	112
DL11/ 190	190	250	M16	164	148	355	131250	1432	113
DL11/ 200	200	260	M16	164	148	355	143220	1432	110
DL11/ 220	220	285	M16	164	148	355	177560	1608	112
DL11/ 240	240	305	M16	164	148	355	213850	1785	116
DL11/ 260	260	325	M16	164	148	355	245250	1883	114
DL11/ 280	280	355	M20	197	177	690	353160	2500	115
DL11/ 300	300	375	M20	197	177	690	419860	2795	120

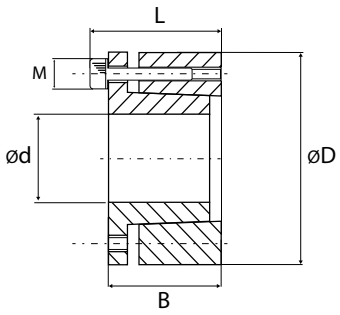
*NB: Imperial bore Drivelocks can be manufactured, please enquire.

DRIVELOCK® 13 Bushes

DRIVELOCK

DRIVELOCK® Bushes





TYPE DL13



Machining data

Recommended shaft & hub tolerances for full torque transmission are:

Shafts	h8	Hub	H8

- Self centering
- High torques 350 to 46900 Nm
- Bores 18 to 180mm
- Imperial bore also available*

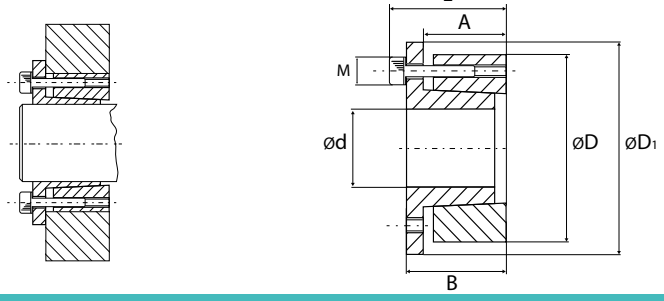
Stock no.	d (h8) (mm)	D (mm)	M (screws)	L (mm)	B (mm)	Ts (Nm)	T (Nm)	F (kN)	p (N/mm²)
DL13/ 18	18	47	M6	34	28	14	350	35	120
DL13/ 19	19	47	M6	34	28	14	355	35	120
DL13/ 20	20	47	M6	34	28	14	360	38	120
DL13/ 22	22	47	M6	34	28	14	400	38	123
DL13/ 24	24	50	M6	34	28	14	440	43	120
DL13/ 25	25	50	M6	34	28	14	560	43	138
DL13/ 28	28	55	M6	34	28	14	625	43	128
DL13/ 30	30	55	M6	34	28	14	650	43	128
DL13/ 32	32	60	M6	34	28	14	950	60	150
DL13/ 35	35	60	M6	34	28	14	1050	60	150
DL13/ 38	38	65	M6	34	28	14	1140	60	146
DL13/ 40	40	65	M6	34	28	14	1200	60	146
DL13/ 42	42	75	M8	41	33	35	2030	98	168
DL13/ 45	45	75	M8	41	33	35	2180	98	168
DL13/ 50	50	80	M8	41	33	35	2430	98	158
DL13/ 55	55	85	M8	41	33	35	3050	112	173
DL13/ 60	60	90	M8	41	33	35	3350	112	163
DL13/ 65	65	95	M8	41	33	35	4080	126	173
DL13/ 70	70	110	M10	50	40	70	6280	179	178
DL13/ 75	75	115	M10	50	40	70	6680	179	168
DL13/ 80	80	120	M10	50	40	70	7130	179	158
DL13/ 85	85	125	M10	50	40	70	8450	200	178
DL13/ 90	90	130	M10	50	40	70	9080	200	168
DL13/ 95	95	135	M10	50	40	70	10580	224	178
DL13/ 100	100	145	M12	56	44	125	13380	268	188
DL13/ 110	110	155	M12	56	44	125	14580	268	178
DL13/ 120	120	165	M12	56	44	125	17880	298	178
DL13/ 130	130	180	M12	64	52	125	25950	400	168
DL13/ 140	140	190	M14	68	54	190	26950	384	148
DL13/ 150	150	200	M14	68	54	190	32950	440	168
DL13/ 160	160	210	M14	68	54	190	37900	479	168
DL13/ 170	170	225	M14	78	64	190	44900	530	128
DL13/ 180	180	235	M14	78	64	190	46900	530	128

*NB: Imperial bore Drivelocks can be manufactured, please enquire.

DRIVELOCK® 15 Bushes

DRIVELOCK

DRIVELOCK® Bushes



TYPE DL15



Machining data

Recommended shaft & hub tolerances for full torque transmission are:

Shafts	h8	Hub	H8

- Self-centering
- Medium torques 282 to 2700 Nm
- Bores 14 to 50mm
- Imperial bore also available*

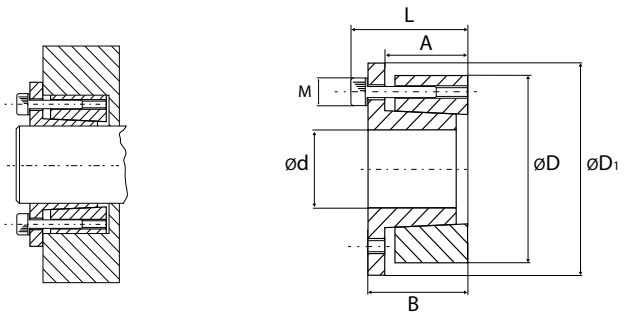
Stock no.	d (h8) (mm)	D (mm)	D1 (mm)	M (screws)	L (mm)	B (mm)	A (mm)	Ts (Nm)	T (Nm)	F (kN)	p (N/mm²)
DL15/ 14	14	55	62	M8	39	31	22	41	282	19	118
DL15/ 16	16	55	62	M8	39	31	22	41	313	19	118
DL15/ 18	18	55	62	M8	39	31	22	41	353	19	118
DL15/ 19	19	55	62	M8	39	31	22	41	372	28	118
DL15/ 20	20	55	62	M8	39	31	22	41	392	28	118
DL15/ 22	22	55	62	M8	39	31	22	41	431	28	118
DL15/ 24	24	55	62	M8	39	31	22	41	470	32	118
DL15/ 25	25	55	62	M8	39	31	22	41	490	32	118
DL15/ 28	28	55	62	M8	39	31	22	41	549	35	118
DL15/ 30	30	55	62	M8	39	31	22	41	588	35	118
DL15/ 24	24	65	72	M8	39	31	22	41	617	33	122
DL15/ 25	25	65	72	M8	39	31	22	41	637	33	122
DL15/ 28	28	65	72	M8	39	31	22	41	725	37	122
DL15/ 30	30	65	72	M8	39	31	22	41	770	37	122
DL15/ 32	32	65	72	M8	39	31	22	41	823	45	122
DL15/ 35	35	65	72	M8	39	31	22	41	902	45	122
DL15/ 38	38	65	72	M8	39	31	22	41	970	45	122
DL15/ 40	40	65	72	M8	39	31	22	41	1029	45	122
DL15/ 30	30	80	87	M8	41	33	25	41	1082	39	120
DL15/ 32	32	80	87	M8	41	33	25	41	1155	49	120
DL15/ 35	35	80	87	M8	41	33	25	41	1260	49	120
DL15/ 38	38	80	87	M8	41	33	25	41	1370	63	120
DL15/ 40	40	80	87	M8	41	33	25	41	1440	63	120
DL15/ 42	42	80	87	M8	41	33	25	41	1510	70	120
DL15/ 45	45	80	87	M8	41	33	25	41	1620	70	120
DL15/ 48	48	80	87	M8	41	33	25	41	1735	75	120
DL15/ 50	50	80	87	M8	41	33	25	41	1806	75	120
POA	**40	80	87	M8	41	33	25	41	2157	90	169
POA	**45	80	87	M8	41	33	25	41	2422	100	169
POA	**50	80	87	M8	41	33	25	41	2700	107	169

*NB: Imperial bore Drivelocks can be manufactured, please enquire. ** Reinforced versions.

DRIVELOCK® 16 Bushes

DRIVELOCK

DRIVELOCK® Bushes



TYPE DL16



Machining data

Recommended shaft & hub tolerances for full torque transmission are:

Shafts	h8	Hub	H8

- Self-centering
- High torques 264 to 37000 Nm
- Bores 18 to 180mm
- Imperial bore also available*

Stock no.	d (h8) (mm)	D (mm)	D1 (mm)	M (screws)	L (mm)	B (mm)	A (mm)	Ts (Nm)	T (Nm)	F (kN)	p (N/mm²)
DL16/ 18	18	47	56	M6	34	28	22	17	264	27	93
DL16/ 19	19	47	56	M6	34	28	22	17	274	27	93
DL16/ 20	20	47	56	M6	34	28	22	17	284	29	93
DL16/ 22	22	47	56	M6	34	28	22	17	314	29	93
DL16/ 24	24	50	59	M6	34	28	22	17	401	29	107
DL16/ 25	25	50	59	M6	34	28	22	17	441	35	107
DL16/ 28	28	55	64	M6	34	28	22	17	490	35	98
DL16/ 30	30	55	64	M6	34	28	22	17	529	35	98
DL16/ 32	32	60	69	M6	34	28	22	17	755	47	112
DL16/ 35	35	60	69	M6	34	28	22	17	824	47	107
DL16/ 38	38	65	74	M6	34	28	22	17	892	47	112
DL16/ 40	40	65	74	M6	34	28	22	17	941	47	102
DL16/ 42	42	75	84	M8	41	33	25	41	1599	75	132
DL16/ 45	45	75	84	M8	41	33	25	41	1716	75	132
DL16/ 50	50	80	89	M8	41	33	25	41	1893	75	127
DL16/ 55	55	85	94	M8	41	33	25	41	2403	86	132
DL16/ 60	60	90	99	M8	41	33	25	41	2648	86	122
DL16/ 65	65	95	104	M8	41	33	25	41	3188	98	132
DL16/ 70	70	110	119	M10	50	40	30	83	4905	138	127
DL16/ 75	75	115	124	M10	50	40	30	83	5150	138	122
DL16/ 80	80	120	129	M10	50	40	30	83	5490	138	132
DL16/ 85	85	125	134	M10	50	40	30	83	6620	155	127
DL16/ 90	90	130	139	M10	50	40	30	83	6960	155	137
DL16/ 95	95	135	144	M10	50	40	30	83	8190	172	145
DL16/ 100	100	145	154	M12	56	44	32	145	10100	201	135
DL16/ 110	110	155	164	M12	56	44	32	145	11030	201	142
DL16/ 120	120	165	174	M12	56	44	32	145	13600	226	137
DL16/ 130	130	180	189	M12	64	52	40	145	19000	302	127
DL16/ 140	140	190	199	M14	68	54	40	230	21800	310	137
DL16/ 150	150	200	209	M14	68	54	40	230	25600	345	140
DL16/ 160	160	210	219	M14	68	54	40	230	30200	379	140
DL16/ 170	170	225	234	M14	78	64	50	230	35000	412	110
DL16/ 180	180	235	244	M14	78	64	50	230	37000	412	108

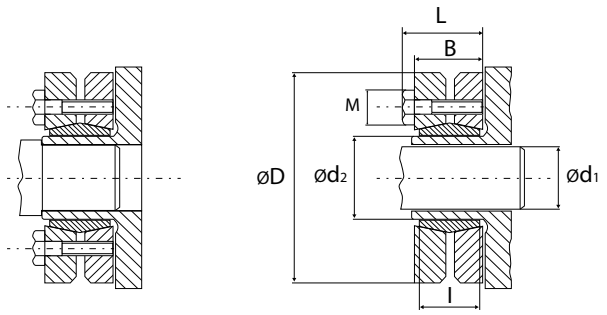
*NB: Imperial bore Drivelocks can be manufactured, please enquire.

24hr Breakdown available
Customisable product
Product code builder
Compatible product

DRIVELOCK® 19 Bushes

DRIVELOCK

DRIVELOCK® Bushes



TYPE DL19



Machining data

Recommended shaft & hub tolerances for full torque transmission are:

Shafts	h8	Hub	H8

- Excellent concentricity
- External clamping
- Medium/high torques 170 to 39000 Nm
- Bores 24 to 165mm
- Imperial bore also available*

Stock no.	d2 (mm)	D (mm)	d1 (mm)	M (screws)	l (mm)	B (mm)	L (mm)	Ts (Nm)	T(Nm)	F (kN)
DL19/24	24	50	19	M5	14	19.5	23	4	170	25
	24	50	20	M5	14	19.5	23	4	210	29
	24	50	21	M5	14	19.5	23	4	250	29
DL19/30	30	60	24	M5	16	21.5	25	4	300	29
	30	60	25	M5	16	21.5	25	4	340	31
	30	60	26	M5	16	21.5	25	4	380	33
DL19/36	36	72	28	M6	18	23.5	27.5	12	440	50
	36	72	30	M6	18	23.5	27.5	12	570	58
	36	72	31	M6	18	23.5	27.5	12	630	58
DL19/44	44	80	32	M6	20	25.5	29.5	12	620	64
	44	80	35	M6	20	25.5	29.5	12	780	74
	44	80	36	M6	20	25.5	29.5	12	860	77
DL19/50	50	90	38	M6	22	27.5	31.5	12	940	79
	50	90	40	M6	22	27.5	31.5	12	1160	86
	50	90	42	M6	22	27.5	31.5	12	1380	92
DL19/55	55	100	42	M6	23	30.5	34.5	12	1160	79
	55	100	45	M6	23	30.5	34.5	12	1520	88
	55	100	48	M6	23	30.5	34.5	12	1880	97
DL19/62	62	110	48	M6	23	30.5	34.5	12	1850	100
	62	110	50	M6	23	30.5	34.5	12	2200	111
	62	110	52	M6	23	30.5	34.5	12	2400	117
DL19/68	68	115	50	M6	23	30.5	34.5	12	2000	97
	68	115	55	M6	23	30.5	34.5	12	2500	106
	68	115	60	M6	23	30.5	34.5	12	3150	120
DL19/75	75	138	55	M8	25	32.5	37.5	30	2500	119
	75	138	60	M8	25	32.5	37.5	30	3200	137
	75	138	65	M8	25	32.5	37.5	30	3950	155
DL19/80	80	145	60	M8	25	32.5	37.5	30	3200	124
	80	145	65	M8	25	32.5	37.5	30	3900	140
	80	145	70	M8	25	32.5	37.5	30	4600	158
DL19/90	90	155	65	M8	30	39	44.3	30	4750	170
	90	155	70	M8	30	39	44.3	30	6000	190
	90	155	75	M8	30	39	44.3	30	7250	210

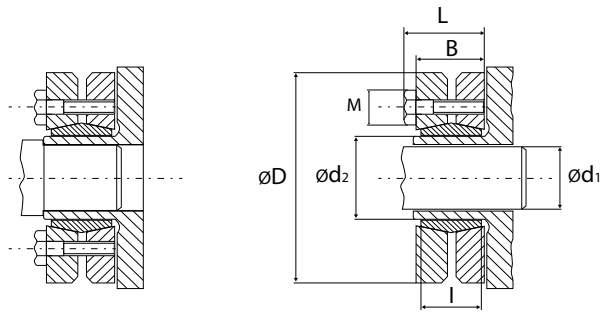
*NB: Imperial bore Drivelocks can be manufactured, please enquire.

DRIVELOCK® 19 BUSHES CONTINUED OVERLEAF

DRIVELOCK® 19 Bushes (continued)

DRIVELOCK

DRIVELOCK® Bushes



TYPE DL19



Machining data

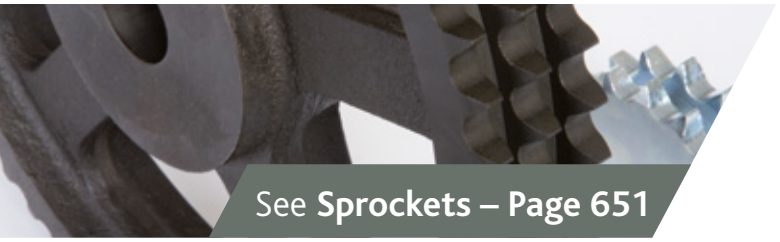
Recommended shaft & hub tolerances for full torque transmission are:

Shafts	h8	Hub	H8

- Excellent concentricity
- External clamping
- Medium/high torques 170 to 39000 Nm
- Bores 24 to 165mm
- Imperial bore also available*

Stock no.	d2 (mm)	D (mm)	d1 (mm)	M (screws)	l (mm)	B (mm)	L (mm)	Ts (Nm)	T(Nm)	F (kN)
DL19/100	100	170	70	M8	34	44	49.3	30	6900	195
	100	170	75	M8	34	44	49.3	30	7500	220
	100	170	80	M8	34	44	49.3	30	9000	240
DL19/110	110	185	75	M10	39	50	56.4	59	7200	229
	110	185	80	M10	39	50	56.4	59	9000	252
	110	185	85	M10	39	50	56.4	59	10800	262
DL19/125	125	215	85	M10	42	54	60.4	59	11000	285
	125	215	90	M10	42	54	60.4	59	13000	314
	125	215	95	M10	42	54	60.4	59	15000	340
DL19/140	140	230	95	M12	46	60.5	68	100	15100	367
	140	230	100	M12	46	60.5	68	100	17600	396
	140	230	105	M12	46	60.5	68	100	20100	425
DL19/155	155**	265	105	M12	50	64.5	72	100	22000	447
	155**	265	110	M12	50	64.5	72	100	25000	478
	155**	265	115	M12	50	64.5	72	100	28000	509
DL19/165	165**	290	115	M16	56	71	81	250	31000	595
	165**	290	120	M16	56	71	81	250	35000	630
	165**	290	125	M16	56	71	81	250	39000	655

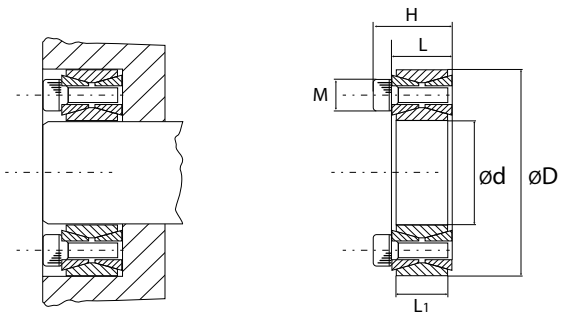
*NB: Imperial bore Drivelocks can be manufactured, please enquire. **Available on request


See Sprockets – Page 651

DRIVELOCK® 40 Bushes

DRIVELOCK

DRIVELOCK® Bushes



TYPE DL40



Machining data

Recommended shaft & hub tolerances for full torque transmission are:

Shafts	h8	Hub	H8

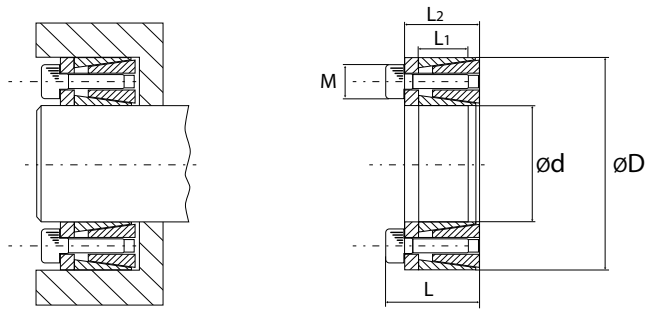
- Not self-centering
- High torques 290 to 66800 Nm
- Bores 19 to 220mm
- Imperial bore also available*

Stock no.	d (h8) (mm)	D (mm)	L1 (mm)	L (mm)	H (mm)	M (screws)	Ts (Nm)	T (Nm)	F (kN)	p (N/mm²)
DL40/ 19	19	47	17	20	28	M6	15	290	26	90
DL40/ 20	20	47	17	20	28	M6	15	295	26	90
DL40/ 22	22	47	17	20	28	M6	15	320	26	89
DL40/ 24	24	50	17	20	28	M6	15	370	30	94
DL40/ 25	25	50	17	20	28	M6	15	390	30	94
DL40/ 28	28	55	17	20	28	M6	15	490	30	94
DL40/ 30	30	55	17	20	28	M6	15	520	34	94
DL40/ 32	32	60	17	20	28	M6	15	680	40	105
DL40/ 35	35	60	17	20	28	M6	15	710	40	105
DL40/ 38	38	65	17	20	28	M6	15	880	44	108
DL40/ 40	40	65	17	20	28	M6	15	930	45	108
DL40/ 42	42	75	20	24	34	M8	37	1580	71	123
DL40/ 45	45	75	20	24	34	M8	37	1620	71	123
DL40/ 48	48	80	20	24	34	M8	37	1690	71	108
DL40/ 50	50	80	20	24	34	M8	37	1770	71	113
DL40/ 55	55	85	20	24	34	M8	37	2260	83	127
DL40/ 60	60	90	20	24	34	M8	37	2470	83	120
DL40/ 65	65	95	20	24	34	M8	37	3040	92	128
DL40/ 70	70	110	24	28	40	M10	70	4560	130	127
DL40/ 75	75	115	24	28	40	M10	70	4820	130	124
DL40/ 80	80	120	24	28	40	M10	70	5130	130	120
DL40/ 85	85	125	24	28	40	M10	70	6230	144	127
DL40/ 90	90	130	24	28	40	M10	70	6520	144	122
DL40/ 95	95	135	24	28	40	M10	70	7770	164	133
DL40/ 100	100	145	26	33	47	M12	127	9460	189	133
DL40/ 110	110	155	26	33	47	M12	127	10490	189	122
DL40/ 120	120	165	26	33	47	M12	127	12945	214	133
DL40/ 130	130	180	34	38	52	M12	127	17360	268	113
DL40/ 140	140	190	34	38	52	M12	127	20650	292	123
DL40/ 150	150	200	34	38	52	M12	127	23815	318	122
DL40/ 160	160	210	34	38	52	M12	127	27615	346	127
DL40/ 170	170	225	38	44	60	M14	195	32370	379	118
DL40/ 180	180	235	38	44	60	M14	195	37270	416	123
DL40/ 190	190	250	46	52	68	M14	195	45810	488	113
DL40/ 200	200	260	46	52	68	M14	195	51600	516	113
DL40/ 220	220	285	50	56	74	M16	290	66800	607	113

*NB: Imperial bore Drivelocks can be manufactured, please enquire.

DRIVELOCK® 45 Bushes

DRIVELOCK® Bushes



TYPE DL45



Machining data

Recommended shaft & hub tolerances for full torque transmission are:

Shafts	h8	Hub	H8

- Not self-centering
- Medium torques 190 to 4800 Nm
- Bores 18 to 80mm
- Imperial bore also available*

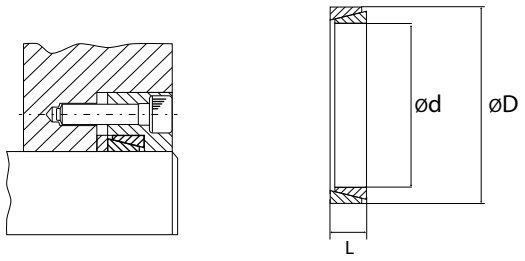
Stock no.	d (h8) (mm)	D (mm)	L2 (mm)	L (mm)	L1 (mm)	M (screws)	Ts (Nm)	T (Nm)	F (kN)	p (N/mm²)
DL45/ 18	18	40	18.5	24.5	12	M6	12	190	260	120
DL45/ 19	19	41	18.5	24.5	12	M6	12	210	260	120
DL45/ 20	20	42	18.5	24.5	12	M6	12	240	250	120
DL45/ 24	24	46	18.5	24.5	12	M6	12	290	250	120
DL45/ 25	25	47	18.5	24.5	12	M6	12	330	230	120
DL45/ 28	28	50	18.5	24.5	12	M6	12	370	220	120
DL45/ 30	30	52	18.5	24.5	12	M6	12	430	210	120
DL45/ 35	35	57	22	28	15	M6	15	610	170	100
DL45/ 38	38	60	22	28	15	M6	15	680	170	100
DL45/ 40	40	62	22	28	15	M6	15	780	170	100
DL45/ 42	42	70	28	36	18	M8	18	1480	190	110
DL45/ 45	45	73	28	36	18	M8	18	1500	210	130
DL45/ 48	48	76	28	36	18	M8	18	1550	210	130
DL45/ 50	50	78	28	36	18	M8	18	1650	190	120
DL45/ 55	55	83	28	36	18	M8	18	2000	190	120
DL45/ 60	60	88	28	36	18	M8	18	2350	190	120
DL45/ 70	70	105	35	45	22	M10	22	3900	180	120
DL45/ 80	80	115	35	45	22	M10	22	4800	170	120

*NB: Imperial bore Drivelocks can be manufactured, please enquire.

DRIVELOCK® 50 Bushes

DRIVELOCK

DRIVELOCK® Bushes



TYPE DL50



Machining data			
Recommended shaft & hub tolerances for full torque transmission are:			
< 40mm diameter			
Shafts	h6	Hub	H7
> 40mm diameter			
Shafts	h8	Hub	H8

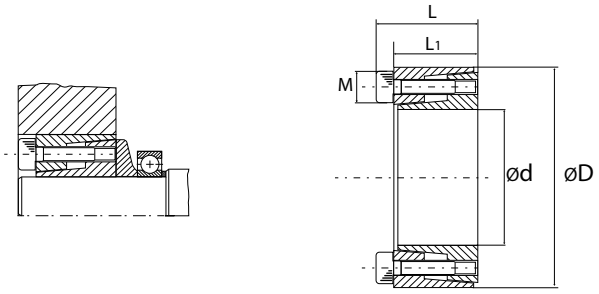
- Not self-centering
- Small radial dimensions
- Low torques 2.4 to 1300Nm
- Bores 6 to 70mm
- Can be stacked in series (up to 4) to increase torque
- Imperial bore also available*

Stock no.	d (mm)	D (mm)	L (mm)	T	F (Nm)	P (N/mm²)	Fa (kN)
DL50/ 6	6	9	4.5	2.4	0.84	75	3.8
DL50/ 7	7	10	4.5	3	0.86	70	3.9
DL50/ 8	8	11	4.5	4.7	1.17	90	5.3
DL50/ 9	9	12	4.5	7.9	1.76	105	15.6
DL50/ 10	10	13	4.5	9.5	1.91	105	15.6
DL50/ 12	12	15	4.5	11.4	1.91	90	15.6
DL50/ 13	13	16	4.5	13.1	2.02	90	15.6
DL50/ 14	14	18	6.3	22.3	3.18	90	25.4
DL50/ 15	15	19	6.3	24.3	3.24	85	25.4
DL50/ 16	16	20	6.3	27.3	3.42	85	25.4
DL50/ 17	17	21	6.3	29.8	3.51	85	25.4
DL50/ 18	18	22	6.3	32.4	3.61	80	25.4
DL50/ 19	19	24	6.3	49	5.22	110	36
DL50/ 20	20	25	6.3	53	5.33	105	36
DL50/ 22	22	26	6.3	66	6	115	36
DL50/ 24	24	28	6.3	73	6.13	110	36
DL50/ 25	25	30	6.3	72	5.77	95	36
DL50/ 28	28	32	6.3	86	6.33	100	36
DL50/ 30	30	35	6.3	91	6.08	85	36
DL50/ 32	32	36	6.3	131	8.24	115	45
DL50/ 35	35	40	7	171	9.77	110	54
DL50/ 36	36	42	7	169	9.39	100	54
DL50/ 38	38	44	7	181	9.55	95	54
DL50/ 40	40	45	8	231	11.57	105	66
DL50/ 42	42	48	8	235	11.22	95	66
DL50/ 45	45	52	10	353	15.71	95	99
DL50/ 48	48	55	10	572	23.44	135	132
DL50/ 50	50	57	10	602	24.08	130	132
DL50/ 55	55	62	10	670	24.35	125	132
DL50/ 56	56	64	12	790	28.2	115	157.2
DL50/ 60	60	68	12	860	28.6	110	157.2
DL50/ 70	70	79	14	1300	37.10	110	200

DL50 consists of a pair of conical rings and can be used in series (up to 4 sets) to give higher torque ratings. Note: Customer to supply clamping ring or equipment.
*NB: Imperial bore Drivelocks can be manufactured, please enquire.

DRIVELOCK® 61 Bushes

DRIVELOCK® Bushes



TYPE DL61



Machining data

Recommended shaft & hub tolerances for full torque transmission are:

Shafts	h8	Hub	H8

- Self-centering
- Medium torques 5 to 1900Nm
- Bores 5 to 50mm
- Imperial bore also available*

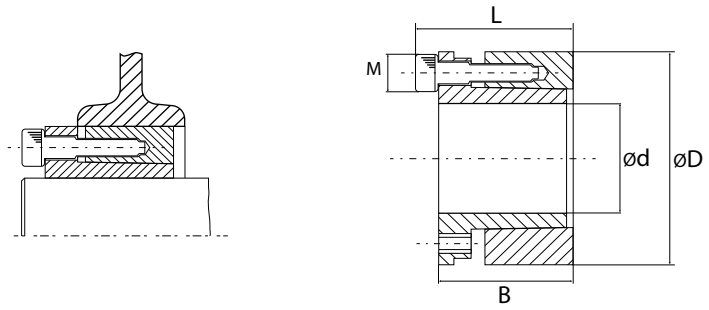
Stock no.	d (h8) (mm)	D (mm)	L1 (mm)	L (mm)	M (screws)	Ts (Nm)	T (Nm)	F (kN)	p (N/mm²)
DL61/ 5	5	16	11	13.5	M2.5	1.2	5	2	55
DL61/ 6	6	16	11	13.5	M2.5	1.2	6	2	55
DL61/ 6.35	6.35	16	11	13.5	M2.5	1.2	6	2	55
DL61/ 7	7	17	11	13.5	M2.5	1.2	8	2	55
DL61/ 8	8	18	11	13.5	M2.5	1.2	10	2.5	50
DL61/ 9	9	20	13	15.5	M2.5	1.2	15	3	55
DL61/ 9.53	9.53	20	13	15.5	M2.5	1.2	15	3	55
DL61/ 10	10	20	13	15.5	M2.5	1.2	15	3	55
DL61/ 11	11	22	13	15.5	M2.5	1.2	18	3	50
DL61/ 12	12	22	13	15.5	M2.5	1.2	20	3	50
DL61/ 14	14	26	17	20	M3	2.1	35	5	55
DL61/ 15	15	28	17	20	M3	2.1	40	5	50
DL61/ 16	16	32	17	21	M4	4.9	70	8	65
DL61/ 17	17	35	21	25	M4	4.9	75	8	60
DL61/ 18	18	35	21	25	M4	4.9	80	8	60
DL61/ 19	19	35	21	25	M4	4.9	85	8	60
DL61/ 20	20	38	21	26	M5	9.7	150	15	75
DL61/ 22	22	40	21	26	M5	9.7	160	14	70
DL61/ 24	24	47	26	32	M6	16.5	250	20	75
DL61/ 25	25	47	26	32	M6	16.5	260	20	75
DL61/ 25.4	25.4	47	26	32	M6	16.5	304	22	78
DL61/ 28	28	50	26	32	M6	16.5	440	30	100
DL61/ 30	30	55	26	32	M6	16.5	470	30	95
DL61/ 32	32	55	26	32	M6	16.5	500	30	95
DL61/ 35	35	60	31	37	M6	16.5	730	40	95
DL61/ 38	38	65	31	37	M6	16.5	800	40	90
DL61/ 40	40	65	31	37	M6	16.5	840	40	90
DL61/ 45	45	75	36	44	M8	40	1300	55	90
DL61/ 50	50	80	36	44	M8	40	1900	75	115

*NB: Imperial bore Drivelocks can be manufactured, please enquire.

DRIVELOCK® 70 Bushes

DRIVELOCK

DRIVELOCK® Bushes



TYPE DL70



Machining data

Recommended shaft & hub tolerances for full torque transmission are:

Shafts	h8	Hub	H8

- Self-centering
- High torques 353 to 40500 Nm
- Bores 19 to 180mm
- Imperial bore also available*

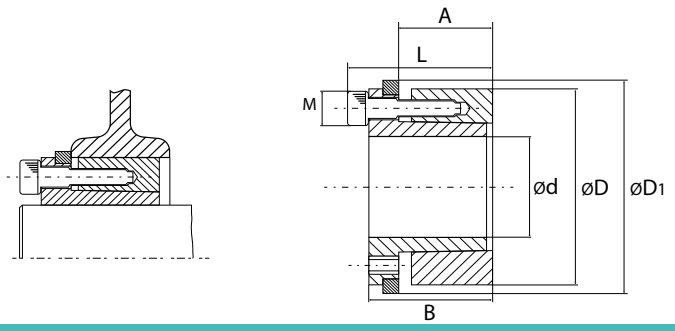
Stock no.	d (h8) (mm)	D (mm)	M (screws)	L (mm)	B (mm)	Ts (Nm)	T (Nm)	F (kN)	p (N/mm²)
DL70/ 19	19	47	M6	45	39	17	353	37	98
DL70/ 20	20	47	M6	45	39	17	382	37	98
DL70/ 22	22	47	M6	45	39	17	431	37	93
DL70/ 24	24	50	M6	45	39	17	519	43	102
DL70/ 25	25	50	M6	45	39	17	578	43	102
DL70/ 28	28	55	M6	45	39	17	686	48	107
DL70/ 30	30	55	M6	45	39	17	745	48	117
DL70/ 32	32	60	M6	45	39	17	912	58	111
DL70/ 35	35	60	M6	45	39	17	1010	58	116
DL70/ 38	38	65	M6	45	39	17	1216	64	121
DL70/ 40	40	65	M6	45	39	17	1323	64	122
DL70/ 42	42	75	M6	55	47	41	2128	96	137
DL70/ 45	45	75	M8	55	47	41	2304	96	137
DL70/ 48	48	80	M8	55	47	41	2461	100	132
DL70/ 50	50	80	M8	55	47	41	2530	100	132
DL70/ 55	55	85	M8	55	47	41	3138	113	142
DL70/ 60	60	90	M8	55	47	41	3314	115	153
DL70/ 65	65	95	M8	55	47	41	4079	125	137
DL70/ 70	70	110	M10	67	57	83	6707	184	140
DL70/ 75	75	115	M10	72	62	83	7354	192	135
DL70/ 80	80	120	M10	72	62	83	7943	192	127
DL70/ 85	85	125	M10	72	62	83	9512	225	142
DL70/ 90	90	130	M10	72	62	83	10100	225	135
DL70/ 95	95	135	M10	72	62	83	11865	250	145
DL70/ 100	100	145	M12	89	77	145	15396	309	145
DL70/ 110	110	155	M12	89	77	145	16867	309	136
DL70/ 120	120	165	M12	89	77	145	22064	370	152
DL70/ 130	130	180	M12	89	77	145	23535	388	137
DL70/ 140	140	190	M14	90	84	230	30210	429	142
DL70/ 150	150	200	M14	90	84	230	36440	481	150
DL70/ 160	160	210	M14	90	84	230	39730	500	150
DL70/ 170	170	225	M14	90	84	230	40120	500	120
DL70/ 180	180	235	M14	90	84	230	40500	500	117

*NB: Imperial bore Drivelocks can be manufactured, please enquire.

DRIVELOCK® 71 Bushes

DRIVELOCK

DRIVELOCK® Bushes



TYPE DL71



Machining data

Recommended shaft & hub tolerances for full torque transmission are:

Shafts	h8	Hub	H8

- Self-centering
- High torques 294 to 33600 Nm
- Bores 19 to 180mm
- Imperial bore also available*

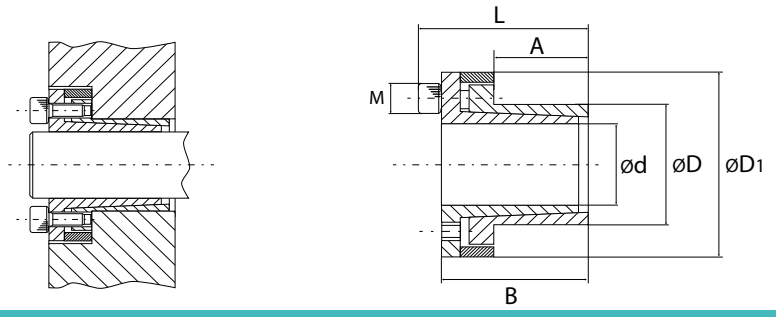
Stock no.	d (h8) (mm)	D (mm)	D1 (mm)	A (mm)	M (screws)	L (mm)	B (mm)	Ts (Nm)	T (Nm)	F (kN)	p (N/mm²)
DL71/ 19	19	47	53	31	M6	45	39	17	294	44	96
DL71/ 20	20	47	53	31	M6	45	39	17	313	44	96
DL71/ 22	22	47	53	31	M6	45	39	17	362	44	97
DL71/ 24	24	50	56	31	M6	45	39	17	421	51	100
DL71/ 25	25	50	56	31	M6	45	39	17	470	51	110
DL71/ 28	28	55	61	31	M6	45	39	17	578	56	105
DL71/ 30	30	55	61	31	M6	45	39	17	637	56	118
DL71/ 32	32	60	66	31	M6	45	39	17	784	68	114
DL71/ 35	35	60	66	31	M6	45	39	17	843	68	118
DL71/ 38	38	65	71	31	M6	45	39	17	1010	75	121
DL71/ 40	40	65	71	31	M6	45	39	17	1108	75	143
DL71/ 42	42	75	81	36	M6	55	47	41	1892	112	135
DL71/ 45	45	75	81	36	M8	55	47	41	1912	112	135
DL71/ 48	48	80	86	36	M8	55	47	41	2137	117	142
DL71/ 50	50	80	86	36	M8	55	47	41	2167	117	143
DL71/ 55	55	85	91	36	M8	55	47	41	2677	133	143
DL71/ 60	60	90	96	36	M8	55	47	41	2853	135	131
DL71/ 65	65	95	101	36	M8	55	47	41	3500	148	142
DL71/ 70	70	110	116	46	M10	67	57	83	5717	216	142
DL71/ 75	75	115	121	46	M10	72	62	83	6207	225	148
DL71/ 80	80	120	126	46	M10	72	62	83	6707	225	139
DL71/ 85	85	125	131	46	M10	72	62	83	8002	264	157
DL71/ 90	90	130	136	46	M10	72	62	83	8502	264	143
DL71/ 95	95	135	141	46	M10	72	62	83	10002	294	138
DL71/ 100	100	145	151	52	M12	89	77	145	13336	362	148
DL71/ 110	110	155	161	52	M12	89	77	145	14582	362	178
DL71/ 120	120	165	171	52	M12	89	77	145	19083	436	158
DL71/ 130	130	180	186	52	M12	89	77	145	20417	436	143
DL71/ 140	140	190	196	59	M14	90	84	230	24920	505	138
DL71/ 150	150	200	206	59	M14	90	84	230	30130	567	149
DL71/ 160	160	210	216	59	M14	90	84	230	32520	588	149
DL71/ 170	170	225	231	59	M14	90	84	230	33350	588	119
DL71/ 180	180	235	241	59	M14	90	84	230	33600	588	119

*NB: Imperial bore Drivelocks can be manufactured, please enquire.

DRIVELOCK® 80 Bushes

DRIVELOCK

DRIVELOCK® Bushes



TYPE DL80



Machining data

Recommended shaft & hub tolerances for full torque transmission are:

Shafts	h8	Hub	H8

- Self-centering for thin walled hubs
- High torques 12 to 14800 Nm
- Bores 6 to 100mm
- Imperial bore also available*

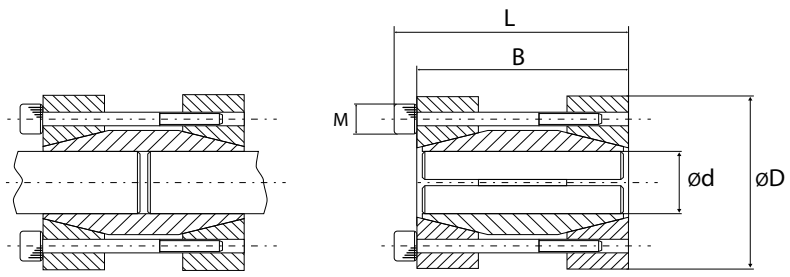
Stock no.	d (mm)	D (mm)	D1 (mm)	A (mm)	B (mm)	L (mm)	M (screws)	Ts (Nm)	T (Nm)	F (kN)	p (N/mm²)
DL80/ 6	6	14	25	10	22.5	25.5	M3	2.2	12	4	78
DL80/ 8	8	15	27	12	25.5	29.5	M4	5	28	7	104
DL80/ 9	9	16	28	14	27.5	31.5	M4	5	31	7	85
DL80/ 10	10	16	28	14	27.5	31.5	M4	5	35	7	85
DL80/ 11	11	18	32	14	27.5	31.5	M4	5	51	9	100
DL80/ 12	12	18	32	14	27.5	31.5	M4	5	56	9	100
DL80/ 14	14	23	39	14	27.5	31.5	M4	5	66	9	78
DL80/ 15	15	24	45	16	36.5	42.5	M6	17	175	21	135
DL80/ 16	16	24	45	16	36.5	42.5	M6	17	175	21	135
DL80/ 18	18	26	47	19	39.5	45.5	M6	17	196	21	124
DL80/ 19	19	27	49	19	39.5	45.5	M6	17	207	21	119
DL80/ 20	20	28	50	19	39.5	45.5	M6	17	219	21	115
DL80/ 22	22	32	54	26	46.5	52.5	M6	17	226	21	67
DL80/ 24	24	34	56	26	46.5	52.5	M6	17	392	32	102
DL80/ 25	25	34	56	26	46.5	52.5	M6	17	411	32	102
DL80/ 28	28	39	61	25.5	46.5	52.5	M6	17	460	32	90
DL80/ 30	30	41	62	25.5	46.5	52.5	M6	17	490	32	85
DL80/ 32	32	43	65	25.5	46.5	52.5	M6	17	701	43	108
DL80/ 35	35	47	69	31.5	52.5	58.5	M6	17	720	43	72
DL80/ 38	38	50	72	31.5	52.5	58.5	M6	17	781	43	68
DL80/ 40	40	53	75	31.5	52.5	58.5	M6	17	768	43	64
DL80/ 42	42	55	78	31.5	52.5	58.5	M6	17	863	43	64
DL80/ 45	45	59	86	45	71	79	M8	41	1711	76	76
DL80/ 48	48	62	87	45	71	79	M8	41	1824	76	72
DL80/ 50	50	65	92	45	71	79	M8	41	1902	76	68
DL80/ 55	55	71	98	55	81	89	M8	41	2353	85	58
DL80/ 60	60	77	104	55	81	89	M8	41	2569	85	53
DL80/ 65	65	84	111	55	81	89	M8	41	2786	85	53
DL80/ 70	70	90	119	65	96.5	106.5	M10	83	4755	136	61
DL80/ 75	75	95	126	65	96.5	106.5	M10	83	5100	136	57
DL80/ 80	80	100	131	65	96.5	106.5	M10	83	7250	180	57
DL80/ 85	**85	106	137	65	96.5	106.5	M10	83	7700	180	57
DL80/ 90	90	112	144	65	96.5	106.5	M10	83	8160	180	57
DL80/ 95	**95	120	149	65	96.5	106.5	M10	83	10800	210	80
DL80/ 100	100	125	154	65	96.5	106.5	M10	83	14800	270	93

*NB: Imperial bore Drivelocks can be manufactured, please enquire. ** Available on request

DRIVELOCK® 95 Bushes

DRIVELOCK

DRIVELOCK® Bushes



TYPE DL95



Machining data

Recommended shaft & hub tolerances for full torque transmission are:

Shafts	h8	Hub	H8

- For connection of coaxial shafts
- Medium torques 200 to 4280 Nm
- Bores 17 to 80mm
- Imperial bore also available*

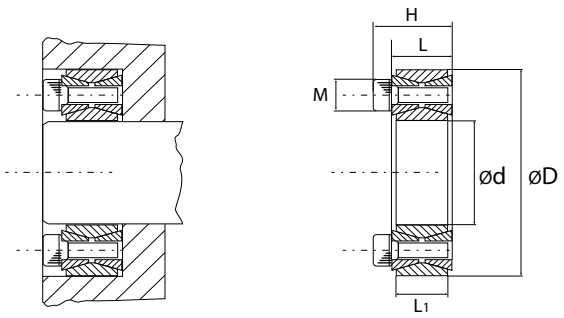
Stock no.	d (mm)	D (mm)	B (mm)	L (mm)	M (screws)	Ts (Nm)	T (Nm)	F (kN)
DL95/ 17	17*	50	50	56	M6	17	200	24
DL95/ 18	18	50	50	56	M6	17	220	24
DL95/ 19	19	50	50	56	M6	17	230	24
DL95/ 20	20	50	50	56	M6	17	240	24
DL95/ 24	24	55	60	66	M6	17	290	24
DL95/ 25	25	55	60	66	M6	17	450	36
DL95/ 28	28	60	60	66	M6	17	510	36
DL95/ 30	30	60	60	66	M6	17	550	36
DL95/ 32	32	63	60	66	M6	17	580	36
DL95/ 35	35	75	75	83	M8	41	760	45
DL95/ 38	38	75	75	83	M8	41	850	45
DL95/ 40	40	75	75	83	M8	41	900	45
DL95/ 42	42	78	75	83	M8	41	930	45
DL95/ 45	45	85	85	93	M8	41	1520	67
DL95/ 48	48	90	85	93	M8	41	1600	67
DL95/ 50	50	90	85	93	M8	41	1690	67
DL95/ 55	55	94	85	93	M8	41	2430	90
DL95/ 60	60	100	85	93	M8	41	2680	90
DL95/ 65	65	105	85	93	M8	41	2930	90
DL95/ 70	70	115	100	110	M10	83	3720	107
DL95/ 75	75**	125	100	110	M10	83	3970	107
DL95/ 80	80**	125	100	110	M10	83	4280	107

*NB: Imperial bore Drivelocks can be manufactured, please enquire. ** Available on request

DRIVELOCK® 40 Bushes in Stainless Steel

DRIVELOCK

DRIVELOCK® Bushes



TYPE DL40



Machining data			
Recommended shaft & hub tolerances for full torque transmission are:			
Shafts	h8	Hub	H8

- Stainless Steel (303 / 304)
- Not Self-centering
- Low torques 110 to 700 Nm
- Bores 20 to 50mm
- Imperial bore also available*

Stock no.	d (h8) (mm)	D (mm)	L1 (mm)	L (mm)	H (mm)	M (screws)	Ts (Nm)	T (Nm)	F (kN)	p (N/mm²)
DL40/ 20SS	20	47	17	20	26	M6	8	110	11	57
DL40/ 22SS	22	47	17	20	26	M6	8	120	11	57
DL40/ 24SS	24	50	17	20	26	M6	8	150	12	60
DL40/ 25SS	25	50	17	20	26	M6	8	155	12	60
DL40/ 28SS	28	55	17	20	26	M6	8	170	12	55
DL40/ 30SS	30	55	17	20	26	M6	8	185	12	55
DL40/ 32SS	32	60	17	20	26	M6	8	265	16	66
DL40/ 35SS	35	60	17	20	26	M6	8	290	16	67
DL40/ 38SS	38	65	17	20	26	M6	8	390	20	77
DL40/ 40SS	40	65	17	20	26	M6	8	410	20	77
DL40/ 42SS	42	75	20	24	32	M8	18	595	20	78
DL40/ 45SS	45	75	20	24	32	M8	18	635	28	78
DL40/ 48SS	48	80	20	24	32	M8	18	680	28	73
DL40/ 50SS	50	80	20	24	32	M8	18	700	20	73

*NB: Imperial bore Drivelocks can be manufactured, please enquire.

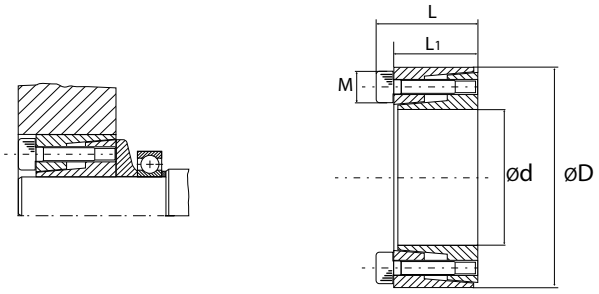


See **Pulleys – Page 327**

DRIVELOCK® 61 Bushes in Stainless Steel

DRIVELOCK

DRIVELOCK® Bushes



TYPE DL61



Machining data

Recommended shaft & hub tolerances for full torque transmission are:

Shafts	h8	Hub	H8

- Stainless Steel (303 / 304)
- Self-centering
- Low torques 3 to 400Nm
- Bores 6 to 40mm
- Imperial bore also available*

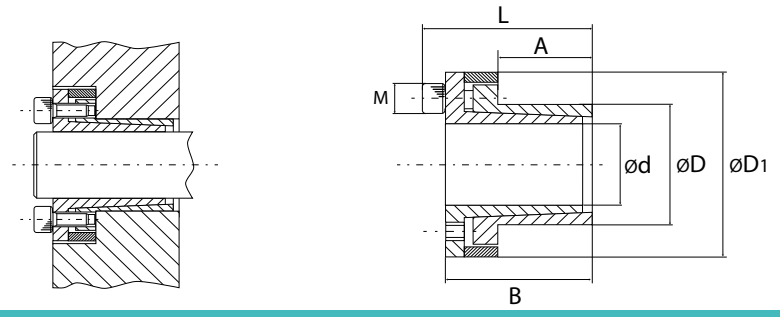
Stock no.	d (h8) (mm)	D (mm)	L1 (mm)	L (mm)	M (screws)	Ts (Nm)	T (Nm)	F (kN)	p (N/mm²)
DL61/ 6SS	6	16	11	13.5	M2.5	0.5	3	0.9	19
DL61/ 7SS	7	17	11	13.5	M2.5	0.5	3	0.9	17
DL61/ 8SS	8	18	11	13.5	M2.5	0.5	4	0.9	17
DL61/ 9SS	9	20	13	15.5	M2.5	0.5	4	0.9	17
DL61/ 10SS	10	20	13	15.5	M2.5	0.5	6	1.2	17
DL61/ 12SS	12	22	13	15.5	M2.5	0.5	7	1.2	15
DL61/ 14SS	14	26	17	20	M3	0.9	13	1.9	15
DL61/ 15SS	15	28	17	20	M3	0.9	14	1.9	14
DL61/ 16SS	16	32	17	21	M4	2.2	28	3.5	23
DL61/ 17SS	17	35	21	25	M4	2.2	30	3.5	17
DL61/ 18SS	18	35	21	25	M4	2.2	32	3.5	17
DL61/ 19SS	19	35	21	25	M4	2.2	34	3.5	17
DL61/ 20SS	20	38	21	26	M5	4.2	55	5.5	24
DL61/ 22SS	22	40	21	26	M5	4.2	61	5.5	23
DL61/ 24SS	24	47	26	32	M6	7.3	96	8	23
DL61/ 25SS	25	47	26	32	M6	7.3	100	8	23
DL61/ 28SS	28	50	26	32	M6	7.3	210	15	32
DL61/ 30SS	30	55	26	32	M6	7.3	220	15	29
DL61/ 32SS	32	55	26	32	M6	7.3	240	15	29
DL61/ 35SS	35	60	29	35	M6	7.3	350	20	32
DL61/ 38SS	38	65	29	35	M6	7.3	380	20	29
DL61/ 40SS	40	65	29	35	M6	7.3	400	20	29

*NB: Imperial bore Drivelocks can be manufactured, please enquire.

DRIVELOCK® 80 Bushes in Stainless Steel

DRIVELOCK

DRIVELOCK® Bushes



TYPE DL80



Machining data

Recommended shaft & hub tolerances for full torque transmission are:

Shafts	h8	Hub	H8

- Stainless Steel (303 / 304)
- Self-centering for thin walled hubs
- Low torques 22 to 910 Nm
- Bores 10 to 50mm
- Imperial bore also available*

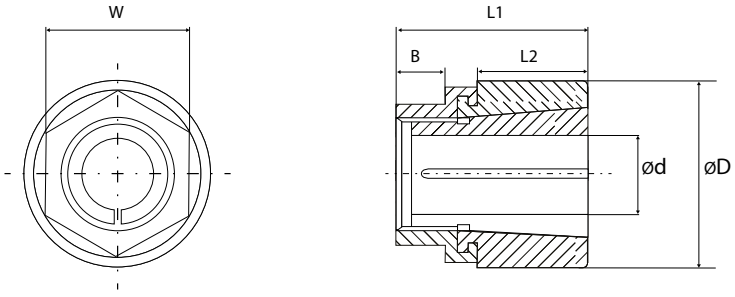
Stock no.	d (mm)	D (mm)	D1 (mm)	A (mm)	B (mm)	L (mm)	M (screws)	Ts (Nm)	T (Nm)	F (kN)	p (N/mm²)
DL80/ 10SS	10	16	29	14	27	31	M4	2	22	4	51
DL80/ 12SS	12	18	32	14	28	32	M4	2	26	4	46
DL80/ 14SS	14	23	38	14	28	32	M4	2	30	4	36
DL80/ 15SS	15	24	44	16	37	43	M6	8	73	10	67
DL80/ 16SS	16	24	44	16	37	43	M6	8	78	10	67
DL80/ 18SS	18	26	47	18	39	45	M6	8	87	10	55
DL80/ 19SS	19	27	49	18	39	45	M6	8	92	10	53
DL80/ 20SS	20	28	50	18	39	45	M6	8	97	10	51
DL80/ 22SS	22	32	54	25	46	52	M6	8	105	10	32
DL80/ 24SS	24	34	56	25	46	52	M6	8	175	15	45
DL80/ 25SS	25	34	56	25	46	52	M6	8	180	15	45
DL80/ 28SS	28	39	61	25	46	52	M6	8	200	15	40
DL80/ 30SS	30	41	62	25	46	52	M6	8	220	15	38
DL80/ 32SS	32	43	65	25	46	52	M6	8	310	19	48
DL80/ 35SS	35	47	66	32	53	59	M6	8	340	19	34
DL80/ 38SS	38	50	72	32	53	59	M6	8	370	19	32
DL80/ 40SS	40	53	75	32	53	59	M6	8	390	19	30
DL80/ 42SS	42	55	78	32	53	59	M6	8	410	19	29
DL80/ 45SS	45	59	86	45	70	78	M8	18	820	36	36
DL80/ 48SS	48	62	87	45	70	78	M8	18	880	36	35
DL80/ 50SS	50	65	92	45	70	78	M8	18	910	36	33

*NB: Imperial bore Drivelocks can be manufactured, please enquire.

TRANSLOCK® Mini Keyless Shaft Locking Bushes

TRANSLOCK

TRANSLOCK® Bushes



TYPE TR MINI



- Shaft and Bore Tolerance Series (TRMINI) = ±0.0015" (±0.04mm)
- Shaft and Hub Surface Finish = 32-63 Ra (Surface Roughness)

Metric bores

Stock no.	Bore d (mm)	Outside diameter D (mm)	Dimensions (mm)				Rated loads		Hub pressure (N/cm²)	Nut torque (Nm)	Approx. weight (kg)
			L1	L2	W	B	Torque (Nm)	Thrust (N)			
TRMINI5X16	5	16	19	9.5	13	3	11.8	3180	3600	14.1	0.014
TRMINI6X16	6	16	19	9.5	13	3	15.7	3580	3600	14.1	0.014
TRMINI7X19	7	19	22	11	16	3	20.1	3830	2600	17	0.028
TRMINI8X19	8	19	22	11	16	3	22.9	4050	2600	17	0.028
TRMINI9X19	9	19	22	11	16	3	26.1	4180	2600	17	0.028
TRMINI10X22.5	10	22.5	25.5	12.5	19	5	30.2	4250	1900	20.1	0.042
TRMINI11X22.5	11	22.5	25.5	12.5	19	5	34.1	4330	1900	20.1	0.042
TRMINI12X22.5	12	22.5	25.5	12.5	19	5	39	4390	1900	20.1	0.042
TRMINI14X25.5	14	25.5	28.5	16	22	5	43.9	4490	1300	23.4	0.056
TRMINI15X25.5	15	25.5	28.5	16	22	5	45.1	4510	1300	23.4	0.056
TRMINI16X25.5	16	25.5	28.5	16	22	5	53	4530	1300	23.4	0.056
TRMINI17X32	17	32	35	19	27	6	170.2	9020	5850	39.5	0.23

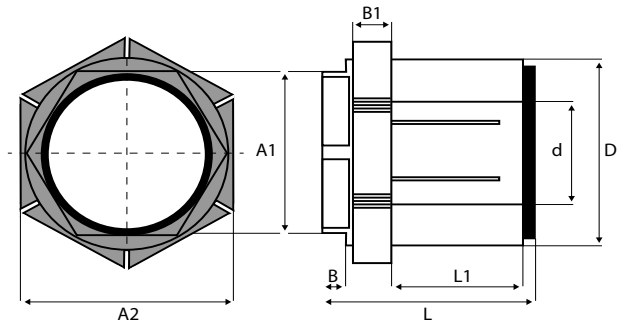
Imperial bores

Stock no.	Bore d (in)	Outside diameter D (in)	Dimensions (inches)				Rated loads		Hub pressure (N/cm²)	Nut torque (Nm)	Approx. weight (kg)
			L1	L2	W	B	Torque (Nm)	Thrust (N)			
TRMINI3/16X5/8	3/16	5/8	3/4	3/8	1/2	1/8	11.3	3110	3590	14.1	0.014
TRMINI1/4X5/8	1/4	5/8	3/4	3/8	1/2	1/8	16.9	3510	3590	14.1	0.014
TRMIN5/16X3/4	5/16	3/4	7/8	7/16	5/58	1/8	22.5	3960	2550	17	0.028
TRMINI3/8X3/4	3/8	3/4	7/8	7/16	5/58	1/8	28.3	4110	2550	17	0.028
TRMINI7/16X7/8	7/16	7/8	1	1/2	3/4	3/16	33.9	4230	1900	20.1	0.042
TRMINI1/2X7/8	1/2	7/8	1	1/2	3/4	3/16	39.6	4360	1900	20.1	0.042
TRMINI9/16X1	9/16	1	1 1/8	5/8	7/8	3/16	45.2	4400	1240	23.4	0.056
TRMINI5/8X1	5/8	1	1 1/8	5/8	7/8	3/16	50.9	4450	1240	23.4	0.056
TRMINI3/4X11/4	3/4	1/4	1 3/8	3/4	1 1/16	1/4	169.5	8900	5520	39.5	0.23

TRANSLOCK® Standard Keyless Locking Bushes

TRANSLOCK

TRANSLOCK® Bushes



TYPE TR STANDARD



- Shaft and Bore Tolerance Standard Series (TRSTD) = ±0.003" (±0.08mm)
- Shaft and Hub Surface Finish = 32-63 Ra (Surface Roughness)

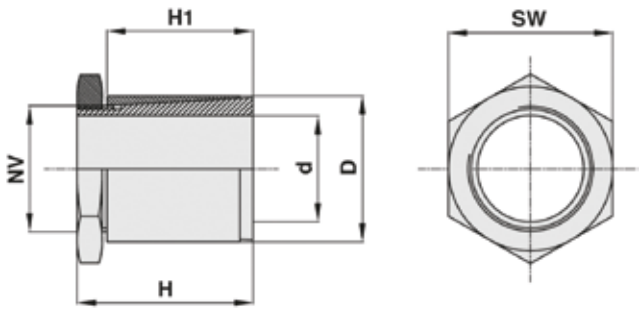
Stock no.	Bore d (mm)	Outside diameter D (mm)	Dimensions (mm)						Rated loads		Hub pressure (N/cm²)	Nut torque (Nm)	Approx. weight (kg)
			L	L1	A1	A2	B	B1	Torque (Nm)	Thrust (kN)			
TRSTD15X38	15	38	38	19	32	38	8	8	181	13.4	7650	140	0.235
TRSTD16X38	16	38	38	19	32	38	8	8	197	14.6	7650	140	0.235
TRSTD17X38	17	38	38	19	32	38	8	8	231	16.4	7650	140	0.235
TRSTD18X38	18	38	38	19	32	38	8	8	266	18	7650	140	0.235
TRSTD19X38	19	38	38	19	32	38	8	8	282	19.6	7650	140	0.235
TRSTD20X45	20	45	47.5	21.5	38	44.5	11	9.5	290	21	6500	170	0.32
TRSTD22X45	22	45	47.5	21.5	38	44.5	11	9.5	316	24	6500	170	0.32
TRSTD24X45	24	45	47.5	21.5	38	44.5	11	9.5	380	27	6500	170	0.32
TRSTD25X45	25	45	47.5	21.5	38	44.5	11	9.5	392	29	6500	170	0.32


More Bushes – Page 957

TRANSLOCK® 'STN' Stainless Steel Keyless Shaft Locking Bush

TRANSLOCK

TRANSLOCK® Bushes



TYPE TRSTN

- Stainless Steel 304 (1.4301)
- Simple and easy maintenance
- Axial and radial positioning on shaft
- Uses – fixing gears and pulleys to shafts
- Minimal fixing requirements needed
- For lower torques
- Required tolerances
  Shaft: h8
  Bore of part to be clamped: H8

Stock no.	Bore d (mm)	Outside diameter D (mm)	Dimensions (mm)			NV (Thread)	Tightening Torque (NM)	Max Torque (Nm)
			SW	H	H1			
TRSTN4x8	4	8	8	15	12.5	M6x0.5	4	3
TRSTN5x10	5	10	10	15	12.5	M8x0.5	5	4
TRSTN6x10	6	10	10	15	12.5	M8x0.5	8	7
TRSTN6.35x10	6.35	10	10	15	12.5	M8x0,5	8	7
TRSTN7x12	7	12	12	15	12.0	M10x0.75	9	8
TRSTN8x14	8	14	16	22	19.0	M12x1	15	14
TRSTN9x14	9	14	16	22	19.0	M12x1	15	14
TRSTN9.53x14	9.53	14	16	22	19.0	M12x1	15	14
TRSTN10x17	10	17	18	22	18.5	M15x1	19	18
TRSTN11x17	11	17	18	22	18.5	M15x1	19	18
TRSTN12x17	12	17	18	22	18.5	M15x1	19	18
TRSTN14x20	14	20	20	28	23.0	M17x1	25	24
TRSTN15x20	15	20	20	28	23.0	M17x1	25	24
TRSTN15.88x23	15.88	23	26	28	23.0	M20x1	27	26
TRSTN16x23	16	23	26	28	23.0	M20x1	27	26
TRSTN17x23	17	23	26	28	23.0	M20x1	27	26
TRSTN19x25	19	25	27	28	23.0	M22x1	30	29
TRSTN20x28	20	28	30	28	23.0	M25x1	32	31

DRIVEFLEX

Couplings

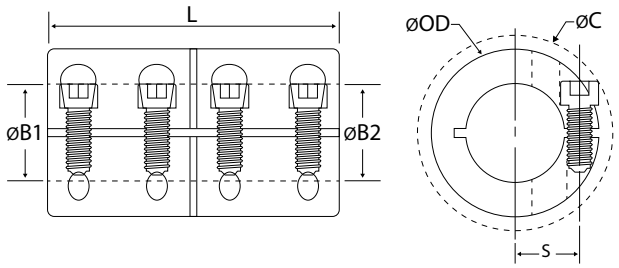


- HRC PARALLEL & TAPER BORE
- FLEXIBLE & BEAM COUPLINGS
- HIGH QUALITY CHAIN AND RUBBER ELEMENTS
- JAW, CHAIN, GEAR & TYRE COUPLINGS

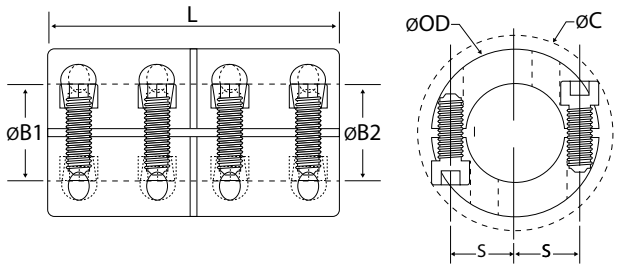
Metric One and Two-Piece Rigid Couplings

DRIVEFLEX

One and Two-Piece Rigid Couplings



RCS SERIES



RCD SERIES

- Bore tolerance +0.012/+0.050 mm
- Materials - Steel C45 (EN8) (Black Oxide), Stainless Steel 303 (SS), Aluminium (AL)
- Precision machined bore = Ra 0.8
- Patchlock Anti-Vibration Screws.
- Recomended shaft tolerance + 0 / - .013 mm

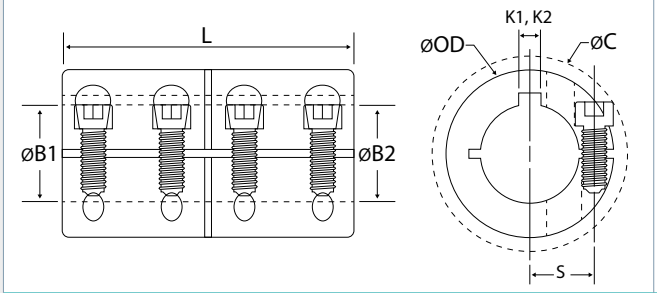
Part No.		Specifications					
One-piece	Two-piece	Bores B1, B2 (mm)	OD (mm)	Length L (mm)	Screw loc. S (mm)	Clearance diam. c (mm) max	Forged clamp screw
RCS3X15	RCD3X15	3	15	22	4.6	15	M2
RCS3X15SS	RCD3X15SS	3	15	22	4.6	15	M2
RCS3X15AL	-	3	15	22	4.6	15	M2
RCS4X15	RCD4X15	4	15	22	4.6	15	M2
RCS4X15SS	RCD4X15SS	4	15	22	4.6	15	M2
RCS4X15AL	-	4	15	22	4.6	15	M2
RCS5X15	RCD5X15	5	15	22	4.6	15	M2
RCS5X15SS	RCD5X15SS	5	15	22	4.6	15	M2
RCS5X15AL	-	5	15	22	4.6	15	M2
RCS6X18	RCD6X18	6	18	30	5.9	21.5	M3
RCS6X18SS	RCD6X18SS	6	18	30	5.9	21.5	M3
RCS6X18AL	-	6	18	30	5.9	21.5	M3
RCS8X24	RCD8X24	8	24	35	9	27.1	M3
RCS8X24SS	RCD8X24SS	8	24	35	9	27.1	M3
RCS8X24AL	-	8	24	35	9	27.1	M3
RCS10X29	RCD10X29	10	29	45	10.6	33	M4
RCS10X29SS	RCD10X29SS	10	29	45	10.6	33	M4
RCS10X29AL	-	10	29	45	10.6	33	M4
RCS12X29	RCD12X29	12	29	45	10.6	33	M4
RCS12X29SS	RCD12X29SS	12	29	45	10.6	33	M4
RCS12X29AL	-	12	29	45	10.6	33	M4
RCS14X34	RCD14X34	14	34	50	12	39.4	M5
RCS14X34SS	RCD14X34SS	14	34	50	12	39.4	M5
RCS15X34	RCD15X34	15	34	50	12	39.4	M5
RCS15X34SS	RCD15X34SS	15	34	50	12	39.4	M5
RCS16X34	RCD16X34	16	34	50	12	39.4	M5
RCS16X34SS	RCD16X34SS	16	34	50	12	39.4	M5
RCS20X42	RCD20X42	20	42	65	15.4	48.9	M6
RCS20X42SS	RCD20X42SS	20	42	65	15.4	48.9	M6
RCS25X45	RCD25X45	25	45	75	16.9	51.5	M6
RCS25X45SS	RCD25X45SS	25	45	75	16.9	51.5	M6
RCS30X53	RCD30X53	30	53	83	20.9	58.7	M6
RCS30X53SS	RCD30X53SS	30	53	83	20.9	58.7	M6
RCS35X67	RCD35X67	35	67	95	26.7	74.7	M8
RCS35X67SS	RCD35X67SS	35	67	95	26.7	74.7	M8
RCS40X77	RCD40X77	40	77	108	31.8	84	M8
RCS40X77SS	RCD40X77SS	40	77	108	31.8	84	M8
RCS50X85	RCD50X85	50	85	124	34.1	94.2	M10
RCS50X85SS	RCD50X85SS	50	85	124	34.1	94.2	M10

24hr Breakdown available | Customisable product | Product code builder | Compatible product

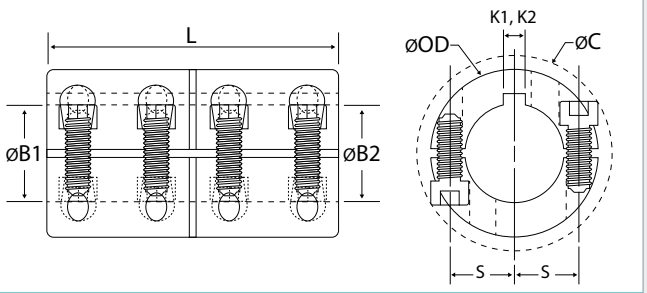
Metric One and Two-Piece Rigid Couplings with Keyway

DRIVEFLEX

One and Two-Piece Rigid Couplings with Keyway



RCSK SERIES



RCDK SERIES

- Bore tolerance +0.012/+0.050 mm
- Materials - Steel C45 (EN8) (Black Oxide), Stainless Steel 303 (SS), Aluminium (AL)
- Precision machined bore = Ra 0.8
- Patchlock Anti-Vibration Screws.
- Recomended shaft tolerance + 0 / - .013 mm

Part No.		Specifications						
One-piece	Two-piece	Bores B1, B2 (mm)	OD (mm)	Length L (mm)	Screw loc. S (mm)	Clearance diam. c (mm) max	Keyway K1, K2 (mm)	Forged clamp screw
RCSK6X18	RCDK6X18	6	18	30	5.9	21.5	2	M3
RCSK6X18SS	RCDK6X18SS	6	18	30	5.9	21.5	2	M3
RCSK8X24	RCDK8X24	8	24	35	9	27.1	2	M3
RCSK8X24SS	RCDK8X24SS	8	24	35	9	27.1	2	M3
RCSK10X29	RCDK10X29	10	29	45	10.6	33	3	M4
RCSK10X29SS	RCDK10X29SS	10	29	45	10.6	33	3	M4
RCSK12X29	RCDK12X29	12	29	45	10.6	33	4	M4
RCSK12X29SS	RCDK12X29SS	12	29	45	10.6	33	4	M4
RCSK14X34	RCDK14X34	14	34	50	12	39.4	5	M5
RCSK14X34SS	RCDK14X34SS	14	34	50	12	39.4	5	M5
RCSK15X34	RCDK15X34	15	34	50	12	39.4	5	M5
RCSK15X34SS	RCDK15X34SS	15	34	50	12	39.4	5	M5
RCSK16X34	RCDK16X34	16	34	50	12	39.4	5	M5
RCSK16X34SS	RCDK16X34SS	16	34	50	12	39.4	5	M5
RCSK20X42	RCDK20X42	20	42	65	15.4	48.9	6	M6
RCSK20X42SS	RCDK20X42SS	20	42	65	15.4	48.9	6	M6
RCSK25X45	RCDK25X45	25	45	75	16.9	51.5	8	M6
RCSK25X45SS	RCDK25X45SS	25	45	75	16.9	51.5	8	M6
RCSK30X53	RCDK30X53	30	53	83	20.9	58.7	8	M6
RCSK30X53SS	RCDK30C53SS	30	53	83	20.9	58.7	8	M6
RCSK35X67	RCDK35X67	35	67	95	26.7	74.7	10	M8
RCSK35X67SS	RCDK35X67SS	35	67	95	26.7	74.7	10	M8
RCSK40X77	RCDK40X77	40	77	108	31.8	84	12	M8
RCSK40X77SS	RCDK40X77SS	40	77	108	31.8	84	12	M8
RCSK50X85	RCDK50X85	50	85	124	34.1	94.2	14	M10
RCSK50X85SS	RCDK50X85SS	50	85	124	34.1	94.2	14	M10

Beam Couplings

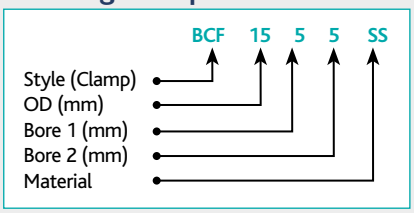
DRIVEFLEX



Introduction

- Material - Aluminium (grade 7075) or Stainless Steel (303)
  Hardware - Alloy Steel fixings with black oxide finish
- Angular Misalignment = 3 degrees
- On assembly shafts may enter up to 0.5 x L (length) Please be aware that shafts must not touch
- Multiple beam cuts improve parallel misalignment capabilities
- Constant velocity
- Flexible with low bearing loads
- Corrosion resistant Stainless Steels
- Aluminum- Extra flexible with low bearing loads
- Lightweight for low inertia
- Temperature range:
  Aluminium 7075: -40°F to 225°F
  Stainless Steel: -40°F to 350°F

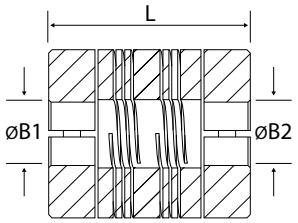
Ordering examples



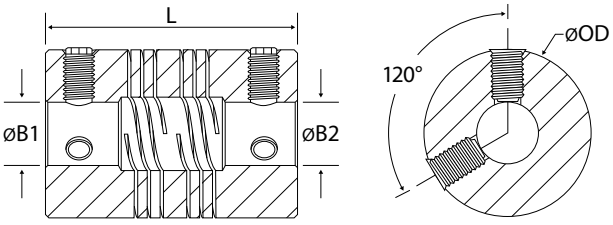
Numbers representing mm's and for types BCG and BCH, 1/16's of an inch.
Aluminium 7075 = A Stainless Steel 303 = SS

Metric Four and Six Beam Beam Couplings - Aluminium 7075 (A) or Stainless Steel 303 (SS)

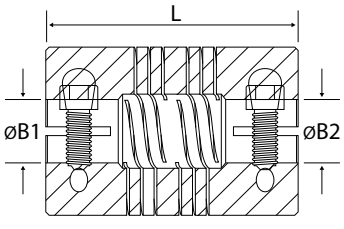
Four and Six Beam Couplings



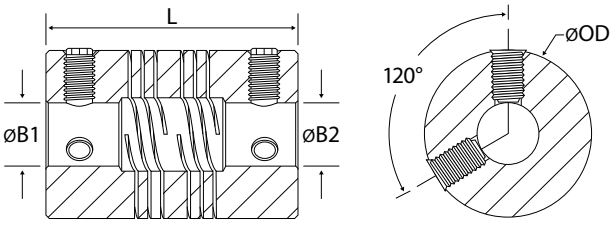
FOUR BEAM BCF SERIES



FOUR BEAM BCE SERIES



SIX BEAM BCC SERIES



SIX BEAM BCD SERIES

- Bore tolerance +0.025 mm / -0.000 mm
- Recommended shaft tolerance +0.000 mm / -0.013 mm
- Type BCC/BCF couplings have two patchlock socket head cap screws each end
- Type BCD/BCE couplings have two set screws each end, 120 degrees apart

Metric Four and Six Beam Couplings - Aluminium 7075 (A) or Stainless Steel 303 (SS)

DRIVEFLEX

24 (984)

FOUR BEAM BCF & BCE SERIES

Part Number		Specifications					
Clamp Style	Set Screw Style	Bores B1, B2 (mm)	Outer Ø OD (mm)	Length L (mm) (BCF)	Length L (mm) (BCE)	Cap Screw (BCF)	Set Screw (BCE)
BCF15	BCE15	3	15	22	20	M2	M3
		4	15	22	20	M2	M3
		5	15	22	20	M2	M3
BCF20	BCE20	4	20	28	20	M3	M3
		5	20	28	20	M3	M3
		6	20	28	20	M3	M3
BCF25	BCE25	6	25	30	24	M3	M4
		8	25	30	24	M3	M4
		10	25	30	24	M3	M4
BCF30	BCE30	8	30	38	30	M4	M5
		10	30	38	30	M4	M5
		12	30	38	30	M4	M5

SIX BEAM BCC & BCD SERIES

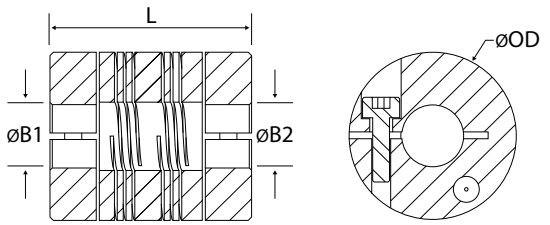
Part Number		Specifications						
Clamp Style	Set Screw Style	Bores B1, B2 (mm)	Outer Ø OD (mm)	Clearance diam. c (mm) (BCC) max	Length L (mm) (BCC)	Length L (mm) (BCD)	Cap Screw (BCC)	Set Screw (BCD)
BCC16	BCD16	5	15.88	20.22	25.4	25.4	M3	M4
		6	15.88	20.22	25.4	25.4	M3	M4
BCC19	BCD19	5	19.05	22.23	31.75	31.75	M3	M4
		6	19.05	22.23	31.75	31.75	M3	M4
		7	19.05	22.23	31.75	31.75	M3	M4
		8	19.05	22.23	31.75	31.75	M3	M4
BCC25	BCD25	6	25.4	28.37	38.1	38.1	M4	M5
		7	25.4	28.37	38.1	38.1	M4	M5
		8	25.4	28.37	38.1	38.1	M4	M5
		9	25.4	28.37	38.1	38.1	M4	M5
		10	25.4	28.37	38.1	38.1	M4	M5
		11	25.4	28.37	38.1	38.1	M4	M5
		12	25.4	28.37	38.1	38.1	M4	M5
BCC32	BCD32	8	31.75	37.06	44.45	44.45	M5	M6
		9	31.75	37.06	44.45	44.45	M5	M6
		10	31.75	37.06	44.45	44.45	M5	M6
		11	31.75	37.06	44.45	44.45	M5	M6
		12	31.75	37.06	44.45	44.45	M5	M6
		14	31.75	37.06	44.45	44.45	M5	M6
		15	31.75	37.06	44.45	44.45	M5	M6
BCC38	BCD38	10	38.1	41.71	57.15	57.15	M5	M6
		11	38.1	41.71	57.15	57.15	M5	M6
		12	38.1	41.71	57.15	57.15	M5	M6
		14	38.1	41.71	57.15	57.15	M5	M6
		15	38.1	41.71	57.15	57.15	M5	M6
		16	38.1	41.71	57.15	57.15	M5	M6
		19	38.1	41.71	57.15	57.15	M5	M6

Four beam and six beam couplings offered. Four beam couplings are more flexible with lower bearing loads.
Six beam couplings have increased torque capacity and higher torsional stiffness.
Two sets of cuts around centre member better accommodate parallel misalignment than single beam couplings.

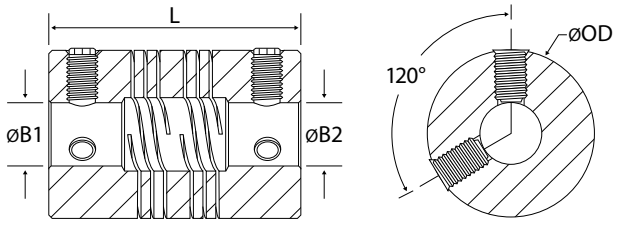
Metric Four Beam Couplings - Aluminium 7075 (A) or Stainless Steel 303 (SS)

DRIVEFLEX

Four Beam Couplings



BCB SERIES



BCA SERIES

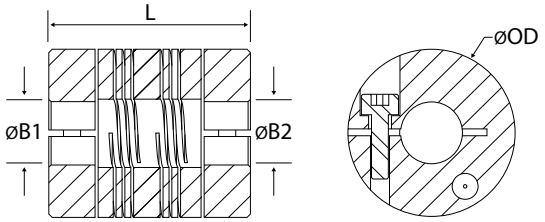
- Bore tolerance +0.025 mm / -0.000 mm
- Recommended shaft tolerance +0.000 mm / -0.013 mm
- Type BCB couplings have socket head cap screws each end.
- Type BCA couplings size BCA10 to BCA19 have one set screw each end, size BCA 22 to BCA32 have two set screws 120 degrees apart
- Zero backlash

Part No.		Specifications				
Clamp Style	Set Screw Style	Bores B1, B2 (mm)	Outer Ø OD (mm)	Length L (mm)	Cap Screw (BCB)	Set Screw (BCA)
BCB10	BCA10	3	9.5	14.3	M1.6	M2
BCB13	BCA13	3	12.7	19.1	M2	M2
		4	12.7	19.1	M2	M2
		5	12.7	19.1	M2	M2
BCB16	BCA16	3	15.9	20.3	M2	M3
		4	15.9	20.3	M2	M3
		5	15.9	20.3	M2	M3
BCB19	BCA19	3	19.1	22.9	M2.5	M4
		4	19.1	22.9	M2.5	M4
		5	19.1	22.9	M2.5	M4
		6	19.1	22.9	M2.5	M4
BCB22	BCA22	5	22.2	27.0	M3	M4
		6	22.2	27.0	M3	M4
		7	22.2	27.0	M3	M4
		8	22.2	27.0	M3	M4
BCB25	BCA25	6	25.4	31.8	M4	M4
		7	25.4	31.8	M4	M4
		8	25.4	31.8	M4	M4
		9	25.4	31.8	M4	M4
		10	25.4	31.8	M4	M4
BCB29	BCA29	6	28.6	38.1	M4	M5
		7	28.6	38.1	M4	M5
		8	28.6	38.1	M4	M5
		9	28.6	38.1	M4	M5
		10	28.6	38.1	M4	M5
		11	28.6	38.1	M4	M5
		12	28.6	38.1	M4	M5
BCB32	BCA32	6	31.8	38.1	M4	M6
		7	31.8	38.1	M4	M6
		8	31.8	38.1	M4	M6
		9	31.8	38.1	M4	M6
		10	31.8	38.1	M4	M6
		11	31.8	38.1	M4	M6
		12	31.8	38.1	M4	M6

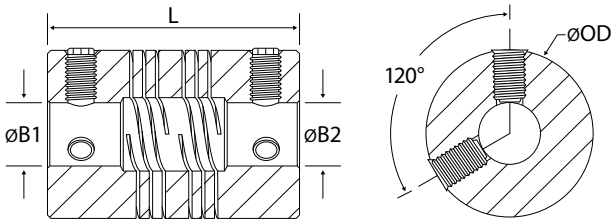
Imperial Four Beam Couplings - Aluminium 7075 (A) or Stainless Steel 303 (SS)

DRIVEFLEX

Four Beam Couplings



BCH SERIES



BCG SERIES

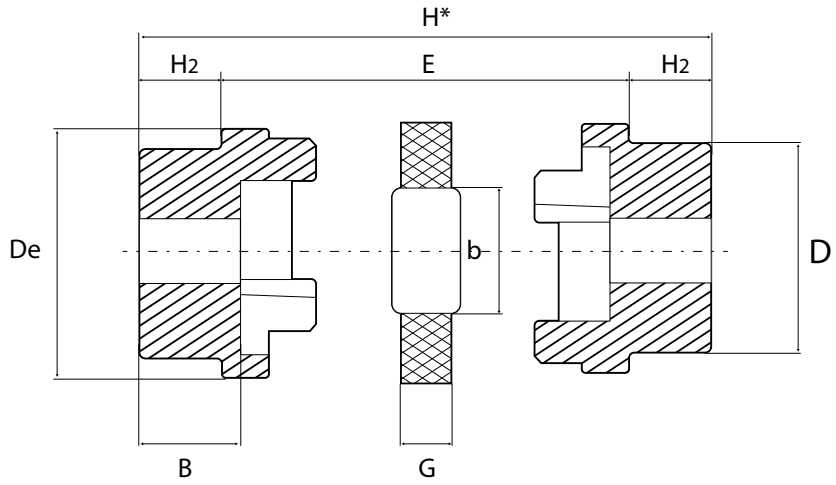
- Bore tolerance +0.001 in / -0.000 in
- Recommended shaft tolerance +0.0000 in / -0.0005 in
- Type BCH couplings have socket head cap screws each end
- Type BCG couplings size BCG6 to BCG12 have one set screw each end, size BCG14 to BCG20 have two set screws 120 degrees apart
- Zero backlash
- *Dims in inches (bores B1/B2 are in imperial dimensions i.e. 1.5 = 1.5 x 1/16th inch)

Part Number		Specifications				
Clamp Style	Set Screw Style	Bores B1, B2 in (1/16)*	Outer Ø OD (in)	Length L (in)	Cap Screw (BCH)	Set Screw (BCG)
BCH6	BCG6	.0938 (1.5)	0.375	0.563	M1.6	M2
BCH8	BCG8	.0938 (1.5)	0.500	0.750	M2	M2
		.1250 (2)	0.500	0.750	M2	M2
BCH10	BCG10	.1250 (2)	0.625	0.800	M2	M3
		.1563 (2.5)	0.625	0.800	M2	M3
		.1875 (3)	0.625	0.800	M2	M3
BCH12	BCG12	.1250 (2)	0.750	0.900	M2.5	M4
		.1563 (2.5)	0.750	0.900	M2.5	M4
		.1875 (3)	0.750	0.900	M2.5	M4
		.2500 (4)	0.750	0.900	M2.5	M4
BCH14	BCG14	.1875 (3)	0.875	1.063	M3	M5
		.2500 (4)	0.875	1.063	M3	M5
		.3125 (5)	0.875	1.063	M3	M5
BCH16	BCG16	.2500 (4)	1.000	1.250	M4	M4
		.3125 (5)	1.000	1.250	M4	M4
		.3750 (6)	1.000	1.250	M4	M4
BCH18	BCG18	.2500 (4)	1.125	1.500	M4	M5
		.3125 (5)	1.125	1.500	M4	M5
		.3750 (6)	1.125	1.500	M4	M5
		.5000 (8)	1.125	1.500	M4	M5
BCH20	BCG20	.2500 (4)	1.250	1.500	M4	M6
		.3125 (5)	1.250	1.500	M4	M6
		.3750 (6)	1.250	1.500	M4	M6
		.5000 (8)	1.250	1.500	M4	M6

HRC Parallel Bore Flexible Shaft Couplings

DRIVEFLEX

HRC



PARALLEL BORE FLEXIBLE SHAFT COUPLINGS

Dimensions

Size of coupling	Min. bore	Max. bore	De	D	b	E	G	H2	B	H*
70	10	32	69	60	31	25	18	20	23.5	65
90	10	42	85	70	32	30.5	22.5	26	30	82.5
110	10	55	112	100	45	45	29	37	45	119
130	20	60	130	105	50	53	36	47	55.5	147
150	28	70	150	115	62	60	40	50	60	160
180	28	80	180	125	77	73	49	58	70	189
230	45	100	225	155	99	85.5	59.5	77	90	239.5
280	55	130	275	206	119	105.5	74.5	90	105.5	285.5

*Approximate overall length



Flexible Pebax® Elements

Size of coupling	70	90	110	130	150	180	230	280
Black Pebax® general use	KE-7	KE-9	KE-11	KE-13	KE-15	KE-18	KE-23	KE-28

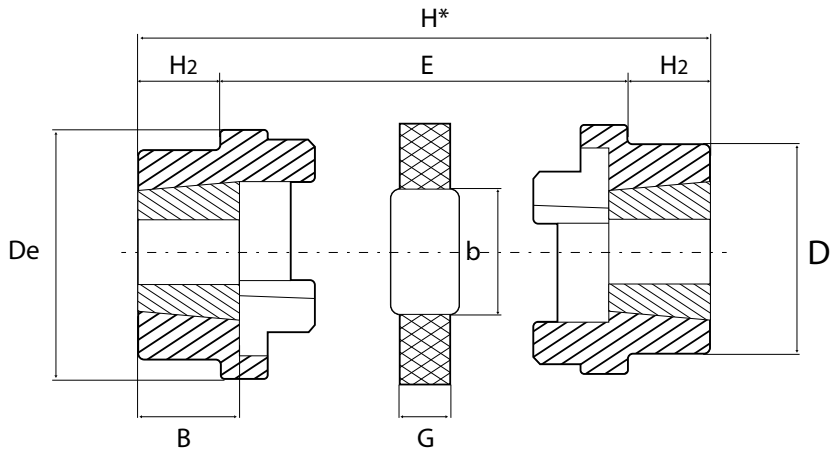
Flexible Element Characteristics

Type	Material	Temperature °C	Properties
Pebax®	Polyether Block Amides	-40 up to +85	Resistant to oil Low absorption of liquids Partially resistant to chemicals

HRC Taper Bore Flexible Shaft Couplings

DRIVEFLEX

HRC



TYPE F TYPE H

TAPER BORE FLEXIBLE SHAFT COUPLINGS

Dimensions

Size of coupling	Bush	Max. bore	De	D	b	E	G	H2	B	J	H*
70	1008	25	69	60	31	25	18	20	23.5	29	65
90	1108	28	85	70	32	30.5	22.5	19.5	23.5	29	69.5
110	1610	42	112	100	45	45	29	18.5	26.5	38	82
130	1610	42	130	105	50	53	36	18	26.5	38	89
150	2012	50	150	115	62	60	40	23.5	33.5	42	107
180	2517	60	180	125	77	73	49	34.5	46.5	48	142
230	3020	75	225	155	99	85.5	59.5	39.5	52.5	55	165
280	3525	100	275	206	119	106	74.5	51	66.5	67	208

*Approximate overall length J= The wrench clearance required for tightening and losening the bush on the shaft

Flexible Pebax® Elements

Size of coupling	70	90	110	130	150	180	230	280
Black Pebax® general use	KE-7	KE-9	KE-11	KE-13	KE-15	KE-18	KE-23	KE-28

Flexible Element Characteristics

Type	Material	Temperature °C	Properties
Pebax®	Polyether Block Amides	-40 up to +85	Resistant to oil Low absorption of liquids Partially resistant to chemicals

The taper bored hubs can be provided with the taper lock bush fitting from the hub end (External) "Type H", or from the flange end (Internal) "Type F", to enable easy fitting to motor/gearbox shafts.

HRC Flexible Shaft Couplings Technical Data

DRIVEFLEX

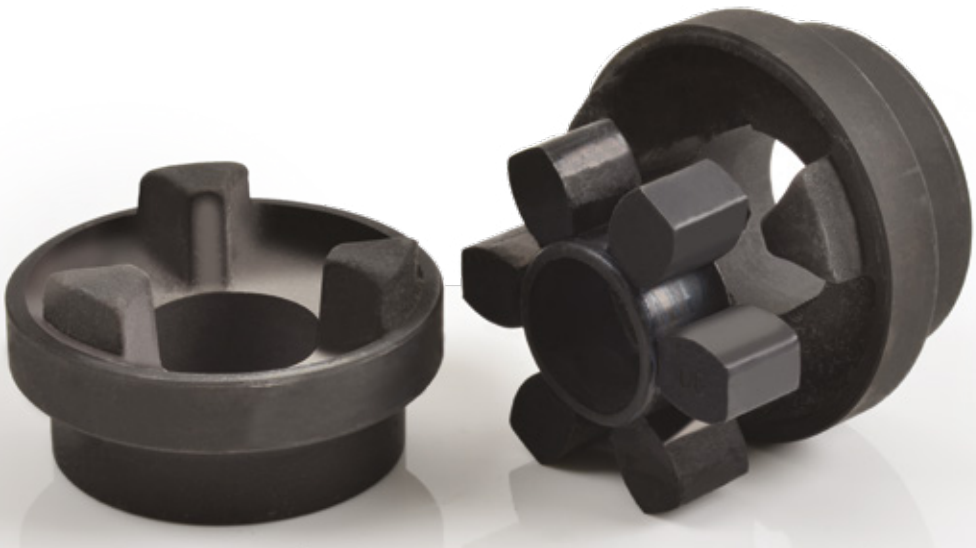
General data

Size of coupling	Bush size	Torque		Max. speed* (rpm)	Moment of inertia**		Weight of coupling**	
		Nominal (Nm)	Max. (Nm)		Bush type (kgm²)	Std. type (kgm²)	Bush type (kg)	Std. type (kg)
70	1008	33	73	7700	0.00085	0.00078	1	1.1
90	1108	84	185	6300	0.00115	0.00108	1.7	1.7
110	1610	168	370	5000	0.00400	0.00344	5	4.2
130	1610	331	728	4100	0.00780	0.00850	5.5	6.3
150	2012	630	1490	3600	0.01810	0.02112	7.1	9.5
180	2517	998	2300	3000	0.04340	0.04820	16.6	15.0
230	3020	2100	4800	2600	0.12068	0.14052	26.0	28.0
280	3525	3308	7000	2200	0.44653	0.54790	50.0	63.0

*At speeds exceeding allowable maximum speed, please consult our Technical Department.
** Including bush with a medium bore.

Permissible misalignment tolerances (mm)

Size of coupling	70	90	110	130	150	180	230	280
Axial misalignment	+0.2	+0.5	+0.6	+0.8	+0.9	+1.1	+1.3	+1.7
Radial misalignment	0.3	0.3	0.3	0.4	0.4	0.4	0.5	0.5
Angular misalignment	0.5	0.5	1	1	1.5	1.5	2	2.5



HRC Flexible Shaft Couplings Selection Procedure

DRIVEFLEX

Table 1 - Service Factors

Type of load	Driven	Driver		
		Electric motors, light turbines	Internal combustion engine >=4 cylinders	Internal combustion engine 1 - 3 cylinders
Uniform no vibration	Agitators, conveyors, centrifugal pumps and compressors, centrifugal fans, generators and machine tools	1	1.4	1.8
Moderate no vibration	Agitators, conveyors, hoisting equipment, bucket elevators, textile machines, mixers, printing machinery, sawmill machinery, rotary pumps	1.4	2	2.4
Substantial vibrations	Hoisting equipment, calendars, crushers, dredgers, revolving furnaces, print presses, cutting presses, rotary compressors	2	2.4	2.8
Heavy shocks & vibration	Crushers, extruders, rubber mixers, reciprocating pumps, and conveyors, reciprocating compressors, vibrating screens	2.4	2.8	3.2

Table 2 - Operating Hours Factor

>	-	2	8	16
<=	2	8	16	-
L	0.9	1	1.1	1.2

Table 3 - Starting Frequency Factor

>	-	1	30	60
<=	1	30	60	-
S	1	1.2	1.3	1.5

Coupling Selection Procedure

1 → Select **Service Factor (Table 1)**.

2 → Nominal power multiplied by Service Factor equals temporary designed power **K**.

3 → Designed power **K** should then be multiplied by **Factor L (Table 2) and S (Table 3)**.

K x L x S gives the design power, which is used for coupling selection in **Table 4**.

4 → Check from dimensional tables that chosen coupling has room to be mounted.

Table 4 - Size of Coupling

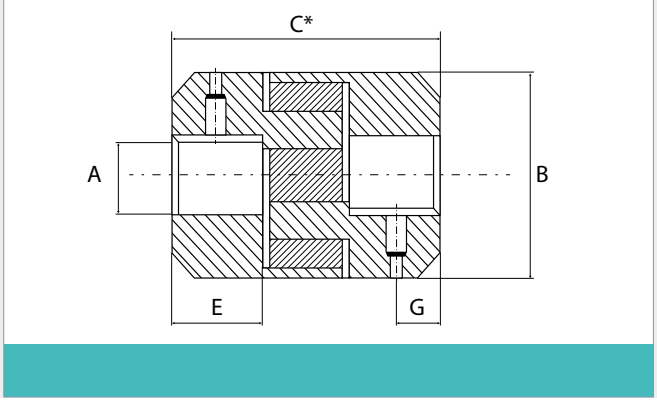
RPM	kW							
	70	90	110	130	150	180	230	280
100	0.35	0.88	1.75	3.44	6.59	10.43	22.00	34.65
200	0.69	1.75	3.52	6.88	13.18	20.86	44.02	69.30
400	1.39	3.51	7.04	13.77	26.37	41.72	88.04	138.60
600	2.08	5.25	10.55	20.65	39.55	62.58	132.06	207.90
800	2.78	7.00	14.07	27.53	52.73	83.44	176.08	277.20
1000	3.47	8.75	17.59	34.42	65.92	104.30	220.10	346.50
1200	4.16	10.50	21.11	41.30	79.10	125.20	264.12	415.80
1400	4.86	12.25	24.62	48.18	92.28	146.02	308.13	485.10
1600	5.55	14.00	27.14	55.07	105.47	166.88	352.15	554.10
1800	6.25	15.76	31.66	61.95	118.65	187.74	396.17	623.70
2000	6.94	17.51	35.18	68.83	131.83	208.60	440.19	693.00
2200	7.64	19.26	38.69	75.72	145.01	229.46	484.21	762.30
2400	8.33	21.00	42.21	82.60	158.20	250.32	528.23	
2600	9.02	22.76	45.73	89.48	171.38	271.18	572.25	
2800	9.72	24.51	49.25	96.37	184.57	292.04		
3000	10.41	26.26	52.76	103.25	197.75	312.90		
3500	12.15	30.64	61.56	120.46	230.71			
4000	13.88	35.01	70.35	136.67				
4500	15.62	39.39	79.14					
5000	17.35	43.76	87.94					
5500	19.09	48.14						
6000	20.82	52.52						
6500	25.56							
7000	24.30							
7500	26.03							

Dynamic Balance Required

Jaw Couplings

DRIVEFLEX

Jaw couplings





Dimensions

Type	A		B	C*	E	G	Coupling weight (kg)	Insert		Insert weight (kg)
	Min. bore	Max. bore						Rubber	Hytrel	
L050	6	14	27.5	44	16	6.5	0.22	✓	✓	0.02
L070	9	19	35	51	19	9.5	0.14	✓	✓	0.03
L075	9	24	44.5	54	21	8	0.23	✓	✓	0.07
L090	9	24	54	54	21	8.7	0.36	✓	✓	0.1
L095	9	28	54	64	25	11.5	0.4	✓	✓	0.1
L099	12.7	30.2	64.3	73	27	12	0.61	✓	✓	0.15
L100	12	35	65	89	35	12.5	0.81	✓	✓	0.15
L110	15	42	84	108	43	20.5	1.71	✓	✓	0.3
L150	15	48	96	115	45	22.5	2.28	✓	✓	0.63

*Approximate overall length

Permissible Forces

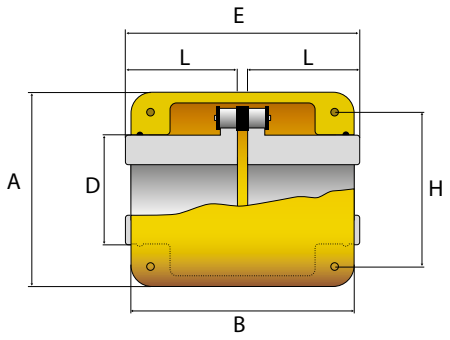
Type	Nominal torque	Permissible kW power rating (RPM)						Max. RPM
		100	720	960	1440	2880	3600	
L050	3.510	0.037	0.260	0.350	0.530	1.730	2.170	18000
L070	5.77	0.06	0.43	0.58	0.87	3.61	4.51	14000
L075	11.90	0.12	0.90	1.20	1.80	5.78	7.22	11000
L090	19.20	0.20	1.44	1.93	2.89	7.78	9.73	9000
L095	25.80	0.27	1.95	2.59	3.89	16.73	20.91	9000
L099	40.35	0.39	3.03	4.08	6.05	12.50	15.53	8000
L100	55.4	0.58	4.18	5.58	8.36	31.77	39.71	7000
L110	105.00	1.10	7.94	10.59	15.88	44.93	56.16	5000
L150	150.00	1.56	11.23	14.98	22.46	60.28	75.35	4000

Power factor, x3 for Hytrel insert

Chain Couplings

DRIVEFLEX

Chain couplings





- Wide range of standard sizes stocked
- Larger sizes also available on request

Dimensions

Coupling							Case			
Type	Bore size		E	L	D	Weight (kg)	A	B	H	Weight (kg)
	Min.	Max.								
4012	11	22	80	36	35	0.8	75	75	61	0.3
4016	15	30	80	36	50	1.4	92	75	77	0.4
5016	15	40	100	45	60	2.6	111	85	96	0.6
5018	19	45	100	45	70	3.5	122	85	106	0.7
6018	22	55	120	54	85	6.2	142	106	128	1
6022	25	75	120	54	110	9.8	167	106	152	1.2
8018	30	78	150	67	115	13.9	186	130	170	2.3
8022	35	95	150	67	140	20.2	220	130	202	2.4

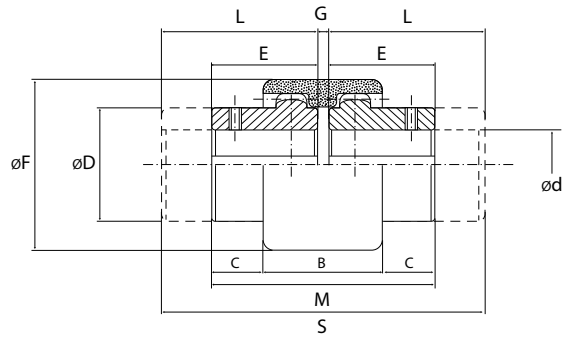
Permissible Forces

Type	Nominal torque	Permissible kW power rating (RPM)								Max. RPM
		100	400	600	800	1500	1800	2000	2500	
4012	222	1.73	4.15	5.67	7.01	11.40	13.70	14.80	17.90	6000
4016	394	30.90	7.41	10.10	12.50	21	24.40	26.30	31.90	4800
5016	750	5.86	14.1	19.20	23.80	39.90	46.40	50	60.60	3600
5018	950	7.43	17.80	24.40	30.10	50.50	58.80	63.40	76.80	3000
6018	1790	14	33.60	45.90	56.80	95.20	111	120	145	2500
6022	2420	18.80	45.30	61.90	76.50	128	149	161	195	2500
8018	3960	31	74.50	101	126	211	246	265	-	2000
8022	5700	44.50	106	146	180	302	352	379	-	2000

Nylon Sleeve Gear Couplings

DRIVEFLEX

Nylon Sleeve Gear Couplings



TYPE GF

Dimensions

Type	Nominal bore: d (H7)	Max. bore	Standard hubs							Long hubs	
			B	C	ø D	E	ø F	G*	M*	L**	S**
GF14	6	14	38	6.5	25	23.5	41	4	51	30	64
GF19	8	19	38	8.5	32	25.5	48	4	55	40	84
GF24	10	24	42	7.5	36	26.5	52	4	57	50	104
GF28	10	28	48	19	45	41	68	4	86	60	124
GF32	12	32	48	18	50	40	75	4	84	60	124
GF38	14	38	50	17	58	40	85	4	84	80	164
GF42	20	42	50	19	63	42	95	4	88	110	224
GF48	20	48	50	27	68	50	100	4	104	110	224
GF55	25	55	65	29.5	82	60	120	4	124	110	224
GF65	25	65	72	36	95	70	140	4	144	140	284

* Assembled length.
** Coupling hub length to fully fit standard shafts of UNEL-MEC range of motors.

Permissible Forces

Type	Power factor kW RPM		Torque (Nm)		Power transmitted in kW at (RPM)								Max. (RPM)	Mass* (kg)	J* (kg cm^2)	Maximum misalignment for each hub		Axial displacement (mm)
					750		1000		1500		3000					Angular (per hub)	Radial (mm)	
	norm.	max.	norm.	max.	norm.	max.	norm.	max.	norm.	max.	norm.	max.						
GF-14	0.0011	0.0023	11.5	23	0.8	1.5	1.1	2.0	1.6	3.0	3.3	6.0	14000	0.166	0.27	+2	0.7	+1
GF-19	0.0019	0.0037	18.5	36.5	1.3	2.7	1.8	3.7	2.7	5.5	5.4	11.1	12000	0.276	0.64	+2	0.8	+1
GF-24	0.0023	0.0047	23	46	1.7	3.5	2.3	4.7	3.4	7.0	6.9	14.1	10000	0.312	0.92	+2	0.8	+1
GF-28	0.0053	0.0106	51.5	103.5	3.9	7.9	5.2	10.6	7.8	15.9	15.6	31.8	8000	0.779	3.45	+2	1	+1
GF-32	0.0071	0.0142	69	138	5.2	10.5	7.0	14.1	10.5	21.1	21.0	42.3	7100	0.918	5.03	+2	1	+1
GF-38	0.0090	0.0181	88	176	6.7	13.5	9.0	18.0	13.5	27.0	27.0	54.0	6300	1.278	9.59	+2	0.9	+1
GF-42	0.0113	0.0226	110	220	8.4	16.8	11.2	22.5	16.8	33.7	33.6	67.5	6000	1.473	13.06	+2	0.9	+1
GF-48	0.0158	0.0317	154	308	11.8	23.6	15.8	31.6	23.7	47.4	47.4	94.8	5600	1.777	18.15	+2	0.9	+1
GF-55	0.029	0.058	285	570	21.7	43.5	29.0	58.0	43.5	87.0	87.0	174.0	4800	3.380	49.44	+2	1.2	+1
GF-65	0.0432	0.0865	420	840	32.1	64.3	42.9	85.8	64.3	128.7	128.7	257.4	4000	4.988	106.34	+2	1.3	+1

* Normal coupling reference complete with maximum bore, without keyway.

DRIVEFLEX

DRIVEFLEX® PULLEYS FOR POLY CHAIN® & SYNCHROCHAIN® BELTS

TransDev's Driveflex range of timing pulleys suit Poly Chain® and SYNCHROCHAIN® belts.

- Huge range of industry standard high power pulleys
- High quality and extremely cost effective
- Available in pilot bore and taper lock bush type
- Correct profiles for Poly Chain® and SYNCHROCHAIN® belts
- Materials are in Steel or Cast Iron with Steel flanges (dependent on size)
- TransDev can rework standard and stock pulleys to your requirements on pulleys under 400mm diameter
- See the Online TransDev Range Catalogue for specific materials and dimensions

Pulley Compatibility

Gates	CONTI®
Poly Chain® GT2	SYNCROCHAIN®
Poly Chain® GT Carbon	SYNCROCHAIN CARBON®



IN STOCK NOW FOR NEXT DAY DELIVERY!



Discover strength, speed and high performance when you need it most.

CONTI® SYNCROCHAIN and
CONTI® SYNCROCHAIN CARBON belts

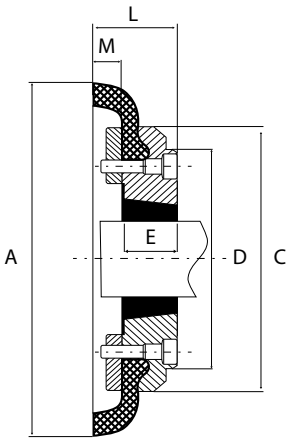
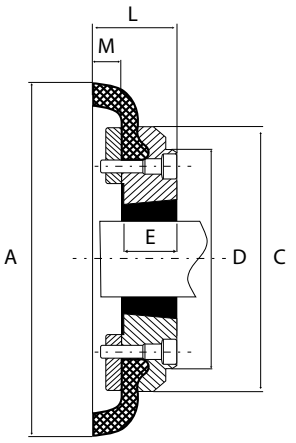
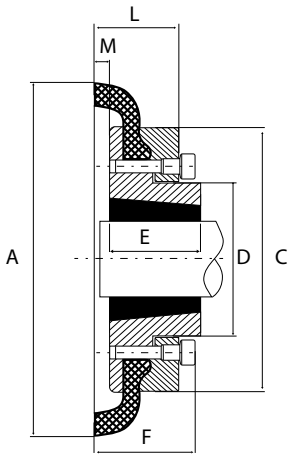
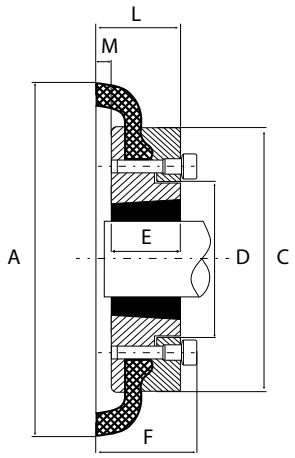
NOTHING STANDS IN ITS WAY

For **SYNCHROCHAIN PULLEYS** see page 391

TransDev® THE POWER IN MOTION

Taper Bore Tyre Couplings

DRIVEFLEX

Size 40-60		Size 70-160	
			
TYPE F	TYPE H	TYPE F	TYPE H



Taper Bore Tyre Couplings

DRIVEFLEX

Dimensions

Taper hub flanges													Tyres			Assembly	
Size	Type	Bush no.	Max bore		Types F & H		A	C	D	F	M	Wt. (kg)	Power kW/100 (rpm)	Max. Speed (rpm)	Approx. (wt. kg)	Clamping screw torque Nm.	Clamping screw size
			Metric	Inch	L	E											
FCT40	F	1008	25	1	33	22	104	82	-	-	11	0.8	0.22	4500	0.1	15	M6
FCT40	H	1008	25	1	33	22	104	82	-	-	11	0.8	0.22	4500	0.1	15	M6
FCT50	F	1210	32	1 1/4	38	25	133	100	79	-	12.5	1.2	0.56	4500	0.3	15	M6
FCT50	H	1210	32	1 1/4	38	25	133	100	79	-	12.5	1.2	0.56	4500	0.3	15	M6
FCT60	F	1610	42	1 5/8	42	25	165	125	103	-	16.5	2	1.11	4500	0.5	15	M6
FCT60	H	1610	42	1 5/8	42	25	165	125	103	-	16.5	2	1.11	4500	0.5	15	M6
FCT70	F	2012	50	2	44	32	187	144	80	50	11.5	3.1	1.7	3600	0.7	24	M8
FCT70	H	1610	42	1 5/8	42	25	187	144	80	50	11.5	3	1.7	3600	0.7	24	M8
FCT80	F	2517	60	2 1/2	58	45	211	167	95	54	12.5	4.9	2.65	3100	1	24	M8
FCT80	H	2012	50	2	45	32	211	167	98	54	12.5	4.6	2.65	3100	1	24	M8
FCT90	F	2517	60	2 1/2	59.5	45	235	188	108	60	13.5	7	3.82	2880	1.1	40	M10
FCT90	H	2517	60	2 1/2	59.5	45	235	188	108	60	13.5	7	3.82	2880	1.1	40	M10
FCT100	F	3020	75	3	65.5	51	254	216	120	62	13.5	9.9	5.29	2600	1.1	40	M10
FCT100	H	2517	60	2 1/2	59.5	45	254	216	113	62	13.5	9.4	5.29	2600	1.1	40	M10
FCT110	F	3020	75	3	63.5	51	279	233	134	62	12.5	11.7	7.46	2300	1.4	40	M10
FCT110	H	3020	75	3	63.5	51	279	233	134	62	12.5	11.7	7.46	2300	1.4	40	M10
FCT120	F	3525	100	4	79.5	65	314	264	140	67	14.5	16.5	12.4	2050	2.3	50	M12
FCT120	H	3020	75	3	65.5	51	314	264	140	67	14.5	15.9	12.4	2050	2.3	50	M12
FCT140	F	3525	100	4	81.5	65	359	311	178	73	16	22.3	19.7	1800	2.6	55	M12
FCT140	H	3525	100	4	81.5	65	359	311	178	73	16	22.3	19.7	1800	2.6	55	M12
FCT160	F	4030	115	4 1/2	92	77	402	345	197	78	15	32.5	32.6	1600	3.4	80	M16
FCT160	H	4030	115	4 1/2	92	77	402	345	197	78	15	32.5	32.6	1600	3.4	80	M16

Permissible forces

Size	Torque	Permissible kW power rating (RPM)											Max RPM
		100	300	500	700	900	1000	1200	1400	1600	1800	2000	
FCT40	24	0.25	0.75	1.26	1.76	2.26	2.51	3.02	3.52	4.02	4.52	5.03	4500
FCT50	66	0.69	2.07	3.46	4.84	6.22	6.91	8.29	9.68	11.10	12.40	13.80	4500
FCT60	127	1.33	3.99	6.65	9.31	12	13.30	16	18.60	21.30	23.90	26.60	4000
FCT70	250	2.62	7.85	13.10	18.30	23.60	26.20	31.40	36.60	41.90	47.10	52.40	3600
FCT80	375	3.93	11.80	19.60	27.50	35.30	39.30	47.10	55	62.80	70.70	78.50	3100
FCT90	500	5.24	15.70	26.20	36.60	47.10	52.40	62.80	73.30	83.80	94.20	105.50	3000
FCT100	675	7.07	21.20	35.30	49.50	63.60	70.70	84.80	99	113	127	141	2600
FCT110	875	9.16	27.50	45.80	64.10	82.50	91.60	110	128	147	165	183	2300
FCT120	1330	13.90	41.80	69.60	97.50	125	139	167	195	223	251	279	2050
FCT140	2325	24.30	73	122	170	219	243	292	341	390	438	-	1800
FCT160	3770	39.50	118	197	276	355	395	474	553	632	-	-	1600

DRIVEFLEX

Shaft Collars



METRIC BORE &
IMPERIAL BORE

SHAFT COLLARS

SPLIT SHAFT COLLARS

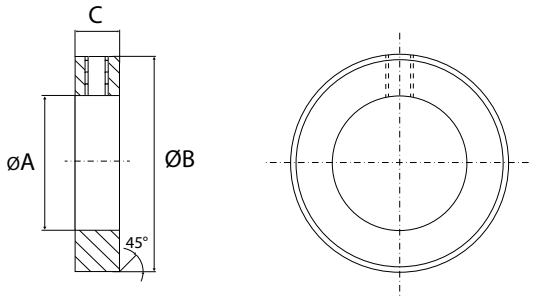
STEEL &
STAINLESS STEEL

ANTI-CORROSION
FINISH

Metric Bore Shaft Collars (Steel & Stainless Steel)

DRIVEFLEX

Metric Bore



CABU/CABUST

Tolerances (mm)	
Diameter A (4mm - 13mm)	+ 0.01mm / + 0.06mm
Diameter A (14mm - 70mm)	+ 0.01mm / + 0.08mm
Diameter B	+ 0.127 / - 0.000mm
Length C	+ 0.12mm / - 0.12mm

- Industry standard
- Interchangeable
- Common type
- Anti-corrosion finish

Type CABU in Steel En8 Zinc plated Supplied with setscrew(s)

Stock no.	Bore A (mm)	Diameter B (mm)	Width C (mm)	Setscrew
WHCABU04Z	4	8	5	M2.5
WHCABU05Z	5	10	6	M3
WHCABU06Z	6	12	8	M4
WHCABU07Z	7	12	8	M4
WHCABU08Z	8	16	8	M4
WHCABU09Z	9	18	10	M5
WHCABU10Z	10	20	10	M5
WHCABU11Z	11	20	10	M5
WHCABU12Z	12	22	12	M6
WHCABU13Z	13	22	12	M6
WHCABU14Z	14	25	12	M6
WHCABU15Z	15	25	12	M6
WHCABU16Z	16	28	12	M6
WHCABU17Z	17	28	12	M6
WHCABU18Z	18	32	14	M6
WHCABU19Z	19	32	14	M6
WHCABU20Z	20	32	14	M6
WHCABU22Z	22	36	14	M6
WHCABU24Z	24	40	16	M8
WHCABU25Z	25	40	16	M8
WHCABU26Z	26	45	16	M8
WHCABU28Z	28	45	16	M8
WHCABU30Z	30	45	16	M8
WHCABU32Z	32	50	16	M8
WHCABU35Z	35	56	16	M8
WHCABU36Z	36	56	16	M8
WHCABU38Z	38	56	16	M8
WHCABU40Z	40	63	18	M10
WHCABU42Z	42	70	18	M10
WHCABU45Z	45	70	18	M10
WHCABU48Z	48	80	18	m10
WHCABU50Z	50	80	18	M10
WHCABU55Z	55	80	20	M10
WHCABU60Z	60	90	20	M10
WHCABU65Z	65	100	22	M10
WHCABU70Z	70	100	20	M10
WHCABU75Z	75	110	25	M12
WHCABU80Z	80	110	25	M12

Type CABUST in Stainless Steel 304 Supplied with setscrew(s)

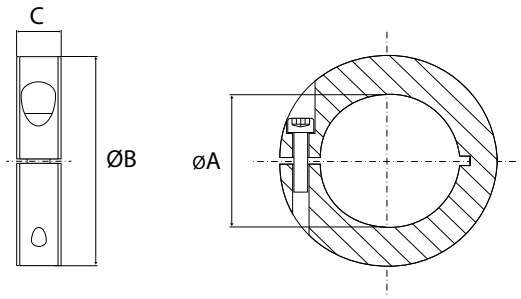
Stock no.	Bore A (mm)	Diameter B (mm)	Width C (mm)	Setscrew
WHCABU05ST	5	10	6	M3
WHCABU06ST	6	12	8	M4
WHCABU08ST	8	16	8	M4
WHCABU10ST	10	20	10	M5
WHCABU12ST	12	22	12	M6
WHCABU14ST	14	25	12	M6
WHCABU15ST	15	25	12	M6
WHCABU16ST	16	28	12	M6
WHCABU18ST	18	32	14	M6
WHCABU20ST	20	32	14	M6
WHCABU22ST	22	36	14	M6
WHCABU24ST	24	40	16	M8
WHCABU25ST	25	40	16	M8
WHCABU28ST	28	45	16	M8
WHCABU30ST	30	45	16	M8
WHCABU32ST	32	50	16	M8
WHCABU35ST	35	56	16	M8
WHCABU40ST	40	63	18	M10
WHCABU45ST	45	70	18	M10
WHCABU50ST	50	80	18	M10



Metric Bore Single Split Shaft Collars (Steel & Stainless Steel)

DRIVEFLEX

Metric Bore



CASB/CASBST

Tolerances (mm)	
Diameter A (3mm - 6mm)	+ 0.05mm / + 0.00mm
Diameter A (7mm - 28mm)	+ 0.07mm / + 0.00mm
Diameter A (30mm - 80mm)	+ 0.12mm / + 0.00mm
Diameter B	+ 0.20 / - 0.20mm
Length C	+ 0.08mm / - 0.25mm

- Industry standard
- Interchangeable
- Common type
- Anti-corrosion finish

Type CASB in Steel AISI/SAE 1018 Zinc plated Supplied with clamp bolt

Stock no.	Bore A (mm)	Diameter B (mm)	Width C (mm)	Clamp bolts
WHCASB04Z	4	16	9	M3X8
WHCASB05Z	5	16	9	M3X8
WHCASB06Z	6	16	9	M3X8
WHCASB07Z	7	18	9	M3X8
WHCASB08Z	8	18	9	M3X8
WHCASB09Z	9	24	9	M3X10
WHCASB10Z	10	24	9	M3X10
WHCASB11Z	11	28	11	M4X12
WHCASB12Z	12	28	11	M4X12
WHCASB13Z	13	30	11	M4X14
WHCASB14Z	14	30	11	M4X14
WHCASB15Z	15	34	13	M5X16
WHCASB16Z	16	34	13	M5X16
WHCASB17Z	17	36	13	M5X16
WHCASB18Z	18	36	13	M5X16
WHCASB19Z	19	40	15	M5X16
WHCASB20Z	20	40	15	M6X16
WHCASB22Z	22	42	15	M6X16
WHCASB24Z	24	45	15	M6X16
WHCASB25Z	25	45	15	M6X16
WHCASB26Z	26	48	15	M6X16
WHCASB28Z	28	48	15	M6X16
WHCASB30Z	30	54	15	M6X18
WHCASB32Z	32	54	15	M6X18
WHCASB35Z	35	57	15	M6X18
WHCASB36Z	36	57	15	M6X18
WHCASB38Z	38	60	15	M6X18
WHCASB40Z	40	60	15	M6X18
WHCASB42Z	42	73	19	M8X25
WHCASB45Z	45	73	19	M8X25
WHCASB48Z	48	78	19	M8X25
WHCASB50Z	50	78	19	M8X25
WHCASB55Z	55	82	19	M8X25
WHCASB60Z	60	88	19	M8X25
WHCASB70Z	70	98	19	M8X25
WHCASB80Z	80	108	19	M8X25

Type CASBST in Stainless Steel 304 Supplied with clamp bolt

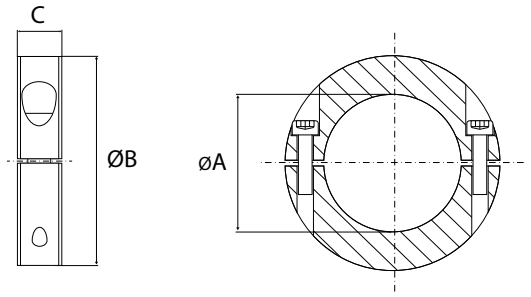
Stock no.	Bore A (mm)	Diameter B (mm)	Width C (mm)	Clamp bolts
WHCASB04ST	4	16	9	M3X8
WHCASB05ST	5	16	9	M3X8
WHCASB06ST	6	16	9	M3X8
WHCASB08ST	8	18	9	M3X8
WHCASB10ST	10	24	9	M3X10
WHCASB12ST	12	28	11	M4X12
WHCASB14ST	14	30	11	M4X14
WHCASB15ST	15	34	13	M5X16
WHCASB16ST	16	34	13	M5X16
WHCASB20ST	20	40	15	M6X16
WHCASB24ST	24	45	15	M6X16
WHCASB25ST	25	45	15	M6X16
WHCASB30ST	30	54	15	M6X18
WHCASB40ST	40	60	15	M6X18



Metric Bore Double Split Shaft Collars (Steel & Stainless Steel)

DRIVEFLEX

Metric Bore



CADB/CADBST

Tolerances (mm)	
Diameter A (3mm - 6mm)	+ 0.05mm / + 0.00mm
Diameter A (7mm - 28mm)	+ 0.07mm / + 0.00mm
Diameter A (30mm - 80mm)	+ 0.12mm / + 0.00mm
Diameter B	+ 0.20 / - 0.20mm
Length C	+ 0.08mm / - 0.25mm

- Industry standard
- Interchangeable
- Common type
- Anti-corrosion finish

Type CADB in Steel AISI/SAE 1018 Zinc plated Supplied with clamp bolt

Stock no.	Bore A (mm)	Diameter B (mm)	Width C (mm)	Clamp bolts
WHCADB04Z	4	16	9	M3X8
WHCADB05Z	5	16	9	M3X8
WHCADB06Z	6	16	9	M3X8
WHCADB07Z	7	18	9	M3X8
WHCADB08Z	8	18	9	M3X8
WHCADB09Z	9	24	9	M3X10
WHCADB10Z	10	24	9	M3X10
WHCADB11Z	11	28	11	M4X12
WHCADB12Z	12	28	11	M4X12
WHCADB13Z	13	30	11	M4X14
WHCADB14Z	14	30	11	M4X14
WHCADB15Z	15	34	13	M5X16
WHCADB16Z	16	34	13	M5X16
WHCADB17Z	17	36	13	M5X16
WHCADB18Z	18	36	13	M5X16
WHCADB19Z	19	40	15	M5X16
WHCADB20Z	20	40	15	M6X16
WHCADB22Z	22	42	15	M6X16
WHCADB24Z	24	45	15	M6X16
WHCADB25Z	25	45	15	M6X16
WHCADB26Z	26	48	15	M6X16
WHCADB28Z	28	48	15	M6X16
WHCADB30Z	30	54	15	M6X18
WHCADB32Z	32	54	15	M6X18
WHCADB35Z	35	57	15	M6X18
WHCADB36Z	36	57	15	M6X18
WHCADB38Z	38	60	15	M6X18
WHCADB40Z	40	60	15	M6X18
WHCADB42Z	42	73	19	M8X25
WHCADB45Z	45	73	19	M8X25
WHCADB48Z	48	78	19	M8X25
WHCADB50Z	50	78	19	M8X25
WHCADB55Z	55	82	19	M8X25
WHCADB60Z	60	88	19	M8X25
WHCADB70Z	70	98	19	M8X25
WHCADB80Z	80	108	19	M8X25

Type CADBST in Stainless Steel 304 Supplied with clamp bolt

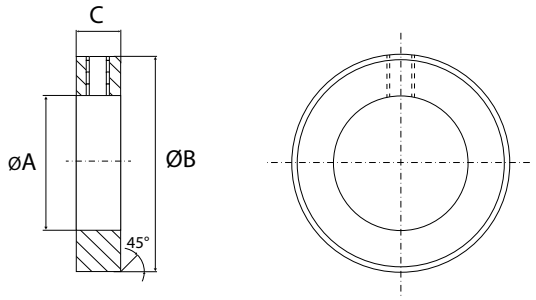
Stock no.	Bore A (mm)	Diameter B (mm)	Width C (mm)	Clamp bolts
WHCADB04ST	4	16	9	M3X8
WHCADB05ST	5	16	9	M3X8
WHCADB06ST	6	16	9	M3X8
WHCADB08ST	8	18	9	M3X8
WHCADB10ST	10	24	9	M3X10
WHCADB12ST	12	28	11	M4X12
WHCADB14ST	14	30	11	M4X14
WHCADB15ST	15	34	13	M5X16
WHCADB16ST	16	34	13	M5X16
WHCADB20ST	20	40	15	M6X16
WHCADB24ST	24	45	15	M6X16
WHCADB25ST	25	45	15	M6X16
WHCADB30ST	30	54	15	M6X18
WHCADB40ST	40	60	15	M6X18



Imperial Bore Shaft Collars (Steel & Stainless Steel)

DRIVEFLEX

Imperial Bore



CABUIZ/CABUIST

Tolerances (inches)	
Diameter A (0.187" - 0.875")	+ 0.001"/ + 0.003"
Diameter A (1" - 3")	+ 0.001"/ + 0.004"
Diameter B	+ 0.005"/ - 0.000"
Length C	+ 0.005"/ - 0.005"

- Industry standard
- Interchangeable
- Common type
- Anti-corrosion finish

Type CABUIZ in Steel En8 Zinc plated Supplied with setscrew(s)

Stock no.	Bore A (inch)	Dia. B (inch)	Width C (inch)	Setscrew
WHCABUI0.18Z	0.187	0.5	0.25	8-32 UNC
WHCABUI0.25Z	0.25	0.5	0.281	8-32 UNC
WHCABUI0.31Z	0.312	0.625	0.312	10-32 UNF
WHCABUI0.37Z	0.375	0.75	0.375	10-32 UNF
WHCABUI0.43Z	0.437	1	0.437	1/4 BSW or 1/4-20 UNC
WHCABUI0.50Z	0.5	1	0.437	1/4 BSW or 1/4-20 UNC
WHCABUI0.62Z	0.625	1.25	0.562	1/4 BSW or 1/4-20 UNC
WHCABUI0.75Z	0.75	1.375	0.687	5/16 BSW or 5/16-18 UNC
WHCABUI0.87Z	0.875	1.5	0.687	5/16 BSW or 5/16-18 UNC
WHCABUI1.0Z	1	1.625	0.75	5/16 BSW or 5/16-18 UNC
WHCABUI1.12Z	1.125	1.75	0.75	5/16-18 UNC or 3/8-16 UNC
WHCABUI1.25Z	1.25	2	0.875	3/8 BSW or3/8-16 UNC
WHCABUI1.37Z	1.375	2.25	0.875	3/8 BSW or3/8-16 UNC
WHCABUI1.50Z	1.5	2.25	1	3/8 BSW or3/8-16 UNC
WHCABUI1.62Z	1.625	2.5	1	7/16 BSW or1/2-13 UNC
WHCABUI1.75Z	1.75	2.625	1	7/16 BSW or1/2-13 UNC
WHCABUI1.87Z	1.875	3	1	7/16 BSW or1/2-13 UNC
WHCABUI2.0Z	2	3	1.062	1/2 BSW or1/2-13 UNC
WHCABUI2.25Z	2.25	3.25	1.125	1/2 BSW or1/2-13 UNC
WHCABUI2.50Z	2.5	3.5	1.187	1/2 BSW or1/2-13 UNC
WHCABUI2.75Z	2.75	3.75	1.375	5/8 BSW or5/8-11 UNC
WHCABUI3.0Z	3	4.25	1.375	5/8 BSW or5/8-11 UNC

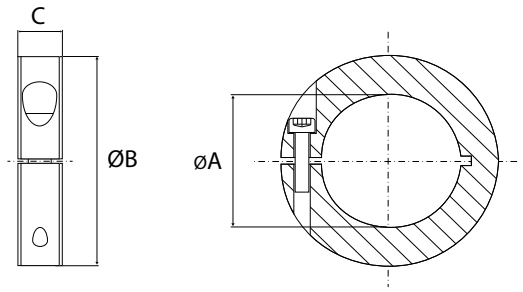
Type CABUIST in Stainless Steel 304 Supplied with setscrew(s)

Stock no.	Bore A (inch)	Dia. B (inch)	Width C (inch)	Setscrew
WHCABUI0.18ST	0.187	0.5	0.25	8-32 UNC
WHCABUI0.25ST	0.25	0.5	0.281	8-32 UNC
WHCABUI0.31ST	0.312	0.625	0.312	10-32 UNF
WHCABUI0.37ST	0.375	0.75	0.375	10-32 UNF
WHCABUI0.43ST	0.437	1	0.437	1/4 BSW or 1/4-20 UNC
WHCABUI0.50ST	0.5	1	0.437	1/4 BSW or 1/4-20 UNC
WHCABUI0.62ST	0.625	1.25	0.562	1/4 BSW or 1/4-20 UNC
WHCABUI0.75ST	0.75	1.375	0.687	5/16 BSW or 5/16-18 UNC
WHCABUI0.87ST	0.875	1.5	0.687	5/16 BSW or 5/16-18 UNC
WHCABUI1.0ST	1	1.625	0.75	5/16 BSW or 5/16-18 UNC
WHCABUI1.12ST	1.125	1.75	0.75	5/16-18 UNC or 3/8-16 UNC
WHCABUI1.25ST	1.25	2	0.875	3/8 BSW or3/8-16 UNC
WHCABUI1.37ST	1.375	2.25	0.875	3/8 BSW or3/8-16 UNC
WHCABUI1.50ST	1.5	2.25	1	3/8 BSW or3/8-16 UNC
WHCABUI1.62ST	1.625	2.5	1	7/16 BSW or1/2-13 UNC
WHCABUI1.75ST	1.75	2.625	1	7/16 BSW or1/2-13 UNC
WHCABUI1.87ST	1.875	3	1	7/16 BSW or1/2-13 UNC
WHCABUI2.0ST	2	3	1.062	1/2 BSW or1/2-13 UNC
WHCABUI2.25ST	2.25	3.25	1.125	1/2 BSW or1/2-13 UNC
WHCABUI2.50ST	2.5	3.5	1.187	1/2 BSW or1/2-13 UNC
WHCABUI2.75ST	2.75	3.75	1.375	5/8 BSW or5/8-11 UNC
WHCABUI3.0ST	3	4.25	1.375	5/8 BSW or5/8-11 UNC

Imperial Bore Single Split Shaft Collars (Steel)

DRIVEFLEX

Imperial Bore



CASBI

Tolerances (inch)	
Diameter A (0.250" - 1.125")	+0.003" / 0
Diameter A (1.250" - 2.750")	+0.005" / 0
Diameter A (3.000" above)	+0.007" / 0
Diameter B	+ 0.008" / - 0.008"
Length C	+ 0.008" / - 0.008"

- Industry standard
- Interchangeable
- Common type
- Anti-corrosion finish

Type CASBI in Steel AISI/SAE 1018 Zinc Plated
Supplied with clamp bolt

Stock no.	Bore A (inch)	Diameter B (inch)	Width C (inch)	Clamp bolts
WHCASBI0.25Z	0.25	0.625	0.281	4-40 UNC
WHCASBI0.37Z	0.375	0.875	0.343	6-32 UNC
WHCASBI0.5Z	0.5	1.125	0.406	8-32 UNC
WHCASBI0.62Z	0.625	1.312	0.437	10-32 UNF
WHCASBI0.75Z	0.75	1.5	0.5	1/4-28 UNF
WHCASBI0.87Z	0.875	1.625	0.5	1/4-28 UNF
WHCASBI1.0Z	1	1.75	0.5	1/4-28 UNF
WHCASBI1.12Z	1.125	1.875	0.5	1/4-28 UNF
WHCASBI1.25Z	1.25	2.062	0.5	1/4-28 UNF
WHCASBI1.37Z	1.375	2.25	0.563	1/4-28 UNF
WHCASBI1.5Z	1.5	2.375	0.563	1/4-28 UNF
WHCASBI1.62Z	1.625	2.625	0.688	5/16-24 UNF
WHCASBI1.75Z	1.75	2.75	0.688	5/16-24 UNF
WHCASBI1.87Z	1.875	2.875	0.688	5/16-24 UNF
WHCASBI2.0Z	2	3	0.688	5/16-24 UNF
WHCASBI2.25Z	2.25	3.25	0.75	5/16-24 UNF
WHCASBI2.5Z	2.5	3.75	0.875	3/8- 24 UNF
WHCASBI2.75Z	2.75	4	0.875	3/8- 24 UNF
WHCASBI3.0Z	3	4.25	0.875	3/8- 24 UNF

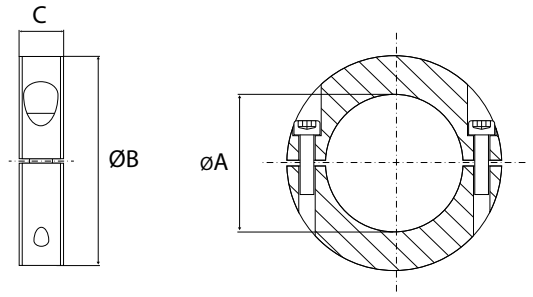


See Renold Gearboxes – Page 815

Imperial Bore Double Split Shaft Collars (Steel)

DRIVEFLEX

Imperial Bore



CADBI

Tolerances (inches)	
Diameter A (0.250" - 1.125")	+0.003" / 0
Diameter A (1.250" - 2.750")	+0.005" / 0
Diameter A (3.000" above)	+0.007" / 0
Diameter B	+ 0.008" / - 0.008"
Length C	+ 0.008" / - 0.008"

- Industry standard
- Interchangeable
- Common type
- Anti-corrosion finish

Type CADBI in Steel AISI/SAE 1018 Zinc Plated
Supplied with clamp bolt

Stock no.	Bore A (inch)	Diameter B (inch)	Width C (inch)	Clamp bolts
WHCADBI0.25Z	0.25	0.625	0.281	4-40 UNC
WHCADBI0.37Z	0.375	0.875	0.343	6-32 UNC
WHCADBI0.5Z	0.5	1.125	0.406	8-32 UNC
WHCADBI0.62Z	0.625	1.312	0.437	10-32 UNF
WHCADBI0.75Z	0.75	1.5	0.5	1/4-28 UNF
WHCADBI0.87Z	0.875	1.625	0.5	1/4-28 UNF
WHCADBI1.0Z	1	1.75	0.5	1/4-28 UNF
WHCADBI1.12Z	1.125	1.875	0.5	1/4-28 UNF
WHCADBI1.25Z	1.25	2.062	0.5	1/4-28 UNF
WHCADBI1.37Z	1.375	2.25	0.563	1/4-28 UNF
WHCADBI1.5Z	1.5	2.375	0.563	1/4-28 UNF
WHCADBI1.62Z	1.625	2.625	0.688	5/16-24 UNF
WHCADBI1.75Z	1.75	2.75	0.688	5/16-24 UNF
WHCADBI1.87Z	1.875	2.875	0.688	5/16-24 UNF
WHCADBI2.0Z	2	3"	0.688	5/16-24 UNF
WHCADBI2.25Z	2.25	3.25	0.75	5/16-24 UNF
WHCADBI2.5Z	2.5	3.75	0.875	3/8- 24 UNF
WHCADBI2.75Z	2.75	4	0.875	3/8- 24 UNF
WHCADBI3.0Z	3	4.25	0.875	3/8- 24 UNF

Volta™
Belting Technology

WHEN YOU DEMAND RELIABILITY
CALL ON A WORLD LEADER



Volta Belting Technology Ltd has been a world leader in the manufacture of Thermoplastic Elastomer (TPE) belting and profiles for over 50 years.

Volta Belting offers the largest range of Thermoplastic Elastomer (TPE) V and Round (VaR) profiles available in the market. High durability and dimensional accuracy makes them indispensable for applications that demand reliability. Available in a range of profiles (reinforced, coated grip belts, custom designed), colours and hardnesses.

Special Round belts include Steel-reinforced belts for canning lines and ESD belts for use in the electronics industry. Grip tops welded to V profiles are available for stop/start lines and packaging machinery. Other specialized VaR profiles suit ceramic glazing lines.

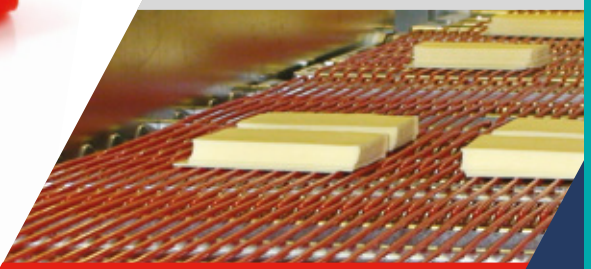
- **Resistant to water, oil and chemicals**
- **Long, reliable life**
- **Dimensional consistency reduces vibrations or product loss**
- **Welded coatings add grip or vary the coefficient of friction**
- **Textured variations of round belts available**
- **Tools available for easy onsite installation**

MANUFACTURED TO FDA STANDARDS

Many VaR products are USDA/FDA/ USDA/3A Dairy and EC certified for food contact. Volta Belting also offers special tools for welding VaR profiles.







For **Volta Belts** see page 179

TransDev®
THE POWER IN MOTION

DRIVEFLEX

Universal Joints

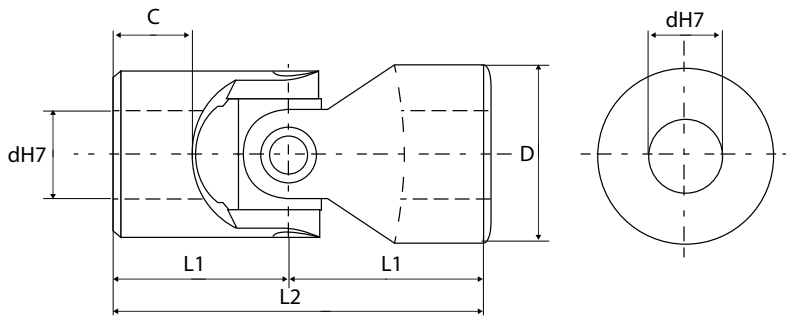


- STANDARD & LONG SERIES
- STEEL & STAINLESS STEEL
- PLAIN OR NEEDLE ROLLER BEARINGS
- SINGLE & DOUBLE JOINTS
- UNBORED VARIANTS
- TO DIN 808

TransDev Universal Joints Standard & Long Series

DRIVEFLEX

Universal Joints





TYPES UJSP & UJSPL

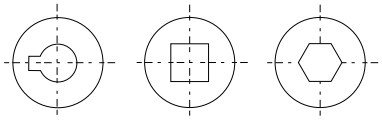
Single joint with plain bearings type UJSP in Steel							
Stock no.	Bore d H7	Diameter D	Overall length L2	Pivot centre L1	Hub length C	Weight (kg)	Gaiter type
UJSP16X6	6	16	34	17	8	0.05	UJG01M16
UJSP16X8	8	16	40	20	11	0.05	UJG01M16
UJSP22X10	10	22	48	24	12	0.1	UJG03M22
UJSP25X12	12	25	56	28	13	0.16	UJG04M25
UJSP28X14	14	28	60	30	14	0.2	UJG05M28
UJSP32X16	16	32	68	34	16	0.3	UJG1M32
UJSP36X18	18	36	74	37	17	0.45	UJG2M36
UJSP42X20	20	42	82	41	18	0.6	UJG3M42
UJSP45X22	22	45	95	47.5	22	0.95	UJG4M45
UJSP50X25	25	50	108	54	26	1.2	UJG5M50
UJSP58X30	30	58	122	61	29	1.85	UJG6M58
UJSP58X32	32	58	130	65	33	2.0	UJG6M58
UJSP70X35	35	70	140	70	35	3.15	Unavailable
UJSP80X40	40	80	160	80	39	4.60	Unavailable
UJSP95X50	50	95	190	95	46	7.60	Unavailable

Single joint with plain bearings - Long Series - type UJSPL in Steel							
UJSPL16X10	10	16	52	26	15	0.05	UJG01M16
UJSPL22X12	12	22	62	31	18	0.12	UJG03M22
UJSPL25X16	16	25	74	37	21	0.2	UJG04M25
UJSPL32X20	20	32	86	43	24	0.35	UJG1M32
UJSPL42X25	25	42	108	54	31	0.80	UJG3M42
UJSPL50X30	30	50	132	66	38	1.20	UJG5M50
UJSPL70X40	40	70	166	83	47	2.90	Unavailable

Maximum working angle	45 degrees
Maximum speed	1000 rpm
Maximum power	6kW
Maximum torque	600 Nm

Higher power and torques are available using larger diameter or needle roller bearing joints: please enquire.

Special Executions on Request
- Minimum order quantity may apply

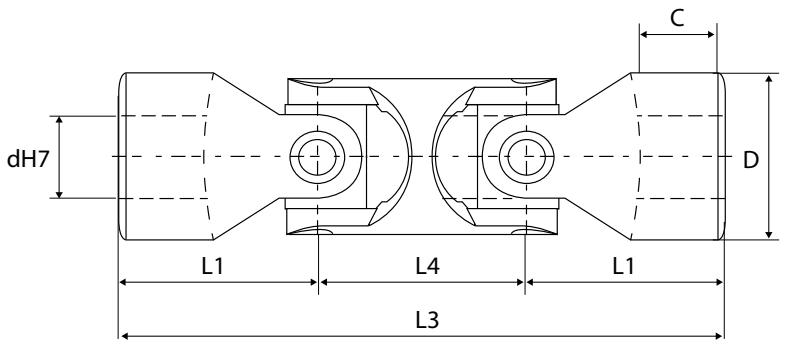


NB : It is recommended that all plain bearing joints should be used with a protective gaiter to assist lubrication and help arrest the ingress of dirt.

TransDev Universal Double Joints Standard Series

DRIVEFLEX

Universal Joints





TYPE UJDP & UJDPL

Double joint with plain bearings type UJDP in Steel								
Stock no.	Bore d H7	Diameter D	Overall length L3	Pivot to face centre L1	Pivot to pivot centre L4	Hub length C	Weight (kg)	Gaiter type
UJDP16X6	6	16	56	17	22	8	0.08	UJG01M16
UJDP16X8	8	16	62	20	22	11	0.08	UJG01M16
UJDP22X10	10	22	74	24	26	12	0.15	UJG03M22
UJDP25X12	12	25	86	28	30	13	0.25	UJG04M25
UJDP28X14	14	28	96	30	36	14	0.4	UJG05M28
UJDP32X16	16	32	104	34	36	16	0.45	UJG1M32
UJDP36X18	18	36	114	37	40	17	0.7	UJG2M36
UJDP42X20	20	42	128	41	46	18	1	UJG3M42
UJDP45X22	22	45	145	47.5	50	22	1.55	UJG4M45
UJDP50X25	25	50	163	54	55	26	2	UJG5M50
UJDP58X30	30	58	190	61	68	29	2.90	UJG6M58
UJDP58X32	32	58	198	65	68	33	3	UJG6M58
UJDP70X35	35	70	212	70	72	35	4.75	Unavailable
UJDP80X40	40	80	245	80	85	39	7.20	Unavailable
UJDP95X50	50	95	290	95	100	46	12	Unavailable

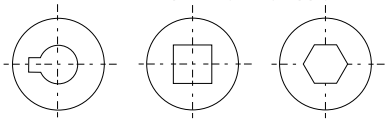
Double joint with plain bearings Long Series type UJDPL in Steel								
UJDPL16X10	10	16	74	26	22	15	0.08	UJG01M16
UJDPL22X12	12	22	88	31	26	18	0.20	UJG03M22
UJDPL25X16	16	25	104	37	30	21	0.30	UJG04M25
UJDPL32X20	20	32	124	43	38	24	0.50	UJG1M32
UJDPL42X25	25	42	156	54	48	31	1.20	UJG3M42
UJDPL50X30	30	50	188	66	56	38	1.70	UJG5M50
UJDPL70X40	40	70	238	83	72	47	4.30	Unavailable

For further sizes please enquire.

Maximum working angle	90 degrees
Maximum speed	1000 rpm
Maximum power	6kW
Maximum torque	600 Nm

Higher power and torques are available using larger diameter or needle roller bearing joints: please enquire.

Special Executions on Request
- Minimum order quantity may apply

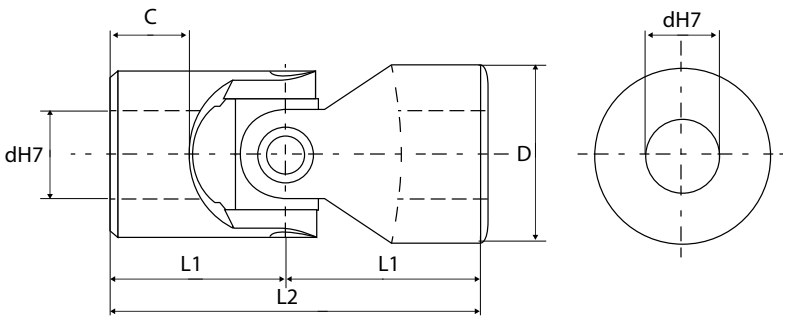


NB : It is recommended that all plain bearing joints should be used with a protective gaiter to assist lubrication and help arrest the ingress of dirt.

TransDev Universal Joints Standard Series (Needle Roller Type)

DRIVEFLEX

Universal Joints



TYPE UJSN



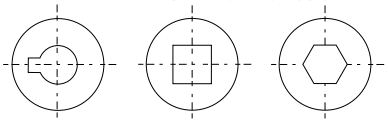
Single joint with needle roller bearings type UJSN in Steel						
Stock no.	Bore d H7	Diameter D	Overall length L2	Pivot centre L1	Hub length C	Weight (kg)
UJSN22X10	10	22	48	24	12	0.1
UJSN25X12	12	25	56	28	13	0.16
UJSN28X14	14	28	60	30	14	0.2
UJSN32X16	16	32	68	34	16	0.3
UJSN36X18	18	36	74	37	17	0.45
UJSN42X20	20	42	82	41	18	0.6
UJSN45X22	22	45	95	47.5	22	0.95
UJSN50X25	25	50	108	54	26	1.2

For further sizes please enquire.

Maximum working angle	45 degrees
Maximum speed	4000 rpm
Maximum power	40kW
Maximum torque	200 Nm

Higher power and torques are available using larger diameter or needle roller bearing joints: please enquire.

Special Executions on Request
- Minimum order quantity may apply

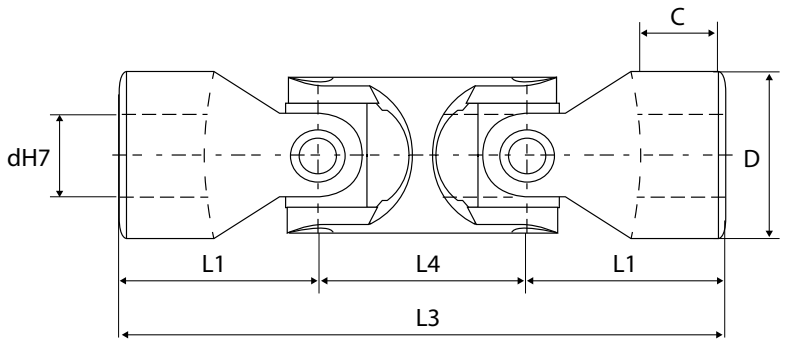


NB : It is recommended that all plain bearing joints should be used with a protective gaiter to assist lubrication and help arrest the ingress of dirt.

TransDev Universal Double Joints Standard Series (Needle Roller Type)

DRIVEFLEX

Universal Joints





TYPE UJDN

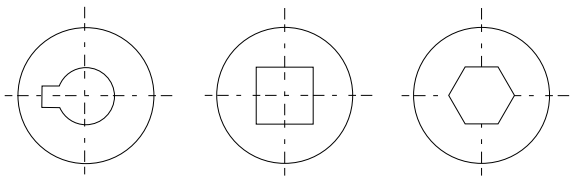
Double joint with needle roller bearings type UJDN in Steel							
Stock no.	Bore d H7	Diameter D	Overall length L3	Pivot to face centre L1	Pivot to pivot centre L4	Hub length C	Weight (kg)
UJDN22X10	10	22	74	24	26	12	0.15
UJDN25X12	12	25	86	28	30	13	0.25
UJDN28X14	14	28	96	30	36	14	0.4
UJDN32X16	16	32	104	34	36	16	0.45
UJDN36X18	18	36	114	37	40	17	0.7
UJDN42X20	20	42	128	41	46	18	1
UJDN45X22	22	45	145	47.5	50	22	1.55
UJDN50X25	25	50	163	54	55	26	2

For further sizes please enquire.

Maximum working angle	90 degrees
Maximum speed	4000 rpm
Maximum power	6kW
Maximum torque	600 Nm

Higher power and torques are available using larger diameter or needle roller bearing joints: please enquire.

Special Executions on Request
- Minimum order quantity may apply

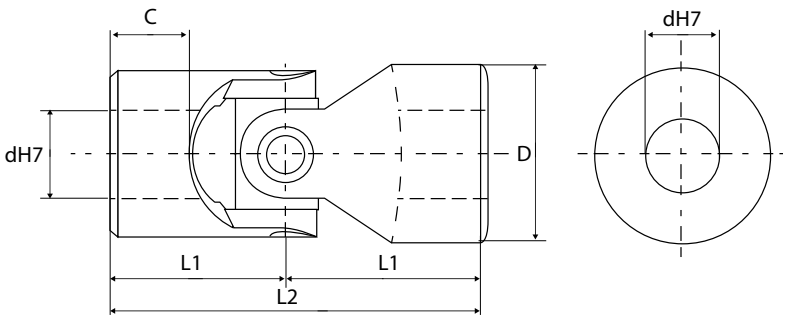


NB : It is recommended that all plain bearing joints should be used with a protective gaiter to assist lubrication and help arrest the ingress of dirt.

TransDev Universal Joints Stainless Series

DRIVEFLEX

Universal Joints





TYPE UJSPST

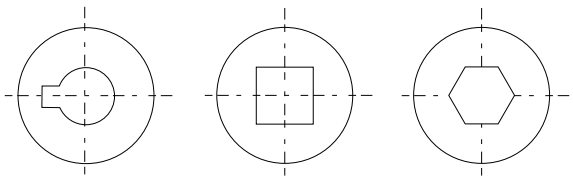
Single joint with plain bearings type UJSPST in Stainless Steel 304							
Stock no.	Bore d H7	Diameter D	Overall length L2	Pivot centre L1	Hub length C	Weight (kg)	Gaiter type
UJSP16X6ST	6	16	34	17	8	0.05	UJG01M16
UJSP16X8ST	8	16	40	20	11	0.05	UJG01M16
UJSP22X10ST	10	22	48	24	12	0.1	UJG03M22
UJSP25X12ST	12	25	56	28	13	0.16	UJG04M25
UJSP28X14ST	14	28	60	30	14	0.2	UJG05M28
UJSP32X16ST	16	32	68	34	16	0.3	UJG1M32
UJSP42X20ST	20	42	82	41	18	0.6	UJG3M42
UJSP50X25ST	25	50	108	54	26	1.2	UJG5M50
UJSP58X30ST	30	58	122	61	29	1.85	UJG6M58

For further sizes please enquire.

Maximum working angle	45 degrees
Maximum speed	1000 rpm
Maximum power	6kW
Maximum torque	600 Nm

Higher power and torques are available using larger diameter or needle roller bearing joints: please enquire.

Special Executions on Request
- Minimum order quantity may apply

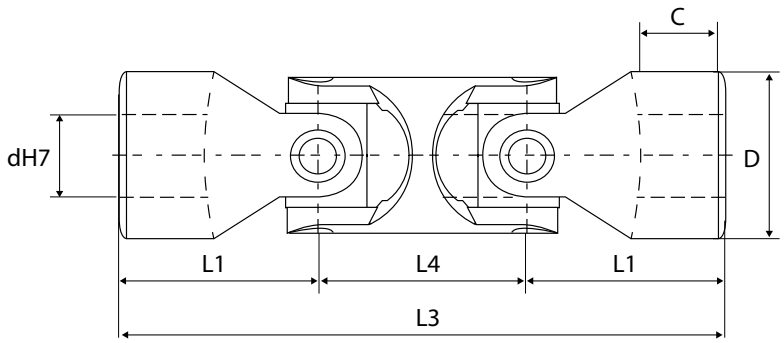


NB : It is recommended that all plain bearing joints should be used with a protective gaiter to assist lubrication and help arrest the ingress of dirt.

TransDev Universal Double Joints Stainless Series

DRIVEFLEX

Universal Joints





TYPE UJDPST

Double joint with plain bearings type UJDPST in Stainless Steel 304								
Stock no.	Bore d H7	Diameter D	Overall length L3	Pivot to face centre L1	Pivot to pivot centre L4	Hub length C	Weight (kg)	Gaiter type
UJDP16X6ST	6	16	56	17	22	8	0.08	UJG01M16
UJDP16X8ST	8	16	62	20	22	11	0.08	UJG01M16
UJDP22X10ST	10	22	74	24	26	12	0.15	UJG03M22
UJDP25X12ST	12	25	86	28	30	13	0.25	UJG04M25
UJDP28X14ST	14	28	96	30	36	14	0.4	UJG05M28
UJDP32X16ST	16	32	104	34	36	16	0.45	UJG1M32
UJDP42X20ST	20	42	128	41	46	18	1	UJG3M42
UJDP50X25ST	25	50	163	54	55	26	2	UJG5M50
UJDP58X30ST	30	58	190	61	68	29	2.9	UJG6M58

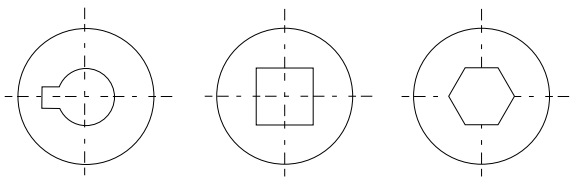
For further sizes please enquire.

Maximum working angle	90 degrees
Maximum speed	1000 rpm
Maximum power	6kW
Maximum torque	600 Nm

Higher power and torques are available using larger diameter or needle roller bearing joints: please enquire.

Special Executions on Request

- Minimum order quantity may apply

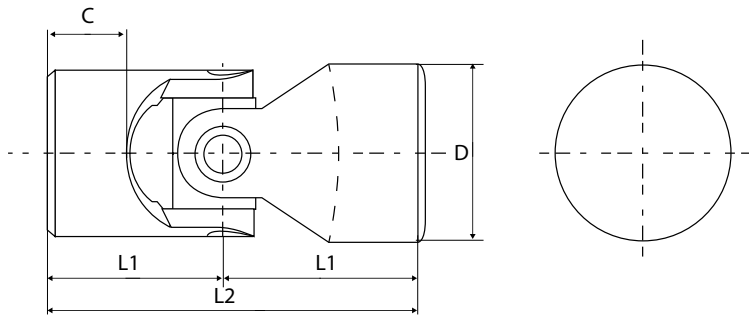


NB : It is recommended that all plain bearing joints should be used with a protective gaiter to assist lubrication and help arrest the ingress of dirt.

TransDev Universal Joints Long Series (Unbored)

DRIVEFLEX

Universal Joints





TYPE UJSPL

Single joint with plain bearings and solid ends, type UJSPL in Steel						
Stock no.	Bore	Diameter D	Overall length L2	Pivot centre L1	Hub length C	Gaiter type
UJSPL16XSOL	SOLID	16	56	28	19	UJG01M16
UJSPL22XSOL	SOLID	22	76	38	26	UJG03M22
UJSPL25XSOL	SOLID	25	86	43	28	UJG04M25
UJSPL28XSOL	SOLID	28	90	45	29	UJG05M28
UJSPL32XSOL	SOLID	32	95	47.5	29.5	UJG1M32
UJSPL36XSOL	SOLID	36	108	54	34	UJG2M36
UJSPL42XSOL	SOLID	42	127	63.5	40.5	UJG3M42
UJSPL45XSOL	SOLID	45	127	63.5	38	UJG4M45
UJSPL50XSOL	SOLID	50	140	70	42	UJG5M50
UJSPL58XSOL	SOLID	58	166	83	51	UJG5M58

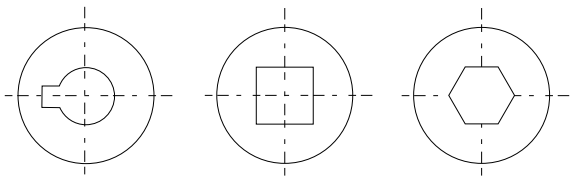
For further sizes please enquire.

Maximum working angle	45 degrees
Maximum speed	1000 rpm
Maximum power	6kW
Maximum torque	600 Nm

Higher power and torques are available using larger diameter or needle roller bearing joints: please enquire.

Special Executions on Request

- Minimum order quantity may apply

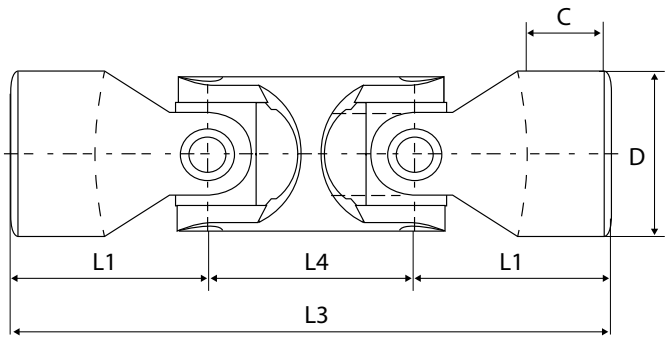


NB : It is recommended that all plain bearing joints should be used with a protective gaiter to assist lubrication and help arrest the ingress of dirt.

TransDev Universal Double Joints Long Series (Unbored)

DRIVEFLEX

Universal Joints





TYPE UJDPL

Double joint with plain bearings UNBORED LONG type UJDPL in Steel							
Stock no.	Bore	Diameter D	Overall length L3	Pivot centre L1	Pivot to pivot centre L4	Hub length C	Gaiter type
UJDPL16XSOL	SOLID	16	67	22.5	22	13.5	UJG01M16
UJDPL22XSOL	SOLID	22	115	44.5	26	32.5	UJG03M22
UJDPL25XSOL	SOLID	25	123	46.5	30	31.5	UJG04M25
UJDPL28XSOL	SOLID	28	130	47	36	31	UJG05M28
UJDPL32XSOL	SOLID	32	143	53	37	35	UJG1M32
UJDPL36XSOL	SOLID	36	155	57.5	40	37.5	UJG2M36
UJDPL42XSOL	SOLID	42	162	57.5	47	34.5	UJG3M42
UJDPL45XSOL	SOLID	45	173	61.5	50	36	UJG4M45
UJDPL50XSOL	SOLID	50	220	82.5	55	54.5	UJG5M50
UJDPL58XSOL	SOLID	58	245	88.5	68	55	UJG5M58

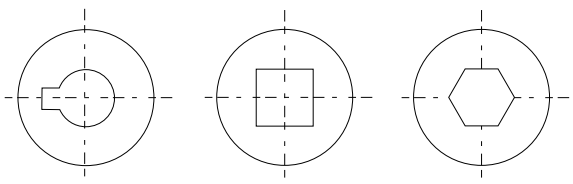
For further sizes please enquire.

Maximum working angle	90 degrees
Maximum speed	1000 rpm
Maximum power	6kW
Maximum torque	600 Nm

Higher power and torques are available using larger diameter or needle roller bearing joints: please enquire.

Special Executions on Request

- Minimum order quantity may apply

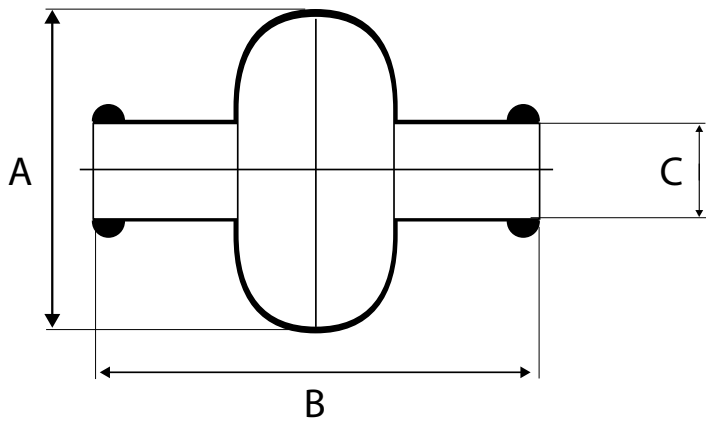


NB : It is recommended that all plain bearing joints should be used with a protective gaiter to assist lubrication and help arrest the ingress of dirt.

TransDev Universal Joint Protective Gaiters

DRIVEFLEX

Universal Joints Protective Gaiters



TYPE UJG



Synthetic Protective Gaiters can be used with Universal Joints to help maintain permanent lubrication for all plain bearing versions and where corrosive environment or excessive ingress of debris could be a problem.

Universal joint protective gaiters type UJG in Polychloroprene rubber

Stock no.	Diameter A	Length B	Bore C	Joint outside diameter
UJG01M16	28	34	15	16
UJG02M18	32	40	16.5	18
UJG03M22	40	45	20.5	22
UJG04M25	48	50	24.5	25
UJG05M28	52	56	27.5	28
UJG1M32	56	65	30.5	32
UJG2M36	66	72	35.5	36
UJG3M42	75	82	40	42
UJG4M45	84	95	45	45
UJG5M50	92	108	50	50
UJG6M58	100	122	56	58

For further sizes please enquire.

DRIVEFLEX

Trapezoidal Screws & Nuts



- STEEL & STAINLESS STEEL SCREWS
- FLANGED, ROUND & HEXAGON NUTS IN VARIOUS MATERIALS
- NON-STANDARD COMPONENTS AVAILABLE
- RIGHT HAND, LEFT HAND OR MULTI-START

Trapezoidal Screws

DRIVEFLEX



The TransDev range of rolled Trapezoidal Screws and nuts are manufactured to a very high standard, yet supplied at very competitive prices. Quality Steels C45 and Stainless 316 are used for the manufacture of the screws.

Nuts can be supplied in Steel and Bronze from stock. Plastic and Stainless Steel nuts can also be supplied. Nuts are supplied in flanged, round and hexagon forms. As well as our standard range of screws and nuts, we can offer fully machined components to customer's specifications and drawings. Right hand and left hand forms can be supplied as well as multi-start forms.

The quality on rolled leadscrews accuracy starts from 0.10 mm per 300 mm length of screw with straightness tolerances starting from 0.20 mm per 300 mm length.

Materials

Steel used for Trapezoidal Screws

- **Screw type KUE**
  C45 - 1.0503 Carbon Steel - Surface hardness after rolling approx. 250 HB
- **Screw type KAF**
  AISI 316 (Inox A4) - 1.4401 Stainless Steel – Surface hardness after rolling approx. 280 HB

Steel used in Nuts

- **Nut types MLF, MZP, MES**
  EN 10277-3 11SMnPb37 – 1.0737 Steel with Sulphur, Manganese and Lead

Bronze used in nuts

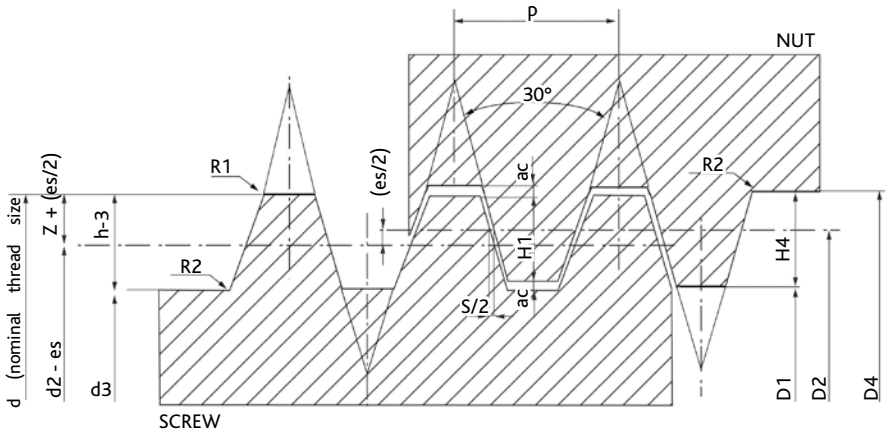
- **Nut Types HSN,FFR**
  EN 1982 CuSn 5Zn 5Pb5-C – CC491K Bronze with Zinc and Lead 60-70 HB
- **Nut types HBD**
  EN 1982 CuSn7Zn4Pb7-C – CC493K Bronze with Zinc and Lead 65-75 HB

C45 and AISI 316 were chosen because, in addition to their natural qualities as good construction materials, after rolling they give a very good surface hardness and finish on the thread sides.

These two features are decisive factors for qualitative appraisal of Trapezoidal Screws, because they give very small friction coefficients; much lower than those obtainable with machined screws, where other conditions such as speed, load and lubrication are equal. Nut life is therefore also increased.

Dimensions

- H1= 0,5 P
- h3= H4 = H1 + ac = 0.5 P + ac
- z = 0,25 P = H1/2
- d3= d – 2 h3
- d2= D2 = d – 2 z = d – 0.5 P
- D2= d + 2 ac
- ac= bottom play
- es= top deviation for screw
- s= 0,26795 es
- R1 max.= 0.5 ac
- R2 max.= ac



Trapezoidal Screws Type KUE – Steel C45 1.0503

DRIVEFLEX

Stock no. for screw RIGHT	Stock no. for screw LEFT	Diameter x lead	Thread starts	Lead accuracy (µm/300 mm)	Straightness (mm/mm)	Weight (kg/mt)
KUE 10 T R ... KUE 10 A R ... KUE 12 A R ...	KUE 10 T L ... KUE 10 A L ... KUE 12 A L ...	Tr 10x2 Tr 10x3 Tr 12x3	1 1 1	100 100 100	0,5 / 300 0,5 / 300 0,5 / 300	0,48 0,42 0,65
KUE 14 R R ... KUE 14 A R ... KUE 16 A R ... KUE 18 A R ...	KUE 14 R L ... KUE 14 A L ... KUE 16 A L ... KUE 18 A L ...	Tr 14x3 Tr 14x4 Tr 16x4 Tr 18x4	1 1 1 1	100 100 100 100	0,5 / 300 0,5 / 300 0,5 / 300 0,5 / 300	0,93 0,86 1,17 1,53
KUE 20 A R ... KUE 22 A R ... KUE 24 A R ...	KUE 20 A L ... KUE 22 A L ... KUE 24 A L ...	Tr 20x4 Tr 22x5 Tr 24x5	1 1 1	100 100 100	0,5 / 300 0,2 / 300 0,2 / 300	1,94 2,29 2,78
KUE 25 R R ... KUE 25 A R ... KUE 26 A R ... KUE 28 A R ...	KUE 25 R L ... KUE 25 A L ... KUE 26 A L ... KUE 28 A L ...	Tr 25x3 Tr 25x5 Tr 26x5 Tr 28x5	1 1 1 1	100 100 100 100	0,2 / 300 0,2 / 300 0,2 / 300 0,2 / 300	3,30 3,05 3,33 3,92
KUE 30 P R ...* KUE 30 A R ... KUE 32 A R ...	KUE 30 P L ...* KUE 30 A L ... KUE 32 A L ...	Tr 30x5 Tr 30x6 Tr 32x6	1 1 1	100 100 100	0,2 / 300 0,2 / 300 0,2 / 300	4,57 4,38 5,06
KUE 35 P R ...* KUE 35 A R ... KUE 35 M R ... KUE 36 A R ...	KUE 35 P L ...* KUE 35 A L ... KUE 35 M L ... KUE 36 A L ...	Tr 35x5 Tr 35x6 Tr 35x8 Tr 36x6	1 1 1 1	100 100 100 100	0,2 / 300 0,2 / 300 0,2 / 300 0,2 / 300	6,40 6,16 5,85 6,56
KUE 40 P R ...* KUE 40 O R ... KUE 40 A R ...	KUE 40 P L ...* KUE 40 O L ... KUE 40 A L ...	Tr 40x5 Tr 40x6 Tr 40x7	1 1 1	100 100 100	0,2 / 300 0,2 / 300 0,2 / 300	8,51 8,26 8,03
KUE 40 M R ... KUE 40 I R ... KUE 44 A R ... KUE 45 A R ...	KUE 40 M L ...* KUE 40 I L ...* KUE 44 A L ... KUE 45 A L ...	Tr 40x8 Tr 40x10 Tr 44x7 Tr 45x8	1 1 1 1	100 100 100 100	0,2 / 300 0,2 / 300 0,2 / 300 0,2 / 300	7,90 7,49 9,90 10,23
KUE 50 P R ...* KUE 50 O R ...* KUE 50 A R ...	KUE 50 P L ...* KUE 50 O L ...* KUE 50 A L ...	Tr 50x5 Tr 50x6 Tr 50x8	1 1 1	100 100 100	0,2 / 300 0,2 / 300 0,2 / 300	13,70 13,35 12,90
KUE 50 I R ... KUE 55 A R ...	KUE 50 I L ...* KUE 55 A L ...*	Tr 50x10 Tr 55x9	1 1	100 100	0,2 / 300 0,2 / 300	12,37 15,51
KUE 60 O R ...* KUE 60 N R ... KUE 60 A R ...	KUE 60 O L ...* KUE 60 N L ... KUE 60 A L ...	Tr 60x6 Tr 60x7 Tr 60x9	1 1 1	100 100 100	0,2 / 300 0,2 / 300 0,2 / 300	19,67 19,36 18,74
KUE 70 A R ... KUE 80 A R ... KUE 90 A R ... KUE 95 W R ...*	KUE 70 A L ... KUE 80 A L ... KUE 90 A L ... KUE 95 W L ...*	Tr 70x10 Tr 80x10 Tr 90x12 Tr 95x16	1 1 1 1	100 100 200 200	0,4 / 300 0,4 / 300 0,5 / 300 1 / 300	25,80 34,39 43,07 45,90
KUE A0 A R ... KUE A0 W R ...* KUE C0 A R ... KUE C0 W R...* KUE E0 A R ...	KUE A0 A L ... KUE A0 W L ...* KUE C0 A L ... KUE C0 W L ...* KUE E0 A L ...	Tr 100x12 Tr 100x16 Tr 120x14 Tr 120x16 Tr 140x14	1 1 1 1 1	200 200 200 200 200	1 / 300 1 / 300 1 / 300 1 / 300 1 / 300	53,99 51,37 77,72 76,34 107,87

*Non stock items - Goods available upon request only Leadscrews supplied in 1-2-3 metre lengths.

24hr Breakdown available Customisable product Product code builder Compatible product

Trapezoidal Screws Type KUE – Steel C45 1.0503

DRIVEFLEX

Stock no. for screw RIGHT	Stock no. for screw LEFT	Diameter x lead	Thread starts	Lead accuracy (µm/300 mm)	Straightness (mm/mm)	Weight (kg/mt)
KUE 10 J R ... KUE 12 B R ...	KUE 10 J L ...* KUE 12 B L ...*	Tr 10x4 (P2) Tr 12x6 (P3)	2 2	100 100	0,5 / 300 0,5 / 300	0,48 0,65
KUE 14 B R ... KUE 16 B R ... KUE 18 B R ...	KUE 14 B L ...* KUE 16 B L ...* KUE 18 B L ...*	Tr 14x6 (P3) Tr 16x8 (P4) Tr 18x8 (P4)	2 2 2	100 100 100	0,5 / 300 0,5 / 300 0,5 / 300	0,93 1,17 1,53
KUE 20 B R ... KUE 20 D R ...*	KUE 20 B L ...* KUE 20 D L ...*	Tr 20x8 (P4) Tr 20x20 (P5)	2 4	100 100	0,4 / 300 0,4 / 300	1,94 1,84

*Non stock items - Goods available upon request only Leadscrews supplied in 1-2-3 metre lengths.

Stock no. for screw RIGHT	Stock no. for screw LEFT	Diameter x lead	Thread starts	Lead accuracy (µm/300 mm)	Straightness (mm/mm)	Weight (kg/mt)
KUE 22 B R ...	KUE 22 B L ...*	Tr 22x10 (P5)	2	100	0,3 / 300	2,29
KUE 24 B R ...	KUE 24 B L ...*	Tr 24x10 (P5)	2	100	0,3 / 300	2,78
KUE 25 B R ...* KUE 25 E R ...	KUE 25 B L ...* KUE 25 E L ...*	Tr 25x10 (P5) Tr 25x25 (P5)	2 5	100 100	0,3 / 300 0,3 / 300	3,05 3,05
KUE 26 B R ... KUE 28 B R ...	KUE 26 B L ...* KUE 28 B L ...*	Tr 26x10 (P5) Tr 28x10 (P5)	2 2	100 100	0,3 / 300 0,3 / 300	3,33 3,92
KUE 30 B R ... KUE 30 F R ...*	KUE 30 B L ...* KUE 30 F L ...*	Tr 30x12 (P6) Tr 30x30 (P5)	2 6	100 100	0,3 / 300 0,3 / 300	4,38 4,57
KUE 32 B R ... KUE 36 B R ...	KUE 32 B L ...* KUE 36 B L ...*	Tr 32x12 (P6) Tr 36x12 (P6)	2 2	100 100	0,3 / 300 0,3 / 300	5,06 6,56
KUE 40 B R ... KUE 40 E R ...	KUE 40 B L ...* KUE 40 E L ...*	Tr 40x14 (P7) Tr 40x40 (P8)	2 5	100 100	0,3 / 300 0,3 / 300	8,03 7,90

*Non stock items - Goods available upon request only Leadscrews supplied in 1-2-3 metre lengths.

- **KUE** Trapezoidal screw type KUE, KAF
- **2 4** Nominal size of screw thread. Numerical value from table
- **A** Identifying letter of actual lead and number of threads.
  (See page for screw type & ordering stock number corresponding to the diameter and lead)
- **R** Right-hand
- **L** Left-hand
- **2000** Screw length, specify in millimetres. 2000 = 2000mm (2 metre) length

Trapezoidal Screws Type – KAF A4 Stainless (AISI 316)

DRIVEFLEX

Stock no. for screw RIGHT	Stock no. for screw LEFT	Diameter x lead	Thread starts	Lead accuracy (µm/300 mm)	Straightness (mm/mm)	Weight (kg/mt)
KAF 10 T R ... KAF 10 A R ... KAF 12 A R ...	KAF 10 T L ... KAF 10 A L ... KAF 12 A L ...	Tr 10x2 Tr 10x3 Tr 12x3	1 1 1	200 200 200	1,5 / 300 1,5 / 300 1,5 / 300	0,48 0,42 0,65
KAF 14 R R ...	KAF 14 R L ... *	Tr 14x3	1	200	1,5 / 300	0,93
KAF 16 A R ... KAF 18 A R ...	KAF 16 A L ... KAF 18 A L ...*	Tr 16x4 Tr 18x4	1 1	200 200	1,5 / 300 1,5 / 300	1,17 1,53
KAF 20 A R ... KAF 22 A R ...	KAF 20 A L ... KAF 22 A L ...	Tr 20x4 Tr 22x5	1 1	200 200	1,5 / 300 1,5 / 300	1,94 2,29
KAF 24 A R ... KAF 25 A R ...*	KAF 24 A L ... KAF 25 A L ...*	Tr 24x5 Tr 25x5	1 1	200 200	1,5 / 300 1,5 / 300	2,78 3,05
KAF 26 A R ... KAF 28 A R ...	KAF 26 A L ...* KAF 28 A L ...*	Tr 26x5 Tr 28x5	1 1	200 200	1,5 / 300 1,5 / 300	3,33 3,92
KAF 30 P R ...* KAF 30 A R ...	KAF 30 P L ...* KAF 30 A L ...	Tr 30x5 Tr 30x6	1 1	200 200	1,5 / 300 1,5 / 300	4,57 4,38
KAF 32 A R ... KAF 35 P R ...*	KAF 32 A L ... KAF 35 P L ...*	Tr 32x6 Tr 35x5	1 1	200 200	1,5 / 300 1,5 / 300	5,06 6,40
KAF 35 A R ...* KAF 36 A R ...	KAF 35 A L ...* KAF 36 A L ...	Tr 35x6 Tr 36x6	1 1	200 200	1,5 / 300 1,5 / 300	6,16 6,56
KAF 40 P R ...* KAF 40 O R ...*	KAF 40 P L ...* KAF 40 O L ...*	Tr 40x5 Tr 40x6	1 1	200 200	1,5 / 300 1,5 / 300	8,51 8,26
KAF 40 A R ... KAF 44 A R ...	KAF 40 A L ... KAF 44 A L ...	Tr 40x7 Tr 44x7	1 1	200 200	1,5 / 300 1,5 / 300	8,03 9,90
KAF 50 P R ...* KAF 50 O R ...*	KAF 50 P L ...* KAF 50 O L ...*	Tr 50x5 Tr 50x6	1 1	200 200	1,5 / 300 1,5 / 300	13,70 13,35
KAF 50 A R ... KAF 55 A R ...	KAF 50 A L ... KAF 55 A L ...	Tr 50x8 Tr 55x9	1 1	200 200	1,5 / 300 1,5 / 300	12,90 15,51
KAF 60 O R ...* KAF 60 N R ...* KAF 60 A R ...	KAF 60 O L ...* KAF 60 N L ...* KAF 60 A L ...	Tr 60x6 Tr 60x7 Tr 60x9	1 1 1	200 200 200	1,5 / 300 1,5 / 300 1,5 / 300	19,67 19,36 18,74
KAF 70 A R ... KAF 80 A R ...	KAF 70 A L ... KAF 80 A L ...	Tr 70x10 Tr 80x10	1 1	200 200	1,5 / 300 1,5 / 300	25,80 34,39
KAF 90 A R ... KAF A0 A R ...*	KAF 90 A L ...* KAF A0 AL ...*	Tr 90x12 Tr 100x12	1 1	200 200	1,5 / 300 1,5 / 300	43,07 53,99

*Non stock items - Goods available upon request only Leadscrews supplied in 1-2-3 metre lengths.

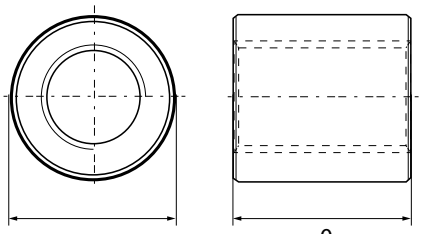
Trapezoidal Nut Type MLF/MZP - Cylindrical Steel

DRIVEFLEX

Type MLF – Cylindrical steel

Nut stock no. RIGHT	Nut stock no. LEFT	Diameter x lead	Thread starts	d (mm)	L (mm)	Wt. (kg/each)	At (mm²) (1)
MLF 12 A R	MLF 12 A L	Tr 12x3	1	36	36	0.255	592
MLF 14 A R	MLF 14 A L	Tr 14x4	1	36	36	0.250	677
MLF 16 A R	MLF 16 A L	Tr 16x4	1	36	36	0.238	792
MLF 16 B R	--	Tr 16x8 (P4)	2	36	36	0.238	792
MLF 18 A R	MLF 18 A L	Tr 18x4	1	36	36	0.224	905
MLF 20 A R	MLF 20 A L	Tr 20x4	1	40	40	0.306	1130
MLF 20 B R	--	Tr 20x8 (P4)	2	40	40	0.306	1130
MLF 22 A R	MLF 22 A L	Tr 22x5	1	40	40	0.290	1225
MLF 25 A R	MLF 25 A L	Tr 25x5	1	45	45	0.40	1590
MLF 25 B R	--	Tr 25x10 (P5) Tr	2	45	45	0.40	1590
MLF 28 A R	MLF 28 A L	28x5	1	45	45	0.36	1800
MLF 28 B R	--	Tr 28x10 (P5)	2	45	45	0.36	1800
MLF 30 A R	MLF 30 A L	Tr 30x6	1	50	50	0.52	2120
MLF 30 B R	--	Tr 30x12 (P6) Tr	2	50	50	0.52	2120
MLF 35 A R	MLF 35 A L	35x6	1	55	55	0.65	2764
MLF 40 A R	MLF 40 A L	Tr 40x7	1	60	60	0.79	3440
MLF 40 B R	--	Tr 40x14 (P7)	2	60	60	0.79	3440
MLF 45 A R	MLF 45 A L	Tr 45x8	1	65	65	0.95	4186
MLF 50 A R	MLF 50 A L	Tr 50x8	1	70	70	1.12	5057
MLF 55 A R	--	Tr 55x9	1	80	80	1.78	6345
MLF 60 A R	MLF 60 A L	Tr 60x9	1	80	80	1.51	6975

Chamfer 1x45°

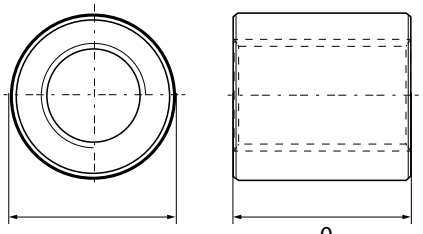


- Material: EN 10277-3 11 S Mn Pb 37 – 1.0737
- Nut for fastening or manual movement with small load; Steel-to-Steel coupling tends to seize. Can be MIG welded only.
- Electrode welding is not recommended because of the lead.

Type MZP – Cylindrical steel

MZP 10 T R	MZP 10 T L	Tr 10x2	1	22	15	0.038	150
MZP 10 A R	MZP 10 A L	Tr 10x3	1	22	15	0.037	240
MZP 12 A R	MZP 12 A L	Tr 12x3	1	26	18	0.061	296
MZP 12 B R	--	Tr 12x6 (P3)	2	26	18	0.061	296
MZP 14 R R	MZP 14 R L	Tr 14x3	1	30	21	0.095	395
MZP 14 A R	MZP 14 A L	Tr 14x4	1	30	21	0.095	395
MZP 16 A R	MZP 16 A L	Tr 16x4	1	36	24	0.158	528
MZP 18 A R	MZP 18 A L	Tr 18x4	1	40	27	0.218	553
MZP 20 A R	MZP 20 A L	Tr 20x4	1	45	30	0.308	847
MZP 22 A R	MZP 22 A L	Tr 22x5	1	45	33	0.324	1010
MZP 24 A R	MZP 24 A L	Tr 24x5	1	50	36	0.440	1215
MZP 26 A R	MZP 26 A L	Tr 26x5	1	50	39	0.454	1440
MZP 28 A R	MZP 28 A L	Tr 28x5	1	60	42	0.747	1680
MZP 30 A R	MZP 30 A L	Tr 30x6	1	60	45	0.773	1908
MZP 32 A R	MZP 32 A L	Tr 32x6	1	60	48	0.790	2186
MZP 36 A R	MZP 36 A L	Tr 36x6	1	75	54	1.476	2800
MZP 40 A R	MZP 40 A L	Tr 40x7	1	80	60	1.826	3440
MZP 44 A R	MZP 44 A L	Tr 44x7	1	80	66	1.878	4200
MZP 50 A R	MZP 50 A L	Tr 50x8	1	90	75	2.680	5418
MZP 60 A R	MZP 60 A L	Tr 60x9	1	100	90	3.698	7847
MZP 70 A R	MZP 70 A L	Tr 70x10	1	110	105	4.884	10200
MZP 80 A R	MZP 80 A L	Tr 80x10	1	120	120	6.210	14137

Chamfer 1x45°



- Material: EN 10277-3 11 S Mn Pb 37 – 1.0737
- Nut for fastening or manual movement with small load; Steel-to-Steel coupling tends to seize. Can be MIG welded only.
- Electrode welding is not recommended because of the lead.

(1) = Total bearing surface between screw & nut teeth on plane perpendicular to axis.

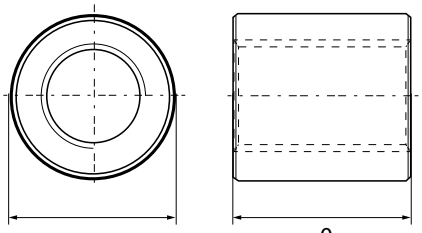
Trapezoidal Nut Type HSN/HBD - Cylindrical Bronze

DRIVEFLEX

Trapezoidal Nut Type HSN – Cylindrical bronze

Nut stock no. RIGHT	Nut stock no. LEFT	Diameter x lead	Thread starts	d (mm)	L (mm)	Wt. (kg/each)	At (mm^2) (1)
HSN 12 A R	HSN 12 A L	Tr 12x3	1	36	36	0.302	594
HSN 14 A R	HSN 14 A L	Tr 14x4	1	36	36	0.290	677
HSN 16 A R	HSN 16 A L	Tr 16x4	1	36	36	0.276	792
HSN 16 B R	--	Tr 16x8 (P4)	2	36	36	0.276	792
HSN 18 A R	HSN 18 A L	Tr 18x4	1	36	36	0.259	905
HSN 20 A R	HSN 20 A L	Tr 20x4	1	40	40	0.354	1130
HSN 20 B R	--	Tr 20x8 (P4)	2	40	40	0.354	1130
HSN 22 A R	HSN 22 A L	Tr 22x5	1	40	40	0.33	1225
HSN 25 A R	HSN 25 A L	Tr 25x5	1	45	45	0.47	1590
HSN 25 B R	--	Tr 25x10 (P5)	2	45	45	0.47	1590
HSN 28 A R	HSN 28 A L	Tr 28x5	1	45	45	0.42	1800
HSN 28 B R	--	Tr 28x10 (P5)	2	45	45	0.42	1800
HSN 30 A R	HSN 30 A L	Tr 30x6	1	50	50	0.60	2120
HSN 30 B R	--	Tr 30x12 (P6)	2	50	50	0.60	2120
HSN 35 A R	HSN 35 A L	Tr 35x6	1	55	55	0.75	2764
HSN 40 A R	HSN 40 A L	Tr 40x7	1	60	60	0.92	3440
HSN 40 B R	--	Tr 40x14 (P7)	2	60	60	0.92	3440
HSN 45 A R	HSN 45 A L	Tr 45x8	1	65	65	1.10	4186
HSN 50 A R	HSN 50 A L	Tr 50x8	1	70	70	1.30	5057
HSN 55 A R	--	Tr 55x9	1	80	80	2.07	6345
HSN 60 A R	HSN 60 A L	Tr 60x9	1	80	80	1.75	6975

Chamfer 1x45°

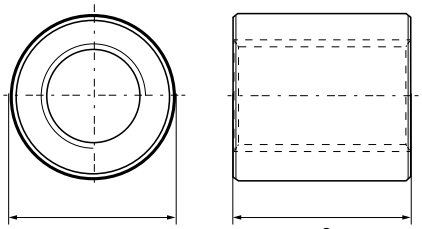


- Material: EN 1982 Cu Sn5 Zn5 Pb5-C – CC491K
- Cylindrical Bronze nut for movement with modest loads compared with FFR
- Good lubrication is recommended.

Trapezoidal Nut Type HBD – Cylindrical bronze

HBD 10 T R	HBD 10 T L	Tr 10x2	1	22	20	0.058	200
HBD 10 A R	HBD 10 A L	Tr 10x3	1	22	20	0.057	320
HBD 12 A R	HBD 12 A L	Tr 12x3	1	26	24	0.094	396
HBD 12 B R	--	Tr 12x6 (P3)	2	26	24	0.094	396
HBD 14 R R	HBD 14 R L	Tr 14x3	1	30	28	0.146	526
HBD 14 A R	HBD 14 A L	Tr 14x4	1	30	28	0.146	526
HBD 16 A R	HBD 16 A L	Tr 16x4	1	36	32	0.245	704
HBD 18 A R	HBD 18 A L	Tr 18x4	1	40	36	0.337	905
HBD 20 A R	HBD 20 A L	Tr 20x4	1	45	40	0.476	1130
HBD 22 A R	HBD 22 A L	Tr 22x5	1	45	40	0.456	1225
HBD 24 A R	HBD 24 A L	Tr 24x5	1	50	48	0.680	1620
HBD 26 A R	HBD 26 A L	Tr 26x5	1	50	48	0.648	1770
HBD 28 A R	HBD 28 A L	Tr 28x5	1	60	60	1.237	2400
HBD 30 A R	HBD 30 A L	Tr 30x6	1	60	60	1.195	2544
HBD 32 A R	HBD 32 A L	Tr 32x6	1	60	60	1.145	2733
HBD 36 A R	HBD 36 A L	Tr 36x6	1	75	72	2.232	3732
HBD 40 A R	HBD 40 A L	Tr 40x7	1	80	80	2.823	4587
HBD 44 A R	HBD 44 A L	Tr 44x7	1	80	80	2.639	5090
HBD 50 A R	HBD 50 A L	Tr 50x8	1	90	100	4.142	7224
HBD 60 A R	HBD 60 A L	Tr 60x9	1	100	120	5.716	10462
HBD 70 A R	HBD 70 A L	Tr 70x10	1	110	140	7.548	10200
HBD 80 A R	HBD 80 A L	Tr 80x10	1	120	160	9.60	18850

Chamfer 1x45°



- Material: EN 1982 Cu Sn7 Zn4 Pb7-C – CC493K
- Cylindrical Bronze nut for movement with modest loads compared with FFR.
- Good lubrication is recommended.

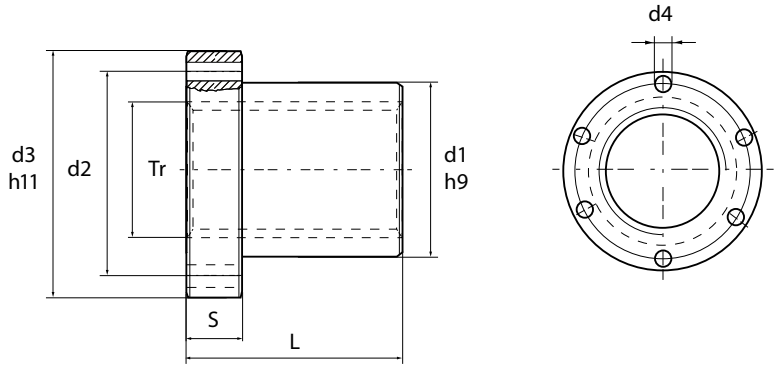
(1) = Total bearing surface between screw & nut teeth on plane perpendicular to axis.

Trapezoidal Nut Type FFR – Flanged Bronze

DRIVEFLEX

Flanged Bronze

Chamfer 1x45°



TYPE FFR

- Material: EN 1982 Cu Sn5 Zn5 Pb5-C – CC491K
- Flanged Bronze nut for continuous movement with good wear resistance.
- Good lubrication is recommended.

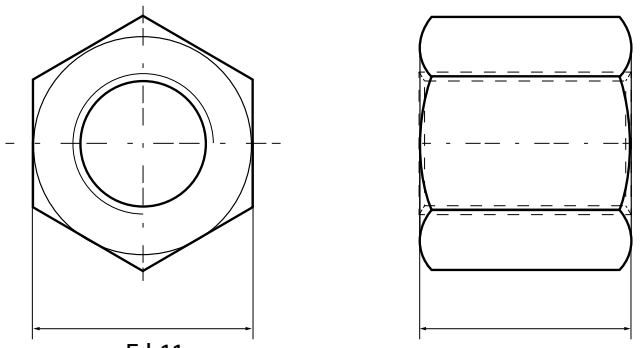
Nut stock no. RIGHT	Nut stock no. LEFT	Diameter x lead	Thread starts	d1 (mm)	d2 (mm)	d3 (mm)	d4 (mm)	L (mm)	S (mm)	No. screw holes	Mounting screws (class 8.8)	Wt. (kg/each)	At (mm²) (1)
FFR 10 T R	FFR 10 T L	Tr 10x2	1	25	34	42	5	25	10	6	M4	0,164	250
FFR 10 J R	--	Tr 10x4 (P2)	2	25	34	42	5	25	10	6	M4	0,164	250
FFR 12 A R	FFR 12 A L	Tr 12x3	1	28	38	48	6	35	12	6	M5	0,276	400
FFR 12 B R	--	Tr 12x6 (P3)	2	28	38	48	6	35	12	6	M5	0,276	400
FFR 14 R R	FFR 14 R L	Tr 14x3	1	28	38	48	6	35	12	6	M5	0,272	460
FFR 14 B R	--	Tr 14x6 (P3)	2	28	38	48	6	35	12	6	M5	0,272	460
FFR 16 A R	FFR 16 A L	Tr 16x4	1	28	38	48	6	35	12	6	M5	0,260	530
FFR 16 B R	--	Tr 16x8 (P4)	2	28	38	48	6	35	12	6	M5	0,260	530
FFR 18 A R	FFR 18 A L	Tr 18x4	1	28	38	48	6	35	12	6	M5	0,247	610
FFR 18 B R	--	Tr 18x8 (P4)	2	28	38	48	6	35	12	6	M5	0,247	610
FFR 20 A R	FFR 20 A L	Tr 20x4	1	32	45	55	6,5	44	12	6	M6	0,370	870
FFR 20 B R	--	Tr 20x8 (P4)	2	32	45	55	6,5	44	12	6	M6	0,370	870
FFR 22 A R	FFR 22 A L	Tr 22x5	1	32	45	55	6,5	44	12	6	M6	0,360	1030
FFR 22 B R	--	Tr 22x10 (P5)	2	32	45	55	6,5	44	12	6	M6	0,360	1030
FFR 24 A R	FFR 24 A L	Tr 24x5	1	32	45	55	6,5	44	12	6	M6	0,337	1040
FFR 24 B R	--	Tr 24x10 (P5)	2	32	45	55	6,5	44	12	6	M6	0,337	1040
FFR 26 A R	FFR 26 A L	Tr 26x5	1	38	50	62	6,5	46	14	6	M6	0,516	1280
FFR 28 A R	FFR 28 A L	Tr 28x5	1	38	50	62	6,5	46	14	6	M6	0,472	1200
FFR 28 B R	--	Tr 28x10 (P5)	2	38	50	62	6,5	46	14	6	M6	0,472	1200
FFR 30 A R	FFR 30 A L	Tr 30x6	1	38	50	62	6,5	46	14	6	M6	0,421	1370
FFR 30 B R	--	Tr 30x12 (P6)	2	38	50	62	6,5	46	14	6	M6	0,421	1370
FFR 32 A R	FFR 32 A L	Tr 32x6	1	45	58	70	6,5	54	16	6	M6	0,779	1710
FFR 32 B R	--	Tr 32x12 (P6)	2	45	58	70	6,5	54	16	6	M6	0,779	1710
FFR 36 A R	FFR 36 A L	Tr 36x6	1	45	58	70	6,5	54	16	6	M6	0,694	1950
FFR 36 B R	--	Tr 36x12 (P6)	2	45	58	70	6,5	54	16	6	M6	0,694	1950
FFR 40 A R	FFR 40 A L	Tr 40x7	1	63	78	95	8,5	66	16	6	M8	1,788	2650
FFR 40 B R	--	Tr 40x14 (P7)	2	63	78	95	8,5	66	16	6	M8	1,788	2650
FFR 44 A R	FFR 44 A L	Tr 44x7	1	63	78	95	8,5	66	16	6	M8	1,657	2940
FFR 50 A R	FFR 50 A L	Tr 50x8	1	72	90	110	10,5	75	18	6	M10	2,500	4540
FFR 60 A R	FFR 60 A L	Tr 60x9	1	88	110	130	12,5	90	20	6	M12	4,260	5490
FFR 70 A R	FFR 70 A L	Tr 70x10	1	95	120	140	12,5	105	22	6	M12	5,303	7500

(1) = Total bearing surface between screw & nut teeth on plane perpendicular to axis

Trapezoidal Nut Type MES – Hexagonal Steel

DRIVEFLEX

Hexagonal in steel



TYPE MES

- Material: EN 10277-3 11SMnPb37 – 1.0737
- Fixing nut is very convenient thanks to its hexagonal shape. Not suitable for operations with high loads, because the coupling Steel-Steel tends to seize.
- These nuts can be MIG welded only.
- Electrode welding is not recommended because of the lead.

Nut stock no. RIGHT	Nut stock no. LEFT	Diameter x lead	Thread starts	E (mm)	L (mm)	Wt. (kg/each)	At (mm^2) (1)
MES 10 T R MES 10 A R	MES 10 T L MES 10 A L	Tr 10x2 Tr 10x3	1 1	17 17	15 15	0.023 0.021	150 240
MES 12 A R MES 14 R R	MES 12 A L MES 14 R L	Tr 12x3 Tr 14x3	1 1	19 22	18 21	0.027 0.044	296 395
MES 14 A R MES 16 A R	MES 14 A L MES 16 A L	Tr 14x4 Tr 16x4	1 1	22 27	21 24	0.044 0.082	395 528
MES 18 A R MES 20 A R	MES 18 A L MES 20 A L	Tr 18x4 Tr 20x4	1 1	27 30	27 30	0.084 0.114	553 847
MES 22 A R MES 24 A R	MES 22 A L MES 24 A L	Tr 22x5 Tr 24x5	1 1	30 36	33 36	0.112 0.200	1010 1215
MES 26 A R MES 28 A R	MES 26 A L MES 28 A L	Tr 26x5 Tr 28x5	1 1	36 41	39 42	0.193 0.291	1440 1680
MES 30 A R MES 32 A R	MES 30 A L MES 32 A L	Tr 30x6 Tr 32x6	1 1	46 46	45 48	0.420 0.411	1908 2186
MES 36 A R MES 40 A R MES 44 A R	MES 36 A L MES 40 A L MES 44 A L	Tr 36x6 Tr 40x7 Tr 44x7	1 1 1	55 65 65	54 60 66	0.706 1.172 1.159	2800 3440 4200
MES 50 A R MES 60 A R MES 70 A R	MES 50 A L MES 60 A L MES 70 A L	Tr 50x8 Tr 60x9 Tr70x10	1 1 1	75 90 90	75 90 105	1.783 3.087 2.837	5418 7847 10200

(1) = Total bearing surface between screw & nut teeth on plane perpendicular to axis

General Choice Criteria

DRIVEFLEX

The choice between different types of screws and nuts available is generally carried out in light of the following considerations:

Positioning accuracy

For positioning Screws it is necessary to control the error of the thread pitch. We provide custom Screws with an accuracy class of 50 (50µm/300mm), 100 (100µm/300mm) and Screws with a class of 200 (200µm/300mm) in C45. For standard carriage Lead Screws class 200 ones can be used.

Irreversibility

Complete irreversibility occurs with Trapezoidal Screw with helix angle < 2° 30'. In all other cases, torque may be transmitted to the drive gear when the screw is still, subject to a load on the nut (especially under vibration). However, good irreversibility is present up to 5 or 6 degrees.

Choice of the Nut

Working environment
Materials used for the production of Nuts, (Bronze and Stainless Steel 316), are resistant to standard oxidizing agents, that occur in various applications. If corrosive agents are present please contact our Technical Department directly. In applications where the presence of added lubricant (grease or oil) is not allowed we recommend the use of self lubricating Plastic Nuts.

The use of Plastics is constrained by the actual working conditions.

This is because Plastics sometimes have excellent self-lubrication features, but have at the same time, restrictions on working temperature or moisture absorption problems. They may also have some mechanical properties that may not be suitable for the intended use.

A preliminary study of the application, is therefore recommended. Please contact our Technical Department.

Choice of the screw

Working environment
For working environments where there are no particular corrosive or oxidizing agents C45 Screws can be used. Where these conditions are not met, we recommend using Stainless Steel screws A4 (316), which are particularly suitable in the following cases.

- With relative humidity of 70/80% and above
- Immersed in water, even in sea water
- In the presence of particular corrosive agents, such as Chlorides. In case of highly corrosive agents please contact our Technical Department
- Where, due to special construction requirements, components must not oxidise; for example in the food industry, where they are coupled with Nuts HDA
- Where Screws cannot be reached for lubrication; In particular, for lubricating "maintenance-free" fittings that are coupled with Plastic Nuts
- Where working temperature is relatively high, because the Stainless Steels A4 feature a relatively high slag temperature, due to the austentitic structure of the material



Trapezoidal Screw Specifications

DRIVEFLEX

TransDev Trapezoidal Lead Screws are available in 1, 2 and 3 Metre lengths.

Diameter x lead	d 1 Major dia. tolerance 4 h		d 2 Effective or pitch dia. tolerance 7 e		d 3 Minor dia. tolerance 7 h		Thread starts	Lead angle	(1) Efficiency		(2) H 1 (mm)	I Moment of inertia (mm^4)
	min.	max.	min.	max.	min.	max.			f=0.1.	f=0.2		
	(mm)		(mm)		(mm)							
Tr 10 x 2	9.820	10.000	8.739	8.929	7.191	7.500	1	4°02′	0.41	0.26	1.0	131
Tr 10 x 3	9.764	10.000	8.203	8.415	6.150	6.500	1	6°25′	0.52	0.35	1.5	70
Tr 10 x 4 (P2)	9.820	10.000	8.739	8.929	7.191	7.500	2	8°03′	0.58	0.40	1.0	131
Tr 12 x 3	11.764	12.000	10.191	10.415	8.135	8.500	1	5°12′	0.47	0.31	1.5	215
Tr 12 x 6 (P3)	11.764	12.000	10.191	10.415	8.135	8.500	2	10°19′	0.63	0.46	1.5	215
Tr 14 x 3	13.764	14.000	12.191	12.415	10.135	10.500	1	4°22′	0.43	0.27	1.5	518
Tr 14 x 4	13.700	14.000	11.640	11.905	9.074	9.500	1	6°03′	0.51	0.34	2.0	333
Tr 14 x 6 (P3)	13.764	14.000	12.191	12.415	10.135	10.500	2	8°41′	0.59	0.42	1.5	518
Tr 16 x 4	15.700	16.000	13.640	13.905	11.074	11.500	1	5°12′	0.47	0.31	2.0	738
Tr 16 x 8 (P4)	15.700	16.000	13.640	13.905	11.074	11.500	2	10°19′	0.63	0.46	2.0	738
Tr 18 x 4	17.700	18.000	15.640	15.905	13.074	13.500	1	4°33′	0.44	0.28	2.0	1434
Tr 18 x 8 (P4)	17.700	18.000	15.640	15.905	13.074	13.500	2	9°02′	0.60	0.43	2.0	1434
Tr 20 x 4	19.700	20.000	17.640	17.905	15.074	15.500	1	4°03′	0.41	0.26	2.0	2534
Tr 20 x 8 (P4)	19.700	20.000	17.640	17.905	15.074	15.500	2	8°03′	0.58	0.40	2.0	2534
Tr 20 x 20 (P5)	19.665	20.000	17.114	17.394	14.044	14.500	4	20°00′	0.76	0.60	2.5	1910
Tr 22 x 5	21.665	22.000	19.114	19.394	16.044	16.500	1	4°40′	0.45	0.28	2.5	3232
Tr 22 x 10 (P5)	21.665	22.000	19.114	19.394	16.044	16.500	2	9°16′	0.61	0.43	2.5	3232
Tr 24 x 5	23.665	24.000	21.094	21.394	18.019	18.500	1	4°14′	0.42	0.27	2.5	5175
Tr 24 x 10 (P5)	23.665	24.000	21.094	21.394	18.019	18.500	2	8°25′	0.59	0.41	2.5	5175
Tr 25 x 3	24.764	25.000	23.165	23.415	21.103	21.500	1	2°20′	0.29	0.17	1.5	9735
Tr 25 x 5	24.665	25.000	22.094	22.394	19.019	19.500	1	4°03′	0.41	0.26	2.5	6423
Tr 25 x 10 (P5)	24.665	25.000	22.094	22.394	19.019	19.500	2	8°03′	0.58	0.40	2.5	6423
Tr 25 x 25 (P5)	24.665	25.000	22.094	22.394	19.019	19.500	5	19°30′	0.75	0.60	2.5	6423
Tr 26 x 5	25.665	26.000	23.094	23.394	20.019	20.500	1	3°52′	0.40	0.25	2.5	7884
Tr 26 x 10 (P5)	25.665	26.000	23.094	23.394	20.019	20.500	2	7°42′	0.57	0.39	2.5	7884
Tr 28 x 5	27.665	28.000	25.094	25.394	22.019	22.500	1	3°34′	0.38	0.23	2.5	11539
Tr 28 x 10 (P5)	27.665	28.000	25.094	25.394	22.019	22.500	2	7°07′	0.55	0.37	2.5	11539
Tr 30 x 3	29.764	30.000	28.165	28.415	26.103	26.500	1	1°55′	0.25	0.14	1.5	22900
Tr 30 x 4	29.700	30.000	27.640	27.905	25.074	25.500	1	2°36′	0.31	0.18	2.0	19400
Tr 30 x 5	29.665	30.000	27.094	27.394	24.019	24.500	1	3°19′	0.36	0.22	2.5	16340
Tr 30 x 6	29.625	30.000	26.547	26.882	22.463	23.000	1	4°03′	0.41	0.26	3.0	13650
Tr 30 x 12 (P6)	29.625	30.000	26.547	26.882	22.463	23.000	2	8°03′	0.58	0.40	3.0	13650
Tr 30 x 30 (P5)	29.665	30.000	27.094	27.394	24.019	24.500	6	19°09′	0.75	0.59	2.5	16340
Tr 32 x 6	31.625	32.000	28.547	28.882	24.463	25.000	1	3°46′	0.39	0.24	3.0	17580
Tr 32 x 12 (P6)	31.625	32.000	28.547	28.882	24.463	25.000	2	7°30′	0.56	0.38	3.0	17580
Tr 35 x 3	34.764	35.000	33.165	33.415	31.103	31.500	1	1°38′	0.22	0.12	1.5	46128
Tr 35 x 4	34.700	35.000	32.640	32.905	30.074	30.500	1	2°13′	0.28	0.16	2.0	40150
Tr 35 x 5	34.665	35.000	32.094	32.394	29.019	29.500	1	2°48′	0.33	0.19	2.5	34810
Tr 35 x 6	34.625	35.000	31.547	31.882	27.463	28.000	1	3°25′	0.37	0.23	3.0	30000
Tr 35 x 8	34.550	35.000	30.493	30.868	25.399	26.000	1	4°42′	0.45	0.29	4.0	21980
Tr 36 x 6	35.625	36.000	32.547	32.882	28.463	29.000	1	3°19′	0.36	0.22	3.0	34540
Tr 36 x 12 (P6)	35.625	36.000	32.547	32.882	28.463	29.000	2	6°36′	0.53	0.36	3.0	34540

(1) Useful effect for conversion of rotary movement to linear movement with friction coefficient f =0.1 and f =0.2.
(2) Radial support dimension between screw and nut teeth.

Trapezoidal Screw Specifications

DRIVEFLEX

Diameter x lead	d 1 Major dia. tolerance 4 h		d 2 Effective or pitch dia. tolerance 7 e		d 3 Minor dia. tolerance 7 h		Thread starts	Lead angle	(1) Efficiency		(2) H 1 (mm)	I Moment of inertia (mm 4)
	min.	max.	min.	max.	min.	max			ƒ=0.1	ƒ=0.2		
	(mm)		(mm)		(mm)							
Tr 40 x 3	39.764	40.000	38.165	38.415	36.103	36.500	1	1°25′	0.20	0.11	1.5	83395
Tr 40 x 4	39.700	40.000	37.640	37.905	35.074	35.500	1	1°55′	0.25	0.14	2.0	74290
Tr 40 x 5	39.665	40.000	37.094	37.394	34.019	34.500	1	2°26′	0.30	0.17	2.5	65740
Tr 40 x 6	39.625	40.000	36.547	36.882	32.463	33.000	1	2°57′	0.34	0.20	3.0	57950
Tr 40 x 7	39.575	40.000	36.020	36.375	31.431	32.000	1	3°30′	0.38	0.23	3.5	51030
Tr 40 x 8	39.550	40.000	35.493	35.868	30.399	31.000	1	4°03′	0.41	0.26	4.0	44560
Tr 40 x10	39.470	40.000	34.450	34.850	28.350	29.000	1	5°12′	0.47	0.31	5.0	31700
Tr 40 x 14 (P7)	39.575	40.000	36.020	36.375	31.431	32.000	2	6°58′	0.54	0.37	3.5	51030
Tr 40 x 40 (P8)	39.550	40.000	35.493	35.868	30.399	31.000	5	19°30′	0.75	0.60	4.0	44560
Tr 44 x 7	43.575	44.000	40.020	40.375	35.431	36.000	1	3°09′	0.35	0.21	3.5	81820
Tr 45 x 8	44.550	45.000	40.493	40.868	35.399	36.000	1	3°33′	0.38	0.23	4.0	81245
Tr 50 x 3	49.764	50.000	48.150	48.415	46.084	46.500	1	1°08′	0.16	0.09	1.5	121400
Tr 50 x 4	49.700	50.000	47.605	47.905	45.074	45.500	1	1°31′	0.21	0.12	2.0	202600
Tr 50 x 5	49.665	50.000	47.094	47.394	44.019	44.500	1	1°55′	0.25	0.14	2.5	184300
Tr 50 x 6	49.625	50.000	46.547	46.882	42.463	43.000	1	2°20′	0.29	0.17	3.0	167240
Tr 50 x 8	49.550	50.000	45.468	45.868	40.368	41.000	1	3°10′	0.35	0.21	4.0	136930
Tr 50 x10	49.470	50.000	44.425	44.850	38.319	39.000	1	4°03′	0.41	0.26	5.0	105834
Tr 55 x 9	54.500	55.000	49.935	50.360	44.329	45.000	1	3°15′	0.36	0.22	4.5	189550
Tr 60 x 6	59.625	60.000	56.547	56.882	52.463	53.000	1	1°55′	0.25	0.14	3.0	386240
Tr 60 x 7	59.575	60.000	56.020	56.375	51.431	52.000	1	2°16′	0.28	0.16	3.5	343450
Tr 60 x 9	59.500	60.000	54.935	55.360	49.329	50.000	1	2°57′	0.34	0.20	4.5	302600
Tr 70 x 10	69.470	70.000	64.425	64.850	58.319	59.000	1	2°48′	0.33	0.19	5.0	587540
Tr 80 x 10	79.470	80.000	74.425	74.850	68.319	69.000	1	2°26′	0.30	0.17	5.0	1069390
Tr 90 x 12	89.400	90.000	83.335	83.830	76.246	77.000	1	2°36′	0.31	0.18	6.0	1658969
Tr 95 x 16	94.290	95.000	86.250	86.810	76.110	77.000	1	3°21′	0.37	0.22	8.0	1647164
Tr 100 x 12	99.400	100.000	93.330	93.830	86.215	87.000	1	2°19′	0.29	0.17	6.0	2712072
Tr 100 x 16	99.290	100.000	91.250	91.810	81.110	82.000	1	3°10′	0.35	0.21	8.0	2124553
Tr 120 x 14	119.330	120.000	112.290	112.820	103.157	104.000	1	2°16′	0.28	0.16	7.0	5558591
Tr 120 x 16	119.290	120.000	111.250	111.810	101.110	102.000	1	2°36′	0.31	0.16	8.0	5130342
Tr 140 x 14	139.330	140.000	132.290	132.820	123.157	124.000	1	1°55′	0.25	0.14	7.0	11292921
Tr 160 x 16	159.290	160.000	151.250	151.810	141.110	142.000	1	1°55′	0.25	0.14	8.0	19462609

(1) Useful effect for conversion of rotary movement to linear movement with friction coefficient ƒ =0.1 and ƒ =0.2
(2) Radial support dimension between screw and nut teeth.



Trapezoidal Nut Specifications

DRIVEFLEX

Diameter x lead	D 4 Major dia. tolerance h		D 2 Effective or pitch dia. tolerance 7 h		D 1 Minor dia. tolerance 4 h		Thread starts	Radial play between screw & nut		Axial play between screw & nut	
	min.	max.	min.	max.	min.	max.		min.	max.	min.	max.
	(mm)		(mm)		(mm)						
Tr 10 x 2	10.500		9.000	9.250	8.000	8.236	1	0.071	0.511	0.019	0.137
Tr 10 x 3	10.500		8.500	8.780	7.000	7.315	1	0.085	0.577	0.023	0.155
Tr 10 x 4 (P2)	10.500		9.000	9.250	8.000	8.236	2	0.071	0.511	0.019	0.137
Tr 12 x 3	12.500		10.500	10.800	9.000	9.315	1	0.085	0.609	0.023	0.163
Tr 12 x 6 (P3)	12.500		10.500	10.800	9.000	9.315	2	0.085	0.609	0.023	0.163
Tr 14 x 3	14.500		12.500	12.800	11.000	11.315	1	0.085	0.609	0.023	0.163
Tr 14 x 4	14.500		12.000	12.355	10.000	10.375	1	0.095	0.715	0.025	0.192
Tr 14 x 6 (P3)	14.500		12.500	12.800	11.000	11.315	2	0.085	0.609	0.023	0.163
Tr 16 x 4	16.500		14.000	14.355	12.000	12.375	1	0.095	0.715	0.025	0.192
Tr 16 x 8 (P4)	16.500		14.000	14.355	12.000	12.375	2	0.095	0.715	0.025	0.192
Tr 18 x 4	18.500		16.000	16.355	14.000	14.375	1	0.095	0.715	0.025	0.192
Tr 18 x 8 (P4)	18.500		16.000	16.355	14.000	14.375	2	0.095	0.715	0.025	0.192
Tr 20 x 4	20.500		18.000	18.355	16.000	16.375	1	0.095	0.715	0.025	0.192
Tr 20 x 8 (P4)	20.500		18.000	18.355	16.000	16.375	2	0.095	0.715	0.025	0.192
Tr 20 x 20 (P5)	20.500		17.500	17.875	15.000	15.450	4	0.106	0.761	0.028	0.204
Tr 22 x 5	22.500		19.500	19.875	17.000	17.450	1	0.106	0.761	0.028	0.204
Tr 22 x 10 (P5)	22.500		19.500	19.875	17.000	17.450	2	0.106	0.761	0.028	0.204
Tr 24 x 5	24.500		21.500	21.900	19.000	19.450	1	0.106	0.806	0.028	0.216
Tr 24 x 10 (P5)	24.500		21.500	21.900	19.000	19.450	2	0.106	0.806	0.028	0.216
Tr 25 x 3	25.500		23.500	23.835	22.000	22.315	1	0.085	0.670	0.023	0.180
Tr 25 x 5	25.500		22.500	22.900	20.000	20.450	1	0.106	0.806	0.028	0.216
Tr 25 x 10 (P5)	25.500		22.500	22.900	20.000	20.450	2	0.106	0.806	0.028	0.216
Tr 25 x 25 (P5)	25.500		22.500	22.900	20.000	20.450	5	0.106	0.806	0.028	0.216
Tr 26 x 5	26.500		23.500	23.900	21.000	21.450	1	0.106	0.806	0.028	0.216
Tr 26 x 10 (P5)	26.500		23.500	23.900	21.000	21.450	2	0.106	0.806	0.028	0.216
Tr 28 x 5	28.500		25.500	25.900	23.000	23.450	1	0.106	0.806	0.028	0.216
Tr 28 x 10 (P5)	28.500		25.500	25.900	23.000	23.450	2	0.106	0.806	0.028	0.216
Tr 30 x 3	30.500		28.500	28.835	27.000	27.315	1	0.085	0.670	0.023	0.180
Tr 30 x 4	30.500		28.000	28.855	26.000	26.375	1	0.095	1.215	0.025	0.326
Tr 30 x 5	30.500		27.500	27.900	25.000	25.450	1	0.106	0.806	0.028	0.216
Tr 30 x 6	31.000		27.000	27.450	24.000	24.500	1	0.118	0.903	0.032	0.242
Tr 30 x 12 (P6)	31.000		27.000	27.450	24.000	24.500	2	0.118	0.903	0.032	0.242
Tr 30 x 30 (P5)	30.500		27.500	27.900	25.000	25.450	6	0.106	0.806	0.028	0.216
Tr 32 x 6	33.000		29.000	29.450	26.000	26.500	1	0.118	0.903	0.032	0.242
Tr 32 x 12 (P6)	33.000		29.000	29.450	26.000	26.500	2	0.118	0.903	0.032	0.242
Tr 35 x 3	35.500		33.500	33.835	32.000	32.315	1	0.085	0.670	0.023	0.180
Tr 35 x 4	35.500		33.000	33.355	31.000	31.375	1	0.095	0.715	0.025	0.192
Tr 35 x 5	25.500		32.500	32.900	30.000	30.450	1	0.106	0.806	0.028	0.216
Tr 35 x 6	36.000		32.000	32.450	29.000	29.500	1	0.118	0.903	0.032	0.242
Tr 35 x 8	36.000		31.000	31.500	27.000	27.630	1	0.132	1.007	0.035	0.270
Tr 36 x 6	37.000		33.000	33.450	30.000	30.500	1	0.118	0.903	0.032	0.242
Tr 36 x 12 (P6)	37.000		33.000	33.450	30.000	30.500	2	0.118	0.903	0.032	0.242

Trapezoidal Nut Specifications

DRIVEFLEX

Diameter x lead	D 4 Major dia. tolerance H(mm)		D 2 Effective or pitch dia. tolerance 7 H		D 1 Minor dia. tolerance 4 H		Thread starts	Radial play between screw & nut		Axial play between screw & nut	
	min.	max.	min.	max.	min.	max.		min.	max.	min.	max.
	(mm)		(mm)		(mm)						
Tr 40 x 3	40.500		38.500	38.835	37.000	37.315	1	0.085	0.670	0.023	0.180
Tr 40 x 4	40.500		38.000	38.355	36.000	36.375	1	0.095	0.715	0.025	0.192
Tr 40 x 5	40.500		37.500	37.900	35.000	35.450	1	0.106	0.806	0.028	0.216
Tr 40 x 6	41.000		37.000	37.450	34.000	34.500	1	0.118	0.903	0.032	0.242
Tr 40 x 7	41.000		36.500	36.975	33.000	33.560	1	0.125	0.955	0.033	0.256
Tr 40 x 8	41.000		36.000	36.500	32.000	32.630	1	0.132	1.007	0.035	0.270
Tr 40 x 10	41.000		35.000	35.530	30.000	30.710	1	0.150	1.080	0.040	0.289
Tr 40 x 14 (P7)	41.000		36.500	36.975	33.000	33.560	2	0.125	0.955	0.033	0.256
Tr 40 x 40 (P8)	41.000		36.000	36.500	32.000	32.630	5	0.132	1.007	0.035	0.270
Tr 44 x 7	45.000		40.500	40.975	37.000	37.560	1	0.125	0.955	0.033	0.256
Tr 45 x 8	46.000		41.000	41.500	37.000	37.630	1	0.132	1.007	0.035	0.270
Tr 50 x 3	50.500		48.500	48.855	47.000	47.315	1	0.085	0.705	0.023	0.189
Tr 50 x 4	50.500		48.000	48.400	46.000	46.375	1	0.095	0.795	0.025	0.213
Tr 50 x 5	50.500		47.500	47.900	45.000	45.450	1	0.106	0.806	0.028	0.216
Tr 50 x 6	51.000		47.000	47.450	44.000	44.500	1	0.118	0.903	0.032	0.242
Tr 50 x 8	51.000		46.000	46.530	42.000	42.630	1	0.132	1.062	0.035	0.285
Tr 50 x 10	51.000		45.000	45.560	40.000	40.710	1	0.150	1.135	0.040	0.304
Tr 55 x 9	56.000		50.500	51.060	46.000	46.670	1	0.140	1.125	0.038	0.301
Tr 60 x 6	61.000		57.000	57.450	54.000	54.500	1	0.118	0.903	0.032	0.242
Tr 60 x 7	61.000		56.500	56.975	53.000	53.560	1	0.125	0.955	0.033	0.256
Tr 60 x 9	61.000		55.500	56.060	51.000	51.670	1	0.140	1.125	0.038	0.301
Tr 70 x 10	71.000		65.000	65.560	60.000	60.710	1	0.150	1.135	0.040	0.304
Tr 80 x 10	81.000		75.000	75.560	70.000	70.710	1	0.150	1.135	0.040	0.304
Tr 90 x 12	91.000		84.000	84.630	78.000	78.800	1	0.170	1.295	0.046	0.347
Tr 95 x 16	97.000		87.000	87.750	79.000	80.000	1	0.190	1.500	0.051	0.402
Tr 100 x 12	101.000		94.000	94.670	88.000	88.800	1	0.170	1.340	0.046	0.359
Tr 100 x 16	102.000		92.000	92.750	84.000	85.000	1	0.190	1.500	0.051	0.402
Tr 120 x 14	122.000		113.000	113.710	106.00	106.900	1	0.180	1.420	0.048	0.380
Tr 120 x 16	122.000		112.000	112.750	104.00	105.000	1	0.190	1.500	0.051	0.402
Tr 140 x 14	142.000		133.000	133.710	126.00	126.900	1	0.180	1.420	0.048	0.380
Tr 160 x 16	162.000		152.000	152.750	144.00	145.000	1	0.190	1.500	0.051	0.402



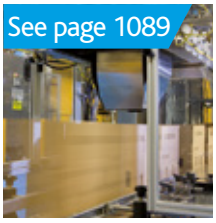
TRANSPLAS

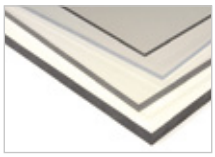
ACCESSORIES TO SUPPORT YOUR MACHINE NEEDS

Our range of accessories provide a complete solution for machine building, maintenance and repair.

Machine Guarding

See page 1089





- A range of materials including Cast Acrylic, Extruded Acrylic and Polycarbonate and PET-G,
- A wide range of thicknesses, colours and finishes available
- We can cut, shape and machine to your required specifications
- Our Team will help you specify exactly the right material for your machine guarding

Wear Strips & Guides

- One of the largest range of extruded profiles in Europe
- We hold a vast selection of extruded profiles in stock and can supply to your particular requirements
- A range of standard belt guide profiles for Flat, Round and Vee belts
- We machine all the standard profiles for chain for our extensive stock range
- Our in-house chain experts help us to meet special design requirements for Chain guides



See page 1031



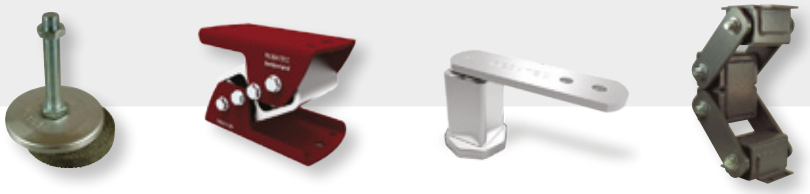
RESATEC

Machine Mounting

- Manufactured by Swiss based RESATEC AG
- Rubber Suspension Unit with various accessories as a mechanical engineering part
- Screen Mountings for the mounting of oscillating screens and oscillating conveyors
- Oscillating Mountings for the mounting of guided shaker machines
- Anti-vibration Mounting for the isolation and damping of nuisance vibrations
- Tensioner Devices with various accessories for the tensioning of chains and belts

See page 1067





BELTS PULLEYS CHAIN SPROCKETS GEARS BEARINGS LINEAR HARDWARE PLASTICS

TransDev®
THE POWER IN MOTION

RESATEC

RESATEC® Tensioners and Oscillators



- CHAIN TENSIONERS
- RUBBER SUSPENSION UNITS
- LEVELLING FEET
- MOUNTINGS
- DAMPERS
- OSCILLATING UNITS

Universal Tensioner Series

RESATEC

Universal Rubber Element Tensioning Systems



The Rubber Suspension Unit with its unique and compact design, made with natural rubber inserts, allows a large torque angle of ±32°. The torsion angle is related to the permissible oscillating angle. The torque force from 0 up to 32° will increase progressively.

The Rubber Suspension Unit can take care of several functions at the same time. It combines a spring, a bearing, a tensioner and a noise and vibration limiting unit. The unit can be installed under pretension, as required. The features of the Rubber Suspension Units have great advantages against components with single function only.

Whilst it is a simple system of rubber suspension units, a wide range of specified products can be offered.

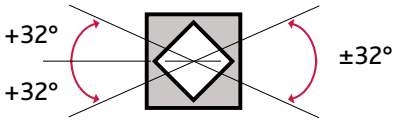
The range consists of:

Basic Units, type LTS, LTA, LTKS and LTKA

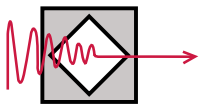
Tensioner, type TE, TEI in combination with KS and RE

Oscillating Mountings, type OM, DH, CH, CE etc.

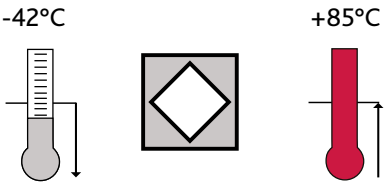
Antivibration Mountings, type DVM, CH



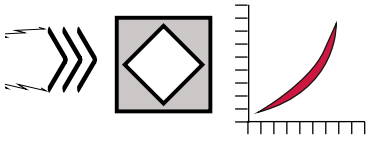
- Large operating angle
- Bi-directional from rest
- Long life



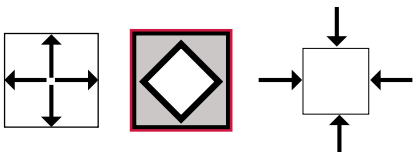
- Vibration damping
- Noise reducing



- Resistant to temperature



- Progressive spring characteristics
- High repeatability



- Safe in operation in any position

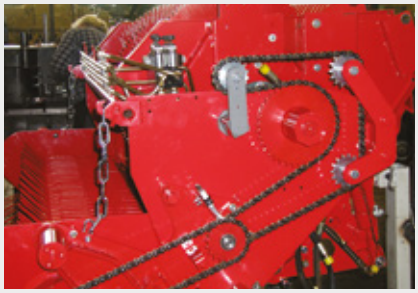


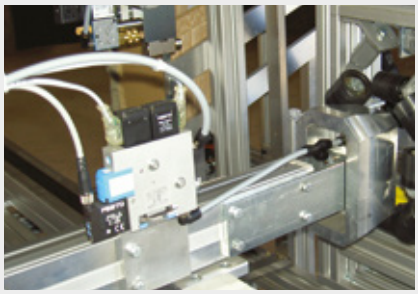
- Maintenance-free

Universal Tensioner Series

RESATEC

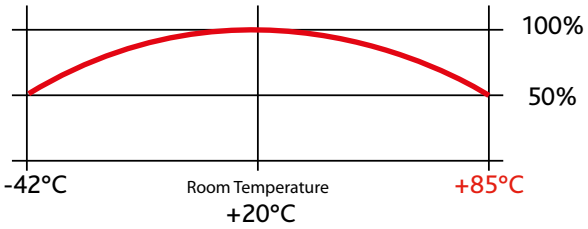
Example applications for a universal tensioner type TE







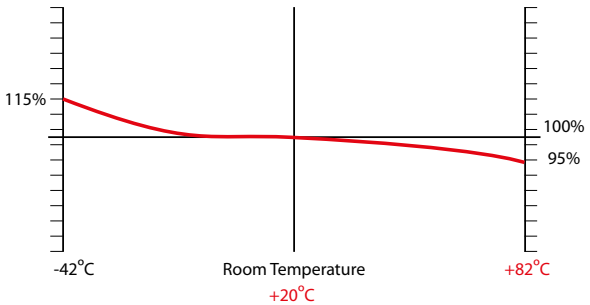

Rubber characteristics (RESATEC)



Temperature influence service life
(under control conditions - 10 years)



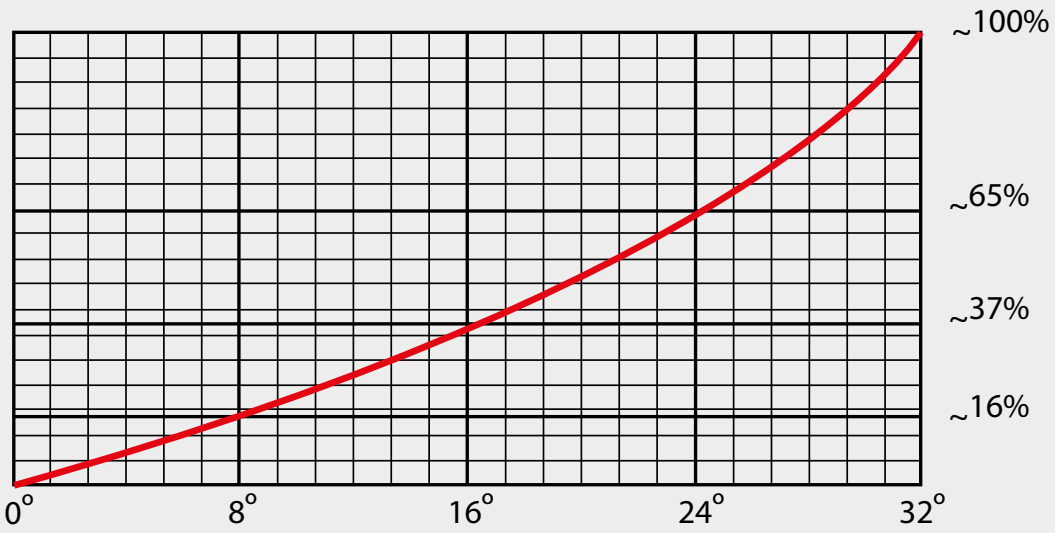
Cold flow and setting



Temperature influence: torque reaction

Torque Chart

RESATEC



This chart is applicable for all sizes of types LTS, LTA, LTKS, LTKA



Example of determination:

- a.e. LTS 6-80 with torque M 215 NM at 32°
  - at a torque angle of 15° = 35% = ~ 75NM
  - at a torque angle of 22° = 56% = ~ 120NM
  - at a torque angle of 28° = 81% = ~ 174NM
- a.e. LTKA 5-60 with torque M 85 NM at 32°
  - at a torque angle of 10° = 20% = ~ 17NM
  - at a torque angle of 12° = 26% = ~ 22NM
  - at a torque angle of 26° = 73% = ~ 62NM

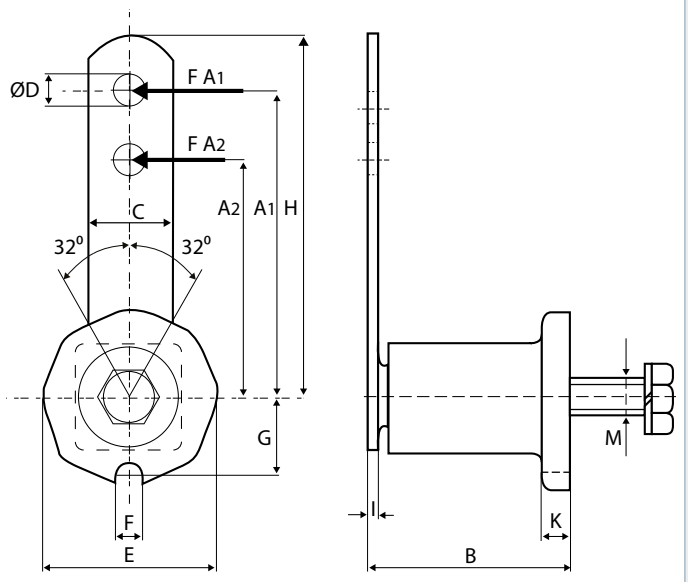
The data determined with the help of the above chart can show a tolerance of ±10%, normally it will be much less. (The tolerances result from deviations of material and shore hardness tolerances, as well as temperature changes).

All elastic material will show a static deformation, known as cold flow, after a period of time. For Rubber the natural setting - cold flow - will result in a loss of approx. 3 up to 4° from its 0° position. This fact has to be considered for certain applications.

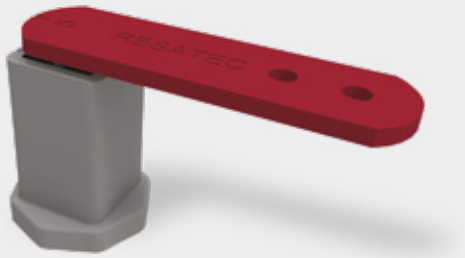
Universal Tensioner Series TE

RESATEC

Universal Tensioner



TYPE TE



RESATEC® Universal Rubber Tensioners Type TE are used throughout the mechanical engineering and allied industries.

Mainly used as belt and chain tensioners, they are simply fitted by a single rear mounted bolt and hold in any position by friction. A base flange cutout allows them to be accurately aligned using a simple spigot. They can be supplied with a Lead and Cadmium free powder-coated finish.

RESATEC® TE tensioners are safe in operation and maintenance-free.

Type	A_1	A_2	B	C	ØD	E	F	G	H	I	K	M	F [N] @ 32°		Weight (kg)
													A_1	A_2	
TE2	80	60	52	20	8.5	38	8.0	16	90	5	7	M6	0-90	0-110	0.240
TE3	100	80	63	25	10.5	48	8.5	21	112.5	5	10	M8	0-140	0-170	0.420
TE4	100	80	78	30	10.5	59	8.5	25	115	6	12	M10	0-320	0-430	0.600
TE5	130	100	108	50	12.5	76	10.5	32	155	8	15	M12	0-820	0-1050	1.700
TE6	175	140	145	60	20.5	97	12.5	41	205	10	17	M16	0-1500	0-1880	3.700
TE7	220	175	198	70	20.5	112	12.5	51	255	12	18	M20	0-2500	0-3200	6.500
TE8	250	200	212	80	20.5	130	17.0	52	290	20	20	M24	0-3900	0-4900	8.650

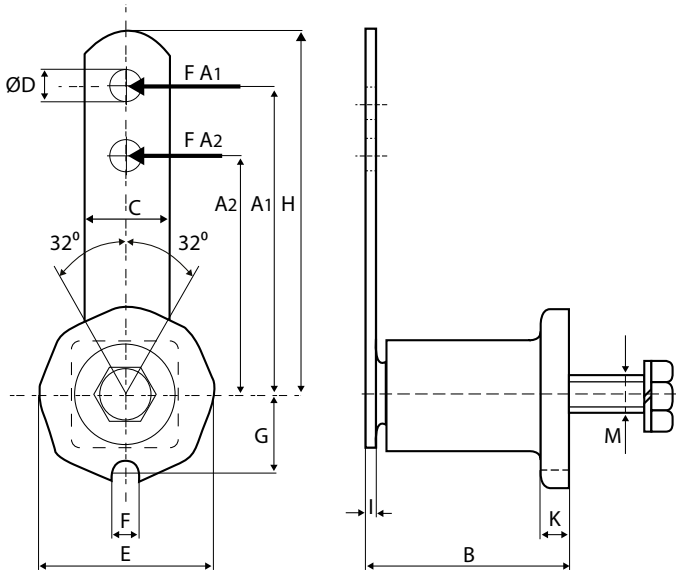


See Chain Tensioner – Page 1061

Universal Tensioner Series TEi Stainless Steel

RESATEC

Universal Tensioner



TYPE TEi



RESATEC® Stainless Steel Universal Tensioners Type TE-i are used throughout mechanical engineering and allied industries where corrosion is a problem.

Mainly used as belt and chain tensioners, they are simply fitted by a single rear mounted bolt and hold in any position by friction. A base flange cutout allows them to be accurately aligned using a simple spigot.

TE-i tensioners are safe in operation and maintenance-free.

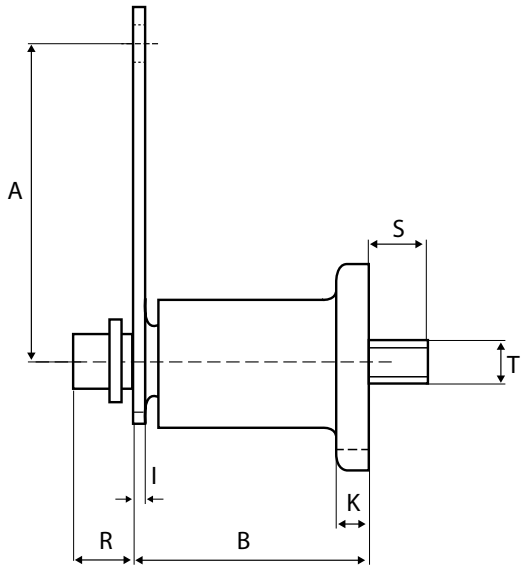
Type	A_1	A_2	B	C	ØD	E	F	G	H	I	K	M	F [N] @ 32°		Weight (kg)
													A_1	A_2	
TE-i 2	80	60	52	20	8.5	38	8.0	16	90	5	7	M6	0-90	0-110	0.210
TE-i 3	100	80	63	25	10.5	48	8.5	21	112.5	5	10	M8	0-140	0-170	0.380
TE-i 4	100	80	78	30	10.5	59	8.5	25	115	6	12	M10	0-320	0-430	0.620
TE-i 5	130	100	108	50	12.5	76	10.5	32	155	8	15	M12	0-820	0-1050	1.700
TE-i 6*	175	140	140	60	20.5	97	12.5	41	205	10	17	M16	0-1500	0-1880	3.420

*Housing with round flange.

Universal Tensioner Series TE-FB

RESATEC

Universal Tensioner



TYPE TE-FB



RESATEC® Universal Tensioners Type TE-FB are used throughout mechanical engineering and allied industries, where access to the rear of the tensioner mounting surface is not possible.

Mainly used as belt and chain tensioners they are simply fitted by a single through unit bolt and hold in any position by friction. A base flange cutout allows them to be accurately aligned using a simple spigot. They can be supplied with a Lead and Cadmium free powder-coated finish.

RESATEC® TE-FB tensioners are safe in operation and maintenance-free.

Type	A	B	K	I	R	S	T	Weight (kg)
TE3-FB	100	63	10	5	10	13	M6	0.460
TE4-FB	100	78	12	6	13	17	M8	0.650
TE5-FB	130	108	15	8	15	17	M10	1.750
TE6-FB	175	145	17	10	17	15	M12	3.900
TE7-FB	220	198	18	12	23	34	M16	6.800
TE8-FB	250	212	20	20	28	38	M20	9.300

All values and dimensions not stated on this page are exactly the same as the standard series TE.

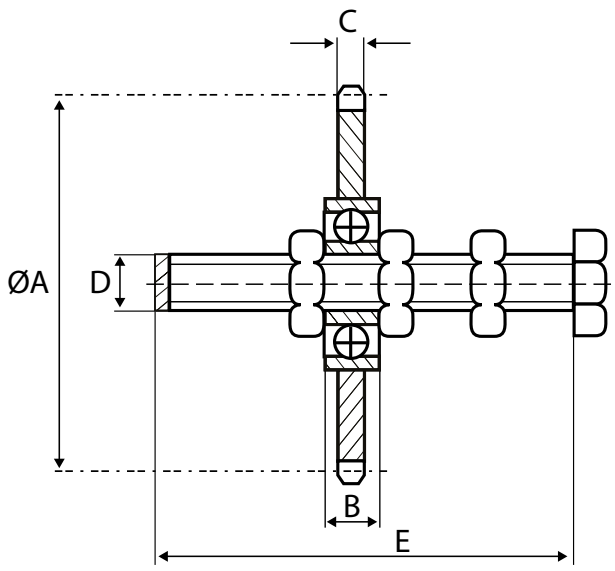


See Chain section – Page 501

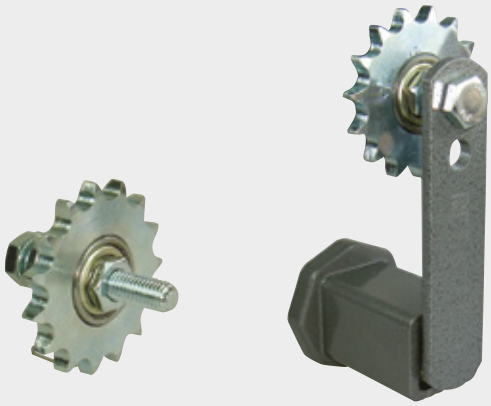
Sprocket Sets Type KS-Simplex

RESATEC

Sprocket Set



TYPE KS-SIMPLEX



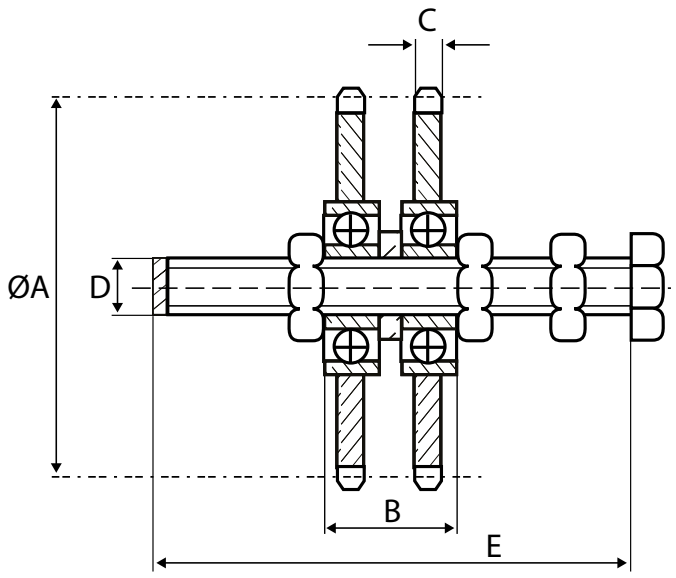
The RESATEC® Sprocket Wheel is equipped with high-quality ball bearings. The bolt with nuts, the sprocket wheels and the distance bushes are galvanised.

Type	No. teeth	ØA	B	C	D	E	Chain DIN 8287	Weight (kg)	Suitable for
KS 3/8"x7/32"-10	15	45.81	9	5.7	M10	60	ISO-06B	0.150	TE3/TE4
KS 1/2"x5/16"-10	15	61.08	9	7.2	M10	60	ISO-08B	0.200	TE3/TE4
KS 1/2"x5/16"-12	15	61.08	12	7.2	M12	80	ISO-08B	0.230	TE5
KS 5/8"x3/8"-12	15	76.36	12	9.1	M12	80	ISO-10B	0.370	TE5
KS 5/8"x3/8"-20	15	76.36	15	9.1	M20	120	ISO-10B	0.700	TE6
KS 3/4"x7/16"-12	15	91.63	12	11.5	M12	80	ISO-12B	0.600	TE5
KS 3/4"x7/16"-20	15	91.63	15	11.5	M20	120	ISO-12B	0.900	TE6
KS 1"x17.02"-20	13	106.14	15	16.2	M20	120	ISO-16B	1.300	TE6
KS 1 1/4"x3/4"-20	13	132.67	15	18.5	M20	140	ISO-20B	2.050	TE7
KS 1 1/2"x1"-20	11	135.23	15	24.1	M20	160	ISO-24B	2.400	TE7/TE8

Sprocket Sets Type KS-Duplex

RESATEC

Sprocket Set



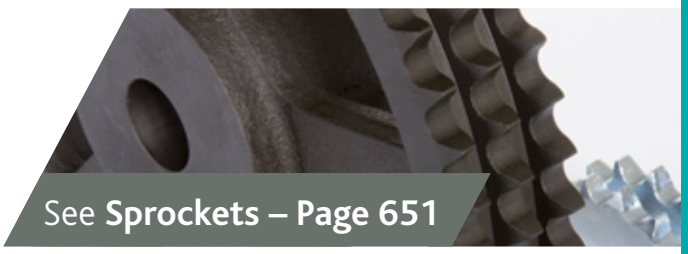
TYPE KS-DUPLEX





The RESATEC® Sprocket Wheel is equipped with high-quality ball bearings. The bolt with nuts, the sprocket wheels and the distance bushes are galvanised.

Type	No. teeth	ØA	B	C	D	E	Chain DIN 8287	Weight (kg)	Suitable for
KS 3/8"x7/32"-10D	15	45.81	19.2	5.7	M10	60	ISO-06B-2	0.20	TE3/TE4
KS 1/2"x5/16"-10D	15	61.08	22.9	7.2	M10	60	ISO-08B-2	0.35	TE3/TE4
KS 1/2"x5/16"-12D	15	61.08	26.0	7.2	M12	80	ISO-08B-2	0.45	TE5
KS 5/8"x3/8"-12D	15	76.36	28.6	9.1	M12	80	ISO-10B-2	0.60	TE5
KS 5/8"x3/8"-20D	15	76.36	31.5	9.1	M20	120	ISO-10B-2	1.00	TE6
KS 3/4"x7/16"-12D	15	91.63	31.5	11.5	M12	80	ISO-12B-2	1.05	TE5
KS 3/4"x7/16"-20D	15	91.63	34.5	11.5	M20	120	ISO-12B-2	1.35	TE6
KS 1"x17.02"-20D	13	106.14	46.9	16.2	M20	120	ISO-16B-2	2.10	TE6/TE7
KS 1 1/4"x3/4"-20D	13	132.67	51.5	18.5	M20	140	ISO-20B-2	3.60	TE7/TE8
KS 1 1/2"x1"-20D	11	135.23	63.4	24.1	M20	160	ISO-24B-2	4.25	TE7/TE8

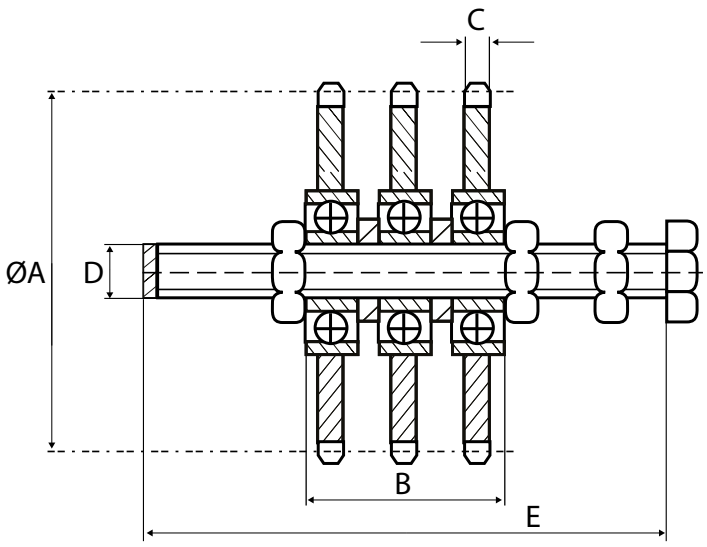


See Sprockets – Page 651

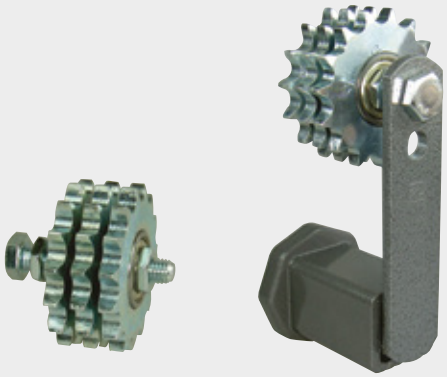
Sprocket Sets Type KS-Triplex

RESATEC

Sprocket Set



TYPE KS-TRIPLEX



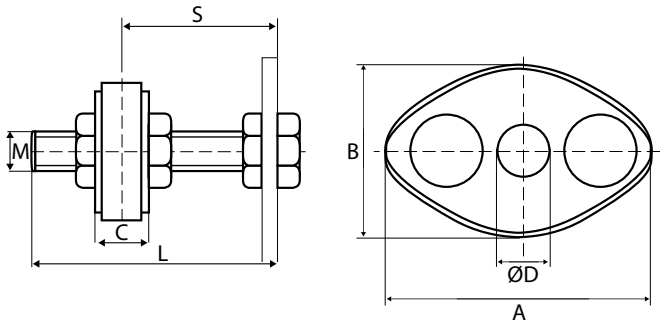
The RESATEC® Sprocket Wheel is equipped with high-quality ball bearings. The bolt with nuts, the sprocket wheels and the distance bushes are galvanised.

Type	No. teeth	ØA	B	C	D	E	Chain DIN 8287	Weight (kg)	Suitable for
KS 3/8"x7/32"-10T	15	45.81	29.4	5.7	M10	60	ISO-06B-3	0.25	TE4
KS 1/2"x5/16"-12T	15	61.08	40.0	7.2	M12	80	ISO-08B-3	0.50	TE5
KS 5/8"x3/8"-12T	15	76.36	45.2	9.1	M12	80	ISO-10B-3	0.95	TE5
KS 5/8"x3/8"-20T	15	76.36	48.2	9.1	M20	120	ISO-10B-3	1.25	TE6
KS 3/4"x7/16"-20T	15	91.63	54.0	11.5	M20	120	ISO-12B-3	1.50	TE6/TE7
KS 1"x17.02"-20T	13	106.14	78.8	16.2	M20	140	ISO-16B-3	2.90	TE7/TE8
KS 1 1/4"x3/4"-20T	13	132.67	88.0	18.5	M20	140	ISO-20B-3	5.20	TE7/TE8
KS 1 1/2"x1"-20T	11	135.23	111.8	24.1	M20	160	ISO-24B-3	6.20	TE7/TE8

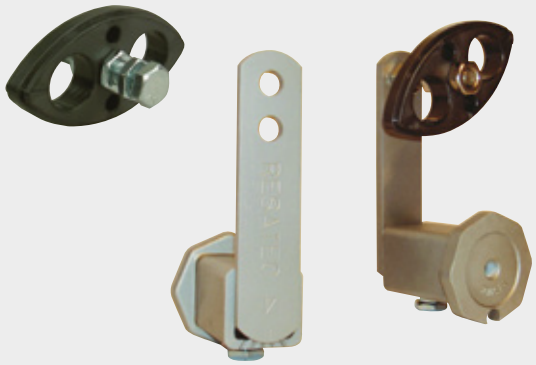
Chainrider Type CR

RESATEC

Chainrider



TYPE CR



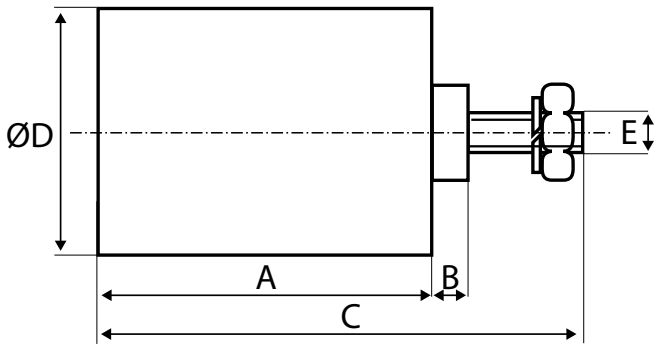
The RESATEC® Chainriders Type CR/CRS made of high quality Plastics (Vesconite), together with the RESATEC® Tensioner Type TE make an excellent, smooth running low cost chain tensioner. As both sides of the rider can be used, you may get a very high service life. The chainriders can be built up for duplex roller-chains. The combination of CRS/TEi make up a corrosion and maintenance-free chain tensioner.

Type	A	B	C	ØD	S	M	L	Chain	Weight (kg)	L
CR 3/8"	74	40	10.2	8	-	-	-	ISO-06B	0.02	-
CR 1/2"	96	50	13.9	10	-	-	-	ISO-08B	0.05	-
CR 5/8"	125	55	16.5	10	-	-	-	ISO-10B	0.08	-
CR 3/4"	147	80	19.5	12	-	-	-	ISO-12B	0.12	-
CRS 3/8"-8S	74	40	10.2	8	18-35	M8	45	ISO-06B	0.05	TE2
CRS 1/2"-10S	96	50	13.9	10	23-45	M10	60	ISO-08B	0.11	TE3/4
CRS 5/8"-10S	125	55	16.5	10	24-44	M10	60	ISO-10B	0.14	TE4
CR5 3/4"-12S	147	80	19.5	12	30-60	M12	80	ISO-12B	0.22	TE5

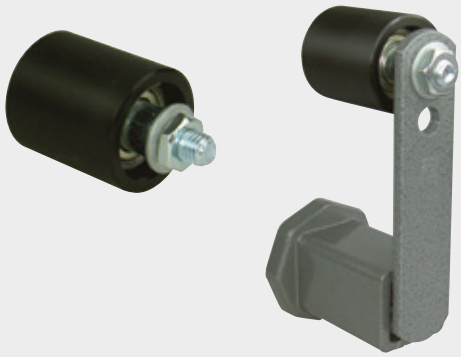
Roller Set Type RE

RESATEC

Roller Set



TYPE RE

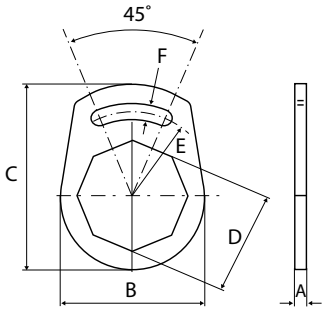


The RESATEC® Belt Tensioner is used for automatic and maintenance-free tensioning of Vee, Flat and Tooth Belts.
(Arm not included.)

Type	A	B	C	ØD	E	Weight (kg)	Suitable for
RE2	35	3	51	30	M8	0.075	TE2
RE3/4	45	6	67	40	M10	0.170	TE3/TE4
RE5	60	7.5	89	60	M12	0.395	TE5
RE6	90	9	127	80	M20	1.200	TE6/TE7
RE7	135	7	167	80	M20	1.700	TE7

Tensioner-Lock Type TL

Type	A	B	C	D	E	F	Suitable for	Weight (kg)
TL5	8	104	130	74.5	60	13	TE5	0.120
TL6	10	128	161	94	75	17	TE6	0.230



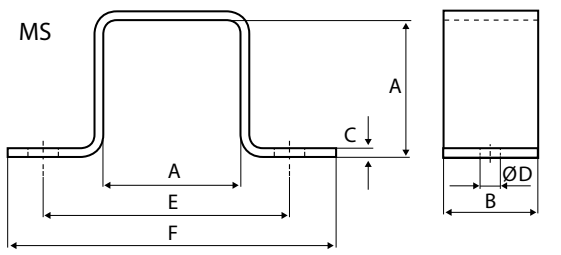
The Tensioner-Lock is required to obtain sufficient friction lock, when it cannot be obtained due to bad surfaces.
(Material: Alu Plate)

Mounting Clamps and Mounting Support

RESATEC

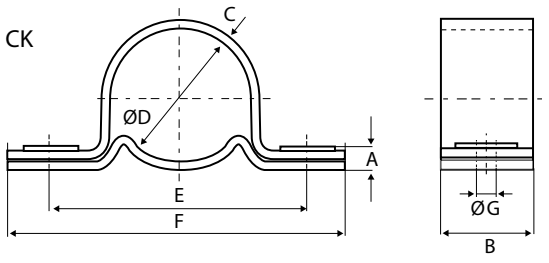
Mounting Clamp type MS for Universal Tensioner Series TE

Type	A	B	C	ØD	E	F	Weight (kg)
MS2	20	20	2	5.5	37	50	0.03
MS3	27	25	2	6.5	50	65	0.04
MS4	32	30	3	8.5	60	80	0.09
MS5	45	35	3	10.5	80	105	0.16
MS6	60	40	5	12.5	100	125	0.29
MS7	72	45	5	12.5	115	145	0.45
MS8	78	50	6	17	130	170	0.68



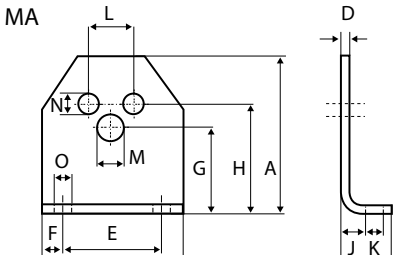
Mounting Clamp Type CK (for LTS / LTA)

Type	A	B	C	ØD	E	F	ØG	Weight (kg)
CK5	10	40	3	62	92	125	10.5	0.30
CK6	11	40	3	80	115	150	12.5	0.45



Mounting Plate Type MA (for LTA / LTK-A OR TE / TE-i)

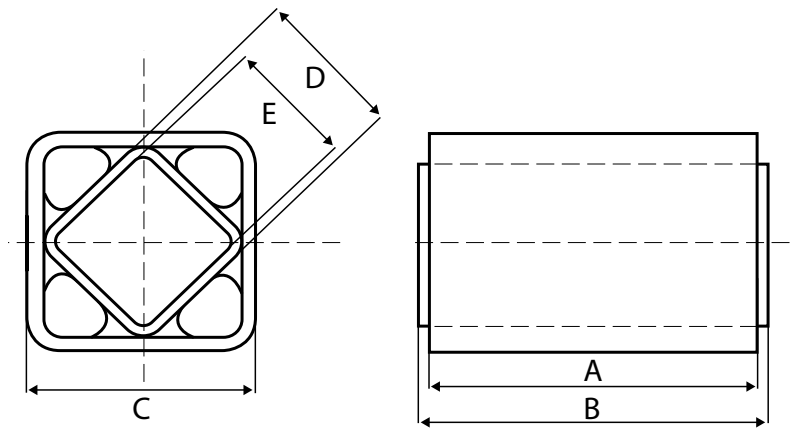
Type	Suitable for		A	B	C	D	E	F	G	H	J	K	L	ØM	ØN	ØO	Weight (kg)
	TE	LT															
MA2-3	2	3	46	50	30	4	30	10	27	35	12	13	10	6.5	5.5	7	0.09
MA3-4	3	4	58	60	32	6	40	10	34	44	14	13	12	8.5	6.5	7	0.19
MA4-5	4	5	75	70	38	6	50	10	45	55	16	16	20	10.5	8.5	9.5	0.30
MA5-6	5	6	98	90	52	8	65	12.5	75	75	21	22	25	12.5	10.5	11.5	0.70
MA6-7	6	7	116	110	55	8	80	15	66	85	21	24	35	16.5	12.5	14	0.90
MA7-8	7	8	140	140	66	10	100	20	80	110	26	30	40	20.5	12.5	18	1.80



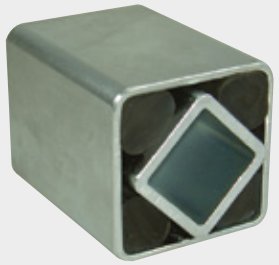
Rubber Suspension Unit Type LTS

RESATEC

Rubber Suspension Unit



TYPE LTS



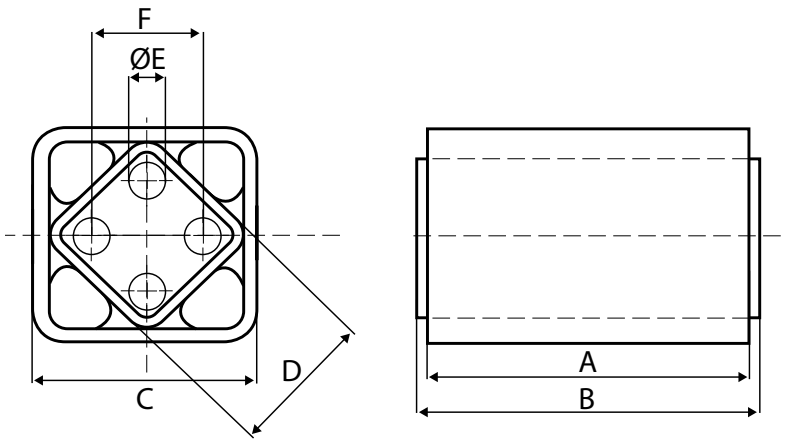
The RESATEC® Rubber Suspension Unit can be applicable for any type of industry. With a torque angle ±32° and almost unlimited fixing possibilities, the units are very suitable for modern, maintenance-free engineering; even more as they often have a multi-fuction of tensioning, pivoting, bearing and damping. The outer and inner square tubes are made of Steel, are Zinc plated or protected with a Lead and Cadmium free powder coating.

Type	Torque min. NM at 32°	A	B	C	D	E	Weight (kg)
LTS 3-25	8	25	30	27	15	11	0.08
LTS 3-40	13	40	45	27	15	11	0.13
LTS 3-60	19	60	65	27	15	11	0.19
LTS 4-30	20	30	35	32	18	12	0.13
LTS 4-50	34	50	55	32	18	12	0.22
LTS 4-80	54	80	85	32	18	12	0.33
LTS 5-40	56	40	45	45	27	22	0.27
LTS 5-60	85	60	65	45	27	22	0.40
LTS 5-100	140	100	105	45	27	22	0.66
LTS 6-60	160	60	70	60	38	30	0.68
LTS 6-80	215	80	90	60	38	30	0.90
LTS 6-120	320	120	130	60	38	30	1.35
LTS 7-80	315	80	90	75	45	35	1.20
LTS 7-100	390	100	110	75	45	35	1.46
LTS 7-150	580	150	160	75	45	35	2.16
LTS 8-120	720	120	130	80	50	40	2.20
LTS 8-200	1300	200	210	80	50	40	3.50
LTS 8-300	2000	300	310	80	50	40	5.30

Rubber Suspension Unit Type LTA

RESATEC

Rubber Suspension Unit



TYPE LTA



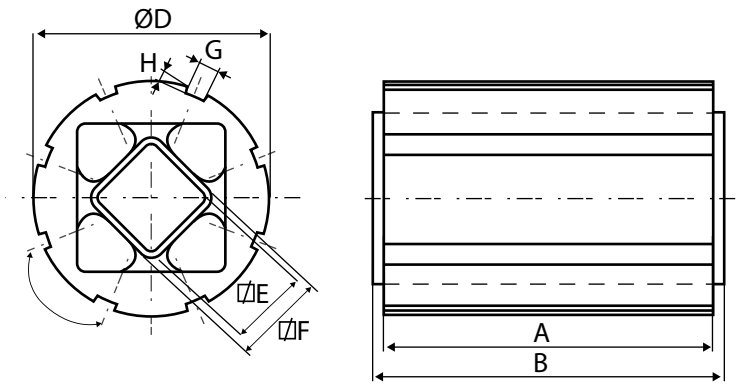
The RESATEC® Rubber Suspension Units can be applicable for any type of industry. With a torque angle of ±32° and almost unlimited fixing possibilities, the units are very suitable for modern, maintenance free engineering; even more as they often have a multi-function role of tensioning, pivoting, bearing and damping. The housing is made of Steel, Zinc plated or protected with a Lead and Cadmium free powder coating. The inner squares are made partly of light metal. The through holes can be tapped if required.

Type	Torque min. NM at 32°	A	B	C	D	ØE	F	Weight (kg)
LTA 4-30	20	30	35	32	18	6	12	0.10
LTA 4-50	34	50	55	32	18	6	12	0.15
LTA 4-80	54	80	85	32	18	6	12	0.26
LTA 5-40	55	40	45	45	27	8	20	0.26
LTA 5-60	85	60	65	45	27	8	20	0.37
LTA 5-100	140	100	105	45	27	8	20	0.62
LTA 6-60	160	60	70	60	38	10	25	0.61
LTA 6-80	210	80	90	60	38	10	25	0.80
LTA 6-120	320	120	130	60	38	10	25	1.15
LTA 7-80	310	80	90	75	45	12	35	1.01
LTA 7-100	390	100	110	75	45	12	35	3.00
LTA 7-150	580	150	160	75	45	12	35	4.45
LTA 8-120	760	120	130	80	50	M12x40	40	3.70
LTA 8-200	1370	200	210	80	50	M12x40	40	6.20
LTA 8-300	2050	300	310	80	50	M12x40	40	9.20

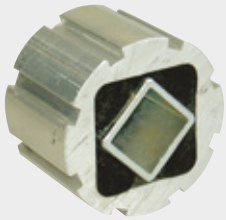
Rubber Suspension Unit Type LTK-S

RESATEC

Rubber Suspension Unit



TYPE LTK-S



The RESATEC® Rubber Suspension Units can be applicable for any type of industry. With a torque angle of ±32° and almost unlimited fixing possibilities the units are suitable for very modern, maintenance-free engineering; even more as they often have a multi-function role of tensioning, pivoting, bearing and damping.

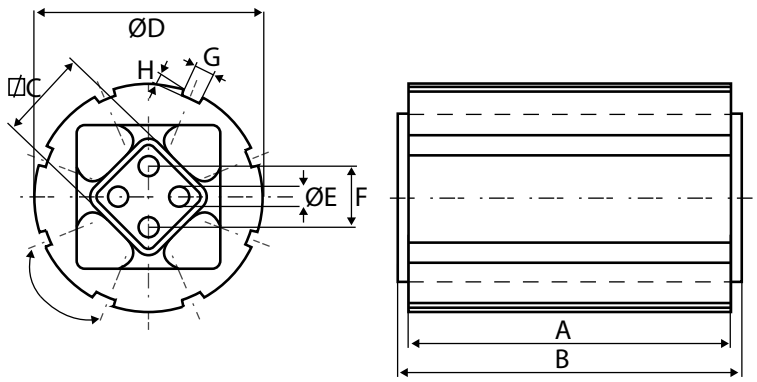
The round housing allows the setting of a unit in any position using clamps. For better frictional hold the light metal housing is not coated. The inner square is made of Steel, Zinc plated or protected with a Lead and Cadmium free powder coating.

Type	Torque min. NM at 32°	A	B	ØD	⍁E	⍁F	G	H	Weight (kg)
LTK-S 5-40	56	40	45	62	22	27	6	3	0.30
LTK-S 5-60	85	60	65	62	22	27	6	3	0.40
LTK-S 5-100	140	100	105	62	22	27	6	3	0.60
LTK-S 6-60	160	60	70	80	30	38	7	3.5	0.70
LTK-S 6-80	215	80	90	80	30	38	7	3.5	0.90
LTK-S 6-120	320	120	130	80	30	38	7	3.5	1.30

Rubber Suspension Unit Type LTK-A

RESATEC

Rubber Suspension Unit



TYPE LTK-A



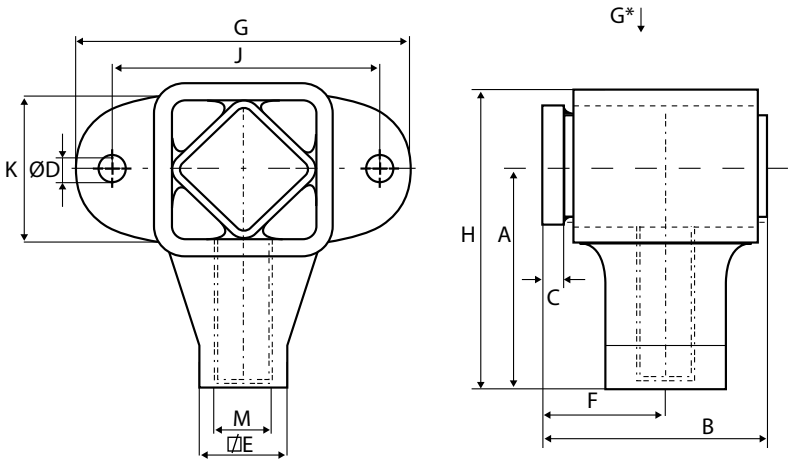
The RESATEC® Rubber Suspension Units can be applicable for any type of industry. With a torque angle of ±32° and almost unlimited fixing possibilities the units are very suitable for modern, maintenance-free engineering; even more, as they often have a multi-function role of tensioning, pivoting, bearing and damping. The round housing allows the unit to be set at any position with clamps. For better frictional hold the light metal housing is not coated. The inner square is not coated, but has four through-holes that can be tapped if required.

Type	Torque min. NM at 32°	A	B	⍁C	ØD	ØE	F	G	H	Weight (Kg)
LTK-A5-40	56	40	45	27	62	8	20	6	3	0.25
LTK-A5-60	85	60	65	27	62	8	20	6	3	0.35
LTK-A5-100	140	100	105	27	62	8	20	6	3	0.60
LTK-A6-60	160	60	70	38	80	10	25	7	3.5	0.60
LTK-A6-80	215	80	90	38	80	10	25	7	3.5	0.80
LTK-A6-120	320	120	130	38	80	10	25	7	3.5	1.20

Oscillating Mounting Type OM

RESATEC

Oscillating Mounting



TYPE OM



The RESATEC® Oscillating Mountings Type OM are used mainly for shaker conveyors and screens with eccentric drives. The units are very easy to fit and allow an optimal levelling of the trough.

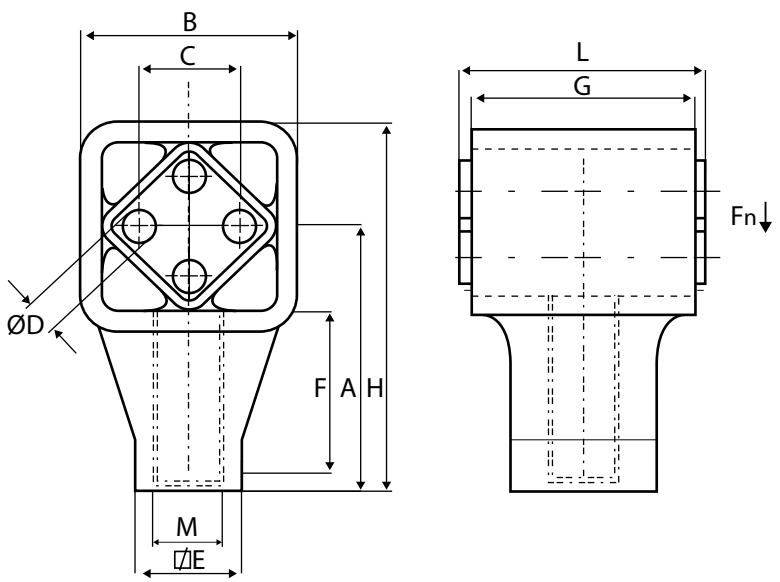
For the proper selection and fitting instructions please ask our Technical Department for further information and guidelines.

Type	A	B	C	ØD	⍁E	F	G	H	J	K	M	G* in N	n_e	Weight (kg)
OM4R	40	61	5	9	24	33	82	58	60	30	M12R	190	1250	0.28
OM4L	40	61	5	9	24	33	82	58	60	30	M12L	190	1250	0.28
OM5R	55	75	6	11	30	41	108	81	80	45	M16R	380	780	0.58
OM5L	55	75	6	11	30	41	108	81	80	45	M16L	380	780	0.58
OM6R	80	98	8	13	40	53	130	115	100	60	M20R	780	760	1.45
OM6L	80	98	8	13	40	53	130	115	100	60	M20L	780	760	1.45
OM7R	90	118	8	17	50	63	170	135	130	70	M24R	1550	750	2.54
OM7L	90	118	8	17	50	63	170	135	130	70	M24L	1550	750	2.54
OM8R	100	140	10	17	60	75	180	147	140	80	M36R	2400	580	6.05
OM8L	100	140	10	17	60	75	180	147	140	80	M36L	2400	580	6.05

Crankdrive Unit Type DH

RESATEC

Crankdrive Unit



TYPE DH



The RESATEC® Crankdrive Units are used mainly for shaker conveyors and screens. These units are fitted between the drive system and the trough. The unit is simply fitted at the drive shaft and provide perfect power transmission. For the proper selection and fitting instructions please ask our Technical Department for further information and guidelines.

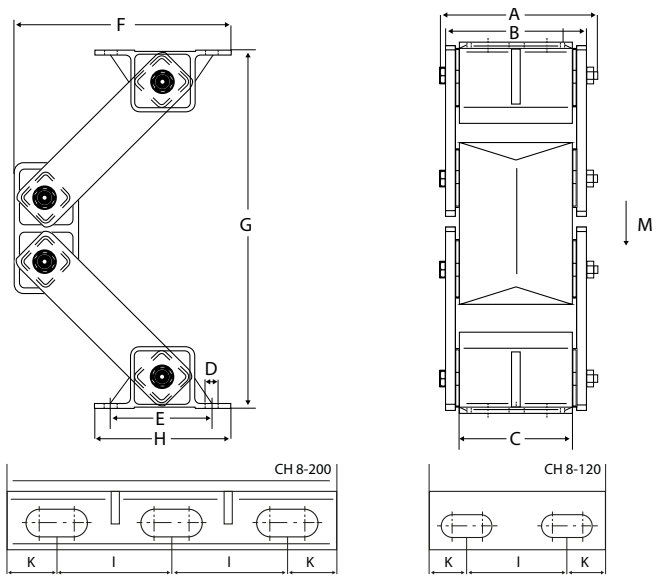
The rubber suspension units, Type DH, can also be used for many other applications.

Type	A	B	C	ØD	⍁E	F	G	H	L	M	F_n	n_e	Weight (kg)
DH4-50R	40	36	12	6	24	25	50	58	55	M12R	380	1250	0.200
DH4-50L	40	36	12	6	24	25	50	58	55	M12L	380	1250	0.200
DH5-60R	55	52	20	8	30	35	60	81	65	M16R	960	1200	0.520
DH5-60L	55	52	20	8	30	35	60	81	65	M16L	960	1200	0.520
DH6-80R	80	72	25	10	40	52	80	115	90	M20R	1900	780	0.980
DH6-80L	80	72	25	10	40	52	80	115	90	M20L	1900	780	0.980
DH7-100R	90	90	35	12	50	55	100	135	110	M24R	3400	750	2.650
DH7-100L	90	90	35	12	50	55	100	135	110	M24L	3400	750	2.650
DH8-120R	100	94	40	M12X30	60	64	120	147	130	M36R	5800	580	6.300
DH8-120L	100	94	40	M12X30	60	64	120	147	130	M36L	5800	580	6.300
DH9-200R	120	120	45	M16X25	80	75	200	180	210	M42R	11500	330	17.700
DH9-200L	120	120	45	M16X25	80	75	200	180	210	M42L	11500	330	17.700
DH9-300R	120	120	45	M16X25	80	75	300	180	310	M42R	17500	300	26.500
DH9-300L	120	120	45	M16X25	80	75	300	180	310	M42L	17500	300	26.500

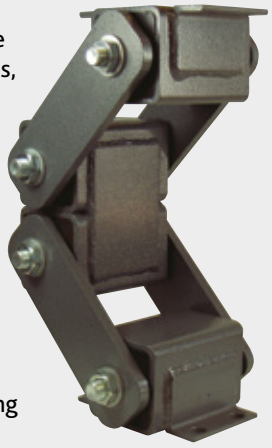
Oscillating Mounting Type CH

RESATEC

Oscillating Mounting



TYPE CH



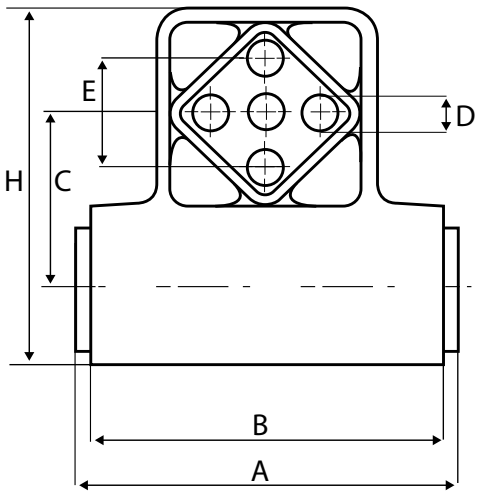
The RESATEC® Oscillating Mountings Type CH are the ideal suspension for screens, sorters, conveyors and cleaners. Due to low frequency an insulation against vibration and noise transmission through the foundation is possible. As a result of the low frequency and the sturdy construction of the element, bouncing and wobbling during the starting and stopping period is dramatically reduced. Due to the very high service life of the element, down time and maintenance costs are also drastically reduced. The elements can be used in temperatures from -42°C up to +85°C. Single units can be replaced.

Type	A	B	C	D	E	F	G	G max.	H	H min.	J	Load min. in N	Weight (kg)	Frq.Ø in Hz
CH 6	138	117	65	13	100	40	180	205	290	190	120	50-1400	6.9	2.8
CH 7	168	142	80	13	115	48	201	225	335	235	135	1100-3000	13.5	2.6
CH8-120	195	164	100	17	130	60	224	260	360	250	160	2400-6500	20.5	2.2
CH8-200	268	234	100	17	130	70	225	260	360	250	170	4500-10000	28.5	2.2

Universal Oscillating Unit Type CE

RESATEC

Universal Oscillating Mounting



TYPE CE



The RESATEC® Universal Oscillating Units are suitable for rotations screens with eccentric drives or free hanging screens, with unbalanced motor drives. The connecting rods between units are usually produced by the screen manufacturer. The mounting flanges for the units can be made upon request.

Type	A	B	C	ØD	E	H	Load G in N	RPM n_e ±5°	Weight (kg)
CE-S 3-60	65	60	27	5	10	54	150	1150	0.45
CE-A 4-80	85	80	32	6	12	64	300	800	0.60
CE-A 5-100	105	100	45	8	20	90	750	780	1.25
CE-A 6-120	130	120	60	10	25	120	1500	780	3.60
CE-S 7-150	160	150	72	12	35	144	2800	580	4.40
CE-S 8-200	210	200	78	M12x50	40	158	5500	400	13.20
CE-S 9-300	310	300	100	M16x50	45	200	9500	320	30.50
CE-S 11-300	310	300	136	M20x60	60	272	13500	145	59.00
CE-S 11-350	360	350	136	M20x60	60	272	15800	145	66.00
CE-S 11-400	410	400	136	M20x60	60	272	18000	145	72.00
CE-S 12-400	410	400	170	M24x80	75	340	28000	110	125.00
CE-S 12-500	510	500	170	M24x80	75	340	36000	100	149.50

Oscillating Mounting Type DB and TB

RESATEC

Oscillating Mounting



TYPE DB/DB-F AND TB/TB-F

The RESATEC® Oscillating-Mountings Type DB and TB are used for shaker conveyors, sorters, screens and cleaners with eccentric drives. They are the flexible, maintenance-free connections for the one or two mass systems.

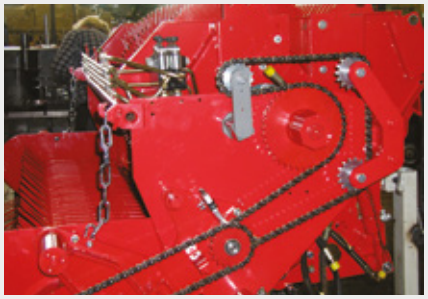
The Types DB and TB are produced with a fixed element center-distance. (The Types 0M are used for adjustable rocker-arms in small quantities.) Both Types DB and TB are produced in welded Steel or for larger quantities, in cast Aluminium. If required, the Types DB-F and TB-F can be made with flanges.

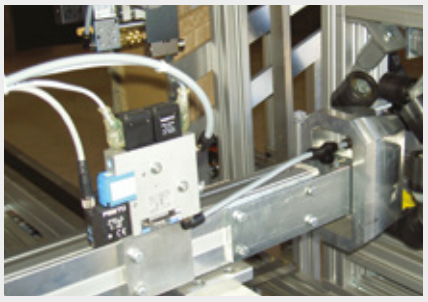
Most RESATEC® Oscillating-Mountings are specially built for customers and as such can be produced according to your specific requirements.

Universal Tensioner Series TE-FB

RESATEC

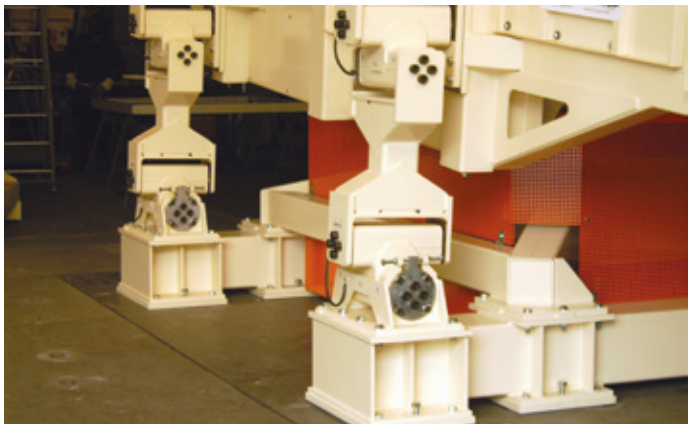
Example applications for a Universal Tensioner Type TE

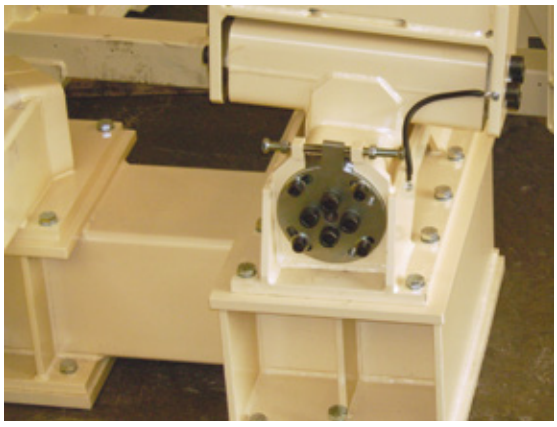







Universal Oscillating Unit Type CEE

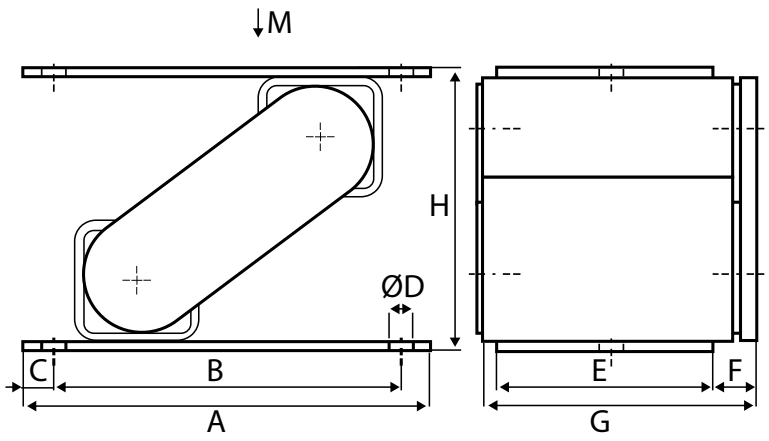

Example application Oscillating Unit Type CE


Universal Oscillating Unit on a gyratory sifter

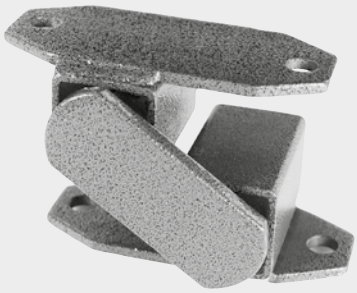
Anti-Vibration-Damper Type DVM

RESATEC

Anti-Vibration-Damper

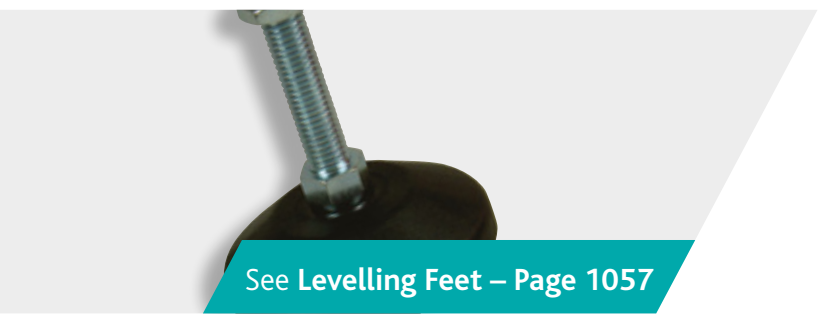


TYPE DVM



The RESATEC® Anti-Vibration-Dampers Type DVM are suitable for active and passive isolation in all sectors of engineering.
They can be used under pressure, tension and sideways as a buffer or stopper.
The RESATEC® Anti-Vibration-Dampers Type DVM are maintenance-free and safe in any position.

Type	A	B	C	ØD	E	F	G	H	H min.	Load min. in N	Weight (kg)	Frq.Ø in Hz
DVM3	85	65	10	7.2	30	14	50	56	40	-400	0.430	7-11
DVM4	100	80	10	9.2	40	15	61	67	46	300-1250	0.690	7-10
DVM5	130	110	15	11	50	15	72	92	65	900-2100	1.640	6-8
DVM6	170	140	15	14	80	23.5	116	118	85	1500-3600	3.600	5-7
DVM7	On request									3000-6000		4-5
DVM8	On request									5300-9200		4-5

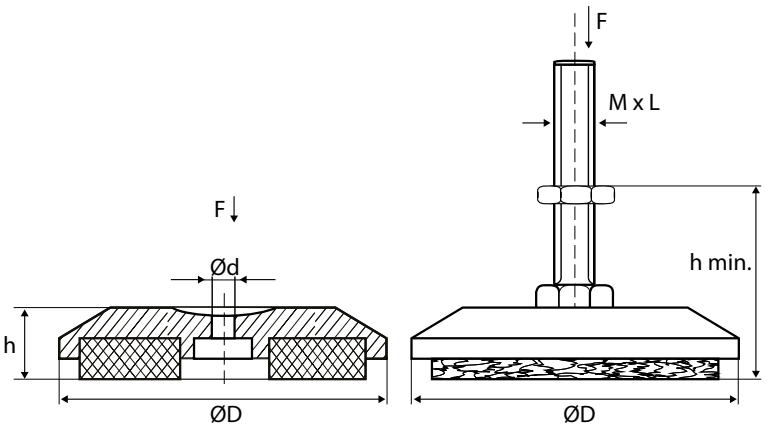


See **Levelling Feet – Page 1057**

Anti-Vibration-Mounting Type G1/GN1& Type G2/GN2

RESATEC

Anti-Vibration-Mounting



TYPE G1/GN1 and TYPE G2/GN2



Type G 1/GN

Type	M x L	ØD	Ød	H min.	h	F max. (kg)	Weight (kg)
G1-80	-	80	6	-	18	250	0.13
G1-130	-	130	6	-	22	800	0.47
GN1-80	M12 x 80	80	6	30	18	250	0.21
GN1-80	M16 x120	80	6	34	18	250	0.35
GN1-130	M20 x120	130	6	43	22	800	0.81

The RESATEC® Anti-Vibration-Mounting Type G1/GN1 is made of an Aluminium cast and covered with a Sylomer-anti-vibration and noise limiting plate. The additional levelling system has a Zinc plated bolt that is connected to the cover and free from rotation. The system can take up to a 5° angle in base correction. The types G1/GN1 have a natural frequency of 15-25 Hz within the recommended loading range.

Applications
Anti-Vibration and noise dampening suspensions for: ventilators, air conditioners, conveying and handling systems, household appliances, pumps, compressors etc.

Type G 2/GN

Type	M x L	ØD	Ød	H min.	h	F max. (kg)	Weight (kg)
G2-80	-	80	6	-	16	500	0.13
G2-130	-	130	6	-	20	1600	0.48
GN2-80	M12 x 80	80	6	30	16	500	0.22
GN2-80	M16 x120	80	6	34	16	500	0.35
GN2-130	M20 x120	130	6	43	20	1600	0.84

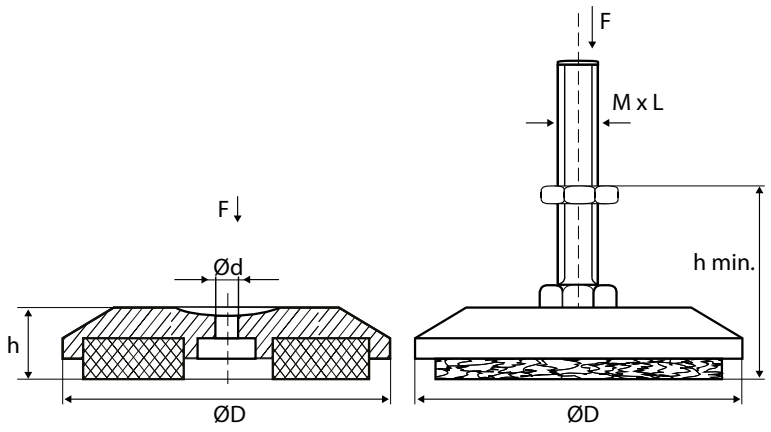
The RESATEC® Anti-Vibration-Mounting Type G2/GN2 is made of an Aluminium cast and covered with a self adhesive isolation plate. The additional levelling system has a Zinc plated bolt that is connected to the cover and free from rotation. The system can take up to a 5° angle in base correction. The types G2/GN2 have a natural frequency of 30-40 Hz within the recommended loading range.

Applications
Anti-Vibration and noise dampening suspensions with high stability for: ventilators, assembly units, textile and other machines.

Anti-Vibration-Mounting Type K1/KN1 & Type K2/KN2

RESATEC

Anti-Vibration-Mounting



TYPE K1/KN1 & TYPE K2/KN2


K1/KN1


K2/KN2

Type K1/KN1

Type	M X L	ØD	Ød	H min.	h	F max. (kg)	Weight (kg)
K1-80	-	80	6	-	18	1000	0.19
K1-130	-	130	6	-	22	2500	0.65
K1-170	-	170	-	-	30	7000	3.30
KN1-80	M16 x 120	80	6	34	18	1000	0.40
KN1-130	M20 x 120	130	6	41	22	2500	1.00

The RESATEC® Anti-Vibration-Mounting Type K1/KN 1 is made of an Aluminium cast cover (Type K1-170 spheroidal graphite Cast Iron) with a Stainless Steel wire cushion. The additional levelling system has a Zinc plated bolt that is connected to the cover and free from rotation. The system can take up to 5° angle of base correction.

The types K1/KN1 have a natural frequency of 20-25 Hz with in the recommended loading range.

Applications
Anti-vibration and noise dampening suspensions with high stability for drilling-milling and printing machines, hydraulic presses etc.

Type K2/KN2

Type	M X L	ØD	Ød	H min.	h	F max. (kg)	Weight (kg)
K2-80	-	80	6	-	28	1000	0.27
K2-130	-	130	6	-	32	2500	0.92
K2-170	-	170	-	-	40	7000	3.72
KN2-80	M16 x 120	80	6	44	28	1000	0.48
KN2-130	M20 x 120	130	6	51	32	2500	1.30

The RESATEC® Anti-Vibration-Mounting Type K2/KN2 is made of an Aluminium cast cover (Type K2-170 spheroidal graphite Cast Iron) with a Stainless Steel wire cushion. The additional levelling system has a Zinc plated bolt that is connected to the cover and free from rotation. The system can take up to a 5° angle of base correction.

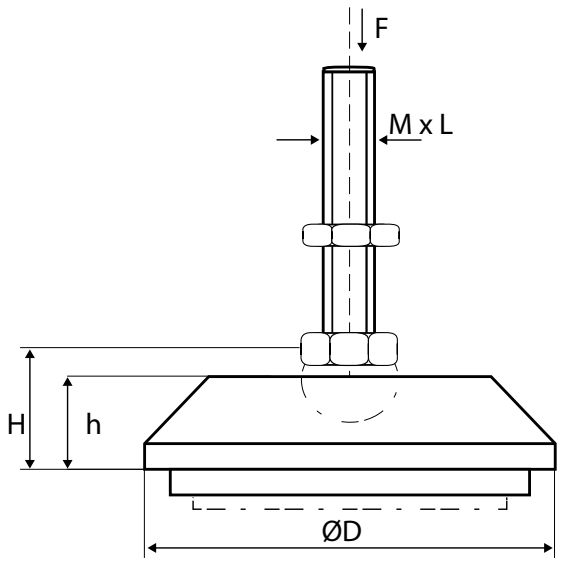
The types K2/KN2 have a natural frequency of 15-25 Hz within the recommended loading range.

Applications
Elastic suspension with high demand of clamping efficiency for grinding, honing, pressing, folding machines, transformers etc.

Levelling Foot Type VP/IP (inox)

RESATEC

Levelling Foot



TYPE VP/IP (inox)



- Foot PA black fibre-reiniforced
- Bolt Stainless Steel with free-turning ball-joint
- Can be supplied with levelling nut
- Noise vibration-limiting with levelling nut

Type VP

Type	ØD	H	h	M X L	F max. (kg)	Weight (kg)
VP-50M10x30	50	35	20	M10x30	400	0.07
VP-50M10x60	50	35	20	M10x60	400	0.08
VP-50M12x65	50	35	20	M12x65	500	0.10
VP-50M16x70	50	37	20	M16x70	600	0.15
VP-50M16x120	50	37	20	M16x120	600	0.22
VP-60M10x60	60	35	20	M10x60	400	0.07
VP-60M12x65	60	35	20	M12x65	500	0.10
VP-60M16x70	60	37	20	M16x70	600	0.16
VP-60M16x120	60	37	20	M16x120	600	0.23
VP-80M12x65	80	35	20	M12x65	800	0.11
VP-80M16x70	80	37	20	M16x70	800	0.17
VP-80M16x120	80	37	20	M16x120	800	0.24
VP-80M20x120	80	37	20	M20x120	800	0.34
VP-100M16x70	100	37	20	M16x70	800	0.19
VP-100M16x120	100	37	20	M16x120	800	0.26
VP-100M20x120	100	37	20	M20x120	800	0.36

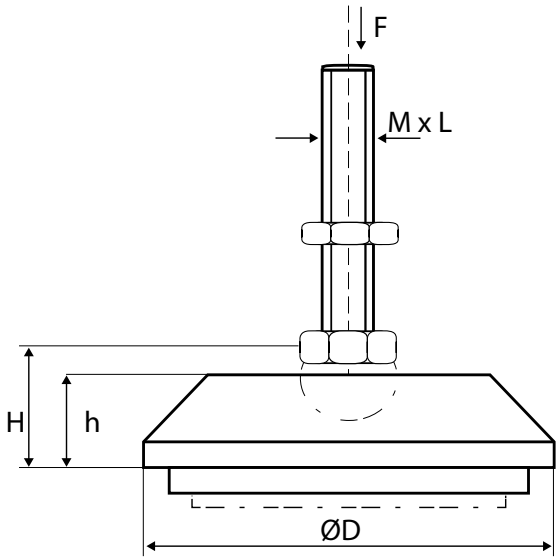
Type IP

Type	ØD	H	h	M X L	F max. (kg)	Weight (kg)
IP-50 M10x60	50	35	20	M10x60	400	0.08
IP-50M12x65	50	35	20	M12x65	500	0.10
IP-50M16x70	50	37	20	M16x70	600	0.15
IP-50M16x120	50	37	20	M16x120	600	0.22
IP-60M10x60	60	35	20	M10x60	400	0.07
IP-60M12x65	60	35	20	M12x65	500	0.11
P-60M16x70	60	37	20	M16x70	600	0.16
IP-60M16x120	60	37	20	M16x120	600	0.23
IP-80M12x65	80	35	20	M12x65	800	0.12
IP-80M16x70	80	37	20	M16x70	800	0.17
IP-80M16x120	80	37	20	M16x120	800	0.24
IP-80M20x120	80	37	20	M20x120	800	0.34
IP-100M16x70	100	37	20	M16x70	800	0.19
IP-100M16x120	100	37	20	M16x120	800	0.25
IP-100M20x120	100	37	20	M20x120	800	0.36

Levelling Foot Type KP

RESATEC

Levelling Foot



TYPE KP



- Foot PA black fibre-reiniforced bolt with free-turning ball joint
- Can be supplied with levelling nut
- Noise vibration-limiting with levelling nut

Type	ØD	H	h	M X L	F max. (kg)	Weight (kg)
KP-50M16x70	50	39	20	M16x70	400	0.04
KP-60M16x70	60	39	20	M16x70	400	0.05
KP-60M20x70	60	39	20	M 20x70	400	0.06
KP-60M20x120	60	39	20	M20x120	400	0.08
KP-80M16x70	80	39	20	M16x70	600	0.06
KP-80M20x70	80	39	20	M20x70	600	0.07
KP-80M20x120	80	39	20	M20x120	600	0.09
KP-100M16x70	100	39	20	M16x70	600	0.08
KP-100M20x70	100	39	20	M20x70	600	0.09
KP-100M20x120	100	39	20	M20x120	600	0.11

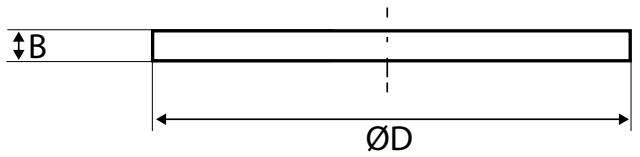


See **Renold Gearboxes – Page 815**

Noise and Vibration-Limiting Plate

RESATEC

Noise and Vibration-Limiting Plate



TYPE NBR/PUR

- Ribbed Plate
- Noise Limiting
- Slide Resistant





Type NBR

Type	ØD	B	Suitable for type	Weight (Kg)
NBR 50	44	6	VP, IP, KP	0.01
NBR 60	54	6	VP, IP, KP	0.02
NBR 80	74	6	VP, IP, KP	0.03
NBR 100	94	6	VP, IP,KP	0.05

- Vibration-limiting

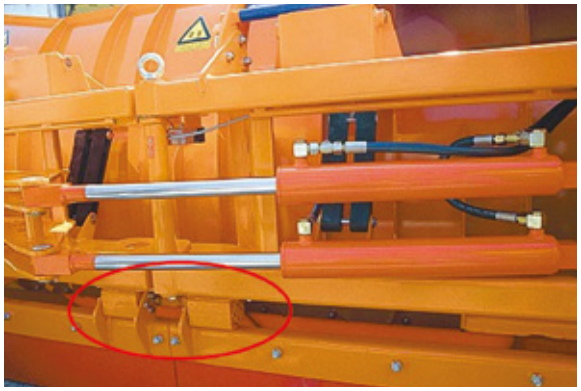
Type PUR

Type	ØD	B	Suitable for type	Weight (Kg)
PUR 50	44	3.5	VP, IP, KP	0.01
PUR 60	54	3.5	VP, IP, KP	0.01
PUR 80	74	3.5	VP, IP, KP	0.02
PUR 100	94	3.5	VP, IP, KP	0.02

- Suitable for food processing

Example Applications

RESATEC



Wiper suspension on a snowplough



Oscillating unit on dewatering screen



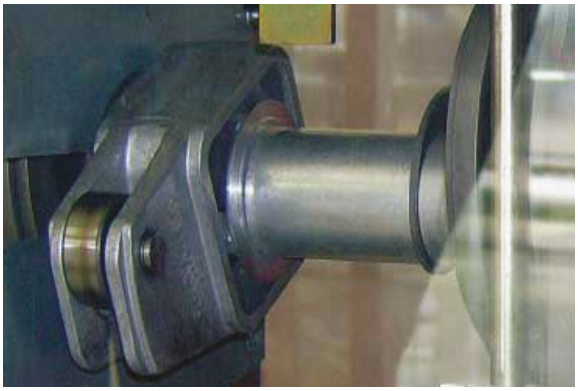
Single deck vibrating feeder with OM elements



Vibrating element on pumpkin screen harvester



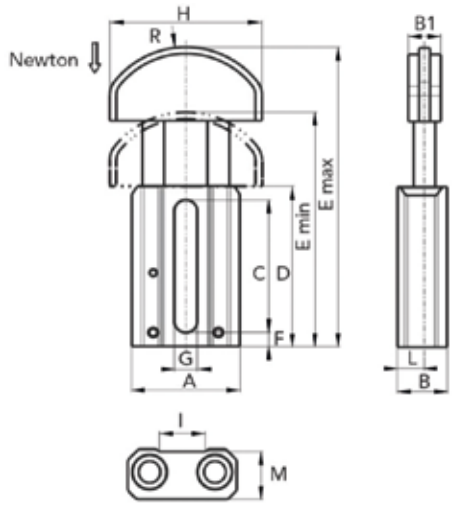
Oscillating mounting on a twin-deck screen



Stop on circuit breaker

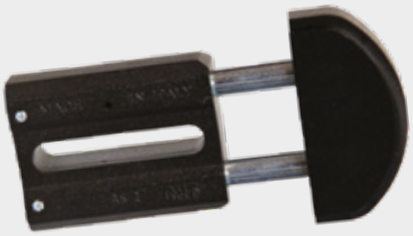
CTC Twin Column Chain Tensioners

Twin Column Chain Tensioner



TYPE CTC/ASGE

CTC Twin Column Chain Tensioners are mechanical devices to maintain the correct tension in a chain drive and thus increase its life. In automatically compensating for chain stretch the CTC Automatic Chain Tensioner also considerably reduces drive vibration and noise. The CTC Automatic Chain tensioner is truly 'fit & forget' enabling high drive reliability and very low maintenance costs. The tensioning head increases the contact surface area, whilst the low drag, low wear profile is made of Ultra High Molecular Weight Polyethylene.
Dry self-lubricating bushings are in standard PTFE.



Type	Load max. N	Chain pitch	A	B	B1	C	D	E		F	G	H	I	L	M	R	Weight Kg
								min	max								
CTC1-06B1	280	3/8" x 7/32"	50	23	20	61	74	114	138	6.5	10.5	68	20	12.5	22	42	0.24
CTC1-08B1	280	1/2" x 5/16"	50	23	20	61	74	114	138	6.5	10.5	68	20	12.5	22	42	0.24
CTC1-10B1	280	5/8" x 3/8"	50	23	20	61	74	114	138	6.5	10.5	68	20	12.5	22	42	0.24
CTC2-10B1	460	5/8" x 3/8"	67	28	20	73	87	138	170	7	12.5	88	25	15	25.5	54	0.44
CTC2-12B1	460	3/4" x 7/16"	67	28	20	73	87	138	170	7	12.5	88	25	15	25.5	54	0.45
CTC2-16B1	460	1 x 17mm	67	28	25	73	87	138	170	7	12.5	88	25	15	25.5	54	0.46

- Stainless Steel (AISI304) models are available upon request.


See Chain section – Page 501

VERSATILE INJECTION
MOULDING SERVICES

TRANSMOULD



TRANSFORM YOUR PROJECTS

TransDev Plastics is the economical, easy and flexible injection moulding service.

Technology and expertise

- State of the art machinery
- 3D CAD modelling
- Expert sales and engineering contacts
- In-house design
- Manufactured in the UK

Rapid prototyping and production

- CAD to prototyping
- Testing to tooling
- Production to delivery

Injection moulding services

- Contract moulding
- Modular tooling

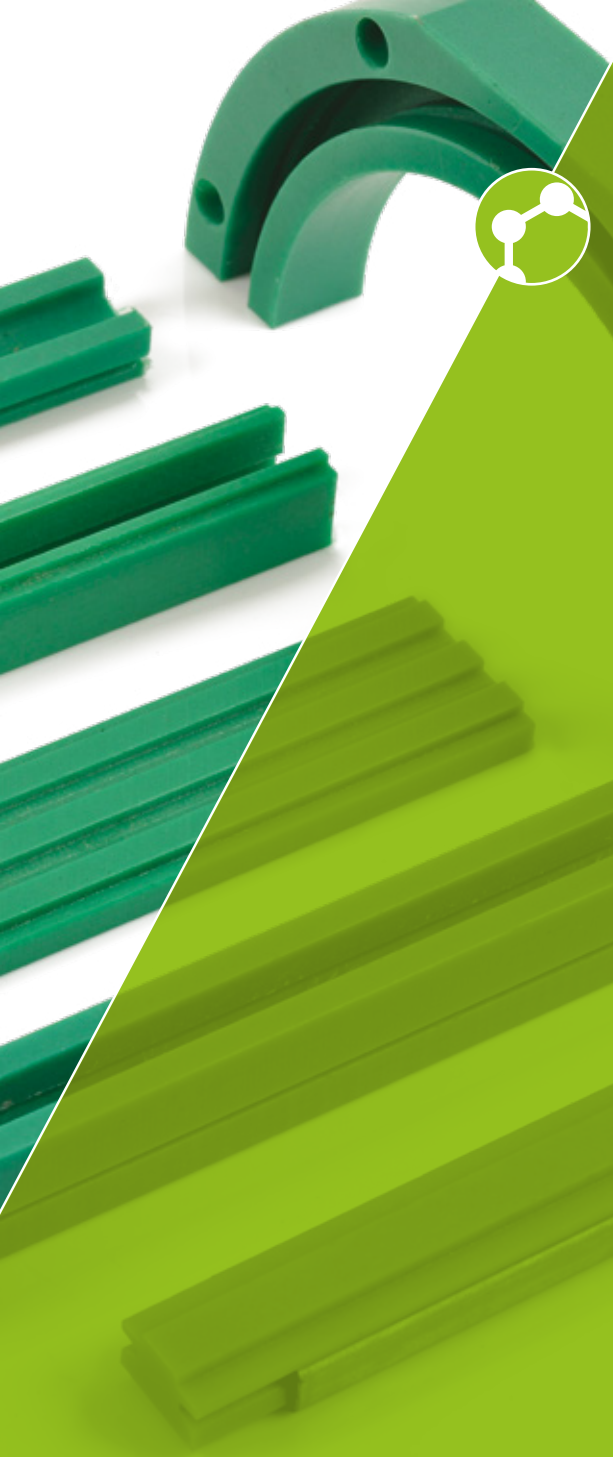


Perfectly matched to your requirements



BELTS
PULLEYS
CHAIN
SPROCKETS
GEARS
BEARINGS
LINEAR
HARDWARE
PLASTICS

TransDev PLASTICS



PLASTICS

Introduction 1064

Transplas Plastic Guide Rails & Extrusions . . . 1067

Profiles Introduction 1068
Profile Materials 1069
Plastic Extrusions - Stock Range 1070
Plastic Extrusions - Custom Profiles 1071
Peeled Wear Strips & Metal C-Profiles 1072
C and L Guide Strips 1073
Glide Strips 1074
Vee Belt Guides 1074
Flat and Timing Belt Guides 1075
Round Belt Guides 1076
Chain Guides 1077
Fixing Information (Thermal Expansion) 1082

Semi Finished Engineering Plastics 1083

Available Sheet Sizes 1084
Available Rod Sizes 1085
Technical Data 1086
U.H.M.W. Pe Properties 1087

Display Plastics 1089

Policril Acrylic Overview 1090
Policril Standard Cast Acrylic Sheet 1091
Policril Special Cast Acrylic Sheet 1091
Perspex Cast Acrylic Sheet 1092
Policril XT Extruded Acrylic Sheet 1094
Perspex Extruded Acrylic Sheet 1094
Polycarbonate Sheet 1095
PETG Sheet 1095
Foamed PVC Sheet 1096
Iribond Aluminium Composite Sheet 1097
Alupanel Aluminium Composite Sheet 1098

Material Characteristics 1099



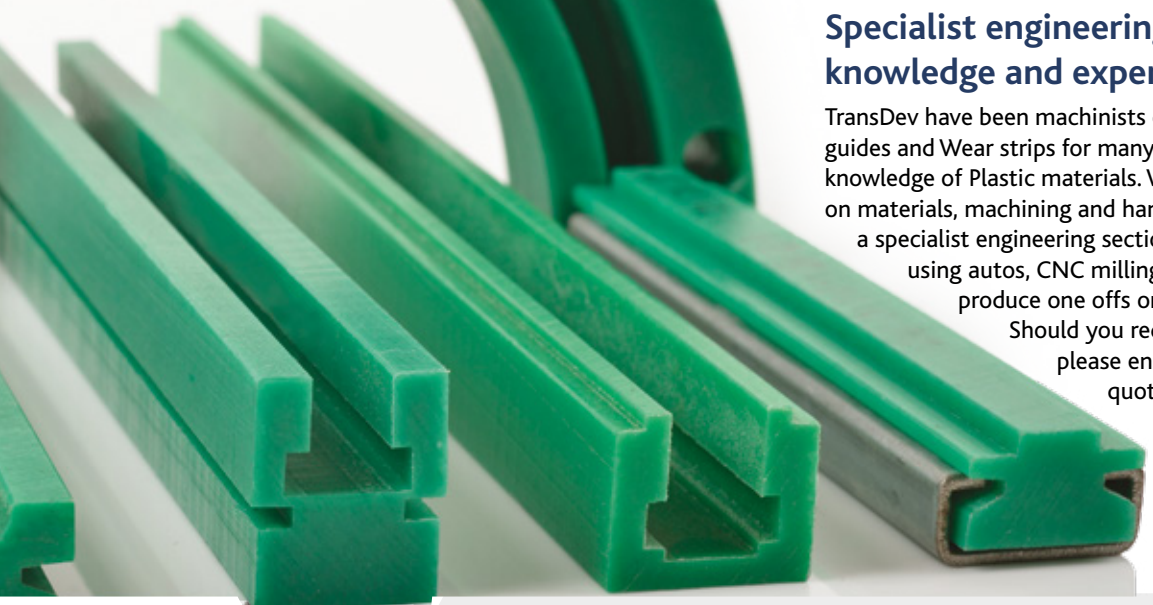
TransDev Plastics

COMPELLING VALUE QUALITY & SERVICE

We have been stocking, distributing, cutting and machining plastics on site in our extensive Poole facility for over 35 years



Custom Plastics machining



Transdev Plastics

Originally created to machine components from sheet U.H.M.W. Pe and TransDev Plastics is now a major supplier nationwide of such items as Chain and Belt Guides, bespoke machined parts as well as engineering and display Plastics.

With our experience of Plastics, stocking/distribution and our reputation for good service, you can depend on TransDev Plastics for all your semi-finished engineering Plastics, display Plastics or machined component requirements.

Specialist engineering combined with knowledge and expertise

TransDev have been machinists of Belt guides, Chain guides and Wear strips for many years and have extensive knowledge of Plastic materials. We are able to give assistance on materials, machining and handling. In addition we have a specialist engineering section for milling and turning, using autos, CNC milling, and routing. We can produce one offs or large batches.

Should you require a finished product, please enquire for a competitive quotation and service.



Transmould - economical and flexible injection moulding

Transmould, TransDev's versatile injection moulding service is perfectly matched to your requirements. As well as injection moulding a range of pulleys, gears and belt profiles, TransDev moulds products for a wide range of industries.

Visit transdev.co.uk to find out more







Our Plastics Range

- Machined stock shapes including: Chain guides, Belt guides and Metal support profiles
- Machining of plastic signage, machine guarding, POS and architectural elements etc.
- Cut to size service available
- Engineering Plastics in a range of materials and finishes
- Extensive multi-product plastic sheet stock holding
- Trade counter & collection point
- Next-day delivery service if required

In addition to machining of plastics, TransDev also offers;

Transplas machined stock shapes



Covering primarily Polyethylene Wear Strip materials, TransDev provide one of the largest range of extruded profiles in Europe. We hold a vast selection of profiles in stock and can supply to your particular requirements.

A range of standard belt guide profiles is avaialable for Flat, Round and Vee belts and we can machine all the standard profiles for chain for our extensive stock range. Our in-house chain experts help us to meet special design requirements for Chain guides.

Engineering plastic stock range



Covering semi-finished rod and sheet materials; We offer a range of materials including: Polyethylene, Nylons, Acetal, and PTFE and in a wide range of thicknesses, colours and finishes. These can be cut, shaped and machined to your required specifications using our in-house facilities.

Our Team will help you specify exactly the right material for your design requirements.

Display plastic stock range



TransDev offers a complete display plastic range for the sign and print industry including: Acrylic sheets, Polycarbonate, PETG, Foamed PVC and Aluminium composite.

We are an Authorised Policril Distributor. Policril is manufactured by Irpen S.A.U. one of Europe's leading manufacturers of Cast Acrylic Sheet. With manufacturing plants in Spain, Irpen has invested heavily to develop a portfolio of colours and finishes of infinite variety, to suit many applications. Policril is manufactured to Quality Standard ISO 9001:2008 and Environmental standard ISO 14001:2004.

BRECO® TIMING BELTS

IDEAL FOR BIG APPLICATIONS AND SMALL SPACES

BRECO® Flat Belts combine highly-flexible steel cords of a high tensile strength, embedded in wear resistant polyurethane.

They are maintenance-free, low noise and save space and costs compared to chains and cable tension systems.

Performance

- Highly flexible
- Constant length
- Low noise
- Resistant against
- Simple oils, fats and petrol

Application

- Foodstuff sector
- Fitness machines
- Lifting tables and elevator systems
- Car wash stations
- Low temperature range from -30°C to +5°C
- High temperature range from +20°C to +110°C
- Use in low aggressive environment

Compatibility

- Space saving
- Alternative to chain and cable tension systems



BRECO® *Keeps You Moving*



For **BRECO® FLAT BELTS** see page 169

BELTS PULLEYS CHAIN SPROCKETS GEARS BEARINGS LINEAR HARDWARE PLASTICS

TransDev® THE POWER IN MOTION

TRANSPLAS

Plastic Guide Rails & Extrusions



- EXTRUDED PROFILES
- BELT & CHAIN GUIDES
- MACHINING AND MOULDING OF SPECIAL TYPES OF PROFILES
- SCROLLS/FEEDWORMS
- CORNER BENDS & STARWHEELS

TRANSPLAS PLASTIC GUIDE RAILS & EXTRUSIONS
Profiles Introduction



TRANSPLAS

- Extruded profiles
- Belt guides
- Chain guides
- Special profiles
- Scrolls/Feedworms
- Corner bends and starwheels

Extruded profiles

TransDev Plastics have one of the largest ranges of extruded profiles in Europe. We hold a vast range of extruded profiles in stock and can supply to your particular requirements.

Belt guides

TransDev machine a range of standard profiles for Flat, Round and Vee belts. We also machine special types of belt guides.

Working closely with our Technical Belt Team we can service your design requirements.



Chain guides

TransDev machine all the standard profiles for chain for our extensive stock range. Our Chain Division supplies standard chains as well as manufacturing "special" chains with attachments and work closely with TransDev Plastics to meet special design requirements for Chain guides.



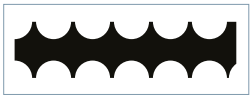
Machining and moulding of special types of profiles

Our machining capabilities have expanded due to our success; we machine a vast range of special profiles to our customers' requirements, not just the standard types of profiles.

Scrolls/Feedworms

TransDev also make Scrolls to customers' individual requirements. Currently we supply scrolls to a maximum diameter of 200mm and 1200mm long, dependent on material and scroll form.

We cater for most types of bottle shapes and are producing more specialised types to turn bottles from 90° to any desired degree. Scrolls can be manufactured with metal timing collars/pulleys, bearings' shaft ends/stubs. Scrolls generally have a parallel root with a lead in or out taper. We are also able to manufacture any type of pitch, ie. hesitant, accelerating or constant. This manufacturing flexibility also allows us to produce bottle top invertors to requirement.



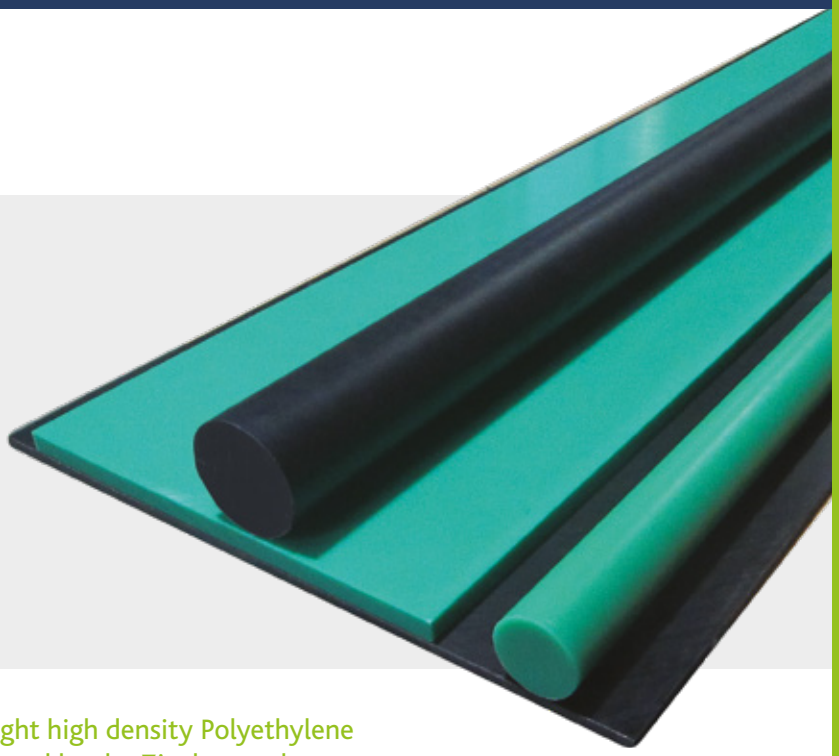
Corner bends and starwheels

TransDev manufacture corner wear bends and Starwheels to customers' requirements using the latest CNC routers. We can make wear bends to suit tab, bevel or standard Roller Chain. Our Technical Department would be pleased to answer any questions you may have.





TRANSPLAS



Standard version:

- Excellent wear resistance
- Very high ultimate tensile strength
- Will not crack, splinter or delaminate
- High notched impact strength
- Energy absorption at high stress rates
- Very low coefficent of friction
- Exceptional chemical resistance
- Nil moisture absorption

U.H.M.W. Pe is an ultra high molecular weight high density Polyethylene with a high degree of polymerisation, prepared by the Ziegler catalysts.

The molecular weight of U.M.H.W. Pe lies between 4-6 million; the molecular weight is determind by the light scattering of the polymer. With U.H.M.W. Pe a number of technically important properties are obtained as the molecular weight increases.

U.H.M.W. Pe 1000 (Virgin Grade)

U.H.M.W. Pe 1000 (Virgin Grade) is safe with food and is widely used in the food, dairy, cosmetics and packaging industries for the manufacture of Chain Guides, Belt Guides, Slide Strips, Wear Strips, Rollers, Bearing Bushes, Starwheels, Scrolls, etc.

U.H.M.W. Pe 1000R green and black

U.H.M.W. Pe 1000R green and black has all the properties of 1000 (virgin grade), except for a slightly lower notched impact strength and ball indentation hardness. U.H.M.W. Pe 1000R is primarily used for applications where outstanding abrasion resistance, superb anti-friction and mechanical properties are required at an economic price.

TransPlas has a range of Polyethylene for all sorts of applications where the polymer can have an additive applied at time of manufacture, ie. Glass, Ceramic, Carbon, etc.

A Glass and Ceramic additive improves the wear-resistance compared with 1000 grade by 150-250%. A Carbon additive gives anti-static properties.

U.H.M.W. Pe 1000

U.H.M.W. Pe 1000 has a very low coefficient of friction 0.05 wet, 0.10 dry.

U.H.M.W. Pe 1000 has a thermal linear expansion of approximately 2mm per 10°C per 1000mm; this does increase as the temperature rises. These figures quoted are a rule of thumb. Care must be taken when there are high tolerances, with varying high temperatures. It is recommended to leave expansion gaps in such cases, ie. for Chain Guides and Wear Strips, etc.

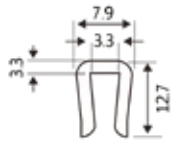
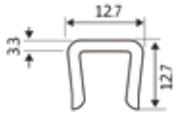
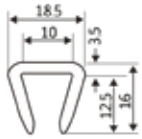
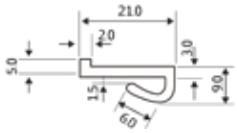
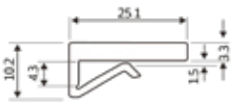
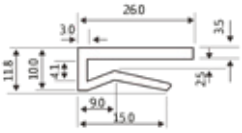
Other materials

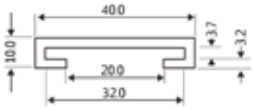
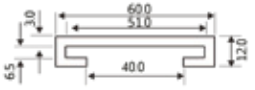
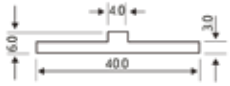
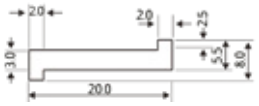
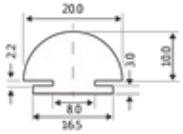
TransPlas can also supply 500 grade high molecular weight Polyethylene (H.M.W.Pe), PVC, special types of Nylons, PTFE, etc. finished or semi-finished.

For more information on U.H.M.W. Pe 1000 see page1087.

Stock Range

TRANSPLAS

Profile	Product code	Description	Length	Colour
	TP1	3mm snap on	152 metre coil	White
	TP2	6.4mm snap on	152 metre coil	White
	TP3	10mm snap on	152 metre coil	White
	TP4	3mm clip on	50 metre coil	Black/ Green
	TP5	3mm snap on	152 metre coil	White
	TP6	4mm snap on	50 metre coil	Green/ Natural
	TP7	3mm clip on	3 metre length	White

Profile	Product code	Description	Length	Colour
	TP8	`C` profile for flat 30 x 3	3 metre length	Green
	TP9	`C` profile for flat 50 x 6	3 metre length	Black/ Green
	TP10	step profile	50 metre coil	Green
	TP11	`Z` profile	50 metre coil	Green
	TP12	clip on for 10mm bar	152 metre coil	White
	TP13	clip on for 12mm bar	152 metre coil	White
	TP14	mushroom profile	3 metre length	Green

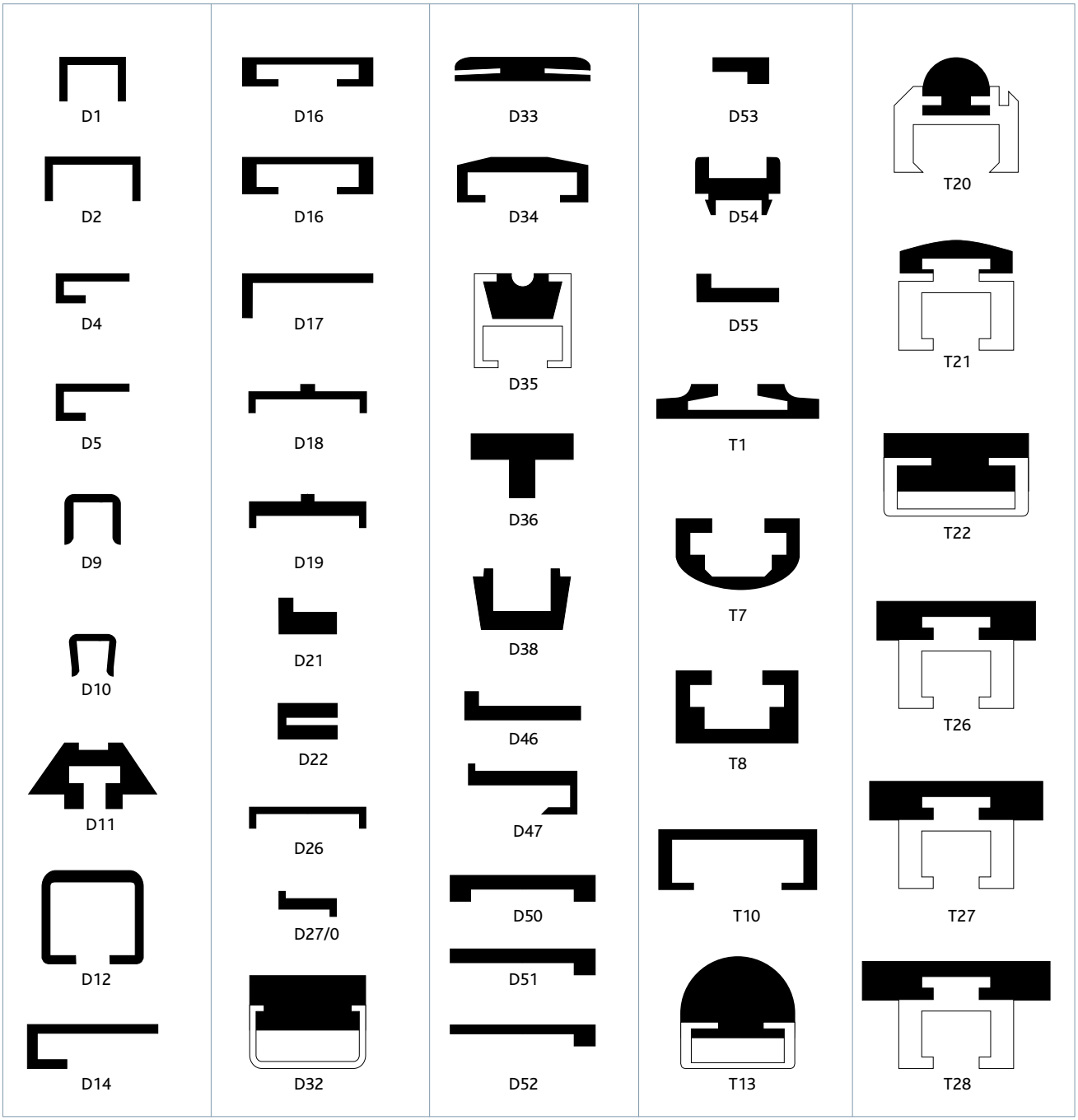
- Part lengths and coils available.
- Other profiles available on request.



See **Fixing Information – Page 1082**

Custom Profiles

TRANSPLAS



- Examples of profiles that can be produced in our dedicated Plastic Machine Shop in 2 and 3 metre lengths.
- Please contact the Plastics Sales team on 01202 670567 with your dimensions and requirement.

Peeled Wear Strip & Metal C-Profiles

Transplas Peeled Wear Strip

TRANSPLAS

Wear Strip PE 1000R Green - sizes

15 x 3mm 15 x 5mm 15 x 6mm	20 x 3mm 20 x 5mm	25 x 3mm 25 x 5mm	30 x 3mm 30 x 5mm	35 x 3mm 35 x 5mm	40 x 3mm	45 x 3mm	50 x 3mm 50 x 5mm	60 x 3mm 60 x 5mm	70 x 3mm 70 x 5mm	75 x 3mm 80 x 3mm

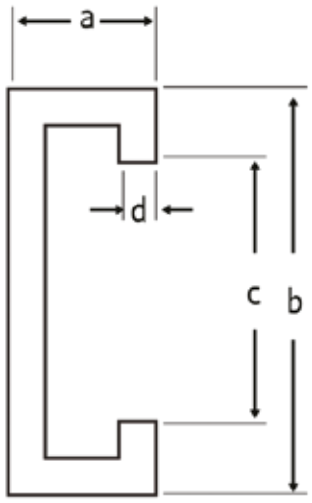
- Standard coil lengths: 3mm = 54m/80m 5mm = 32m/48m 6mm = 40m
- These are approximate lengths. Shorter lengths are available – subject to a cutting charge.
- Larger range available cut from sheet 2000mm/3000mm long.

Metal C-Profiles

Galvanised and Stainless Steel

Stainless Steel according to DIN 1 . 4301

Type	Dimensions				Material
	a	b	c	d	
TDC 2452	5.2	24	17.5	1	Galvanised -
TDC 2010	10	20	10	1.5	Galvanised Stainless
TDC 2812	12	28	14	2	Galvanised Stainless
TDC 2816	16	28	14	2.5	Galvanised Stainless
TDC 3818	18	38	22	2.5	Galvanised Stainless
TDC 3024	24	30	20	1.5	Galvanised Stainless
TDC 4540	40	45	31	2	Galvanised Stainless
TDC 6020	20	60	36	2.5	Galvanised Stainless
TDC 6555*	55	65	40	3	Galvanised Stainless
TDC 2275	22	75	47	2.5	Galvanised Stainless
TDC 21100*	21	100	70	2.5	Galvanised Stainless
TDC 21125*	21	125	95	2.5	Galvanised Stainless



*Please contact TransDev Sales for availability.

- Standard lengths 2 metres and 3 metres.
- Other lengths up to 6 metres available on request.

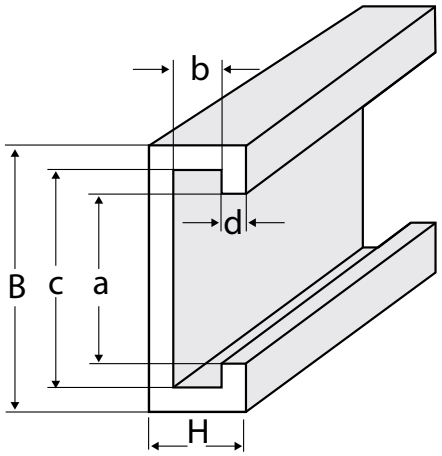
24hr Breakdown available | Customisable product | Product code builder | Compatible product

TRANSPLAS

C Guide Strip (U.H.M.W. Pe) Green

Type	Finished size					
	B	H	a	b	c	d
TDC TF C 30 x 3	40.0	10.0	20.0	3.5	30.5	3.0
TDC TF C 40 x 3/1	50.0	10.0	30.0	3.5	41.0	3.0
TDC TF C 40 x 3/2 B	50.0	14.0	30.0	3.0	41.0	2.7
TDC TF C 50 x 3/1	60.0	10.0	40.0	3.5	51.0	3.0
TDC TF C 50 x 3/2	60.0	12.0	40.0	3.5	51.0	2.5
TDC TF C 40 x 4	50.0	12.0	30.0	4.5	41.0	3.5
TDC TF C 50 x 4	60.0	12.0	40.0	4.5	51.0	3.5
TDC TF C 60 x 4	70.0	12.0	50.0	4.5	61.0	3.5
TDC TF C 50 x 6	60.0	12.0	40.0	6.5	51.0	3.0
TDC TF C 60 x 6	70.0	12.0	50.0	6.5	61.0	3.0
TDC TF C 80 x 6	90.0	15.0	70.0	6.5	81.0	4.0
TDC TF C 40 x 8	50.0	15.0	30.0	8.5	41.0	4.0
TDC TF C 50 x 8	60.0	15.0	40.0	8.5	51.0	4.0
TDC TF C 60 x 8	70.0	15.0	50.0	8.5	61.0	4.0
TDC TF C 80 x 8	90.0	18.0	70.0	8.5	81.0	4.5
TDC TF C 100 x 8	115.0	20.0	90.0	8.5	101.0	5.5

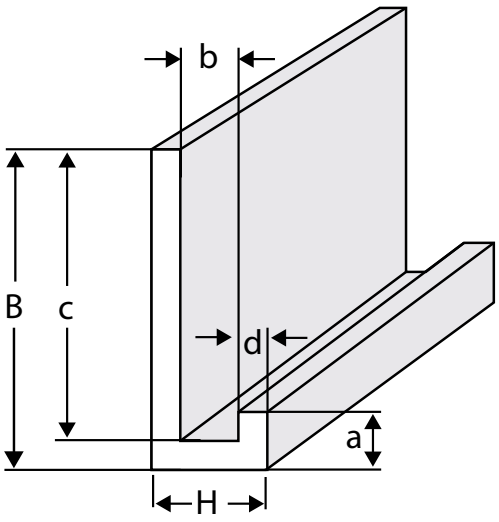
TF C TDC



L Guide Strip (U.H.M.W. Pe) Green

Type	Finished size					
	B	H	a	b	c	d
TDC TF L 30 x 3	35.0	10.0	10.0	3.5	31.0	3.5
TDC TF L 40 x 3	45.0	10.0	10.0	3.5	41.0	3.5
TDC TF L 40 x 5	45.0	14.0	10.0	5.5	42.0	2.5
TDC TF L 50 x 3	55.0	10.0	12.0	3.5	51.0	3.5
TDC TF L 40 x 4	45.0	12.0	12.0	4.5	41.0	3.5
TDC TF L 50 x 4	55.0	12.0	12.0	4.5	41.0	3.5
TDC TF L 60 x 4	65.0	12.0	12.0	4.5	61.0	3.5
TDC TF L 50 x 4	55.0	12.0	12.0	6.5	51.0	2.5
TDC TF L 60 x 6	65.0	14.0	15.0	6.5	61.0	3.8
TDC TF L 80 x 6	85.0	14.0	15.0	6.5	81.0	3.8
TDC TF L 40 x 8	45.0	16.0	15.0	8.5	41.0	3.0
TDC TF L 50 x 8	55.0	16.0	15.0	8.5	51.0	3.0
TDC TF L 60 x 8	65.0	16.0	15.0	8.5	61.0	3.8
TDC TF L 80 x 8	85.0	18.0	18.0	8.5	81.0	4.8
TDC TF L 100 x 8	105.0	20.0	20.0	8.5	101.0	5.7

TF L TDC



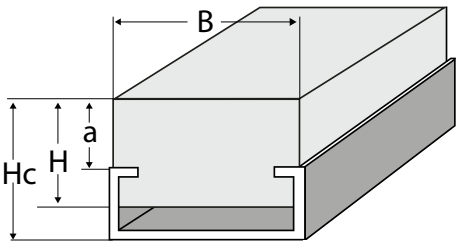
Glide Strips

TRANSPLAS

Glide Strips CF with C-section slots (U.H.M.W. Pe) Green

Type	Finished size				C-profile
	B	H	Hc	a	
TDC CF 1 H05 OC	20.0	5.0	6.0	0.8	TDC 2452
TDC CF 1 H10 OC	20.0	10.0	11.0	5.8	TDC 2452
TDC CF 3 H10 OC	20.0	10.0	14.0	4.0	TDC 2010
TDC CF 3 H15 OC	20.0	15.0	17.0	7.0	TDC 2010
TDC CF 3 H18 OC	20.0	18.0	20.0	10.0	TDC 2010
TDC CF 5 H10 OC	28.0	10.0	15.0	3.0	TDC 2812
TDC CF 5 H15 OC	28.0	15.0	18.0	6.0	TDC 2812
TDC CF 9 H12 OC	38.0	12.0	22.0	4.0	TDC 3818
TDC CF 9 H20 OC	38.0	20.0	25.0	7.0	TDC 3818
TDC CF 12 H20 OC	60.0	20.0	30.0	10.0	TDC 6020

CF TDC



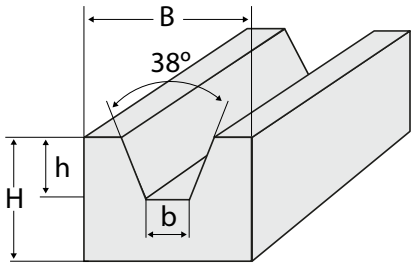
- C-Profile supplied separately - see page 1072.

Vee Belt Guides

Belt Guides for Vee Belts according to DIN 2215 (U.H.M.W. Pe) Green

Type		Finished size			
		B	H	b	h
TDC R 8	F	20.0	10.0	5.0	3.5
TDC R 10	Z	20.0	10.0	6.5	4.5
TDC R 13	A	20.0	12.0	8.5	6.0
TDC R 17	B	30.0	15.0	10.5	8.0
TDC R 20	G	30.0	20.0	12.5	9.0
TDC R 22	C	35.0	20.0	14.0	10.5
TDC R 25	H	40.0	25.0	15.5	12.0
TDC R 32	D	50.0	30.0	20.0	16.0
TDC R 40	E	60.0	35.0	25.0	21.0

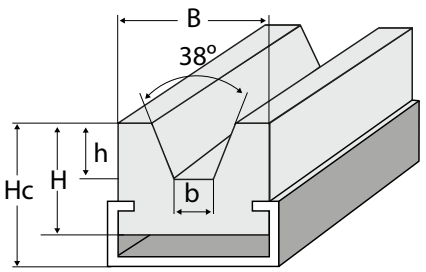
GV TDC



Belt Guides for Vee Belts with C-section slots according to DIN 2215 (U.H.M.W. Pe) Green

Type		Finished size					C-profile
		B	H	b	h	Hc	
TDC R 8	F OC	20.0	10.0	5.0	3.5	15.0	TDC 2010
TDC R 10	Z OC	20.0	15.0	6.5	4.5	18.0	TDC 2010
TDC R 13	A OC	25.0	18.0	8.5	6.0	22.0	TDC 2812
TDC R 17	B OC	30.0	20.0	10.5	8.0	24.0	TDC 2812
TDC R 20	G OC	30.0	20.0	12.5	9.0	24.0	TDC 2812
TDC R 22	C OC	35.0	25.0	14.0	10.5	30.0	TDC 3818
TDC R 25	H OC	40.0	25.0	15.5	12.0	32.0	TDC 3818
TDC R 32	D OC	60.0	35.0	20.0	16.0	40.0	TDC 6020
TDC R 40	E OC	60.0	35.0	25.0	21.0	40.0	TDC 6020

GVC TDC



- C-Profile supplied separately - see page 1072. Available as standard in green and in other colours and materials on request.

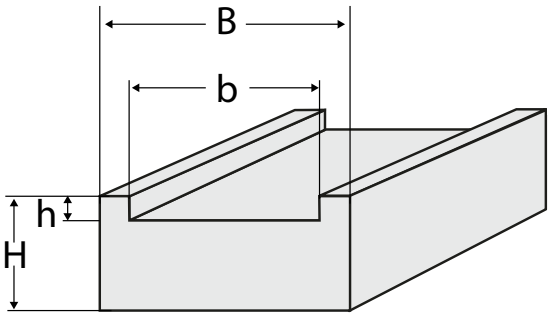
Flat and Timing Belt Guides

TRANSPLAS

Belt Guides for Flat Belts/Timing Belts (U.H.M.W. Pe) Green

Type	Finished size			
	B	H	b	h
TDC 5 BG 10	20	15	12	1.5
TDC 5 BG 16	28	15	18	1.5
TDC 5 BG 20	30	15	22	1.5
TDC 5 BG 25	38	20	27	1.5
TDC 5 BG 32	42	20	34	1.5
TDC 5 BG 50	60	25	52	1.5
TDC 10 BG 20	28	15	22	3.5
TDC 10 BG 25	38	20	27	3.5
TDC 10 BG 32	42	20	34	3.5
TDC 10 BG 50	60	25	52	3.5
TDC 10 BG 75	87	25	77	3.5
TDC 10 BG 100	112	25	102	3.5
TDC 10 BG 150	162	25	152	3.5
TDC 20 BG 25	38	20	27	6.5
TDC 20 BG 32	42	20	34	6.5
TDC 20 BG 50	60	25	52	6.5
TDC 20 BG 75	87	25	77	6.5
TDC 20 BG 100	112	25	102	6.5
TDC 20 BG 150	162	25	152	6.5

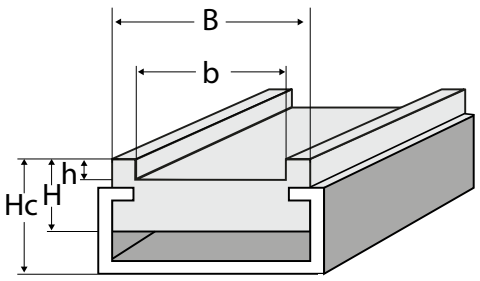
GBG TDC



Belt Guides for Flat Belts/Timing Belts machined with C-section slots (U.H.M.W. Pe) Green

Type	Finished size					C-profile
	B	H	b	h	Hc	
TDC 5 BG 10C	20	15	12	1.5	17.5	TDC 2010
TDC 5 BG 16C	28	15	18	1.5	18.0	TDC 2812
TDC 5 BG 20C	30	15	22	1.5	18.0	TDC 2812
TDC 5 BG 25C	38	20	27	1.5	25.0	TDC 3818
TDC 5 BG 32C	42	20	34	1.5	25.0	TDC 3818
TDC 5 BG 50C	60	25	52	1.5	30.0	TDC 6020
TDC 10 BG 20C	30	15	22	3.5	18.0	TDC 2812
TDC 10 BG 25C	38	20	27	3.5	25.0	TDC 3818
TDC 10 BG 32C	42	20	34	3.5	25.0	TDC 3818
TDC 10 BG 50C	60	25	52	3.5	30.0	TDC 6020
TDC 20 BG 25C	38	20	27	6.5	28.0	TDC 3818
TDC 20 BG 32C	42	20	34	6.5	28.0	TDC 3818
TDC 20 BG 50C	60	25	52	6.5	30.0	TDC 6020
TDC 20 BG 75C	87	25	77	6.5	30.0	TDC 2275
TDC 20 BG 100C	112	25	102	6.5	30.0	TDC 21100*
TDC 20 BG 150C	162	25	152	6.5	3.0	TDC 21125*

GBGC TDC



*Please contact TransDev Sales for availability.

- C-Profile supplied separately - see page 1072. For other sizes, grades or colours please consult our Technical Department.

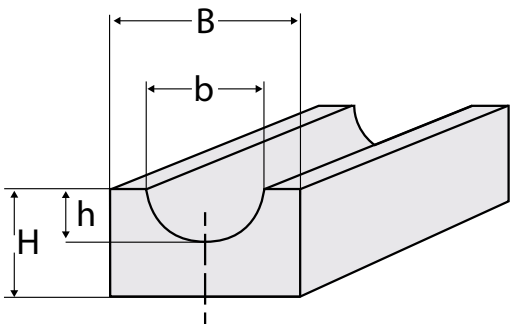
Round Belt Guides

TRANSPLAS

Belt Guides RM for Round Belts (U.H.M.W. Pe) Green

Type	Finished size			
	B	H	b	h
TDC R 5.0 RM5	20.0	10.0	5.5	3.0
TDC R 6.3 RM6	20.0	10.0	7.0	3.5
TDC R 8.0 RM8	20.0	12.0	8.5	4.5
TDC R 9.5 RM10	25.0	15.0	12.0	6.0
TDC R 12.5 RM12	30.0	20.0	13.0	6.5
TDC R 15.0 RM15	35.0	25.0	15.5	8.0
TDC R 18.0 RM18	40.0	25.0	18.5	9.5
TDC R 20.0 RM 20	45.0	30.0	20.5	10.5

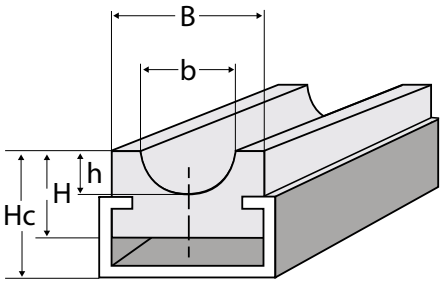
RM TDC



Belt Guides RMC for Round Belts with C-section slots (U.H.M.W. Pe) Green

Type	Finished size					C-profile
	B	H	b	h	Hc	
TDC R 5.0 RM5 OC	20.0	10.0	5.5	3.0	15.0	TDC 2010
TDC R 6.3 RM6 OC	20.0	10.0	7.0	3.5	18.0	TDC 2010
TDC R 8.0 RM8 OC	20.0	12.0	8.5	4.5	18.0	TDC 2010
TDC R 9.5 RM10 OC	25.0	15.0	10.0	6.0	20.0	TDC 2812
TDC R 12.5 RM12 OC	28.0	15.0	13.0	6.5	20.0	TDC 2812
TDC R 15.0 RM15 OC	33.0	20.0	15.5	8.0	25.0	TDC 3818
TDC R 18.0 RM 18 OC	38.0	20.0	18.5	9.5	25.0	TDC 3818
TDC R 20.0 RM20 OC	38.0	25.0	20.5	10.5	30.0	TDC 3818

RMC TDC



- C-Profile supplied separately - see page 1072. Available as standard in green and in other colours and materials on request.


See **Volta Round Belts – Page 182**

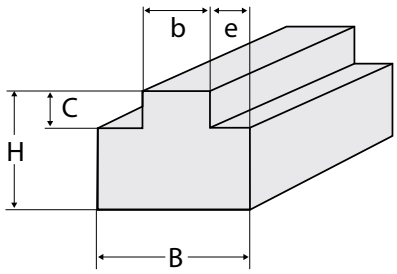
Chain Guides

TRANSPLAS

Guides Rails GR1 for Simplex Chains according to DIN 8187 (U.H.M.W. Pe) Green

Type	Pitch	Finished size				
		b	B	e	C	H
TDC 04 -1	6 x 2.8mm	2.6	10	3.7	1	10
TDC 05 B-1	8 x 3mm	2.8	10	3.6	1.5	10
TDC 05 3 -1	3/8" x 5/32""	3.8	15	5.6	1.5	10
TDC 06 B-1	3/8" x 7/32""	5.5	15	4.75	1.5	10
TDC 08 1 -1	1/2" x 3.3mm	3	12	4.5	1.5	10
TDC 08 4 -1/1	1/2" x 4.9mm	4.6	17	6.2	2	10
TDC 08 3 -1	1/2" x 3/16""	4.7	15	5.15	1.6	10
TDC 08 4 - 1/2	1/2" x 1/4""	6.2	20	6.9	2.1	10
TDC 08 B-1	1/2" x 5/16""	7.5	20	6.25	2.2	10
TDC 08 6 -1	1/2" x 5.21mm	6.3	20	6.85	2.6	10
TDC 10 B-1	5/8" x 3/8""	9.3	20	5.35	2.6	15
TDC 12 B-1	3/4" x 7/16""	11.3	25	13.7	2.4	15
TDC 16 B- 1	1 x 17mm	16.5	40	11.75	4.3	15
TDC 20 B-1	1 1/14" x 3/4""	19	45	13	4.2	15
TDC 24 B-1	1 1/2" x 1""	24.7	60	17.65	5.5	15
TDC 28 B-1	1 3/4" x 31mm	30.1	75	22.45	6.8	20
TDC 32 B-1	2 x 31mm	30.1	80	24.95	7.7	20

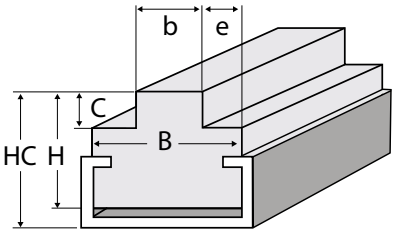
GR1 TDC



Guides Rails GR1C for Simplex Chains with C-section slots according to DIN 8187 (U.H.M.W. Pe) Green

Type	Pitch	Finished size						C-profile
		b	B	e	C	H	HC	
TDC 08 3 -10C/A	1/2" x 3/16"	4.7	20	7.65	1.6	10	15	TDC 2010
TDC 08 4-10C	1/2" x 1/4"	6.2	20	6.9	2.1	10	15	TDC 2010
TDC 08 B-10C/A	1/2" x 5/16"	7.5	20	6.25	2.2	10	15	TDC 2010
TDC 08 3 -10C/B	1/2" x 3/16"	4.7	17	6.15	1.6	15	17	TDC 2010
TDC 08 5 -10C	1/2" x 1/4"	6.2	17	5.4	2.1	15	17	TDC 2010
TDC 08 B -10C/B	1/2" x 5/16"	7.5	17	4.75	2.2	15	17	TDC 2010
TDC 08 6 -10C	1/2" x 5.21mm	6.3	17	5.35	2.6	15	17	TDC 2010
TDC 10 B -10C	5/8" x 3/8"	9.3	17	3.85	2.6	15	17	TDC 2010
TDC 12 B -10C/A	3/4" x 7/16"	11.3	20	4.35	2.4	15	17	TDC 2010
TDC 12 B -10C/B	3/4" x 7/16"	11.3	24	6.35	2.4	15	18	TDC 2812
TDC 16 B -10C	1 x 17mm	16.5	24	3.75	4.3	15	18	TDC 2812
TDC 20 B -10C	1 1/4" x 3/14"	19	28	4.5	4.2	15	18	TDC 2812
TDC 24 B -10C	1 1/2" x 1"	24.7	38	6.65	5.5	25	30	TDC 3818
TDC 28 B -10C	1 3/4" x 31mm	30.1	38	3.95	6.8	25	30	TDC 3818
TDC 32 B -10C	2" x 31mm	30.1	38	3.95	7.7	25	30	TDC 3818

GR1C TDC



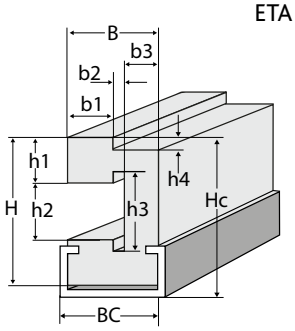
- C-Profile supplied separately - see page 1072. For other sizes, grades or colours please consult our Technical Department.

Chain Guides

Guides Rails ETA for Simplex Chains with C-section slots according to DIN 8187 (U.H.M.W. Pe) Green

Type	Pitch	Finished size											C-profile
		BC	B	H	Hc	h1	h2	h3	h4	b1	b2	b3	
TDC 06B-10C	3/8" x 7/32"	20	20	26.9	27	6.6	6.6	9.3	1.5	5.2	4.3	10.4	TDC 2010
TDC 08B-10C	1/2" x 5/16"	20	20	29.4	30	7.1	8.7	12.8	2.2	7.5	5	7.5	TDC 2010
TDC10B-10C	5/8" x 3/8"	20	20	35.9	36	9.7	10.4	15.4	2.6	9.3	5.3	5.5	TDC 2010
TDC 12B-10C	3/4" x 7/16"	28	28	40.4	41	10.2	12.3	16.9	2.4	11.5	6	6.8	TDC 2812
TDC 16B-10C	1" x 17mm	38	38	54	54	11.9	16.1	24.4	4.3	16.5	10.5	6.5	TDC 3818

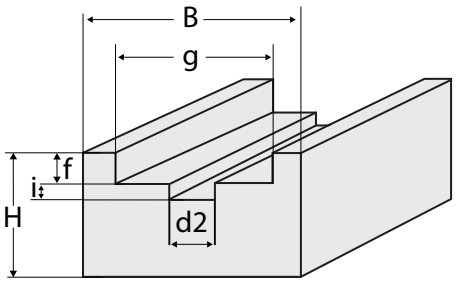
ETA TDC



Guides Rails GL1a for Simplex Chains according to DIN 8187 (U.H.M.W. Pe) Green

Type	Pitch	Finished size					
		d2	g	B	i	f	H
TDC 05 3 -1	3/8" x 5/32"	3.7	9.2	20	1.3	2.7	15
TDC 06 B -1	3/8" x 7/32"	3.7	9.2	20	1.4	2.8	15
TDC 08 3 -1	1/2" x 3/16"	4	10.7	20	1.1	2.3	15
TDC 08 4 -1	1/2" x 1/4"	4.4	11.7	20	1.5	3.2	15
TDC 08 5 -1	1/2" x 1/4"	4.9	12.7	25	1.3	3.5	15
TDC 08 B -1	1/2" x 5/16"	4.9	12.7	25	1.3	3.5	15
TDC 08 6 -1	1/2" x 5.21mm	5.5	15.2	25	1.6	3.6	15
TDC 10 B -1	5/8" x 3/8"	5.5	15.2	25	1.5	3.6	15
TDC 12 B -1	3/4" x 7/16"	6.2	16.7	25	1.8	3.9	20
TDC 16 B -1	1" x 17mm	8.9	24.4	35	1.5	8.4	25

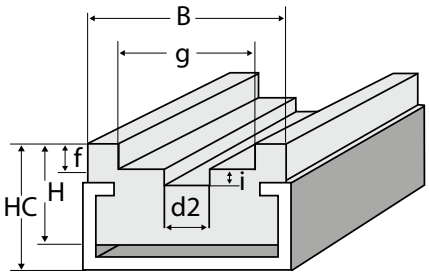
GL1a TDC



Guide Rails GL1aC for Simplex Chains with C-section slots according to DIN 8187 (U.H.M.W. Pe) Green

Type	Pitch	Finished size							C-profile
		d2	g	B	i	f	H	HC	
TDC 05 3 -10C	3/8" x 5/32"	3.7	9.2	20	1.3	2.8	10	16	TDC 2010
TDC 06 B -10C	3/8" x 7/32"	3.7	9.2	20	1.4	2.8	10	16	TDC 2010
TDC 08 3 -10C	1/2" x 3/16"	4	10.7	20	1.1	2.3	10	16	TDC 2010
TDC 08 4 -10C	1/2" x 1/4"	4.4	11.7	20	1.5	3.2	10	16	TDC 2010
TDC 08 5 -10C	1/2" x 1/4"	4.9	12.7	20	1.3	3.5	10	16	TDC 2010
TDC 08 B -10C	1/2" x 5/16"	4.9	12.7	24	1.3	3.5	12	18	TDC 2010
TDC 08 6 -10C	1/2" x 5.21mm	5.5	15.2	24	1.6	3.6	12	18	TDC 2010
TDC 10 B -10C	5/8" x 3/8"	5.5	15.2	24	1.5	3.6	12	18	TDC 2812
TDC 12 B -10C	3/4" x 7/16"	6.2	16.7	24	1.8	3.9	12	18	TDC 2812
TDC 16 B -10C	1" x 17mm	8.9	24.4	33	1.5	8.4	20	30	TDC 3818

GL1aC TDC



- C-Profile supplied separately - see page 1072. For other sizes, grades or colours please consult our Technical Department.

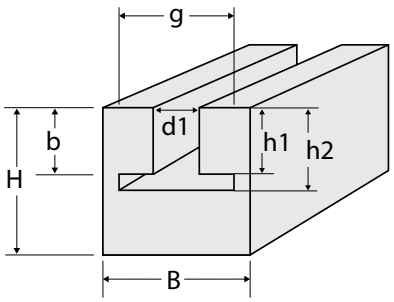
TRANSPLAS

Chain Guides

Guides Rails GL1X for Simplex Chains according to DIN 8187 (U.H.M.W. Pe) Green

Type	Pitch	Finished size					
		d1	g	B	h1	h2	H
TDC 05 3 -1	3/8" x 5/32"	6.6	9.3	20	3.8	8	25
TDC 06 B -1	3/8" x 7/32"	6.6	9.3	20	5.6	9.9	25
TDC 08 3 -1	1/2" x 3/16"	8	10.8	20	4.7	8.3	25
TDC 08 4 -1	1/2" x 1/4"	8	11.8	24	6.3	11.2	30
TDC 08 5 -1	1/2" x 1/14"	8.7	12.8	24	6.3	11.3	30
TDC 08 B -1	1/2" x 5/16"	8.7	12.8	24	7.6	12.7	30
TDC 08 6 -1	1/2" x 5.21mm	10.4	15.4	30	6.3	11.7	30
TDC 10 B -1	5/8" x 3/8"	10.4	15.4	30	9.5	14.8	35
TDC 12 B -1	3/4" x 7/16"	12.3	16.9	40	11.5	17.5	35
TDC 16 B -1	1" x 17mm	16.1	24.4	40	16.5	26.4	45
TDC 20 B -1	1 1/4" x 3/4"	19.3	27.5	50	19.4	31.2	50
TDC 24 B -1	1 1/2" x 1"	25.7	36.5	60	25.2	40.1	60
TDC 28 B -1	1 3/4" x 31mm	28.3	41.5	60	30.8	48.9	70
TDC 32 B-1	2" x 31mm	29.6	44.5	70	30.8	53	75

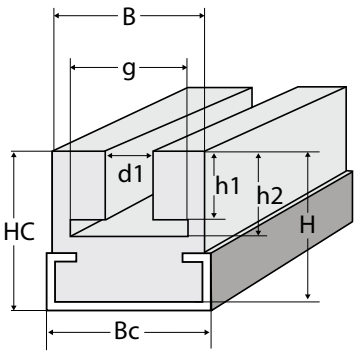
GL1X TDC



Guide Rails GL1bC for Simplex Chains with C-section slots according to DIN 8187 (U.H.M.W. Pe) Green

Type	Pitch	Finished Size								C-profile
		Bc	B	H	HC	h1	h2	d1	g	
TDC 053 -10C	3/8" x 5/32"	20	20	17.5	21	3.8	8	6.6	9.3	TDC 2010
TDC 06B -10C	3/8" x 7/32"	20	20	17.5	21	5.6	9.9	6.6	9.3	TDC 2010
TDC 083 -10C	1/2" x 3/16"	20	20	17.5	21	4.7	8.3	8	10.8	TDC 2010
TDC 084 -10C	1/2" x 1/14"	28	24	27.5	32	6.3	11.2	8	11.8	TDC 2812
TDC 085 -10C	1/2" x 1/4"	28	24	27.5	32	6.3	11.3	8.7	12.8	TDC 2812
TDC 08B -10C	1/2" x 5/16"	28	24	27.5	32	7.6	12.7	8.7	12.8	TDC 2812
TDC 086-10C	1/2" x 5.21mm	28	24	27.5	32	6.3	11.7	10.4	15.4	TDC 2812
TDC 10B -10C	5/8" x 3/8"	28	24	27.5	32	9.3	14.8	10.4	15.4	TDC 2812
TDC 12B -10C	3/4" x 7/16"	38	32	34	43	11.5	17.5	12.3	16.9	TDC 3818
TDC 16B -10C	1" x 17mm	38	40	34	50	16.5	27	16.1	24.4	TDC 3818
TDC 20B -10C	11/4" x 3/4"	60	44	45	55	19	32	19.3	27.5	TDC 6020

GL1bC TDC



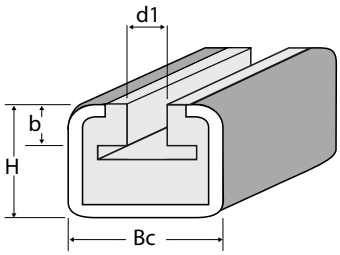
- C-Profile supplied separately - see page 1072. For other sizes, grades or colours please consult our Technical Department.

Chain Guides

Guide Rails GL1b for Simplex Chains with C-section slots according to DIN 8187 (U.H.M.W. Pe) Green

Type	Pitch	Finished size				C-profile
		d1	Bc	b	H	
TDC 05 3-10U	3/8" x 5/32"	6.6	30	3.8	24	TDC 3024
TDC 06 B-10U	3/8" x 7/32	6.6	30	5.6	24	TDC 3024
TDC 08 3-10U	1/2" x 3/16""	8	30	4.7	24	TDC 3024
TDC 08 4-10U	1/2" x 1/4""	8	30	6.3	24	TDC 3024
TDC 08 5-10U	1/2" x 1/4"	8.7	30	6.3	24	TDC 3024
TDC 08 B-10U	1/2" x 5/16"	8.7	30	7.6	24	TDC 3024
TDC 08 6-10U	1/2" x 5.21mm	10.4	30	6.3	24	TDC 3024
TDC 10 B-10U	5/8" x 3/8"	10.4	30	9.5	24	TDC 3024
TDC 12 B-10U	3/4" x 7/16"	12.3	30	11.5	24	TDC 3024
TDC 16 B-10U	1" x 17mm	16.1	45	16.5	40	TDC 4540
TDC 20 B-10U	1 1/14" x 3/4"	19.3	45	17.5	40	TDC 4540

GL1b TDC

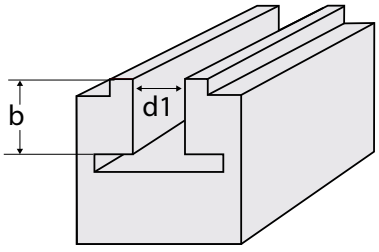


- C-Profile supplied separately - see page 1072. For other sizes, grades or colours please consult our Technical Department.

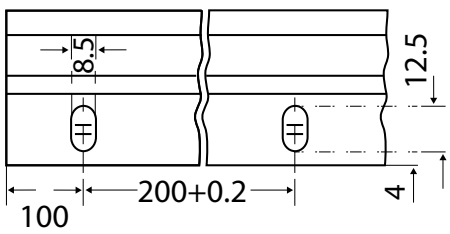
Guides Rails for Simplex Chains according to DIN 8187 (U.H.M.W. Pe) Green

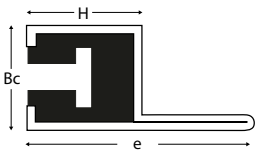
Type	Pitch	Finished size					
		d1	Bc	b	H	e	A
TDC 06 B	3/8" x 7/32"	6.6	30	5.6	24	47	53
TDC 08 3	1/2" x 3/16"	8.0	30	4.7	24	47	53
TDC 08 4	1/2" x 1/4"	8.0	30	6.3	24	47	53
TDC 08 5	1/2" x 1/14"	8.7	30	6.3	24	47	53
TDC 08 B	1/2" x 5/16"	8.7	30	7.6	24	47	53
TDC 08 6	1/2" x 5.21mm	10.4	30	6.3	24	47	53
TDC 10 B	5/8" x 3/8"	10.4	30	9.5	24	47	53
TDC 12 B	3/4" x 7/16"	12.3	30	11.5	24	47	53

TAG

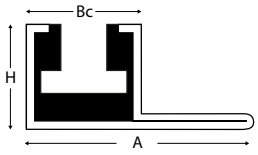


Continuous Mounting Strip with Slotted Holes





TAG G 14



TAG V 15

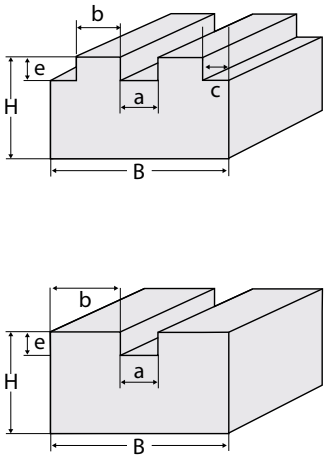
- The continuous mounting strip is provided with slotted holes for 8mm diameter screws at 200mm centres, allowing for adjustment. Pitch Tolerance +3mm/6m length
- Ordering: **G** for Galvanised Steel **S** for Stainless Steel **Ordering Example:** TAG V 15 - TDC 08B - G

TRANSPLAS

Guides Rails GR2 for Duplex Chains according to DIN 8187 (U.H.M.W. Pe) Green

Type	Pitch	Finished size					
		a	b	B	c	e	H
TDC 05 B -2	8 x 3mm	2.6	2.8	16	3.9	1.5	10
TDC 06 B -2	3/8" x 7/32"	4.6	5.5	25	4.7	1.5	10
TDC 08 B -2	1/2" x 5/16"	6.2	7.5	35	6.9	2.2	10
TDC 10 B -2	5/8" x 3/8"	7.0	9.3	40	7.2	2.6	10
TDC 12 B -2	3/4" x 7/16"	7.8	11.3	45	7.3	2.4	10

Type	Pitch	Finished size				
		a	b	B	e	H
TDC 16 B -2	1" x 17mm	15.0	16.5	48	4.3	15
TDC 20 B -2	1 1/14" x 3/4"	17.0	19.0	55	4.2	15
TDC 24 B -2	1 1/2" x 1"	22.6	24.7	72	5.5	20
TDC 28 B -2	1 3/4" x 31mm	28.8	30.1	89	6.8	25
TDC 32 B -2	2" x 31mm	27.8	30.1	88	7.7	30



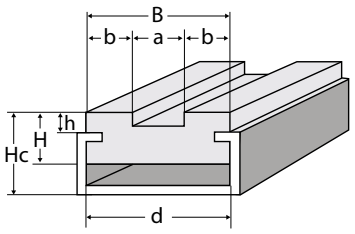
GR2 TDC

- For other sizes, grades or colours please consult our Technical Department.

Guides Rails GR2C for Duplex Chains with C-section slots according to DIN 8187 (U.H.M.W. Pe) Green

Type	Pitch	Finished size							C-profile
		H	B	Hc	a	b	d	h	
TDC 08 B2 OC	1/2" x 5/16"	15	21.4	17	6.4	7.5	17.0	2.2	TDC 2010
TDC 10 B2 OC	5/8" x 3/8"	15	25.9	17	7.3	9.3	17.0	2.6	TDC 2010
TDC 12 B2 OC	3/4" x 7/16"	15	30.7	20	8.1	11.3	24.0	2.4	TDC 2812
TDC 16 B2 OC	1" x 17mm	20	48.3	27	15.3	16.5	33.0	3.5	TDC 3818
TDC 20 B2 OC	1 1/4" x 3/4"	25	55.3	30	17.3	19.0	55.0	4.3	TDC 6020
TDC 24 B2 OC	1 1/2" x 1"	30	73.0	35	23.6	24.7	55.0	5.5	TDC 6020

GR2C TDC

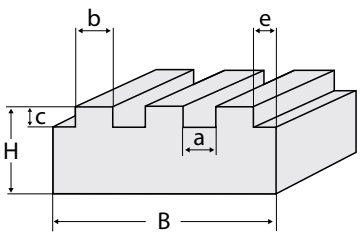


- C-Profile supplied separately - see page 1072. For other sizes, grades or colours please consult our Technical Department.

Guides Rails GR3 for Triplex Chains according to DIN 8187 (U.H.M.W. Pe) Green

Type	Pitch	Finished size					
		a	b	e	B	c	H
TDC 06 B -3	3/8" x 7/32"	4.7	5.5	4.55	35	1.5	10
TDC 08 B -3	1/2" x 5/16"	6.5	7.4	4.4	44	2.2	10
TDC 10 B -3	5/8" x 3/8"	7.4	9.2	5.3	53	2.6	10
TDC 12 B -3	3/4" x 7/16"	8.9	11.2	5.9	62	3.0	10
TDC 16 B -3	1" x 17mm	15.4	16.5	11.85	104	3.5	15

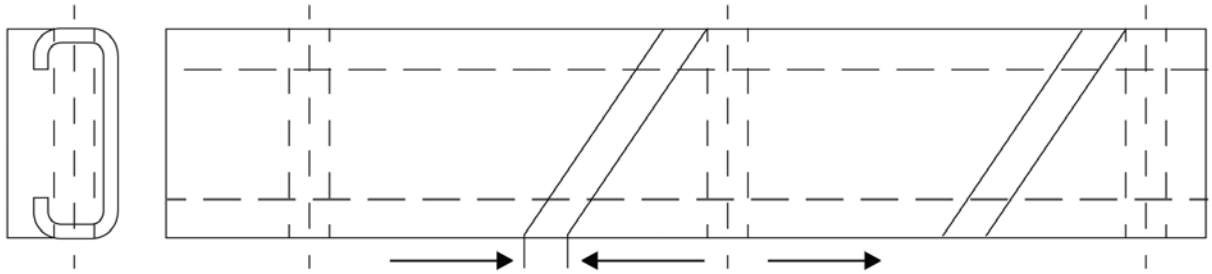
GR3 TDC



Thermal Expansion

The fixing detail example shown below takes into account the relatively large coefficient of thermal expansion of Plastics. As a rule of thumb: expansion equals 2mm/10°C temperature difference per 1000mm length.

In case of high temperature variations, the use of short Guide Rail pieces is recommended, so that expansion gaps can be kept small. The Plastic Guide Rails are fixed to the metal C-profile at one end to prevent movement.



Dynamic coefficient of friction on polished Steel

Transplas U.H.M.W. Pe		Nylon	P.T.F.E.	Nylon/MOS^2	Acetal C
Dry	0.10 - 0.22	0.15 - 0.40	0.04 - 0.25	0.12 - 0.20	0.15 - 0.35
Wet	0.05 - 0.10	0.14 - 0.19	0.04 - 0.08	0.10 - 0.12	0.12 - 0.20
Oil	0.05 - 0.08	0.02 - 0.11	0.04 - 0.05	0.08 - 0.10	0.05 - 0.10

	Dynamic
U.H.M.W. Pe on U.H.M.W. Pe	0.25 - 0.35
U.H.M.W. Pe on Mild Steel	0.12 - 0.20
U.H.M.W. Pe on Polyurethane (85°)	0.18 - 0.28
U.H.M.W. Pe on Polyurethane (92°)	0.16 - 0.26
U.H.M.W. Pe on PAZ tooth covering	0.13 - 0.23
U.H.M.W. Pe on AUSF "T"	0.20 - 0.30
Mild Steel on Mild Steel	0.22 - 0.32
Mild Steel on Polyurethane (92°)	0.50 - 0.70
Mild Steel on Polyurethane (85°)	0.60 - 0.80
Mild Steel on PAZ / PAR	0.30 - 0.40

TransDev
PLASTICS

Semi-Finished Engineering Plastics



- ACETAL
- NYLON
- POLYESTER
- POLYETHYLENE
- POLYPROPYLENE
- PTFE

PU Belts
Rubber Belts
Special Belts
Pulleys
Chain
Sprockets
Gears
Bearings
Linear
Hardware
Plastics

Available Sheet Sizes

Material	Colours available	Standard sheet size	Standard sheet thickness in millimetres																						
			1	1.5	2	2.5	3	4	5	6	8	10	12	15	16	20	25	30	35	40	45	50	55	60
Acetal	Black, Blue & Natural	2000mm x 1000mm			✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓		✓		
		2000mm x 610mm										✓		✓				✓	✓	✓		✓		✓
Cast Nylon 6	Natural	2000mm x 500mm									✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓		
Cast Nylon 6 heat stabilised	Blue	2000mm x 1000mm												✓			✓			✓				
		2000mm x 500mm																✓				✓		
Cast Nylon 6 + MOS^2	Black	2000mm x 1000mm											✓			✓	✓							
		2000mm x 500mm								✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓		✓
Cast Nylon 6 + oil filled	Green	2000mm x 1000mm														✓	✓							
		2000mm x 500mm									✓	✓		✓	✓	✓	✓	✓		✓	✓	✓	✓	
Extruded Nylon 6	Natural	2000mm x 1000mm	✓	✓	✓	✓	✓	✓	✓	✓	✓								✓					✓
		2000mm x 610mm										✓	✓	✓		✓	✓	✓		✓		✓		
Extruded Nylon 66	Natural	2000mm x 1000mm			✓		✓		✓	✓														
		2000mm x 610mm									✓	✓	✓	✓		✓	✓	✓		✓		✓		
Polyester	Natural	2000mm x 610mm									✓	✓	✓			✓	✓	✓		✓		✓		
Polyethylene 1000 regen	Black & Green	2000mm x 1000mm	✓		✓		✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓		✓
		3000mm x 1220mm							✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓		✓		
Polyethylene 1000 Virgin	Natural	2000mm x 1000mm	✓		✓		✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓		✓
		3000mm x 1220mm							✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓		✓		
Polyethylene 500	Blue & Natural	2000mm x 1000mm										✓	✓	✓		✓	✓	✓	✓	✓	✓	✓		✓
		3000mm x 1220mm										✓		✓			✓			✓	✓			
Polyethylene CeramP	Green	2000mm x 1000mm								✓	✓	✓	✓	✓		✓	✓	✓						
		3000mm x 1220mm											✓	✓										
Polypropylene	Natural	2000mm x 1000mm					✓	✓	✓	✓	✓		✓	✓		✓	✓	✓		✓		✓		✓
PTFE	Natural	1200mm x 1200mm	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓							

- All materials can be supplied as complete sheets or sheet length by your required cut width
- Other materials and sizes are available on request

Available Rod Sizes

Material	Colours available	Standard rod diameters in millimetres																							
		3	4	5	6	8	10	12	15	16	18	20	22	25	30	32	35	38	40	45	50	55	60	65	70
Acetal	Black, Blue & Natural			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓
Cast Nylon 6	Natural						✓			✓				✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Cast Nylon 6 heat stabilised	Blue													✓			✓	✓			✓		✓	✓	✓
Cast Nylon 6 + MOS^2	Black						✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Cast Nylon 6 + oil filled	Green								✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓
Extruded Nylon 6	Black & Natural					✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓
Extruded Nylon 66	Natural					✓	✓			✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓
Polyester	Natural								✓	✓		✓		✓	✓		✓		✓	✓	✓	✓	✓	✓	✓
Polyethylene 1000	Black, Green & Natural											✓		✓	✓		✓		✓	✓	✓	✓	✓		✓
Polypropylene	Natural						✓	✓	✓			✓		✓	✓		✓		✓	✓	✓	✓	✓	✓	✓
PTFE	Natural	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

		75	80	90	100	110	120	125	130	140	150	160	170	175	180	190	200	210	220	225	230	240	250	260	270	300
Acetal	Black, Blue & Natural	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓		✓		✓	✓			✓		✓			
Cast Nylon 6	Natural	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓		✓	✓	✓	✓	✓	✓
Cast Nylon 6 heat stabilised	Blue		✓								✓		✓					✓					✓			
Cast Nylon 6 + MOS^2	Black	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				✓			
Cast Nylon 6 + oil filled	Green	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓									
Extruded Nylon 6	Black & Natural	✓	✓	✓	✓		✓		✓	✓	✓	✓	✓	✓	✓	✓	✓									
Extruded Nylon 66	Natural	✓	✓	✓	✓	✓	✓		✓	✓	✓															
Polyester	Natural	✓	✓	✓	✓																					
Polyethylene 1000	Black, Green & Natural	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓					✓	✓					✓			
Polypropylene	Natural	✓	✓	✓	✓	✓	✓	✓			✓	✓					✓			✓						
PTFE	Natural		✓	✓	✓		✓	✓																		

- All materials can be supplied as complete stocked lengths or can be cut to your required billet size
- Other materials and sizes are available on request

Technical Data

Engineering plastics	Acronym	Food contact	Density	Coefficient of friction	Rockwell hardness			Minimum working temperature	Maximum working temperature	Water absorption to saturation	Tensile stress at yield	Elongation at break	Flamability
			(kg/m3)	mU	R	M	D	Continuous (°C)		(%)	(N/mm²)	%	UL94
Acetal co-polymer	POM-C	Y	1410	0.25	103	84	85	-45	110	0.8	65	66	HB
Acetal homo-polymer	POM-H	Y/N	1430	0.20	116	88	-	-45	110	1.0	78	35	HB
Cast Nylon 6	PA6 C	Y/N	1150	0.36	114	88	82	-40	100	6.5	82	25	HB
Cast Nylon 6+ heat stabilised	PA6 HS	N	1150	0.30	109	87	84	-40	115	6.5	82	25	HB
Cast Nylon 6 + MOS^2	MOS^2	N	1150	0.25	112	84	85	-40	105	6.2	82	30	HB
Cast Nylon 6 + oil filled	OILON	N	1140	0.15	-	82	83	-40	110	6.0	75	30	HB
Extruded Nylon 6	PA6 E	Y/N	1140	0.38	-	85	-	-40	85	9.0	76	50	HB
Extruded Nylon 66	PA6.6 E	Y/N	1140	0.34	115	88	-	-30	95	8.0	90	50	HB-V2
Extruded Nylon 66 + Glass filled 30%	PA6.6 GF30	N	1300	0.33	-	76	-	-20	120	5.5	-	5	HB
Extruded Nylon 66 + MOS^2	PA6.6 MOS^2	N	1150	0.25	-	88	-	-20	80	7.8	92	20	HB
Polyethylene 1000 Virgin Natural	PE1000N	Y	950	0.20	-	-	62	-200	80	0.0	20	300	HB
Polyethylene 1000 REGEN	PE1000R	N	950	0.20	-	-	62	-200	80	0.0	20	300	HB
Polyethylene 1000 Ceram P	CeramP	N	950	0.20	-	-	65	-200	80	0.0	20	300	HB
Polyethylene 1000 ESD	PE1000ESD	N	950	0.20	-	-	64	-200	80	0.0	20	300	HB
Polyethylene 500	HMWPe	Y	950	0.25	-	-	65	-75	80	0.0	20	300	HB
Polycarbonate	PC	Y	1200	0.58	-	75	85	-30	120	0.4	75	60	HB
Polyethylene Terephthalate (Polyester)	PET-P	Y	1390	0.20	112	92	-	-20	115	0.5	90	15	HB
Polypropylene co-polymer	PP-C	Y	1000	0.32	97	-	73	-10	90	0.0	30	100	HB
Polytetrafluroethylene	PTFE	Y	2180	0.10	-	-	57	-200	260	0.0	27	200	None

Other materials and sizes are available on request

U.H.M.W. Pe Properties

Physical properties

Property	Test method	Test specimen	U.H.M.W. Pe 1000	Unit
Density (of the homogenously pressed material)	DIN 53 749	Sheet	0.94	g/cm³
Viscosity (VZ)	DIN 53 728 (Page 4)	0.0003 g/cm³ (Concentration in Decahydronaphthalene)	2300	cm³/g
Melt index (MFI 190/5)	DIN 53 735	Powder	<0.01	g/10min
Melt index (MFI 190/15)	DIN 53 735	Powder	<0.1	g/10min
Yield value F (150/10)	DIN 53 493	Dumbbell bar	0.20 – 0.25	N7mm²
Bulk density	DIN 53 468	Powder	0.35 – 0.40	g/cm³

Mechanical properties measured under standard climatic conditions (23°C and 50% RH)

Tensile Test	DIN 53 455 - ISO/R 527	–	–	–
Yield stress (tensile strength)	Testing rate100 mm/min	Test specimen no. 4	20	N/mm²
Ultimate tensile strength	Testing rate100 mm/min	Test specimen no. 4	40	N/mm²
Elongation at break	Testing rate100 mm/min	Test specimen no. 4	>350	%
3.5% flexural stress	DIN 53 452	80 x 10 x 4 mm	20	N/mm²
Torsional rigidity at +23°C	DIN 53 447	60 x 6.35 x 2 mm	250	N/mm²
Torsional rigidity at -40°C	DIN 53 447	60 x 6.35 x 2 mm	370	N/mm²
Flexural creep modulus (1 minute value)	Flexural creep test 0b = 2 N/mm²	120 x 20 x 6 mm	750	N/mm²
Flexural creep modulus (6 day value)	Flexural creep test 0b = 2 N/mm²	120 x 20 x 6 mm	200	N/mm²
Ball indentation hardness (30 sec value)	DIN 53 456 (test load 365 N)	4 mm sheet	40	N/mm²
Shore hardness D	DIN 53 505	6 mm sheet	64-67	–
Notched impact strength	DIN 53 453	Standard small test bar	No failure	mJ/mm²
Notched impact strength (with 15 V notch)	DIN 53 453	120 x 15 x 10 mm	>80 – 140	mJ/mm²
Tensile impact strength at + 23°C	DIN 53 448	Standard test specimen	3000	mJ/mm²
Tensile impact strength at -100°C	DIN 53 448	Standard test specimen	3000	mJ/mm²
Abrasion loss by the sand-slurry method	Internal test method (24hr at 1200 min-1 quartz sand of particle size 0.2 - 1.0 mm)	76.2 x 25.4 x 6.35 mm	70 – 100	–

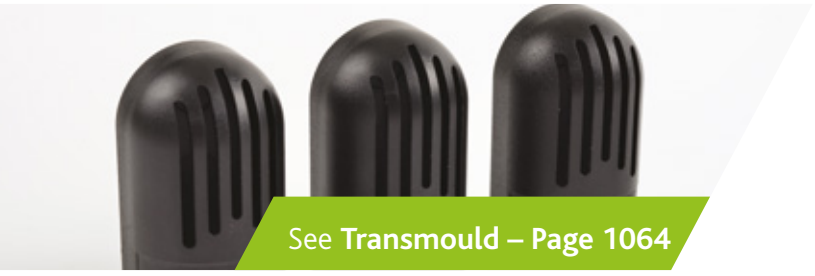
U.H.M.W. Pe Properties

Thermal properties

Property	Test method	Test specimen	UHMWPe 1000	Unit
Dimensional stability under heat (heat distortion temperature)	DIN 53 461; ISO/R75 method A	>110 x 10 x 4 mm	47	°C
Vicat softening point VST	DIN 53 460 method B	10 x 10 x 4 mm	79	°C
Crystalline melting range	Polarising microscope	Microtome section, 20µm	135 – 138	°C
Coefficient of linear expansion (between 23°C and 80°C)	DIN 53 752	25 x 4 x 4 mm	= 2.10^{4}	K-1
Thermal conductivity at 23°C	DIN 52 612 (two sheet method)	8 mm sheet	0.42	W/m. K
Specific heat at 23°C	Adiabatic calorimeter	Powder	1.84	kJ/kg. K

Electrical properties measured under standard climatic conditions (23°C and 50% RH)

Volume resistivity	DIN 53 482; VDE 0303, part 3	1mm sheet	> 5 $.10^{15}$	W.cm
Surface resistance	DIN 53 482; VDE 0303, part 3	1mm sheet	> 10^{14}	W
Dielectric strength	DIN 53 481; VDE 0303, part 2	0.2mm film	900	kV/cm
Relative permitivity - at 50HZ	DIN 53 483; VDE 0303, part 4	1mm sheet	1.9	–
Relative permitivity at 1MHz	DIN 53 483; VDE 0303, part 4	1mm sheet	2.3	–
Dissipation factor - at 50Hz	DIN 53 483; VDE 0303, part 4	1mm sheet	1.9 - 10^{4}	–
Dissipation factor at 1MHz	DIN 53 483; VDE 0303, part 4	1mm sheet	–	–
Tracking - CTI	DIN 1EC 112, part 1	15 x 15 x 4mm	600	Comparative index
Tracking - CTIM	DIN 1EC 112, part 1	15 x 15 x 4mm	–	Comparative index
Arc resistance	DIN 53 484; VDE 0303, part 5	Sheet - 120 x 120 x 10mm	L4	Rating



See **Transmould – Page 1064**

IRPEN® (U.K.) Ltd.

PERSPEX

Display Plastics



- CAST ACRYLIC
- POLYCARBONATE
- PETG
- COMPOSITE
- FOAMED PVC

Policril® Cast Acrylic Sheet



Policril® Introduction

TransDev is an Authorised Policril Distributor. Policril is manufactured by Irpen S.A.U. one of Europe's leading manufacturers of Acrylic Sheet. With manufacturing plants in Spain, Irpen has invested heavily in research and manufacturing techniques to develop a portfolio of colours and finishes of infinite variety, to suit many applications. Policril is manufactured to Quality Standard ISO 9001:2008 and Environmental standard ISO 14001:2004.

Policril® Cast Acrylic Sheet

Produced in a wide range of thicknesses and sheet sizes, Policril Cast Acrylic is an extremely stable product with excellent resistance to weather whilst maintaining superb optical clarity. Policril sheet lends itself to a variety of fabrication and moulding techniques and can be cut and drilled using a conventional range of tools.

Characteristics

- Excellent optical clarity
- Stable & Tough
- Lightweight
- Thickness range from 2mm to 80mm
- Wide range of colours and tints
- U.V resistant
- High chemical resistance
- Low water absorbsion
- Fully recyclable

Standard Solid Colours

Code	Colour
AM2202	Cream
NA7220	Cream
AM2209	Ivory
AM2244	Yellow
AM2259	Yellow
AM2260	Yellow
NA7202	Orange
R6267	Cerise Pink
R6234	Red
R6269	Red
R6274	Red
R6281	Burgundy
M8302	Brown
R62532	Light Pink
VI5201	Purple
AZ4245	Mid Blue
AZ4275	Mid Blue
AZ4276	Dark Blue
AZ4339	Dark Blue
AZ4277	Light Blue
VE3217	Lime Green
VE3233	Mid Green
VE3262	Dark Green
NE9303	Light Grey
NE9386	Dark Grey
NE9302	Black

Special Fluorescent Colours

Code	Colour
AM2133 HF	Fluorescent Yellow
AZ4133 HF	Fluorescent Blue
AM2136 HF	Fluorescent Yellow
VE3193 HF	Fluorescent Green
R6163 HF	Fluorescent Red
NA7106 HF	Fluorescent Orange
R6145 HF	Fluorescent Pink

Special Solid Metallic & Sparkle Finish

Code	Colour
NK22	Gold
NK91	Dark Silver
NK95	Light Silver
MT10	Silver Glitter
MT11	Gold Glitter
MT12	Blue Glitter



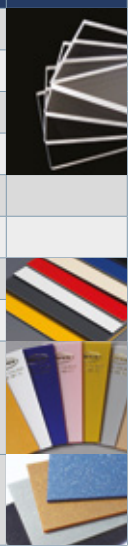
Policril® Cast Acrylic Sheet

policril®

Policril Standard Cast Acrylic Sheet

Policril® Cast Acrylic – available sheet sizes*

Finish	Sheet size	Standard sheet thickness in millimetres																	
		2	3	4	5	6	8	10	12	15	20	25	30	35	40	50	60	70	80
Clear	2020mm x 1275mm																	✓	✓
	2020mm x 1290mm													✓	✓	✓			
	3040mm x 2040mm						✓	✓	✓	✓	✓	✓	✓						
	3050mm x 2050mm	✓	✓	✓	✓	✓													
Opal	3040mm x 2040mm						✓	✓	✓	✓	✓	✓							
	3050mm x 2050mm		✓	✓	✓	✓													
Colour	3040mm x 2040mm						✓	✓	✓	✓	✓	✓							
	3050mm x 12050mm		✓	✓	✓	✓													
Colour NK Range (Gold/Dark Silver/ Light Silver)	2020mm x 1320mm		✓		✓														
Colour MT Glitter Range - (Silver Gold/Blue)	2020mm x 1320mm		✓		✓														



* Protective film on both sides

Policril Special Cast Acrylic Sheet



To complement the Standard range of Policril, Policril Special is a group of specialist sheet that is readily available from TransDev.

Over time the Irpen Group has developed an exciting range of sheet products to showcase what can be achieved when using Policril Cast Acrylic, these advancements make Policril the natural choice for retail displays and Signage applications plus many more.

Policril Specialist range of sheet products

- Solid Metallic
  Gold, Silver, Green, Blue, Pink, Opal
- Dual Sparkle Metallic
  Gold/Bronze, Light Blue/Dark Blue, Light Silver/Dark Silver, Black
- Engraving Metallic
  Gold/ Black
- Fluorescent
  Green, Lime Green, Red, Pink, Orange, Yellow, Blue
- LED
  Opal -3mm and 5mm Ref 1220
- Sunbed UVT
  Clear
- Museum Grade – UVB
  Clear
- Silicate
  Green Edge (Glass Look)
- Single And Double Sided Frost
  Clear, Opal, Red, Blue, Purple, Pink, Orange, Green
- Day/ Night Grade (Opal / Black)
  Opal 20mm & 30mm Block Ref 1229

PERSPEX® Cast Acrylic Sheet



PERSPEX Cast Acrylic Sheet from TransDev ends up in a wide range of applications, ranging from sign making and printing to cladding and glazing. It is an ideal material for signs, POP, interior displays and general fabrication.

- Excellent aesthetic and technical properties.
- Ideal for applications where quality and performance are paramount.
- High molecular weight.
- Exceptionally hard wearing.
- Resistant to weathering, fading, and extremes of temperature.
- Easy to handle, machine and fabricate.
- Excellent acoustic properties,
- Ideal for highway sound screens, engineering machine enclosures and telephone hoods

PERSPEX® Cast Acrylic is available in a wide range of clears, opals, tints and solid colours, ranging from soft delicate pastels to strong vibrant shades and in a wide range of thickness and surface textures to suit most applications.

PERSPEX® Cast Acrylic – available sheet sizes

Finish	Sheet size	Standard sheet thickness in millimetres															
		1	1.5	2	3	4	5	6	8	10	12	15	20	25	30	40	50
Clear	1250mm x 1200mm	✓															
	2500mm x 1200mm		✓														
	3050mm x 2030mm			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
	2030mm x 1525mm			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
Opal	3050mm x 2030mm				✓	✓	✓	✓	✓	✓							
	2030mm x 1525mm				✓	✓	✓	✓	✓	✓							
Colour	3050mm x 2030mm				✓	✓	✓	✓	✓	✓							
	2030mm x 1525mm				✓	✓	✓	✓	✓	✓							
Glass Look 6T21	3050mm x 2030mm				✓	✓	✓	✓	✓	✓	✓						
	2030mm x 1525mm				✓	✓	✓	✓	✓	✓	✓						
Clear Block	1800mm x 1400mm															✓	✓
	2000mm x 1500mm														✓		

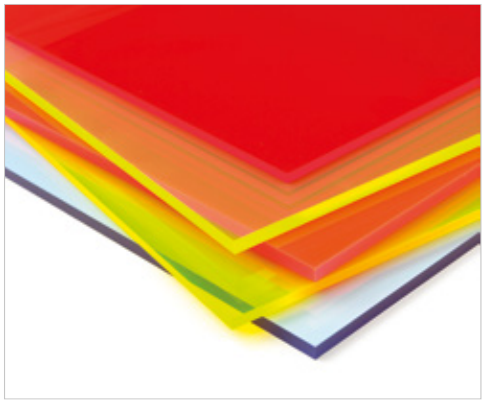






PERSPEX® Cast Acrylic Specialist Range

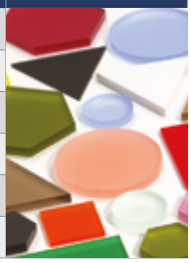
PERSPEX



A specialist range of PERSPEX® Cast Acrylic products has been developed to meet the constantly changing needs of designers and specifiers of signs and interior displays.

- **PERSPEX® Frost** - cool, subtle frosted appearance
- **PERSPEX® Pearlescent** - intriguing iridescent effect
- **PERSPEX® Fluorescent** - exciting live edge effect
- **PERSPEX® Fluorescent Anti-Reflective** - a new double-sided product with a fluorescent live-edge effect and soft sheer surface texture
- **PERSPEX® S-Lux**-perfect for slim, edge-lit signs
- **PERSPEX® VA/VE** - for protection against ultraviolet light- perfect for museums and galleries

PERSPEX® Frost Cast Acrylic – available sheet sizes

Finish	Sheet size	Standard sheet thickness in millimetres								
		3	4	5	6	8	10	15	20	
Crystal Clear Frost	3050mm x 2030mm	✓	✓	✓	✓	✓	✓	✓	✓	
	2030mm x 1525mm	✓	✓	✓	✓	✓	✓	✓	✓	
Polar White Opal Frost	3050mm x 2030mm	✓		✓	✓	✓	✓	✓	✓	
	2030mm x 1525mm	✓		✓	✓	✓	✓	✓	✓	
Colour Frost	3050mm x 2030mm	✓		✓	✓	✓	✓	✓		
	2030mm x 1525mm	✓		✓	✓	✓	✓	✓		

PERSPEX® Cast Acrylic – available sheet sizes (Other finishes)

Finish	Sheet Size	Standard sheet thickness in millimetres			
		3	5	8	
Metallic Gloss & Gloss/Matt	2030mm x 1540mm	✓	✓		
Vario	3050mm x 2030mm		✓	✓	
	2030mm x 1525mm		✓	✓	
Pearlescent	3050mm x 2030mm	✓			
	2030mm x 1525mm	✓			
Spectrum LED	3050mm x 2030mm	✓			
Fluorescent & Sparkle	3050mm x 2030mm	✓	✓		
	2030mm x 1525mm	✓	✓		

Policril XT Extruded Acrylic Sheet

Policril XT is an excellent clear Acrylic sheet, with a high gloss finish and good optical clarity. Due to strict production and quality control, Policril XT maintains extremely tight thickness tolerances, enabling the sheet to be vacuum formed and fabricated with confidence.



POLICRIL XT Extruded Acrylic – available sheet sizes

Finish	Sheet size	Standard sheet thickness in millimetres					
		3	4	5	6	8	10
Clear	3050mm x 2050mm	✓	✓	✓	✓	✓	✓

Characteristics

- Good optical clarity
- Tight thickness tolerances
- Easily fabricated
- Vacuum formable

PERSPEX® Extruded Acrylic Sheet



PERSPEX® from Lucite® Extruded Acrylic Sheet offers excellent thickness tolerance and is extremely easy to vacuum form, making it ideal for applications where complex shapes are required. It has a lower molecular weight than its cast equivalent, which allows greater definition during fabrication. It is made by extruding Acrylic polymer and as a result is made in longer, more economical production runs. It is available in a range of clears, opals and tints and in a range of thicknesses, as well as a number of specialist products.

PERSPEX® Impact Modified Extruded has improved impact resistance, superb clarity and is easy to fabricate.

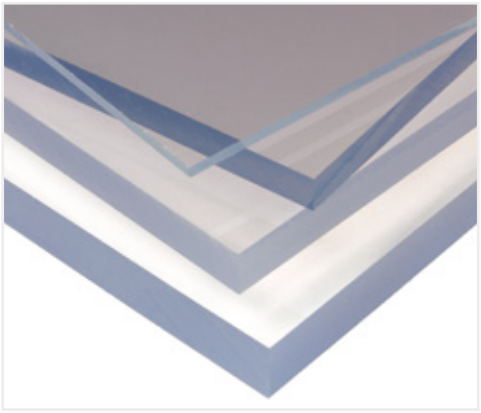
PERSPEX® UV Extruded transmits UV light - ideal for sun beds.

PERSPEX® Glass Look Extruded looks like glass, but is less prone to breakage.

PERSPEX® Extruded Acrylic – available sheet sizes

Finish	Sheet size	Standard sheet thickness in millimetres												
		1.5	2	2.5	3	4	5	6	8	10	12	15	20	
Clear	3050mm x 2050mm	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	2050mm x 1525mm	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Anti-glare	3050mm x 1250mm		✓		✓									
Opal 1 x 50	3050mm x 2050mm		✓		✓		✓							
	2050mm x 1525mm		✓		✓		✓							
Opal 1 x 69	3050mm x 2050mm				✓		✓							
	2050mm x 1525mm				✓		✓							
Glass Look 6X21	3050mm x 2050mm				✓		✓	✓	✓	✓				
	2050mm x 1525mm				✓		✓	✓	✓	✓				
Silver Mirror	3050mm x 2050mm		✓		✓		✓	✓						
	2050mm x 1525mm		✓		✓		✓	✓						
	2440mm x 1220mm		✓		✓		✓	✓						

Polycarbonate Sheet



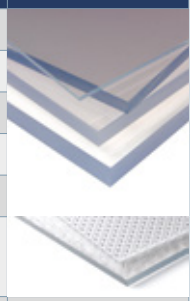
Polycarbonate Sheet is one of the toughest Plastics available and has a reputation for strength and impact resistance that is richly deserved.

It has excellent impact resistance, combined with good clarity and resistance to weathering, making it an ideal material for all types of outdoor glazing and construction applications.

200 times stronger than glass, with only half its weight, **Polycarbonate Sheet** is especially suited to areas or applications that are prone to vandalism.

With easy fabrication and installation, good fire performance and with UV protection on both sides of the sheet, Polycarbonate is the perfect choice for designers and installers of applications such as roofs, skylights, stadium glazing and street furniture.

Polycarbonate – available sheet sizes

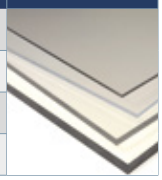
Finish	Sheet size	Standard sheet thickness in millimetres										
		1	1.5	2	3	4	5	6	8	10	12	
Clear	3050mm x 2050mm			✓	✓	✓	✓	✓	✓	✓	✓	
	2500mm x 2050mm				✓			✓	✓			
	2440mm x 1220mm				✓	✓	✓	✓				
	2050mm x 1525mm			✓	✓	✓	✓	✓	✓	✓	✓	
	2050mm x 1250mm	✓	✓	✓	✓	✓						
Embossed clear	3050mm x 2050mm							✓				
Opal	3050mm x 2050mm			✓	✓		✓					
	2050mm X 1525mm			✓	✓		✓					

PETG Sheet

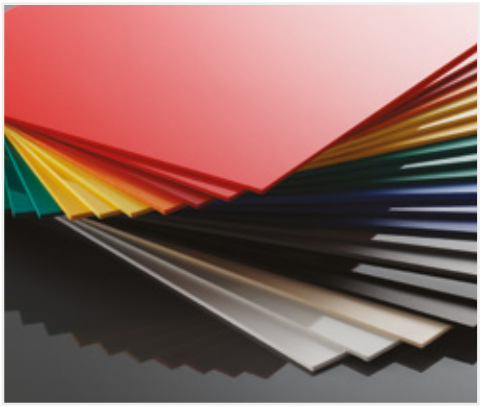
PETG Sheet is an extremely versatile material with good mechanical properties, including excellent chemical resistance and thermal insulation. PETG sheet is light in weight and easy to process, form and fabricate, without the need for pre-drying.

With good transparency and optical clarity, PETG Sheet has excellent impact and weather resistance, making it the ideal choice for a wide range of thermoforming applications, especially for outdoor installations such as bus shelters. Moulded letters, components for toys and games, cycle helmets, protective shields and visors - the list of applications for this versatile and easy to use material is almost endless.

PETG clear – available sheet sizes

Sheet size	Standard sheet thickness in millimetres									
	1	1.5	2	3	4	5	6	8	10	
3050mm x 2050mm			✓	✓	✓	✓	✓	✓	✓	
2050mm x 1525mm			✓	✓	✓	✓	✓	✓	✓	
2500mm x 1250mm	✓	✓	✓	✓	✓					
2050mm x 1250mm	✓	✓	✓	✓	✓					

Foamed PVC Sheet



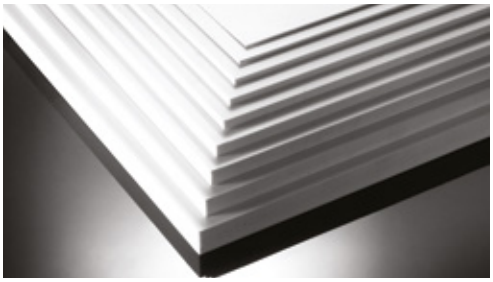
Foamed PVC Sheet is a light-weight and versatile material, ideal for use in advertising, construction and industry. It can be painted, printed, laminated, embossed or engraved and can be easily fabricated, formed and installed.

Foamed PVC Sheet is available in a range of colours and thicknesses to meet most requirements and is available in either matt or gloss finish. It has excellent performance properties, including low water absorption, high chemical resistance and has excellent fire resistance.

Perfect for displays, advertising and exhibition boards and interior signs, Foamed PVC sheet can also be used in interior wall cladding, room partitions and a range of industrial applications.

Foamalux PVC

Foamalux PVC has a smooth flat semi-matt surface perfect for sign, display and print applications. It can be easily machined, formed and welded and is a very versatile material for POS, Exhibition stands and merchandising.



Foamalux PVC – available sheet sizes

Finish	Sheet size	3	5	10	19
Bright white, FES range	2440mm x 1220mm	✓	✓	✓	✓
	3050mm x 1560mm	✓	✓	✓	✓
	3050mm x 2050mm	✓	✓	✓	
Black, FE range	2440mm x 1220mm	✓	✓	✓	
Colours (Blue, Red, Green, Yellow, Grey)	2440mm x 1220mm	✓	✓		

Some colours held in stock. Please call to enquire.

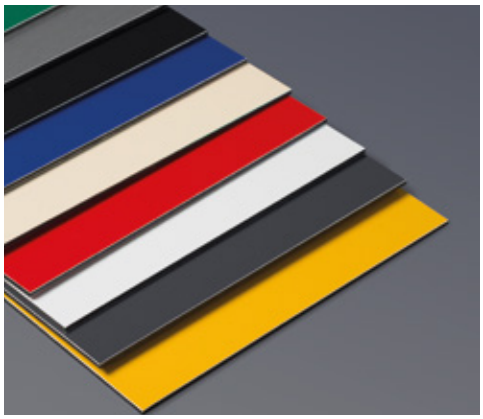
Characteristics

- Light weight
- Smooth surface
- Easy to handle and machine
- Good mechanical strength
- Class 1 fire rated
- Indoor or outdoor use
- Ideal for vinyl application or direct print

Other Foamed PVC – available sheet sizes

Finish	Sheet size	Standard sheet thickness in millimetres										
		1	2	3	4	5	6	8	10	13	19	
Standard White Matt	2440mm x 1220mm	✓		✓	✓	✓	✓	✓	✓	✓	✓	
	3050mm x 1220mm			✓		✓			✓	✓	✓	
	3050mm x 1560mm			✓		✓			✓			
	3050mm x 2030mm			✓		✓			✓			
Gloss White (Palight 2001)	2440mm x 1220mm			✓		✓			✓			
Colours Matt (Palight) Black, Blue, Green, Grey, Red, Yellow	2440mm x 1220mm			✓		✓						

Iribond Aluminium Composite Sheet



Iribond is a composite sheet material consisting of an aluminium layer either side of a polyethylene core. Standard aluminium layers come in thicknesses of 0.15, 0.20 and 0.30mm. All Iribond white painted material comes with an optimised polyester lacquer system perfect for direct substrate digital print, this system results in excellent ink adhesion and allows for advanced printing speeds.

Characteristics

- Top level of flatness
- Lightweight
- High grade print surface
- Easy fabrication and handling
- High gloss and colour retention

Iribond Aluminium Composite – available sheet sizes

Sheet Size	Laminate thickness (mm)	Black	White (Matt/ Gloss)	White (Matt/Gloss) Mill	Colour* (Matt/ Gloss)	Brushed (Silver/ Gold)	Silver Mirror	Prestige Colours	Hoarding Grade
2500 x 1250 x 3mm	0.2		✓						
2500 x 1250 x 3mm	0.3	✓	✓		✓	✓			
3050 x 1500 x 3mm	0.15								✓
3050 x 1500 x 3mm	0.2		✓						
3050 x 1500 x 3mm	0.3	✓	✓		✓	✓		✓	
3050 x 2000 x 3mm	0.3	✓	✓						
4050 x 2000 x 3mm	0.3		✓						
2440 x 1220 x 3mm	0.3						✓		
2440 x 1220 x 3mm	0.15			✓					✓

*Colour Range

- Blue - RAL 5002
- Blue - RAL 5022
- Red - RAL 3020
- Yellow - RAL 1003
- Green - RAL 6016
- Cream - RAL 1015
- Grey - RAL 7024
- Black - RAL 9005
- Silver - RAL 9006
- Orange - RAL 2004
- Burgundy - RAL 3004

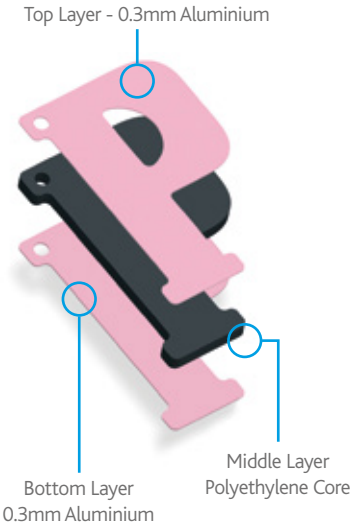
Iribond® Prestige Aluminium Composite Material

Iribond® Prestige is available in a range of 6 bright vibrant colours ideal for striking POS displays and high impact Signage applications. Gloss one side with a Matt reverse, Iribond Prestige reduces overall cost and wasted time by negating the need to apply large area vinyl or full colour print. The range comes with a 10 year internal colour warranty and 5 year external warranty. It is available in a 3mm thickness with 0.3mm fabrication quality aluminium outer skins.

The new Prestige range adds to the existing Iribond® collection with brushed and mirror finishes (Gold & Silver) also available from stock.

Characteristics

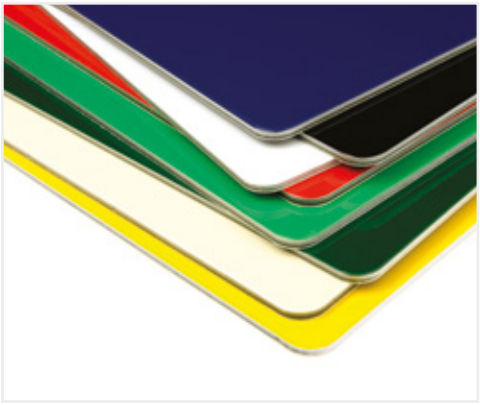
- High performance coating
- Excellent workability
- Distinctive brightness
- Great durability & light weight



Prestige Colour Range

Pink | Lime Green | Turquoise | Sky Blue | Purple | Magenta

Alupanel Aluminium Composite Sheet







Alupanel Aluminium Composite Sheet is a high quality composite sheet product which combines light weight with rigidity and has outstanding weather and UV resistance.

With a smooth even surface finish, class 0 surface spread of flame and class 1 combustibility rating, Alupanel is ideal for a range of industrial, architectural and retail applications.

Available in a range of sheet sizes and thicknesses, you can choose from a standard range of strong, primary colours - including bronze, silver and brushed Aluminium effects.

With colour on both sides of the sheet, Alupanel can be used in signs, shop fittings and wall cladding - the possibilities are endless.

Alupanel gloss/matt – available sheet sizes

Sheet Size	White	Colour	Brushed Aluminium	Silver mirror	Brushed copper/gold & brushed black/copper
2440 x 1220 x 3mm	✓	✓	✓	✓	✓
3050 x 1500 x 3mm	✓	✓	✓		
3050 x 2000 x 3mm	✓				
4050 x 1500 x 3mm	✓				
2440 x 1220 x 4mm	✓				
3050 x 1500 x 4mm	✓				
2440 x 1220 x 6mm	✓				

Alupanel colours

- White RAL 9016
- Light Ivory RAL 1015
- Orange RAL 2004
- Traffic Red RAL 3020
- Green RAL 6005
- Chocolate RAL 8011
- Yellow RAL 1023
- Blue RAL 5022
- Burgundy RAL 3004
- Ultramarine Blue RAL 5002
- Silver RAL 9006
- Dark Grey RAL 7016
- Traffic Green RAL 6024
- Bronze Metallic
- Traffic Grey RAL 7042
- Jet Black RAL 9005
- Brushed Metallic

TransDev PLASTICS

Material Characteristics

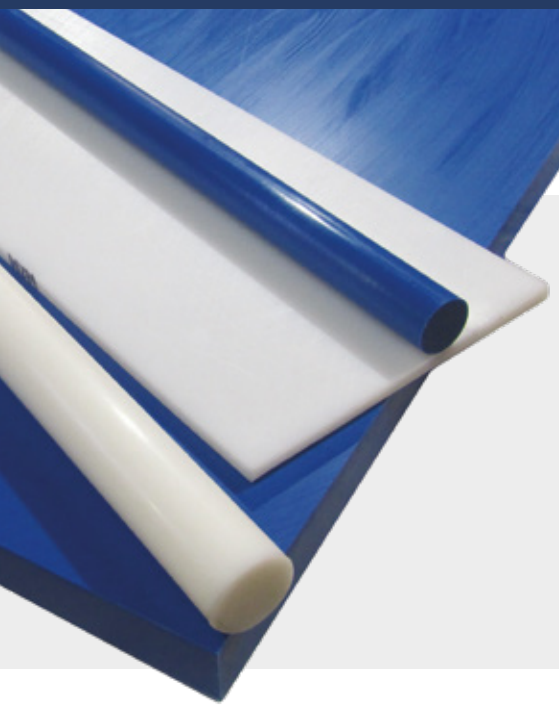


CHARACTERISTICS

PROPERTIES

APPLICATIONS

PLASTICS OVERVIEW
Material Characteristics



TransDev PLASTICS

Our TransDev Plastics technical team have put together a few characteristics of the most widely used Plastics in the industry to help you select the right type of plastic for your application.

Any further technical information not covered can be obtained from our TransDev Plastics Technical Department, who will be glad to assist.

ABS

A tough hard and rigid material with excellent resistance to stress cracking. Low flammability, good resistance to solvents and chemicals. Weather resistant. Widely used as pipes and fittings in drains and wastes and also within the automotive industry.

Acetal

A high strength, temperature resistant, highly crystalline thermoplastic with a high melting point. Low coefficient of friction, good abrasion resistance and dimensional stability make it suitable for machining as per Nylons, having much lower moisture absorption. Ideally suited for electrical insulators requiring exceptional structural strength at high temperatures or moisture conditions and for machining mechanical parts.

Cast Nylons and continuous casting system

Compared to extruded Nylons, Cast Nylons have a very high molecular weight, between 500,000 and 1,000,000; one of the main factors separating Cast Nylon from the other types of Nylons.

The casting method allows a so-called cross-linking to occur throughout the material during polymerization giving Cast Nylon its wear resistance and toughness characteristics, which are a result of the lower temperatures used in the manufacturing process. Extruded Nylons are reprocessed from a polymer in granular form and require two heating processes during manufacture, compared to Cast Nylons, which are in a pre-process liquid state and require only one heat process. This eliminates the stability problems of Extruded Nylons when manufacturing intricate machined parts.

Cast Nylon oil filled

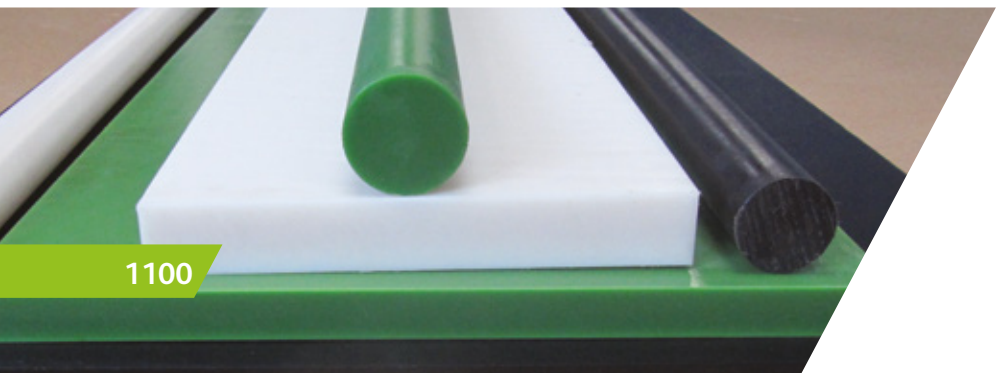
Primarily used for unlubricated moving parts due to the addition of mineral oil during the process stages. The lubricant is evenly distributed and an integral part of the material and will not drain or spin out, even under arduous working conditions and never needs replenishing.

Oil filled Cast Nylon has an increased bearing life - up to five times that of Natural Cast Nylon 6.

The addition of the mineral oil also reduces the coefficient of friction when running dry, resulting in better dimensional stability and rate of wear. Used for bearings, gears, bushes, rollers, wheels, etc.

Cast Nylon heat stabilised

In addition to the specialist pigment used to obtain the colour during processing, UV blocking and heat stabilising substances are also added, enabling the material to retain mechanical properties, even at high operating temperatures - for example short term 140°C and long term 110°C. Used in High temperature, components, cable sheaves, bushes, rollers, bearings, wear strips, PADS etc.





Cast Nylon MOS² filled

During processing, a small amount of Molybdenum Disulphide, a dry powder lubricant, is added, creating an increase in tensile strength, a reduction in the coefficient of friction and linear expansion.

Due to the reduced moisture absorption, this grade is usually specified to improve lubrication.

However, the addition of Molybdenum Disulphide does have an adverse effect on the impact strength and "toughness" of the material.

Used for bushes, bearings, gears, rollers, track plates and high temperature components.

Cast Nylon LMA grade

A specialist grade of Nylon with low moisture absorbency. It is used mainly in applications with a high humidity or water content. It has a high impact strength, even at low temperatures and the greatest resistance to chemicals of all Nylons.

The processing of the material makes it expensive and should only be used in specific applications, where its low moisture absorbency is necessary.

Used in the food and chemical industries and underwater applications.

Extruded Nylons

Hard, resilient materials with low coefficient of friction and good resistance to chemicals.

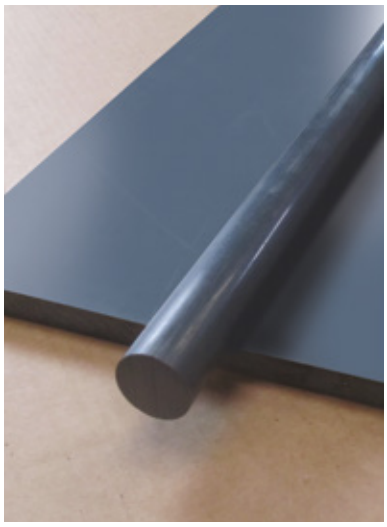
Excellent mechanical strength and good vibration and sound dampening properties. Moisture and temperature influence both the stiffness and strength of Nylons. As temperatures rise, elongation occurs, thereby break and creep increases. Nylon is more moisture absorbent than other Thermoplastics, the rate depending on the type of Plastic used, the relative humidity and size of the material itself. Moisture absorption results in reduced hardness and tensile strength but increases flexibility and impact strength.

Natural Nylons can be affected by ultra violet and black Nylon is recommended for external use.

Extruded Nylon 6

A tough, general-purpose Nylon with a wide range of applications. Highest impact strength of all Nylons, good vibration and dampening qualities and suitable for parts under stress, and capable of withstanding dynamic stress without failure. As with all Nylons, impact strength improves with humidity.

TransDev PLASTICS



Extruded Nylon 6.6

The hardest form of all Nylons and the most rigid of all extruded Nylons. High resistance to abrasion and heat but highly moisture absorbent. The humidity of the application needs to be taken into account and the dimensional changes allowed for. Easy to machine and widely used f or gears, bushes, rollers, wheels, sprockets and bearings.

Nylon 6 Glass filled black

The addition of 20% Glass, produces a material with reinforced dimensional stability, flexibility and increased tensile strength. The additive reduces the coefficient of linear thermal expansion and moisture absorption. Excellent for applications demanding stiffness, creep resistance and resistance to high temperatures.

Nylon 6.6 /6 GX black

A co-polymer of Nylon 6.6 and Nylon 6, combining the benefits of both materials in terms of durability and abrasion resistance, but also being easier to process and machine. The addition of Graphite as a lubricant enhances the life of the material form and requires two heating processes during manufacture, compared to Cast Nylons, which are in a pre-process liquid state and require only one heat process. This eliminates the stability problems of Extruded Nylons when manufacturing intricate machined parts.

U.H.M.W. Pe

An Ultra High Molecular Weight Polyethylene with superior physical properties. Chemical resistant, impervious to water and has a high impact strength. Lightweight and resistant to low temperatures, with excellent coefficient of friction; its thermal stability makes it ideal for guide rails, gear wheels, pulleys and sprockets. **For more information on U.H.M.W. Pe see page1112.**

PTFE

The lowest coefficient of friction of all solid plastics. Excellent chemical resistance against most solvents and chemicals and good thermal stability. Non combustible, almost nil water absorption and excellent weather resistance. Ideal for chemical plants, electrical components, seals, insulators and chain guides, for use in high temperature applications, ie. ovens.

PVC

Polyvinyl Chloride in its unplasticised form is a widely used stock shape Plastic; being low in price, widely resistant to chemical attack, and having mechanical properties, making it suitable for many general engineering applications. Normally available in a grey colour, coloured grades are also available. In addition, special food approved and chlorinated versions are also available.

Applications include change parts, water treatment plant tanks and components, chemical tanks, pipework and lightly stressed mechanical components.

PVDF

A tough, hard and mechanically strong material with good chemical resistance and low coefficient of friction. Excellent electrical insulation properties, low moisture absorption and good resistance to weathering. Widely used in water systems and as linings for pipes, valves, pumps and water tanks, due to being physiologically safe. Not as resistant to high temperatures as PTFE but is stronger and has a greater load and creep resistance at low temperatures. Good mechanical, electrical and chemical properties make it ideal for use in the nuclear engineering, electrical and chemical processing industries.

Polypropylene

A low density, hard and rigid Hydrocarbon Polymer. Excellent resistance to fatigue from flexing, being almost unbreakable. Good electrical properties, resistant to chemicals, solvents, oils and greases. Good temperature resistance and low flammability make it ideal for use in the chemical industry and for claddings.

Polyester

A semi-crystalline Thermoplastic Polyester which exhibits high tensile strength and wear resistance properties. Good chemical resistance to organic chemicals and oils (but note that the material is attacked by oxidised mineral acids and is hydrolysed by hot water). The material has excellent dimensional stability, both in terms of low moisture absorption and good creep resistance. Also suitable for food contact.

Used for bushes, bearings, sliding parts, gears, cams, rollers, etc.

TransDev PLASTICS

Polycarbonate

A hard, rigid material noted for good impact strength and high modulus of elasticity, combined with excellent electrical, low moisture absorption and weathering properties. May be subject to some stress cracking when exposed to certain solvents, paints and adhesives. Widely used in the manufacture of electrical and electronic components; while sheet forms of the material are used to make glazing and safety guard products.

PEEK (Polyether-Etherketone)

PEEK is a semi-crystalline Thermoplastic used for high temperature applications. The material is suitable for continuous use for temperatures up to 240°C and offers excellent chemical resistance, low moisture absorption and excellent wear and abrasion resistance. The material is V-O rated and exhibits very low toxic gas and smoke emission when exposed to flame.

It should be noted that once temperature is above the glass transition temperature of 143°C there is a decline in the stiffness of the material under load.

Glass filled PEEK (450GL30) uses Glass fibre in order to reduce the thermal expansion rate of the material and increase flexural strength. This is especially apposite where temperatures of above 143°C are present.

Bearing Grade PEEK (450FC30) is a grade with added Carbon fibre, Graphite and PTFE, to enhance low friction capabilities of the material, coupled with heat dissipation.

Applications include valve seats, seals, bearings, bushings, electrical insulation components, semi-conductor processing equipment parts, oil field tooling components, etc.

TUFNOL (sheet form)

Phenolic paper grades

Very economical grades. Strong, rigid and good electrical insulation properties. Impact strength not as high as other grades and not recommended for use where toughness and high stress capabilities are required. Excellent as rigid, non-metallic materials and widely used for electrical applications.

Swan Phenolic Paper

Good electrical insulation properties, machines well and used for insulating bushes, spacers and sleeves.

Phenolic cotton grades

The workhorse grades for all general machine applications. Strong, tough and easy to machine with good electrical insulating properties, especially the finer weave grades. Medium to coarse weaves are usually recommended for use where larger, more rugged components are required, being stronger and tougher. Fine weave grades have higher dimensional stability and strength when used in thin sections and also have higher electrical properties.

Bear Phenolic Cotton

Medium weave grade with good electrical properties and lower water absorption than other cotton grades. Bear was especially developed for use as a bearing material. Good dimensional stability and enhanced wear properties give excellent performance when used in bearing applications using water or conventional greases and oils as lubricants.

Whale Phenolic Cotton

Medium weave grade being the most widely used for general purpose applications. Strong and robust with good mechanical and electrical properties.

Carp Phenolic Cotton

High quality, fine weave grade with excellent mechanical strength and electrical properties. Low water absorption. Easily machined to accurate and precise applications.

TransDev SERVICES

SERVICE THAT GOES BEYOND THE STANDARD



TransDev goes beyond standard product supply to provide a full technical service to customers. From onsite visits to testing and research, TransDev draws upon over 50 years of industry experience and highly skilled team members.

- Site visits by technical staff
- On-site Mechanical Assembly
- Drive design and calculation
- Product identification
- Technical applications
- Product testing
- Product customisation
- Custom product manufacture
- New product development
- Research partnerships
- Design software advice and support
- Component kitting





Login to transdev.co.uk to download our range of technical guides

For **TransDev Services** see page 8

BELTS PULLEYS CHAIN SPROCKETS GEARS BEARINGS LINEAR HARDWARE PLASTICS

TransDev®
THE POWER IN MOTION



TECHNICAL DATA

Tapped Holes & Threads 1106

Keyways 1108

Shaft Power, Bore and Shaft Tolerances 1109

Material Strengths & Hardness 1110

International Material Equivalents 1111

Material Properties 1112

Delrin® 500P NC010 . . . . . *1112*

Hostaform *1112*

General Unit Conversions 1113

Tapped Holes

Tapped Holes - Metric

Bore or Shaft Ø		Pin Hole Ø	Grub Screw
Over	Up To		
4	6	1.50	M3
6	8	2.00	M3
8	10	3.00	M3
10	12	4.00	M4
12	17	5.00	M5
17	22	6.00	M6
22	30	8.00	M8
30	38	10.00	M10
38	44	10.00	M10
44	50	10.00	M12
50	58	10.00	M12

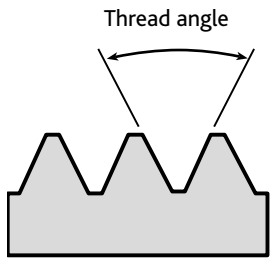
Tapped Holes - Imperial

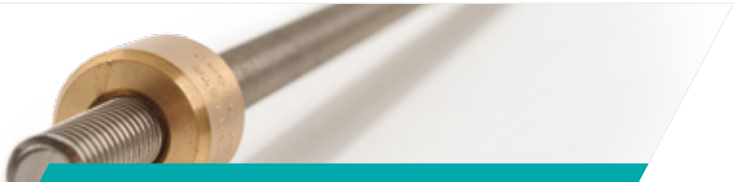
Bore or Shaft Ø (Inches)		Pin Hole Ø (Inches)	Grub Screw
Over	Up To		
0.156	0.312	0.031	M2.5
0.313	0.437	0.062	M3
0.438	0.562	0.125	M4
0.563	0.875	0.187	M5
0.876	1.250	0.250	M6
1.251	1.375	0.250	M8
1.376	1.750	0.375	M10
1.751	2.250	0.500	M12

Threads

Threads - Metric ISO Coarse

Thread	Tapping Drill Ø (mm)	Pitch (mm)	Outside Ø (mm)
60°			
M2	1.60	0.40	2.00
M2.5	2.05	0.45	2.50
M3	2.50	0.50	3.00
M4	3.30	0.70	4.00
M5	4.20	0.80	5.00
M6	5.00	1.00	6.00
M7	6.00	1.00	7.00
M8	6.80	1.25	8.00
M10	8.50	1.50	10.00
M12	10.20	1.75	12.00
M14	12.00	2.00	14.00
M16	14.00	2.00	16.00
M18	15.50	2.50	18.00
M20	17.50	2.50	20.00
M22	19.50	2.50	22.00
M24	21.00	3.00	24.00





See Trapezoidal Screws – Page 1016

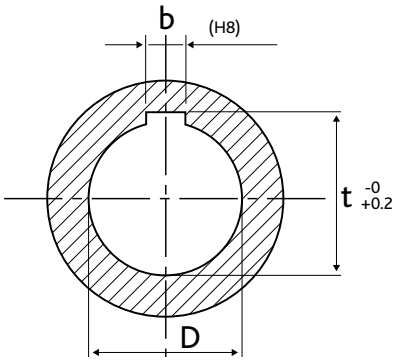
Threads - Imperial BS 1580: 1962

Thread	Ø Hole for Tapping (mm)	Pitch (mm)	(TPI)	ØD (inches)
UNF 60°				
2-64 UNF	1.90	0.40	64	0.09
3-56 UNF	2.15	0.45	56	0.10
4-48 UNF	2.40	0.53	48	0.11
6-40 UNF	2.95	0.64	40	0.14
8-36 UNF	3.55	0.71	36	0.16
10-32 UNF	4.10	0.79	32	0.19
12-28 UNF	4.65	0.91	28	0.22
1/4-28 UNF	5.50	0.91	28	0.25
5/16-24 UNF	6.90	1.06	24	0.31
3/8-24 UNF	8.50	1.06	24	0.38
7/16-20 UNF	9.90	1.27	20	0.44
1/2-20 UNF	11.50	1.27	20	0.50
9/16-18 UNF	12.90	1.41	18	0.56
5/8-18 UNF	14.50	1.41	18	0.63
3/4-16 UNF	11/16"	1.59	16	0.75
7/8-14 UNF	20.42	1.81	14	0.88
1-12 UNF	23.25	2.12	12	1.00
UNC 60°				
2-56 UNC	1.85	0.45	56	0.09
3-48 UNC	2.10	0.53	48	0.10
4-40 UNC	2.35	0.64	40	0.11
6-32 UNC	2.84	0.79	32	0.14
8-32 UNC	3.50	0.79	32	0.16
10-24 UNC	3.90	1.06	24	0.19
12-24 UNC	4.55	1.06	24	0.22
1/4-20 UNC	5.20	1.27	20	0.25
5/16-18 UNC	6.60	1.41	18	0.31
3/8-16 UNC	8.00	1.59	16	0.38
7/16-14 UNC	9.40	1.81	14	0.44
1/2-13 UNC	10.80	1.95	13	0.50
9/16-12 UNC	12.25	2.12	12	0.56
5/8-11 UNC	13.50	2.31	11	0.63
3/4-10 UNC	49/64"	2.54	10	0.75
7/8-9 UNC	19.50	2.82	9	0.88
1-8 UNC	22.25	3.18	8	1.00
BA 47.5°				
0-BA	5.10	1.00	25.38	0.24
1-BA	4.50	0.90	28.25	0.21
2-BA	4.00	0.81	31.35	0.19
3-BA	3.40	0.73	34.84	0.16
4-BA	3.00	0.66	38.46	0.14
5-BA	2.65	0.59	43.10	0.13
6-BA	2.30	0.53	47.85	0.11
7-BA	2.05	0.48	52.91	0.10
8-BA	1.80	0.43	59.71	0.09

Thread	Ø Hole for Tapping (mm)	Pitch (mm)	(TPI)	ØD (inches)
BSP 55°				
1/8 BSP	8.75	0.91	28	0.38
1/4 BSP	11.80	1.34	19	0.52
3/8 BSP	15.25	1.34	19	0.66
1/2 BSP	3/4"	1.81	14	0.83
5/8 BSP	53/64"	1.81	14	0.90
3/4 BSP	24.50	1.81	14	1.04
7/8 BSP	28.25	1.81	14	1.19
1 BSP	30.75	2.31	11	1.31
1 1/4 BSP	39.50	2.31	11	1.65
1 1/2 BSP	1 25/32"	2.31	11	1.88
1 3/4 BSP	51.00	2.31	11	2.12
2 BSP	2 1/4"	2.31	11	2.35
BSF 55°				
3/16 BSF	5/32"	0.79	32	0.19
1/4 BSF	5.30	0.98	26	0.25
5/16 BSF	6.75	1.15	22	0.31
3/8 BSF	8.25	1.27	20	0.38
7/16 BSF	9.70	1.41	18	0.44
1/2 BSF	7/16"	1.59	16	0.50
9/16 BSF	1/2"	1.59	16	0.56
5/8 BSF	14.00	1.84	14	0.63
3/4 BSF	16.75	2.12	12	0.75
7/8 BSF	25/32"	2.31	11	0.88
1 BSF	22.75	2.54	10	1.00
BSW 55°				
1/8 BSW	2.55	0.64	40	0.13
3/16 BSW	3.70	1.06	24	0.19
1/4 BSW	5.10	1.27	20	0.25
5/16 BSW	6.50	1.41	18	0.31
3/8 BSW	5/16"	1.59	16	0.38
7/16 BSW	9.25	1.81	14	0.44
1/2 BSW	10.50	2.12	12	0.50
9/16 BSW	12.10	2.12	12	0.56
5/8 BSW	13.50	2.31	11	0.63
3/4 BSW	41/64"	2.54	10	0.75
7/8 BSW	19.25	2.82	9	0.88
1 BSW	22.00	3.18	8	1.00

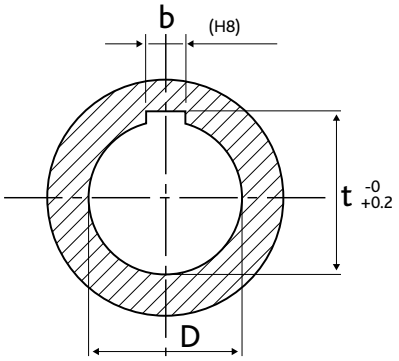
Keyways - British Standard Imperial BS 46: 1958

Bore (inches)	b (inches)	t (inches)
> 1/4 - 1/2	1/8	D + 1/16
> 1/2 - 3/4	3/16	D + 3/32
> 3/4 - 1	1/4	D + 1/8
> 1 - 1 1/4	5/16	D + 1/8
> 1 1/4 - 1 1/2	3/8	D + 1/8
> 1 1/2 - 1 3/4	7/16	D + 5/32
> 1 3/4 - 2	1/2	D + 5/32
> 2 - 2 1/2	5/8	D + 7/32
> 2 1/2 - 3	3/4	D + 1/4
> 3 - 3 1/2	7/8	D + 5/16
> 3 1/2 - 4	1	D + 3/8
> 4 - 5	1 1/4	D + 7/16
> 5 - 6	1 1/2	D + 1/2
> 6 - 7	1 3/4	D + 5/8



Keyways - British Standard Metric DIN 6885 - BS 4235: 1972

Bore (mm)	b (mm)	t (mm)
> 10 - 12	4	D + 1.8
> 12 - 17	5	D + 2.3
> 17 - 22	6	D + 2.8
> 22 - 30	8	D + 3.3
> 30 - 38	10	D + 3.3
> 38 - 44	12	D + 3.3
> 44 - 50	14	D + 3.8
> 50 - 58	16	D + 4.3
> 58 - 65	18	D + 4.4
> 65 - 75	20	D + 4.9
> 75 - 85	22	D + 5.4
> 85 - 95	25	D + 5.4
> 95 - 110	28	D + 6.4
> 110 - 130	32	D + 7.4
> 130 - 150	36	D + 8.4
> 150 - 170	40	D + 9.4





See **Parallel Keys and Keysteels – Page 1129**

Shaft Power (Shaft Diameters)

Approx Torque Transmitted N/M

Material	Shaft Diameter (mm)											
	Ø6	Ø10	Ø12	Ø15	Ø17	Ø20	Ø25	Ø30	Ø40	Ø50	Ø75	Ø100
Nm Mild Steel, EN1A, EN3, 35000 N/m2	1,50	6,60	11,50	23	34	55	105	180	440	840	2800	6600
Nm EN8, EN32, EN58, 45000 N/m2	1,90	8,50	15	28	43	70	135	230	550	1000	3600	8500
Nm EN16, EN19, EN24, EN36, 60000 N/m2	2,50	12,00	20	39	56	95	180	310	750	1500	4800	12000

Shaft Power (Shaft Rotation)

KW = HP x 0,746

Shaft Rotation - H.P. transmitted for given R.P.M. & Nm																
Nm	0.1	0.5	1	2	5	8	10	15	20	25	30	50	100	200	500	1000
RPM																
5								0,01	0,014	0,017	0,002	0,035	0,07	0,15	0,35	0,70
10						0,011	0,014	0,02	0,028	0,038	0,041	0,07	0,15	0,28	0,70	1,40
20					0,014	0,023	0,028	0,04	0,056	0,07	0,085	0,14	0,28	0,55	1,40	2,80
50				0,014	0,038	0,055	0,007	0,10	0,14	0,17	0,21	0,35	0,70	1,40	3,50	7
100			0,014	0,028	0,07	0,115	0,14	0,21	0,28	0,35	0,41	0,70	1,45	2,80	7	14
200		0,014	0,028	0,055	0,14	0,23	0,28	0,42	0,57	0,70	0,85	1,50	2,90	5,60	14	28
300		0,021	0,420	0,82	0,21	0,35	0,41	0,62	0,85	1,05	1,25	2,10	4,20	8,50	21	42
400		0,028	0,055	0,11	0,28	0,45	0,55	0,85	1,10	1,40	1,70	2,80	5,60	11	28	56
500		0,035	0,07	0,14	0,35	0,56	0,70	1,05	1,40	1,75	2,10	3,50	7,00	14	35	70
750	0,010	0,051	0,10	0,21	0,52	0,85	1,05	1,60	2,10	2,70	3,10	5,20	10,40	21	52	107
1000	0,015	0,07	0,14	0,28	0,70	1,15	1,40	2,10	2,80	3,50	4,20	7,00	14	28	70	140
1500	0,022	0,10	0,21	0,40	1,00	1,70	2,10	3,10	4,20	5,10	6,20	10,50	21	41	100	210
2000	0,029	0,16	0,28	0,55	1,40	2,30	2,80	4,10	5,50	7	8,40	14	28	56	140	280
3000	0,044	0,24	0,42	0,82	2,10	3,50	4,20	6,20	8,50	10	12,50	21	43	85	210	420
4000	0,060	0,27	0,56	1,10	2,80	4,50	5,50	8,50	11	14	18	28	58	110	280	560
5000	0,072	0,35	0,70	1,40	3,50	5,60	7	10,50	14	17	21	35	70	140	350	700
8000	0,120	0,55	1,10	2,30	5,50	9,20	11	17	23	28	34	56	115	230	550	1150
10000	0,150	0,70	1,40	2,80	7,00	11,50	14	21	29	35	42	71	140	280	700	1400

Bore and Shaft Tolerances (Extracted from BS 4500: 1969)

Ø Range (mm)		Bore Tolerances				Shaft Tolerances											
						Clearance Fit				Transition Fit				Interference Fit			
		H7		H8		f7		g6		k6		n6		p6		s6	
over	up to	low	high	low	high	low	high	low	high	low	high	low	high	low	high	low	high
0	3	0	+0.010	0	+0.014	-0.006	-0.016	-0.002	-0.008	+0.006	0	+0.010	+0.004	+0.012	+0.006	+0.020	+0.014
3	6	0	+0.012	0	+0.018	-0.010	-0.022	-0.004	-0.012	+0.009	+0.001	+0.016	+0.008	+0.020	+0.012	+0.027	+0.019
6	10	0	+0.015	0	+0.022	-0.013	-0.028	-0.005	-0.014	+0.010	+0.001	+0.019	+0.010	+0.024	+0.015	+0.032	+0.023
10	18	0	+0.018	0	+0.027	-0.016	-0.034	-0.006	-0.017	+0.012	+0.001	+0.023	+0.012	+0.029	+0.018	+0.039	+0.028
18	30	0	+0.021	0	+0.033	-0.020	-0.041	-0.007	-0.020	+0.015	+0.002	+0.028	+0.015	+0.035	+0.022	+0.048	+0.035
30	50	0	+0.025	0	+0.039	-0.025	-0.050	-0.009	-0.025	+0.018	+0.002	+0.033	+0.017	+0.042	+0.026	+0.059	+0.043
50	80	0	+0.030	0	+0.046	-0.030	-0.060	-0.010	-0.029	+0.021	+0.002	+0.039	+0.020	+0.051	+0.032	+0.072	+0.053
80	120	0	+0.035	0	+0.054	-0.036	-0.071	-0.012	-0.034	+0.025	+0.003	+0.045	+0.023	+0.059	+0.037	+0.093	+0.071

Material Strengths & Hardness

Material Strengths

Material	Condition	Tensile Strength lbf/in2	Surface Stress Sc	Bending Stress Sb	Tensile Strength N/mm2	Elongation after Fracture %	02% Proof Stress N/mm2	Melt Point	Max. Service Temp.	
									Long Term	Short Term
Nylon 66		9500	500*	3900	62 - 82	20% 200%	–	255°C	100°C	170°C
Delrin (Polyacetal)		10000	500*	3900*	69	60%	–	175°C	90°C	150°C
Tufnol	WHALE	9800	560	4500	68	–	–	–	120°C	130°C
Cast Iron	GR17 (260)	35800	1400	9000	260	–	–			
Brass	–	–	700*	7000*	–	–	–			
Aluminium Alloy	HE15		500	13000	295	6% - 8%	230			
Aluminium Bronze	AB2		900	9000	420 - 720	18% - 40%	140- 660			
Phosphor Bronze	PB2 Sand Cast	26800	700	7000	360-500	6.25%	170 - 280			
(EN32A) 045M10		71680	1400	17000	430	18%	–			
(EN32A) 045M10	Case Hardened	71680	9200	40000	–	–	–			
(EN8) 080M40		78400	1400	19000	510-550	16% - 17%	–			
(EN8) 080M40	Induction	78400	2800	17000	–	–	–			
(EN24) 817M40		112000	3000	32000	850 - 1550	5% - 13%	635 - 1125			
(EN24) 817M40	Induction/ through	112000	5000	26500	–	–	–			
(EN36) 655M13	Case Hardened	123200	11000	50000	–	–	–			
(EN58AM) 303S21	–	78400	1800	20000	480 - 510	35% - 40%	180 - 20			

Note: 1N/mm2 = 1 MPa Sc & Sb values are in LBS * Estimated values Not heat treated

Material Hardness Values

Rockwell 'C' Scale 120°-150kg	Rockwell 'B' Scale 1" Ball 100kg	Firth Vickers 120kg	Brinell 10mm Ø 3000kg	Tons Per -Ins^2	Material and Condition Thru HDN Values Dependent Onlimiting Ruling Sections			
-20	67	114	114	26	EN1,3B			
-9	74	131	131	30	EN32			
1	83	156	156	36	EN8	EN56, 58		
10	90	187	187	41				
15	93	202	201	44	EN9, 16	EN19, 33	EN8R, 34	EN351, 40
20	97	223	223	49	EN24, 36 as rolled			
25	101	256	255	55	EN16T, 19T, 24T	EN36T, 24T	EN57	
30	105	287	285	62				
35	109	339	334	72				
40	112	389	375	82				
45	115	454	429	94	EN24, 25, 26, 30			
50	120	540	495	108	EN8 IND HDN	EN16 THR'HD	EN19 THR'HD	EN26 THR'HD
55		633	555	121	EN24 IND HDN			
57		675	578	126	EN40B, 41 Gaseous Nitride			
60		765	627	137	EN36 CASE/HD	EN32C/H, 33C/H	EN34C/H	EN31 THR'HD
63		867	652	144				
65		940	682	150	EN56, 58 Plasma Nitride			
67		1060	725	160				
70		1150	780	171				

International Material Equivalents

En. No.	B.S. 970 : 1983	WERKSTOFF	AFNOR (France)	DIN Kurzname (Germany)	USA - AISI/SAE	Steels Type
1A	220M07	1.0711		9 S 20	1113	CCMFS
32C	080M15	1.1141	XC18	C 15	1016	CS
3B	070M20	1.0402	XC25	C 22	1020	CS
5C	080A32	1.1180	XC38	Cm 35	1035	CS
	070M26		50C30		1026	CS
6	080M30	1.1178		Ck 30	1030	CS
8	080M40	1.1186	60C40	Ck 40	1040	CS
8 A & B	080A35/37	1.1180	55C35	Cm 35	1035/1038	CS
8C	080A40	1.1186	XC42H1	Ck 40	1040	CS
8M	212M36	1.0726	35MF6	35 S 20	1140	CCMFS
	080M46	1.1191	XC48	Ck 45	1045	CS
9	070M55	1.0535	XC38	C 55	1055	CS
18B	530A32	1.7033	32C4	34 Cr 4	5130	AS
19	708M40	1.7225	42CD4	42 CrMo 4	4140	AS
19B	708A37	1.7220	35CD4	34 CrMo 4	4137	AS
24	817M40	1.6565	35NCD6	40 CrNiMo 6	4340	AS
26	826M40	1.6745	35NCD14	40 NiMoCr 10 5		AS
30B	835M30	1.6747	35NCD16	30 NiCrMo 16 6		AS
31	535A99	1.3505	100C6	100 Cr 6	52100	AS
202	214M15				1118	CCMFS
32A	045M10	1.1178	34C10	C 10	1010	CS
32M	210M15	1.1186		15 S 20	1117	CCMFS
36	655M13	1.1180	12NC15	14 NiCr 14	3415	AS
39B	835M15	1.1186	16NCD17	15 NiCrMo 16 5		AS
40B	722M24	1.0726	30CD12	32 CrMo 12		AS
43A	080M50		XC48H1		1049	AS
56AM	416S21	1.4005	Z12CF13	X 12 CrS 13	416	SHRS
58M	303S31	1.4305	Z10CNF18.9	X 10 CrNiS 18 9	303	SHRS
	316S33	1.4436	Z6CND17.12	X 5 CrNiMo 17 13 3	316	SHRS

CS- Carbon Steels. CCMFS- Carbon and Carbon Manganese free cutting steels. AS-Alloy steels. SHRS- Stainless and heat resistant steels.

Delrin® 500P NC010 Properties

Properties	Value	Unit
Mechanical properties		
Tensile modulus	3100	MPa
Yield stress	714	MPa
Yield strain	17	%
Nominal strain at break	30	%
Tensile creep modulus, 1h	2800	MPa
Tensile creep modulus, 1000h	1600	MPa
Charpy impact strength, +23°C	300	kJ/m²
Charpy impact strength, -30°C	300	kJ/m²
Charpy notched impact strength, +23°C	9	kJ/m²
Charpy notched impact strength, -30°C	8	kJ/m²
Puncture - maximum force, +23°C	2000	N
Puncture energy, +23°C	3	J
Thermal properties		
Melting temperature, 10°C/min	178	°C
Temp. of deflection under load, 1.80 MPa	95	°C
Temp. of deflection under load, 0.45 MPa	160	°C
Vicat softening temperature, 50°C/h 50N	155	°C
Coeff. of linear therm. expansion, parallel	100	E-6/K
Coeff. of linear therm. expansion, normal	100	E-6/K
Burning Behav. at 1.5 mm nom. thickn.	HB	class
Thickness tested (1.5)	1.5	mm
Yellow Card available	Yes	-
Burning Behav. at thickness h	HB	class
Thickness tested (h)	0.8	mm
Yellow Card available	Yes	-
Burning rate, thickness 1 mm	20	mm/min
FMVSS	B	-
Oxygen index	22	%

Properties	Value	Unit
Electrical properties		
Relative permittivity, 100Hz	3.8	-
Relative permittivity, 1MHz	3.8	-
Dissipation factor, 100Hz	90	E-4
Dissipation factor, 1MHz	90	E-4
Volume resistivity	2E12	Ohm*m
Surface resistivity	4E14	Ohm
Electric strength	44	kV/mm
Comparative tracking index	600	-
Other properties		
Water absorption	1.3	%
Humidity absorption	0.2	%
Density	1420	kg/m³



Hostaform Properties

Properties		Test Method	Unit	Value
Physical Properties				
Density		ISO 1183	g/cm³	1.41
Water Absorption	23°C, 50%RH	ISO 62	%	0.65
Mechanical Properties				
Tensile Strength at Yield	23°C	ISO 527	MPa	63
Nominal Strain at Break	23°C	ISO 527	%	30
Flexural Modulus	23°C	ISO 178	MPa	2,400
Charpy Notched Impact strength	23°C	ISO 179/1eA	kj/m²	8
Tensile Modules	23°C	ISO 527	MPA	2650
Thermal Properties				
Melting Temperature		ISO 527	°C	166
Heat Deflection Temperature		ISO 527	°C	100

British to International Units

Area	
1 yd^2 (sq yard)	0.836 127 m^2
a ft^2 (sq foot)	0.092 9030 m^2
1 in^2 (sq inch)	6.451 6 cm^2
1 in^2 (sq inch)	645.16 mm^2

Velocity	
1 mile/h (m.p.h.)	1.609 34 km/h
1 ft/s	0.304 8 m/s
1 ft/min	0.304 8 m/min

Capacity	
1 gal	4.546 09 dm^3
1 qt (quart)	1.136 51 dm^3
1 pt (pint)	0.568 261 dm^3
1 gill	0.142 065 dm^3
1 fl oz	28.413 1 cm^3

Length	
1 mile	1.609 34 km
1 furlong	0.201 168 km
1 chain	20.1168 m
1 yd	0.914 4 m
1 yd	914.4 mm
1 ft	0.304 8 m
1 ft	304.8 mm
1 in	2.54 cm = 25.4 mm
1 milli-inch ('thou')	25.4 µ

Volume	
1 yd^3 (cubic yard)	0.764 555 m^3
1 ft^3 (cubic foot)	28.316 8 dm^3
1 in^3 (cubic inch)	16.387 1 cm^3
1 in^3 (cubic inch)	16,387 mm^3

Force	
1 tonf	9964.02 N
1 lbf	4.448 22 N
1 ozf	0.278 014 N

Mass	
1 ton	1016.047 kg
1 stone	6.350 29 kg
1 lb	0.453 592 37 kg
1 oz	28.349 5 g
1 slug	14.593 9 g

Density	
1 ton/yd^3	1328.94 kg/m^3 (1.328 94 t/m^3)
1 lb/ft^3	16.018 5 kg/m^3
1 lb/in^3	27.679 9 g/cm^3
1 lb/gal	0.099 776 3 kg/dm^3 = 0.099 78 kg/l
1 slug/ft^3	515.379 kg/m^3

Mass per unit length	
1 lb/ft	1.488 16 kg/m
1 lb/in	17.858 0 kg/m
1 oz/in	11.161 2 g/cm

Acceleration	
1 ft/s^2 (foot per second per second)	0.304 8 m/s^2

Moments of Inertia	
1 lb ft^2	0.042 140 1 kg m^2
1 lb in^2	2.926 40 kg cm^2
1 oz in^2	0.182 900 kg cm^2
1 slug ft^2	1.355 82 kg m^2

Moment of section *(second moment of area)*	
1 ft^4	86.309 7 dm^4
1 in^4	41.623 1 cm^4

Torque	
1 Ft./Lbs	1.356 Nm

International to British Units

Length	
1 km	0.621 371 mile
1 m	1.09361 yd
1 dm	0.328 084 f
1 cm	0.393 701 in
1 mm	0.039 in
1 µm	0.039 370 1 µ in

Volume	
1 m^3	1.307 95 yd^3
1 dm^3	0.035 314 7 ft^3
1 cm^3	0.051 023 7 in^3
1 mm^3	0.000 061 1 in^3
1 l (litre)	0.2200 gals

Area	
1 km^2	247.105 acres
1 m^2	1.195 99 yd^2
1 cm^2	0.155 000 in^2
1 mm^2	0.001551 in^2

Force	
1 Nm	0.224 809 lbf ft = 7.233 01 pdl Torque
1 Nm	0.737 562 lbf ft = 8.8507 lbf ins

Torque	
1 Nm	0.737 ft/lbs

Density	
1 kg-m^3	0.062 428 0 lb/ft^3
1 g-cm^3	0.036 127 3 lb/ft^3

Velocity	
1 km/H	0.621 731 mile/h
1 m/s	3.280 84 ft/s

Mass	
1 kg	2.204 62lb
1 g	0.305 274 0 oz = 15.4324 gr (grain)

Acceleration	
1 m-s2	3.280 84 ft/s2

INDEX

A

Accumulator Chain **566**

Acetal/DELRIN® 500 Plastic
- Metric Bevel Gears 806
- Metric Mitre Gears 789, 792
- Metric Racks 774
- Metric Spur Gears 754
- Pulleys 330

Adaptor Sleeves **881**

Aluminium Composite Sheet
- Alupanel 1098
- Iribond 1097

Aluminium Pulleys **330**

American Standard (ASA) Chain **501**

Antistatic
- Belts 300
- Conductivity Meter 32

Anti-vibration Mountings **1054**

Angular Contact Bearings **830**

ASA Attachment Chain
- TYC® 601
- Wippermann 556
- Witra® 635

ASA Roller Chain
- TYC® 580
- Wippermann 547
- Witra® 625

ASA Extended Pitch Chain **594**

ASA Double Pitch Chain **551**

ASA Pilot Bore Sprockets (Steel) **680**

AT Series Pilot Bore Pulleys **332**
- AT3 334
- AT5 335
- AT10 338
- AT20 342
- ATP10, ATP15 & ATS15 343
- ATK5, ATK10, ATK20 331

AT Series PU Belts **33**
- AT3 36
- AT5, ATL5 38
- AT10, ATL10 41
- ATP10, ATP15 44
- AT20, ATL20 49
- BAT10, BATK10, BAT15, BATK15 112
- SFAT10, SFAT15, SFAT20 120

ATN Flexi-Flight PU Belts **125**
- ATN10, ATN10DC 131
- ATN12.7 ATN12.7DC 132
- ATN20 133
- ATNS20 134
- ATN10-K6 135
- ATN12.7-K6 136
- ATN Inset Parts and Screws 128

Attachment Chain
- TYC® 598
- Wippermann 556
- Witra® 635

Axial Plain Bearings **856**

B

Ball Bearings **822**

Ball Bushings
- IKO 940, 946
- NTN 924

Ball Guides and Rails
- IKO 942
- NTN 891

Ball Screws **925**

Ball Screw Supports
- NTN 925

Ball Slides **944**

Ball Splines
- IKO 947
- NTN 925

Bar Stock
- AT5, AT10 345
- T2.5, T5, T10 358
- HTD3M, HTD5M 377
- MXL 423
- XL, L 424

BEARINGS 819
- Accessories 881
- Ball Bearings 822
- Bearing Housings 857
- Bearing Housing Inserts 875
- Bearings with Integrated Sensors 882
- Bearings with Solid Lubrication 880
- Cam Followers 856
- Combined Bearings 849
- Components 881
- Industrial Constant Velocity Joints 882
- Lube Solutions 821
- Needle Roller Bearings 845
- Popular Metric Bearings 826
- Rod End Bearings 850
- Roller Bearings 837
- Spherical Plain Bearings 853
- Split Bearings 882
- Tension Levellers 882
- Tools 821

BELTS 15
- PU 15
- Rubber 195
- Special Belts 281

Belt Backings **285**

Belt Connecting Systems **299**

Belt Tension Meter **32**

Bevel Gears **796**

Biathlon Chain (Wippermann) **528**
- Biathlon KS Chain 532

Bike Chain **615**

Blue Glass-filled Nylon 6 Plastic
- Metric Mitre Gears 790
- Metric Spur Gears 736

Bonded Belt Backings **288**

Brass
- Imperial Mitre Gears 795
- Metric Mitre Gears 788
- Pulleys 330

BRECO® & BRECOFLEX® PU Belts **22**
- AT Series 37
- T Series 59
- HTD Series 71
- Imperial Series 79
- BRECO*classic*® 29
- BRECO*basic*® 137
- BRECO*move*® & BRECOFLEX*move*® 155
- BRECO*protect*® 145
- BRECO® Self Tracking 94
- BRECO® ATN Series 125
- Backings 285
- Flat Belts 169
- Mechanical Joint System 127

British Standard (BS) Chain
- BS Attachment Chain
  - TYC® 598
  - Wippermann 556
  - Witra® 635
- BS Roller Chain
  - TYC® 578
  - Wippermann 508
  - Witra® 622

Bronze
- Trapezoidal Nuts 1023
- Wormwheels 811

BS Sprockets **654**
- Double Simplex 671
- Idler Sprockets 678
- Pilot Bore (Cast Iron) 668
- Pilot Bore (Steel) 655
- Pilot Bore (Stainless Steel) 672
- Taper Bore (Steel & Cast Iron) 673

Bushes **957**
- Ball Bushings 924,946
- Drivelock® Shaft Locking Elements 960
- Miniature Stroke Rotary Bushings 946
- Taper Bushes 958
- Translock® Mini Keyless Shaft Locking Bushes 978
- Splined Bushes 1127

C

C Guide Strips - Machined **1073**

Cam Followers **856**

Carbon Belts
- CONTI SYNCHROCHAIN CARBON PU Belts 92
- CONTI SYNCHROFORCE CARBON Rubber Belts 218

Cast Acrylic Sheet **1090**
- Perspex® 1092
- Policril® 1091

Cast Iron
- Bearing Housing Units 858
- Pilot Bore Sprockets 668
- Pulleys 330
- Taper Bore Sprockets 673
- Worms and Wormwheels 814

Cast Nylon Plastics 1083

CHAIN 501
- Couplings 993
- Guide Rails 1067
- Riders 1041
- Tensioners (Resatec®) 1032
- Tensioners (Driveflex®) 1061
- Torque Limiters 701

Check Weigher Belts (Esband) 326

Clamp Plates 437

Classical Moulded Vee Belts 253

Classical Wrapped Vee Belts 249

Coloured PU Belts 297

Combined Bearings 849

Combitex Backings 297

Construction Plastics 1083

CONTINENTAL® Belts 20
- PU Belts 20
- Rubber Belts 198
- SYNCHROFLEX PU Belts 20
- SYNCHROFLEX GEN III PU Belts 20
- SYNCHRODRIVE PU Belts 70
- SYNCHROCHAIN PU Belts 87
- SYNCHROCHAIN CARBON PU Belts 89
- SilentSync Rubber Belts 237
- SYNCHROFORCE CXP & CXA Rubber Belts 213
- CONTI-V Belts 242
- CONTI-V MULTIRIB Poly V Belts 268

Conveyor Belts (Esband) 322

Conveyor Belts (Roller) 1136

Copperhead Chains (Wippermann) 544

Couplings 981
- Beam Couplings 984
- Chain Couplings 993
- Gear Couplings 994
- HRC Parallel Bore 988
- HRC Taper Bore 989
- Jaw Couplings 992
- Rigid Couplings 982
- Tyre Couplings 996

Crossed Roller Ways 945

CTD Series Rubber Belts
- CONTI SYNCHROCHAIN PU Belts 87
- CONTI SYNCHROFORCE Rubber Belts 213
- CXA (CONTI SYNCHROFORCE) Belts 213
- CXP (CONTI SYNCHROFORCE) Belts 213

Cylindrical Roller Bearings 838

D

DELRIN® 500 Plastic
- Metric Bevel Gears 806
- Metric Mitre Gears 789, 792
- Metric Racks 774
- Metric Spur Gears 754
- Pulleys 330

Deep Groove Ball Bearings 824

Design Software
- CONTI® Professional 31
- MULCO® Belt Pilot 30

D.I.D Chain 643

Display Plastics 1089

Double Pitch Chain
- Wippermann 551
- Witra® 633

Double Row Self Aligning Ball Bearings 832

Double sided HTD Rubber Belts 208

Double sided Imperial Rubber Belts 232

Double Simplex Sprockets 671

Double-sided Vee Belts 266

Drawn Cup Roller Bearings 848

Draw-down Belts 303

Driveflex®
- Bearing Housings 857
- Collars 998
- Couplings 981
- Gears 703
- Popular Metric Bearings 826
- Pulleys 327
- Shaft Collars 998
- Spherical Plain Bearings 853
- Sprockets 651
- Taper Bushes 958
- Trapezoidal Screws & Nuts 1016
- Universal Joints 1006

Drivelock® Bushes 960

Duplex Chain 501

Duplex Sprockets 651

Duracon® Flexible Metric and Imperial Racks 777

E

Eagle (CONTI SilentSync)
- Belts 237
- Pulleys 240

Easy Break Chain 544

E Tension Members 28

Endless Backings (Vulcanised) 289

Environment Resistant Chain
- D.I.D. 645
- Wippermann 516

Esband Belting 320
- Check Weigher Belts 326
- Conveyor Belting 322

Extended Pitch Chain (TYC®) 594

Extra Wide Series PU Belts 165

Extruded Acrylic Sheet 1094

Extruded Nylon Plastics 1083

F

Feedworms 1068

FERROPAN® Friction Belts 190

Flat Belts
- PU (BRECO and BRECOFLEX) 169
- Rubber (Transflat) 277
- Truly Endless (Esband) 320

Flat Belt Guides - Machined 1075

Flex Belts 22

Flexible DURACON® Racks 777

Flights 293

Foamed PVC Sheet 1096

Food
- Timing Belts (BRECO*protect*®) 145
- Endless Belts (Esband) 320
- Flat Belts (BRECO*protect*®) 154
- Friction Belts (Volta) 179
- Gears & Racks 703
- Special Belts 281

Form-Fill-Seal Machine Belts 303

Friction Belts Rubber 277

G

Garden Belts 257

GEARS & RACKS 703

Gearboxes 815

Gear Couplings 994

Glass-filled Nylon 6 Plastic
- Metric Mitre Gears 790
- Metric Spur Gears 736
- Racks 775

Glide Strips - Machined 1074

Guide Rails - Extruded 1067

Guide Rails for Wide Belts 1075

H

HARDWARE 953

Haul-off Belts 311

H Pitch
- Pilot Bore Pulleys 416
- PU Timing Belts 83
- Rubber Timing Belts 228
- Taper Bore Pulleys 432

Heavy Duty Chain
- TYC® 589
- Wippermann 552
- Witra® 627

INDEX

Heavy Duty Timing Belts
BRECOmove & BRECOFLEXmove PU Belts 155
CONTI SYNCHROCHAIN PU Belts 87
CONTI SYNCHROFORCE Rubber Belts 213

Helical Racks & Pinions
Racks 779
Pinions 780

HG (High GRIP) Vee Belt **186**

High Precision Ball Bearings **834**

High Precision Roller Bearings **844**

Hollow Round PU Belts (Volta) **184**

Hollow Pin Roller Chain
TYC® 611
Wippermann 553

HOSTAFORM® Plastic
Metric Bevel Gears 804
Metric Mitre Gears 791
Metric Spur Gears 742
Racks 776

HRC Parallel Bore Couplings **988**

HRC Taper Bore Couplings **989**

HTD Series PU Belts **69**
3M 72
5M 72
8M 73
14M 74
20M 74

HTD Series Rubber Belts **197**
Double Sided 5M, 8M, 14M 208
Single Sided 3M, 5M, 8M, 14M 200
Spiral Cut Open Length 3M, 5M, 8M 211
High Power/Heavy Duty 3M, 5M, 8M, 14M 213

HTD Series Pilot Bore Pulleys **360**
3M 363
5M 365
8M 368
14M 372
3M & 5M Bar Stock 377

HTD Series Taper Bore Pulleys **378**
5M 381
8M 382
14M 386

HTD Special Timing Pulleys **330**

I

Idler Sprockets **678**

IKO Linear Solutions **933**

Imperial Bevel Gears (Steel) **797**

Imperial Bore Collars **1002**

Imperial Mitre Gears
Brass 795
Nylon 6 Plastic 795
Steel 794

Imperial Racks Steel **778**

Imperial Rubber Belt Series **219**
Double Sided XL, L, H 232
Single Sided MXL, XL, L, H, XH 222

Imperial Series Pilot Bore Pulleys **404**
H 416
L 413
MXL 407
MXL, XL, L Bar Stock 423
XH & XXH 421
XL 412

Imperial Series PU Belts **75**
MXL 78
T1/5" (XL) 79
T3/8" (L) 81
T1/2" (H) 83
T7/8" (XH) 85

Imperial Series Taper Bore Pulleys **426**
H 432
L 429

Imperial Spur Gears Steel **759**

Industrial Constant Velocity Joints **882**

J

Jaw Couplings **992**

Joined Belts **299**

K

Keys (Parallel, Metric) **1128**

Keysteel (Metric) **1133**

L

L Pitch
Pilot Bore Pulleys 413
PU Timing Belts 81
Rubber Timing Belts 226
Taper Bore Pulleys 429

Lawn & Garden Belts **257**

Leaf Chain
TYC® 616
Wippermann 572
Witra® 640

Levelling Feet **1057**

LINEAR 883
IKO Linear 933
NTN Linear 887

Linear Axis **926**

Linear Belts (BRECO®) **22**
AT Series 33
T Series 53
HTD Series 69
Imperial Series 75
Self Tracking 94

Linear Shaft **898**

Linear Tables
IKO 948
NTN 927

Low Maintenance Chain
D.I.D. 643
TYC® 591
Wippermann 516

Low Noise Belts (CONTI SilentSync) **237**

Low Noise Pulleys (CONTI SilentSync/Eagle) **240**

Lube Solutions (Bearings) **821**

M

Machined Backings **286**

MACHLINE High Precision Ball Bearings **835**

Maintenance-free Chain
Wippermann 516

Marathon Chain (Wippermann)
Double Pitch Roller Chain 525
Marathon RF Chain 526
Roller Chain 518
Stainless Steel Roller Chain 526
Straight Side Plate Chain 522

Measuring Tools (Belts) **32**

Metal 'C' Profiles **1072**

Metric Racks **768**

Metric Bevel Gears **796**
Moulded HOSTAFORM® Plastic 804
Moulded DELRIN® 500 Plastic 806
Spiral Bevel (Steel) 807
Steel 798

Metric Bore Shaft Collars **999**

Metric Keys and Key Steels **1129**

Metric Mitre Gears **781**
Acetal/DELRIN® Plastic 789
Brass 788
Glass-Filled Nylon 6 Plastic 790
Moulded HOSTAFORM® Plastic 791
Moulded DELRIN® 500 Plastic 792
Spiral (Steel) 793
Stainless Steel 787
Steel 782

Metric Pitch Pulleys **327**

Metric Racks **767**
Acetal/DELRIN® Plastic 774
Continuous Mounting 769
Flexible DURACON® Plastic 777
Glass-Filled Nylon 6 Plastic 775
Helical 779
Moulded HOSTAFORM® Plastic 776
On Imperial Bases 771
Round Section 773
Stainless Steel 772
Steel 768

Metric Splines and Bushes 1124

Metric Spur Gears 707
- Glass-Filled Nylon 6 736
- Moulded DELRIN® 500 Plastic 754
- Moulded HOSTAFORM® Plastic 742
- Stainless Steel 730
- Steel 708

Miniature Ball Bearings 829

Miniature Guides and Rails
- IKO 940
- NTN 890

Miniature Stroke Rotary Bushings 946

Mitre Gears 781

Motorcycle Chain 615

Moulded
- Bevel Gears (Metric) 804
- Flights/Profiles 293
- Mitre Gears (Metric) 791
- Racks (Metric) 776
- Special Belts 281
- Spur Gears (Metric) 742

Mounting Clamps & Supports 1043

MULCO®
- Belt Pilot PU Belt Design Software 30
- Clamp & Tension Plates 438
- Tension Meter 32

MXL Pitch
- Bar Stock 423
- Pilot Bore Pulleys 407
- PU Timing Belts 78
- Rubber Timing Belts 222

N

Needle Roller Bearings 845

Nickel Plated Roller Chain
- TYC® 588
- Witra® 630

NTN-BCA Ball Bearings 836

NTN®
- Bearings 819
- Linear Motion 887

Nuts (Trapezoidal) 1021

Nylon 6 Plastic
- Imperial Mitre Gears 796
- Metric Mitre Gears 790
- Metric Spur Gears 736
- Racks 775

Nylon Sleeve Gear Couplings 994

O

Optimax® Flat Belts (Transflat) 277

O Ring Chain 647

Oscillating Mountings 1048

P

Parallel Keys 1130

PEEK Plastics 1103

Perspex® 1092

PETG Sheet 1095

Pillow Blocks 857

Pilot Bore
- Pinions 780
- Platewheels 687
- Pulleys 327

Pinions
- Gears 703
- Helical 780

PLASTICS 1063

Plastic
- Bearing Housings 871
- Gears 703
- Guide Rails 1067
- Pulleys 330
- Wearstrips 1072

Platewheels 687

POLY CHAIN® Series Pulleys 391

Policril® Acrylic Sheet 1090

Polyketone
- Metric Bevel Gears 804
- Metric Mitre Gears 791
- Metric Racks 776
- Metric Spur Gears 742

Polyurethane Belts 15

Poly Vee Drive Belts 267

Poly Vflex Belts 271

Poly Vflex Convey Belts 1136

Poly Vee Pulleys 490
- PJ Type 492
- PL Type 494

Polycarbonate Sheet 1095

Polyester Plastics 1084

Polyethylene Plastic Sheets 1084

Polypropylene Plastics 1084

Popular Metric Bearings 826

PowerRated® Garden Vee Belts 258

Profiled PU Belts 292

Profiles 293

Protective Gaitors (Universal Joint) 1015

PTFE Plastics 1084

PU BELTS (POLYURETHANE) 15

PU Belt Measurement Tools 32

PULLEYS 327
- AT Series 332
- Eagle (Silentsync) 240
- HTD Series (Pilot Bore) 360
- HTD Series (Taper Bore) 378
- Imperial Series (Pilot Bore) 404
- Imperial Series (Taper Bore) 426
- Poly Chain® 391
- Poly Vee (Eagle) 490
- SilentSync (Eagle) 240
- Syncrochain® 391
- T Series 346
- Vee 443

R

Radial Ball Bearings 823

Raw Edge Moulded Cog Wedge Vee Belts 247

Renold Gearboxes 815

RESATEC® 1031
- Anti-vibration 1054
- Chain Rider 1041
- Levelling Feet 1057
- Mounting Clamps & Supports 1043
- Oscillating Mounting 1048
- Roller Set Tensioners 1042
- Rubber Suspension Units 1044
- Sprocket Set Tensioners 1038
- Universal Tensioners 1032

Ridge Top PU Belts (Volta) 187

Rod End Bearings 850
- Female 851
- Male 852

Roller Bearings 837
- Cylindrical 838
- Spherical 840
- Tapered 842
- High Precision (Ultage) 844

Rollers (Bearing) 881

Roller Chain (British Standard)
- TYC® 578
- Wippermann 508
- Witra® 622

Roller Chain (American Standard)
- TYC® 580
- Wippermann 547
- Witra® 625

Roller Chain Guides and Rails 1077

Roller Covers (Volta Friction Belts) 187

Roller Conveyor Belts (Poly VFlex Convey) 1136

Roller Set Tensioners 1042

Round PU Belts (Volta) 184

Round Section Racks 773

Round Belt Guides - Machined 1076

INDEX

RUBBER BELTS 195

Rubber
- Conveyor Belts XXX
- Flat Belts 277
- Garden Belts 257
- Poly V Belts 267
- Suspension Units 1044
- Timing Belts 195
- V Belts 241

S

Safety Plastics 1095

Sausage Belts 314

Screws (Trapezoidal) 1017

Screws (ATN) 128

Scrolls (Plastic) 1068

Self-lubricating Chain 591

Semi-finished Plastic Rods and Sheets 1083

Shaft Collars 998
- Imperial Bore 1002
- Metric Bore 999

Side Bow Chain
- TYC® 612
- Wippermann 1123

SilentSync®
- Belts 237
- Pulleys 240

Simplex Chain 501

Simplex Sprockets 651

Sintered Bushing Roller Chain (D.I.D.) 648

Software
- CONTI® Professional 31
- MULCO® Belt Pilot 30

Snap-on Chain
- TYC® 614
- Wippermann 544

SPECIAL BELTS 281

Special
- Belts 281
- Belt Backings 285
- Manufacturing 7
- Pulleys and Rework 330
- Machined Plastics 1064
- Machined Guide Rails and Extrusions 1067
- Manufactured Belts 281
- Manufactured Gears 704
- Manufactured Pulleys 330
- Manufactured Sprockets 652
- Rework and Customisation 7

Spherical Plain Bearings 853

Spherical Roller Bearings 840

Spiral Bevel Steel Metric Gears 807

Spiral Cut Open Length
- HTD Spiral Cut Belting 211
- Imperial Pitch Spiral Cut Belting 235

Spiral Steel Metric Mitre Gears 793

Split Bearings 882

Splined Shafts & Bushes 1124

Spur Gears 707

SPROCKETS 651
- British Standard 654
- American Standard 680

Sprocket Set Tensioners 1038

Stainless Steel
- Bearing Housings 866
- Bearing Housing Inserts 878
- Bushes 975
- Chain 501
- Collars 999
- Metric and Imperial Racks 772
- Metric Spur Gears 730
- Pilot Bore Sprockets 672
- Popular Metric Bearings 827
- Pulleys 330
- Racks 772
- Shaft Collars 999
- Splines 1125
- Spline Bushes 1127
- Universal Joints 1011

Starwheels 1068

Steel
- Bearing Housing Inserts 876
- Chain (Wippermann) 508
- Chain (Witra®) 622
- Imperial Bevel Gears 797
- Imperial Mitre Gears 794
- Imperial Spur Gears 759
- Metric Bevel Gears 798
- Metric Mitre Gears 782
- Metric Spur Gears 708
- Pilot Bore Platewheels 687
- Pilot Bore Sprockets (ASA) 681
- Pilot Bore Sprockets (BS) 655
- Pulleys 327
- Racks (Metric) 768
- Racks (Imperial) 778
- Roller Chain (TYC®) 578
- Roller Chain (Wippermann) 508
- Roller Chain (Witra®) 622
- Splines 1126
- Spline Bushes 1128
- Taper Bore Sprockets 673
- Worms 810

Straight Side Plate Chain
- TYC® 590
- Wippermann 514
- Witra® 631

STD Series Rubber Belts CONTI SYNCHROFORCE Rubber Belts 213

Supergrip Vee Belt Backing (Volta) 186

SYNCHROBELT Rubber Belts 198

SYNCHROCHAIN CTD & POLY CHAIN® Series Pulleys 391
- C8M 394
- C14M 398

SYNCHROCHAIN CARBON Belts 89
- C8M 92
- C14M 93

SYNCHROCHAIN PU Belts 88
- C8M 90
- C14M 91

SYNCHRODRIVE PU Belts 70
- HTD3M, HTD5M, HTD8M 72
- HTD14M, HTD20M 74

SYNCHROFLEX & GEN III 20
- AT3 36
- AT5 38
- AT10 41
- ATP10 44
- ATP15 46
- AT20 49
- K1.5 56
- T2 57
- T2.5, T2.5DL 58
- T5, T5DL 60
- T10, T10DL 63
- T20 66
- MP (MXL) 78

SYNCHROFORCE CARBON Rubber Belts - 8M 218

SYNCHROFORCE Rubber Belts 213
- CXP3M & CXP5M 1122
- CXP8M & 14M 216
- CXA8M & 14M 217

Synchronous Pulleys 327

T

T Series Pilot Bore Pulleys & Bar Stock 346
- K1.5 & T2 348
- T2.5 349
- T5 350
- T10 353
- T20 357
- T2.5, T5 & T10 Bar Stock 358

T Series PU Belts 53
- K1.5, T2 & T2.5 56
- T5 60
- T10 63
- T20 66

Taper Bore
- Pulleys 327
- Sprockets 673
- Vee Pulleys 443

Taper Bushes 958

Tapered Roller Bearings 842

Technical Data 1105

Tension Levellers 882

Tension Meter (Belt) 32
Tension Plates 437
Tension Rollers 496
Thermoplastic Bearing Housings 871
Thin-Section Ball Bearings 836
Thrust Bearings 833
'Tictac' Sausage Belts 314
Timing Belt Guides - Machined 1067
Timing Belts
PU Timing Belts 15
Rubber Timing Belts 195
Timing Belt Lock (BRECO®) 298
Toothed Timing Pulleys 327
Transback® Belt Backings 285
TransDev®
Direct 10
Linear Motion 883
Manufacturing 7
Plastics 1063
Services 8
Special Belts 281
TransDev® Clamp Plates 437
TransDev® Draw-down Belts 303
Transflat Rubber Flat Belts 277
Transflex® Rubber Belts
Transflex® HTD Rubber Belts 197
Transflex® Imperial Rubber Belts 219
Transgrip
Draw-down Belts 303
Haul-Off Belts 311
Sausage Belts 314
Tube Winder Belts 317
Translock® Bushes 978
Transmould Injection Moulding 1062
Transplas®
Belt Guides 1074
Chain Guides 1077
Trapezoidal Screws & Nuts 1016
Nuts 1021
Screws 1017
Technical Specifications 1026
Triathlon Chain (Wippermann) 516
Triathlon HT Chain 536
Triathlon KS Chain 540
Triplex
Chain 501
Sprockets 651
Truly Endless Belts
BRECOFLEX 22
SYNCHROFLEX 20
Esband 320
Tube Winder Belts 317
TYC® Chain 576
Tyre Couplings 996

U

ULTAGE High Precision Ball Bearings 834
Universal Joints 1006
Universal Joint Protective Gaitors 1015
Universal Tensioners 1032

V

VAR Belts 180
Vee Belts (By Type) 241
SPZ, SPA, SPB, SPC 244
SPZ-X, SPA-X, SPB-X, SPC-X 247
Z, A, B, C 249
ZX, AX, BX, CX 253
Vee Belts (By Manufacturer)
CONTI® 242
FERROPAN® 190
Gates 257
Vflex® 242
Volta 179
Vee Pulleys 443
SPA 456
SPB 469
SPC 483
SPZ 445
Vflex Vee Belts 242
VFFS (Vertical, Form, Fill, Seal) Belts 303
Volta Series Friction Belts 179
Hollow Belts 184
Ridge Top Belts 187
Round and Hollow Belts 182
Special Profiles, Roller Covers & Connecting Tubes 187
Tools 188
Vee Belts 185

W

Wear Resistant Chain (D.I.D) 644
Wear Strip - Extruded 1072
Wedge Vee Belts 243
Wedge Wrapped Vee Belts 249
Weld on Hubs 702
Welded Flights/Profiles 299
Wide Timing Belts 165
Wippermann Chain 506
Witra® Chain 620
Works Standard Chain 554
Worms & Wormwheels 809
Bronze 811
Cast Iron 814
Steel 810

X

XL Pitch
Pilot Bore Pulleys 412
PU Timing Belts 79
Rubber Timing Belts 224
XH Pitch
Pilot Bore Pulleys 421
PU Timing Belts 85
Rubber Timing Belts 230
XXH Pitch
Pilot Bore Pulleys 422

Z

Zinc Plated
Metric Shaft Collars 998
Imperial Shaft Collars 1002

TransDev®
THE POWER IN MOTION

WHATEVER YOUR INDUSTRY
WE'VE GOT YOUR BACK

We source motion components whilst also having a large manufacturing capacity for pulleys, gears, sprockets and belts. Our business philosophy is firmly based on utilising our strong financial position to ensure we have the stock and capabilities to support our customers.

THIS IS HOW DO WE DO IT...

OFFERING LEADING BRANDS

Continental
BRECO TIMING BELTS
BRECOflex TIMING BELTS
NTN SNR IKO
WIPPERMANN
RESATEC

HIGH LEVELS OF STOCK AVAILABILITY



MULTIPLE SOURCES OF SUPPLY





INDUSTRY EXPERTISE



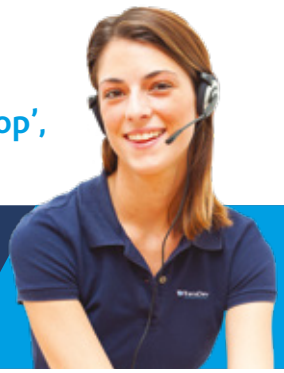
IN-HOUSE UK MANUFACTURING



MOTION EXPERTISE



Whatever your industry, as a 'one-stop-shop', 'TRANSDEV HAS YOUR BACK'!



Contact us for further information or to arrange a site visit.

T +44 (0)1202 675 555 transdev.co.uk



APPENDICES

CONTI® SYNCHROFORCE
HTD CXP3M & CXP5M Rubber Timing Belt . . 1122

Wippermann Side Bow Chain 1123

Metric Splined Shafts 1124
Steel 1125
Stainless Steel 1126

Metric Splined Bushes 1127
Steel 1127
Stainless Steel 1128

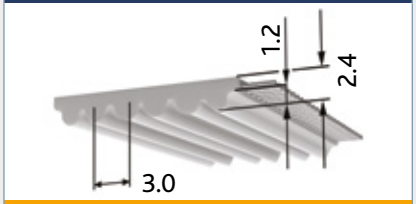
Metric Keys and Key Steels 1129
Metric Parallel Keys 1130
Metric Key Steels 1135

Poly Vflex Convey Belts 1136

HTD CXP3M & CXP5M CONTI® SYNCHROFORCE

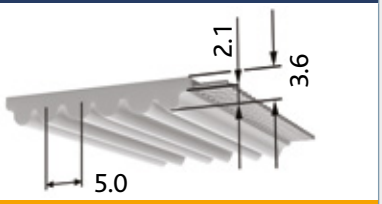
Continental

Standard



HTD CXP3M

Standard



HTD CXP5M

HTD CXP 3M Standard widths – other widths on request		
6mm	9mm	15mm

HTD CXP 5M Standard widths – other widths on request		
9mm	15mm	25mm

HTD CXP 3M - Standard stock lengths

Belt ref.	Length (mm)	No. teeth
111-3M *	111	37
117-3M *	117	39
129-3M *	129	43
141-3M *	141	47
144-3M *	144	48
150-3M *	150	50
156-3M *	156	52
159-3M *	159	53
168-3M	168	56
174-3M *	174	58
177-3M *	177	59
180-3M *	180	60
186-3M *	186	62
192-3M *	192	64
201-3M *	201	67
204-3M	204	68
210-3M *	210	70
213-3M	213	71
216-3M	216	72
219-3M	219	73
225-3M	225	75
234-3M *	234	78
240-3M	240	80
246-3M	246	82
252-3M	252	84
255-3M	255	85
261-3M *	261	87
267-3M	267	89
270-3M *	270	90
285-3M	285	95
294-3M *	294	98
300-3M	300	100
312-3M	312	104
318-3M *	318	106
321-3M *	321	107
330-3M *	330	110
336-3M	336	112
339-3M *	339	113
357-3M	357	119
363-3M	363	121
384-3M	384	128
390-3M	390	130
393-3M *	393	131
396-3M *	396	132
420-3M	420	140
432-3M *	432	144
435-3M *	435	145
447-3M	447	149
474-3M	474	158
477-3M *	477	159
480-3M	480	160
486-3M *	486	162
489-3M *	489	163
495-3M *	495	165
501-3M	501	167
513-3M	513	171
522-3M *	522	174
525-3M	525	154
537-3M	537	179
564-3M *	564	188
570-3M	570	190
597-3M	597	199
600-3M	600	200
606-3M *	606	202
612-3M *	612	204
615-3M *	615	205
633-3M	633	211
669-3M	669	223
708-3M *	708	236
711-3M	711	237
738-3M *	738	246
753-3M *	753	251
822-3M	822	274
843-3M	843	281
882-3M	882	294
945-3M	945	315
960-3M *	960	320
1002-3M *	1002	334
1041-3M *	1041	347
1068-3M *	1068	356
1071-3M *	1071	357
1125-3M *	1125	375
1170-3M *	1170	390
1176-3M *	1176	392
1245-3M *	1245	415
1500-3M *	1500	500
1569-3M *	1569	523

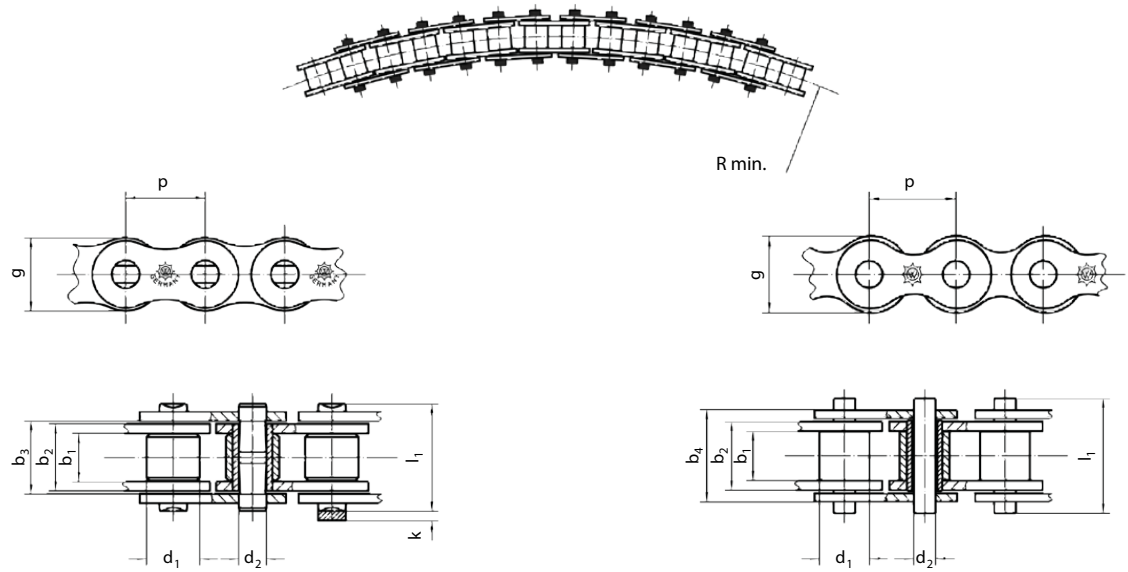
HTD CXP 5M - Standard stock lengths

Belt ref.	Length (mm)	No. teeth
200-5M *	200	40
225-5M	225	45
235-5M	235	47
265-5M	265	53
275-5M *	275	55
285-5M *	285	57
295-5M	295	59
300-5M	300	60
330-5M	330	66
350-5M	350	70
360-5M *	360	72
375-5M	375	75
385-5M *	385	77
390-5M	390	78
400-5M	400	80
405-5M	405	51
425-5M	425	85
450-5M	450	90
460-5M	460	92
475-5M	475	95
500-5M	500	100
525-5M	525	105
535-5M	535	107
550-5M	550	110
565-5M	565	113
600-5M	600	120
615-5M	615	123
620-5M	620	124
630-5M	630	126
635-5M	635	127
665-5M	665	133
700-5M	700	133
710-5M	710	140
740-5M	740	148
755-5M	755	151
800-5M	800	160
835-5M	835	167
840-5M	840	168
860-5M	860	172
890-5M	890	178
900-5M	900	180
925-5M	925	185
950-5M	950	190
1000-5M	1000	200
1050-5M	1050	210
1125-5M	1125	225
1200-5M	1200	240
1270-5M	1270	254
1420-5M	1420	284
1500-5M	1500	300
1595-5M *	1595	319
1690-5M	1690	338
2000-5M	2000	400

*Additional sizes are available for special order.
Please contact our Sales Department for confirmation.

WIPPERMANN

European and American Standard



ISO 606

ISO 606 (European type)

Chain	Pitch	Inner width	Inner link width	Outer plate width	Roller Ø	Pin Ø	Plate height	Projection over connecting pin	Width over pin	Bearing area	Breaking load	Min side bow radius
	p	b_1	b_2	b_3	d_1	d_2	g	k	l_1	f	F_B	r
		min.	max.	min.	max.	max.	max.	max.	max.		min.	min.
No.	mm	mm	mm	mm	mm	mm	mm	mm	mm	cm^2	kN	mm
462 SB	12,700	7,75	11,30	11,70	8,51	4,45	11,80	3,90	17,20	0,08	18,0	300
501 SB	15,875	9,65	13,28	13,70	10,16	5,08	14,70	4,10	19,60	0,09	22,4	400
513 SB	19,050	11,68	15,62	16,10	12,07	5,72	16,10	4,60	22,70	0,12	29,0	450
548 SB	25,400	17,02	25,40	27,20	15,88	8,28	21,00	5,40	37,40	0,21	60,0	500

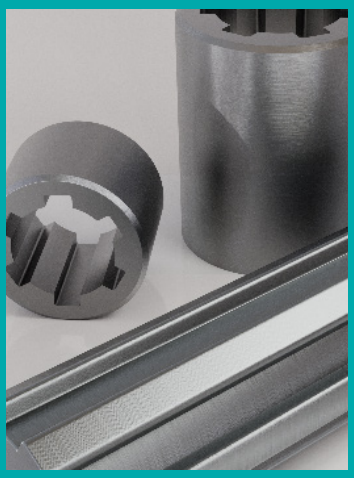
ISO 606 (American type)

Chain	Pitch	Inner width	Inner link width	Outer plate width	Roller Ø	Pin Ø	Plate height	Width over pin	Bearing area	Breaking load	Min side bow radius
	p	b_1	b_2	b_3	d_1	d_2	g	l_1	f	F_B	r
		min.	max.	min.	max.	max.	max.	max.		min.	min.
No.	mm	mm	mm	mm	mm	mm	mm	mm	cm^2	kN	mm
ASA 40	12,70	7,85	11,15	14,40	7,95	3,45	12,00	18,20	0,38	10,5	250
ASA 40 RF	12,70	7,85	11,15	14,40	7,95	3,45	12,00	18,20	0,38	6,3	250
ASA 61*	19,05	13,00	17,70	22,70	11,91	5,08	15,90	29,10	0,89	28,0	400
ASA 61 RF*	19,05	13,00	17,70	22,70	11,91	5,08	15,90	29,10	0,89	15,0	400

* With straight inner plate

DRIVEFLEX

Metric Splines and Bushes



SPLINED SHAFTS
AND BUSHES

STEEL AND STAINLESS
STEEL

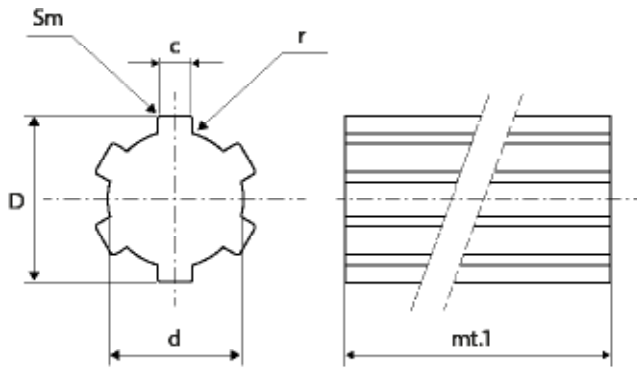
STOCK LENGTH - 1000MM

SPECIAL EXECUTIONS
ON REQUEST

Metric Splined Shafts in Steel

DRIVEFLEX

Metric Splined Shafts



Steel



Tolerances (mm)	
Linear straightness	0.8mm / 1000mm
Torsional straightness	0.5mm / 1000mm

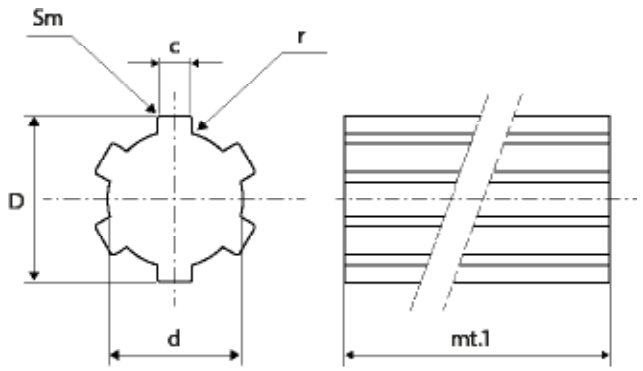
- Material – Steel C40/C45 (EN8)
- Stock length = 1000mm
- Up to 3000mm lengths on request

Stock No	D	d	c	Number of Splines	Weight Kg/m	Tolerances			Sm. 45°	r
						D	d	c		
SPS14x11x3/1	14	11	3	6	0.949	-0.07 -0.2	0 -0.08	-0.03 -0.08	0.2	0.2
SPS16x13x3.5/1	16	13	3.5	6	1.287	-0.07 -0.2	0 -0.08	-0.03 -0.08	0.2	0.2
SPS20x16x4/1	20	16	4	6	1.911	-0.07 -0.25	0 -0.08	-0.03 -0.08	0.2	0.2
SPS22x18x5/1	22	18	5	6	2.453	-0.07 -0.25	0 -0.08	-0.03 -0.08	0.2	0.2
SPS25x21x5/1	25	21	5	6	3.139	-0.07 -0.27	0 -0.08	-0.03 -0.08	0.2	0.2
SPS28x23x6/1	28	23	6	6	3.964	-0.07 -0.27	0 -0.08	-0.03 -0.08	0.3	0.2
SPS32x26x6/1	32	26	6	6	5.008	-0.07 -0.27	0 -0.08	-0.03 -0.08	0.3	0.3
SPS38x32x6/1	38	32	6	8	7.433	-0.07 -0.27	0 -0.08	-0.03 -0.08	0.3	0.3
SPS42x36x7/1	42	36	7	8	9.302	-0.07 -0.27	0 -0.08	-0.03 -0.08	0.3	0.3
SPS48x42x8/1	48	42	8	8	12.371	-0.07 -0.27	0 -0.08	-0.03 -0.08	0.3	0.3
SPS54x46x9/1	54	46	9	8	15.3	-0.07 -0.27	0 -0.08	-0.03 -0.08	0.5	0.5

Metric Splined Shafts in Stainless Steel

DRIVEFLEX

Metric Splined Shafts



Stainless Steel



Tolerances (mm)	
Linear straightness	0.8mm / 1000mm
Torsional straightness	0.5mm / 1000mm

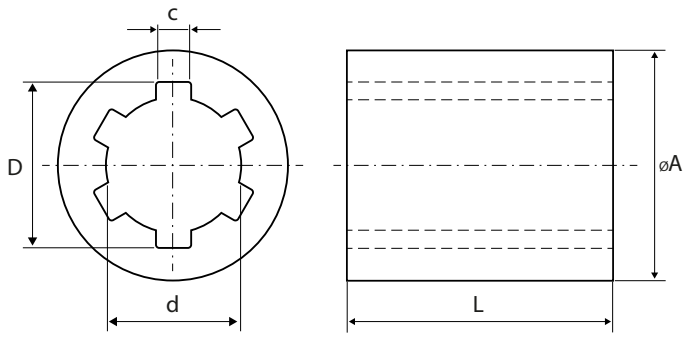
- Material = Stainless Steel Aisi 304 (1:4301)
- Stock length = 1000mm
- Up to 3000mm lengths on request

Stock No	D	d	c	Number of Splines	Weight Kg/m	Tolerances			Sm. 45°	r
						D	d	c		
SPSST14x11x3/1	14	11	3	6	0.949	-0.07 -0.20	0.00 -0.08	-0.03 -0.08	0.2	0.2
SPSST16x13x3.5/1	16	13	3.5	6	1.287	-0.07 -0.20	0.00 -0.08	-0.03 -0.08		0.2
SPSST20x16x4/1	20	16	4	6	1.911	-0.07 -0.25	0.00 -0.08	-0.03 -0.08	0.2	0.2
SPSST22x18x5/1	22	18	5	6	2.453	-0.07 -0.25	0.00 -0.08	-0.03 -0.08	0.2	0.2
SPSST25x21x5/1	25	21	5	6	3.139	-0.07 -0.27	0.00 -0.08	-0.03 -0.08	0.2	0.2
SPSST28x23x6/1	28	23	6	6	3.964	-0.07 -0.27	0.00 -0.08	-0.03 -0.08	0.3	0.2
SPSST32x26x6/1	32	26	6	6	5.008	-0.07 -0.27	0.00 -0.08	-0.03 -0.08	0.3	0.3
SPSST38x32x6/1	38	32	6	8	7.433	-0.07 -0.27	0.00 -0.08	-0.03 -0.08	0.3	0.3
SPSST42x36x7/1	42	36	7	8	9.302	-0.07 -0.27	0.00 -0.08	-0.03 -0.08	0.3	0.3
SPSST48x42x8/1	48	42	8	8	12.371	-0.07 -0.27	0.00 -0.08	-0.03 -0.08	0.3	0.3
SPSST54x46x9/1	54	46	9	8	15.300	-0.07 -0.27	0.00 -0.08	-0.03 -0.08	0.5	0.5

Metric Splined Bushes in Steel

DRIVEFLEX

Metric Splined Bushes



Steel

- Material: Steel (11SMnPb37)
- Special executions on request

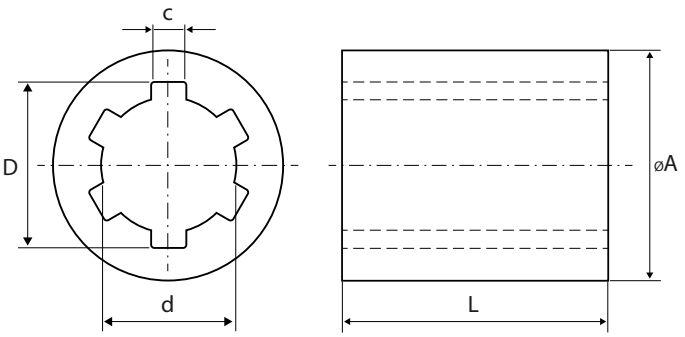


Stock No	D	d	c	Number of Splines	ØA (H8)	L	Weight Kg/m	Tolerances		
								D (H11)	d	c (D9)
SPH14x11x3	14	11	3	6	18.75	30	0.033	+0.11	+0.030	+0.045
								+0.00	+0.010	+0.020
SPH16x13x3.5	16	13	3.5	6	21.75	40	0.062	+0.11	+0.030	+0.060
								+0.00	+0.010	+0.030
SPH16x13x3.5B	16	13	3.5	6	24.75	40	0.097	+0.11	+0.030	+0.060
								+0.00	+0.010	+0.030
SPH20x16x4	20	16	4	6	27.75	40	0.108	+0.13	+0.030	+0.060
								+0.00	+0.010	+0.030
SPH22x18x5	22	18	5	6	31.75	40	0.146	+0.13	+0.030	+0.060
								+0.00	+0.010	+0.030
SPH25x21x5	25	21	5	6	35.75	45	0.208	+0.13	+0.030	+0.060
								+0.00	+0.010	+0.030
SPH28x23x6	28	23	6	6	39.70	45	0.254	+0.13	+0.030	+0.060
								+0.00	+0.010	+0.030
SPH32x26x6	32	26	6	6	44.70	45	0.322	+0.16	+0.030	+0.060
								+0.00	+0.010	+0.030
SPH38x32x6	38	32	6	8	49.70	50	0.380	+0.16	+0.030	+0.060
								+0.00	+0.010	+0.030
SPH42x36x7	42	36	7	8	59.70	70	0.880	+0.16	+0.030	+0.076
								+0.00	+0.010	+0.040
SPH48x42x8	48	42	8	8	69.70	80	1.380	+0.16	+0.030	+0.076
								+0.00	+0.010	+0.040
SPH54x46x9	54	46	9	8	81.70	90	2.324	+0.19	+0.030	+0.076
								+0.00	+0.010	+0.040

Metric Splined Bushes in Stainless Steel

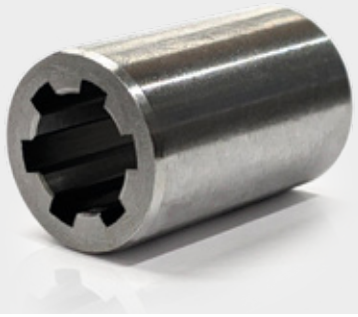
DRIVEFLEX

Metric Splined Bushes



Stainless Steel

- Material: Stainless Steel Aisi 304 (En 1.4301)
- Special executions on request



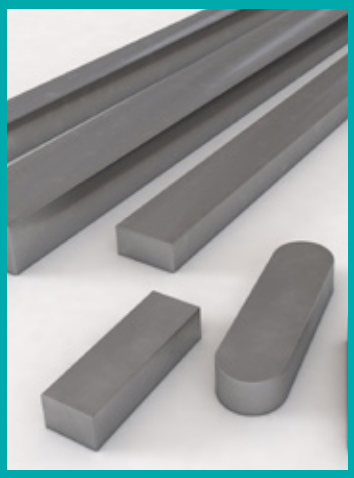
Stock No	D	d	c	Number of Splines	ØA (H8)	L	Weight Kg/m	Tolerances		
								D (H11)	d (H7)	c (D9)
SPHST14x11x3	14	11	3	6	18.75	25	0.028	+0.11	+0.018	+0.045
								+0.00	+0.00	+0.020
SPHST16x13x3.5	16	13	3.5	6	21.75	30	0.047	+0.11	+0.018	+0.060
								+0.00	+0.00	+0.030
SPHST20x16x4	20	16	4	6	28.50	30	0.090	+0.13	+0.018	+0.060
								+0.00	+0.00	+0.030
SPHST25x21x5	25	21	5	6	36.00	40	0.190	+0.13	+0.021	+0.060
								+0.00	+0.00	+0.030
PHST32x26x6	32	26	6	6	42.50	40	0.242	+0.16	+0.021	+0.060
								+0.00	+0.00	+0.030
PHST32x26x6	32	26	6	6	42.50	40	0.242	+0.19	+0.025	+0.060
								+0.00	+0.00	+0.030



See Trapezoidal Screws – Page 1016

DRIVEFLEX

Metric Keys and Key Steels



METRIC KEYSTEEL
TO DIN 6880

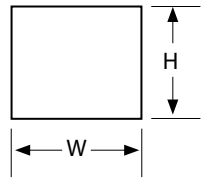
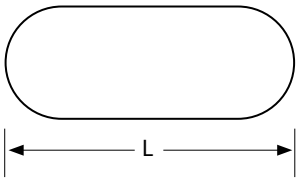
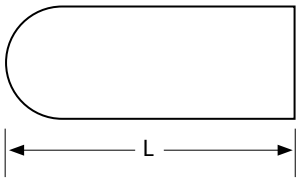
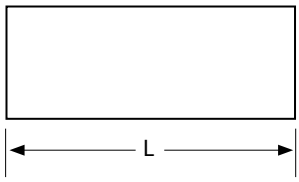
METRIC PARALLEL KEYS
TO DIN 6585A/B/AB

KEYS AVAILABLE WITH
SQUARE AND/OR
RADIUS ENDS

STEEL C45

3mm & 4mm Metric Parallel Keys (Steel C45) to DIN 6585A/B/AB

DRIVEFLEX

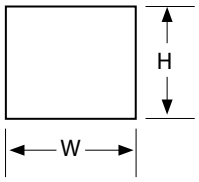
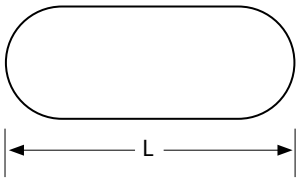
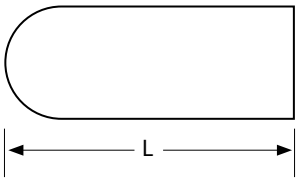
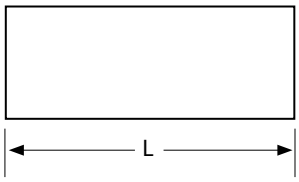
	Steel Radius Ends	Steel Radius/Flat Ends	Steel Flat Ends
			
	Type A (Code RR)	Type AB (Code RF)	Type B (Code FF)

Type 3mm					
Stock No Steel - Radius Ends	Stock No Steel - Radius/Flat Ends	Stock No Steel - Flat Ends	Width W (mm)	Height H (mm)	Length L (mm)
K3-3-8RR	K3-3-8RF	K3-3-8FF	3	3	8
K3-3-9RR	-	K3-3-9FF	3	3	9
K3-3-10RR	-	-	3	3	10
K3-3-12RR	-	K3-3-12FF	3	3	12
K3-3-14RR	-	-	3	3	14
K3-3-15RR	-	K3-3-15FF	3	3	15
K3-3-16RR	-	-	3	3	16
K3-3-18RR	-	-	3	3	18
K3-3-20RR	-	-	3	3	20
K3-3-22RR	-	-	3	3	22
K3-3-25RR	-	K3-3-25FF	3	3	25
K3-3-28RR	-	-	3	3	28
K3-3-30RR	-	-	3	3	30
K3-3-32RR	-	-	3	3	32
K3-3-35RR	-	-	3	3	35
K3-3-40RR	-	-	3	3	40

Type 4mm					
Stock No Steel - Radius Ends	Stock No Steel - Radius/Flat Ends	Stock No Steel - Flat Ends	Width W (mm)	Height H (mm)	Length L (mm)
K4-4-6RR	K4-4-6RF	-	4	4	6
K4-4-8RR	K4-4-8RF	K4-4-8FF	4	4	8
K4-4-10RR	-	K4-4-10FF	4	4	10
K4-4-12RR	-	K4-4-12FF	4	4	12
K4-4-14RR	-	K4-4-14FF	4	4	14
K4-4-15RR	-	-	4	4	15
K4-4-16RR	K4-4-16RF	K4-4-16FF	4	4	16
K4-4-18RR	-	K4-4-18FF	4	4	18
K4-4-20RR	-	K4-4-20FF	4	4	20
K4-4-22RR	-	-	4	4	22
K4-4-25RR	K4-4-25RF	K4-4-25FF	4	4	25
K4-4-28RR	-	-	4	4	28
K4-4-30RR	-	-	4	4	30

5mm Metric Parallel Keys (Steel C45) to DIN 6585A/B/AB

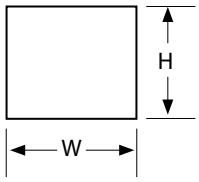
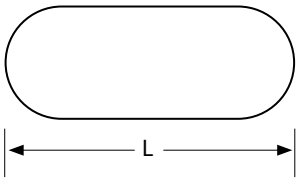
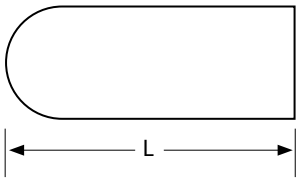
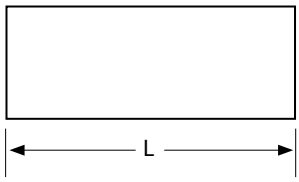
DRIVEFLEX

	Steel Radius Ends	Steel Radius/Flat Ends	Steel Flat Ends
			
	Type A (Code RR)	Type AB (Code RF)	Type B (Code FF)

Type 5mm					
Stock No Steel - Radius Ends	Stock No Steel - Radius/Flat Ends	Stock No Steel - Flat Ends	Width W (mm)	Height H (mm)	Length L (mm)
K5-5-10RR	K5-5-10RF	K-5-5-10FF	5	5	10
K5-5-11RR	-	K5-5-11FF	5	5	11
-	K5-5-12RF	-	5	5	12
K5-5-14RR	K5-5-14RF	K5-5-14FF	5	5	14
K5-5-15RR	-	K5-5-15FF	5	5	15
K5-5-16RR	-	K5-5-16FF	5	5	16
-	-	-	5	5	17
K5-5-18RR	-	K5-5-18FF	5	5	18
K5-5-20RR	K5-5-20RF	K5-5-20FF	5	5	20
K5-5-22RR	-	K5-5-22FF	5	5	22
K5-5-25RR	K5-5-25RF	K5-5-25FF	5	5	25
K5-5-28RR	-	-	5	5	28
K5-5-32RR	-	-	5	5	32
K5-5-35RR	-	-	5	5	35
K5-5-36RR	-	-	5	5	36
K5-5-40RR	-	K5-5-40FF	5	5	40
K5-5-43RR	-	-	5	5	43
K5-5-45RR	-	K5-5-45FF	5	5	45
K5-5-55RR	-	-	5	5	55
K5-5-60RR	-	-	5	5	60
K5-5-63RR	-	-	5	5	63

6mm Metric Parallel Keys (Steel C45) to DIN 6585A/B/AB

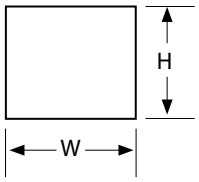
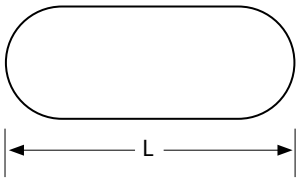
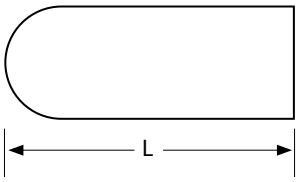
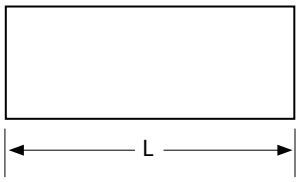
DRIVEFLEX

	Steel Radius Ends	Steel Radius/Flat Ends	Steel Flat Ends
			
	Type A (Code RR)	Type AB (Code RF)	Type B (Code FF)

Type 6mm					
Stock No Steel - Radius Ends	Stock No Steel - Radius/Flat Ends	Stock No Steel - Flat Ends	Width W (mm)	Height H (mm)	Length L (mm)
K6-6-8RR	-	-	6	6	8
K6-6-10RR	-	K6-6-10FF	6	6	10
K6-6-12RR	K6-6-12RF	K6-6-12FF	6	6	12
K6-6-14RR	-	K6-6-14FF	6	6	14
K6-6-15RR	K6-6-15RF	K6-6-15FF	6	6	15
K6-6-16RR	K6-6-16RF	K6-6-16FF	6	6	16
K6-6-18RR	-	K6-6-18FF	6	6	18
K6-6-20RR	-	K6-6-20FF	6	6	20
K6-6-22RR	-	K6-6-22FF	6	6	22
K6-6-24RR	-	-	6	6	24
K6-6-26RR	-	-	6	6	26
K6-6-27RR	-	-	6	6	27
K6-6-28RR	K6-6-28RF	K6-6-28FF	6	6	28
K6-6-30RR	K6-6-30RF	K6-6-30FF	6	6	30
K6-6-32RR	K6-6-32RF	K6-6-32FF	6	6	32
K6-6-33RR	-	-	6	6	33
K6-6-34RR	-	-	6	6	34
K6-6-35RR	K6-6-35RF	K6-6-35FF	6	6	35
K6-6-36RR	-	K6-6-36FF	6	6	36
K6-6-40RR	K6-6-40RF	K6-6-40FF	6	6	40
K6-6-50RR	-	-	6	6	50
K6-6-60RR	-	-	6	6	60
K6-6-65RR	-	-	6	6	65
K6-6-70RR	-	-	6	6	70
K6-6-80RR	-	-	6	6	80

8mm Metric Parallel Keys (Steel C45) to DIN 6585A/B/AB

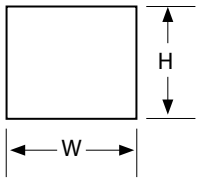
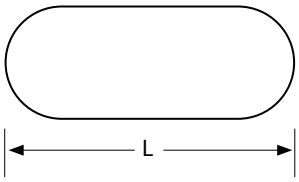
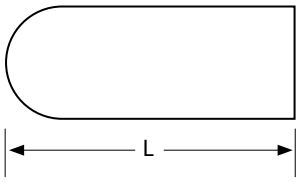
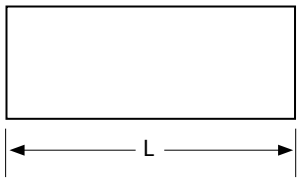
DRIVEFLEX

	Steel Radius Ends	Steel Radius/Flat Ends	Steel Flat Ends
			
	Type A (Code RR)	Type AB (Code RF)	Type B (Code FF)

Type 8mm					
Stock No Steel - Radius Ends	Stock No Steel - Radius/Flat Ends	Stock No Steel - Flat Ends	Width W (mm)	Height H (mm)	Length L (mm)
K8-7-10RR	-	-	8	7	10
K8-7-12RR	-	K8-7-12FF	8	7	12
K8-7-14RR	-	-	8	7	14
K8-7-15RR	-	K8-7-15FF	8	7	15
K8-7-16RR	-	-	8	7	16
K8-7-18RR	K8-7-18RF	-	8	7	18
K8-7-20RR	K8-7-20RF	K8-7-20FF	8	7	20
K8-7-22RR	K8-7-22RF	K8-7-22FF	8	7	22
K8-7-23RR	-	-	8	7	23
K8-7-25RR	-	-	8	7	25
K8-7-28RR	-	-	8	7	28
K8-7-30RR	K8-7-30RF	K8-7-30FF	8	7	30
K8-7-32RR	-	-	8	7	32
K8-7-35RR	-	-	8	7	35
K8-7-36RR	-	K8-7-36FF	8	7	36
K8-7-40RR	-	-	8	7	40
K8-7-45RR	K8-7-45RF	K8-7-45FF	8	7	45
K8-7-50RR	-	-	8	7	50
K8-7-55RR	-	-	8	7	55
K8-7-60RR	-	K8-7-60FF	8	7	60
K8-8-15RR	-	-	8	8	15
K8-8-20RR	-	-	8	8	20
K8-8-25RR	-	-	8	8	25
K8-8-30RR	-	-	8	8	30
K8-8-32RR	-	-	8	8	32
K8-8-35RR	-	-	8	8	35
K8-8-40RR	-	-	8	8	40
K8-8-45RR	-	-	8	8	45
K8-8-50RR	-	-	8	8	50

10mm Metric Parallel Keys (Steel C45) to DIN 6585A/B/AB

DRIVEFLEX

	Steel Radius Ends	Steel Radius/Flat Ends	Steel Flat Ends
			
	Type A (Code RR)	Type AB (Code RF)	Type B (Code FF)

Type 10mm					
Stock No Steel - Radius Ends	Stock No Steel - Radius/Flat Ends	Stock No Steel - Flat Ends	Width W (mm)	Height H (mm)	Length L (mm)
K10-8-16RR	-	-	10	8	16
K10-8-18RR	K10-8-18RF	-	10	8	18
K10-8-20RR	-	K10-8-20FF	10	8	20
K10-8-22RR	-	-	10	8	22
K10-8-25RR	-	K10-8-25FF	10	8	25
K10-8-28RR	-	-	10	8	28
K10-8-30RR	-	-	10	8	30
K10-8-32RR	-	-	10	8	32
K10-8-35RR	K10-8-35RF	-	10	8	35
K10-8-40RR	-	K10-8-40FF	10	8	40
K10-8-50RR	K10-8-50RF	K10-8-50FF	10	8	50
-	K10-8-55RF	-	10	8	55
-	-	K10-8-60FF	10	8	60

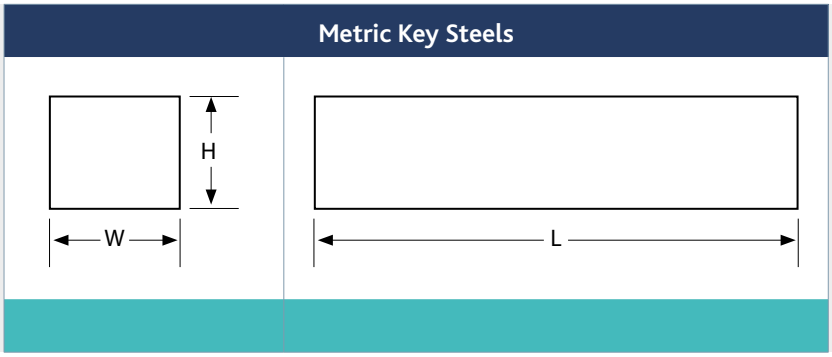


See **Special Pulleys – Page 330**

24hr Breakdown available
Customisable product
Product code builder
Compatible product

Metric Key Steels (Steel C45) to DIN 6880

DRIVEFLEX



Type 304mm (12 inches)			
Stock No Steel	Width W (mm)	Height H (mm)	Length L (mm)
KS3-3-300	3	3	304.8
KS4-4-300	4	4	304.8
KS5-3-300	5	3	304.8
KS5-5-300	5	5	304.8
KS6-4-300	6	4	304.8
KS6-6-300	6	6	304.8
KS7-7-300	7	7	304.8
KS8-5-300	8	5	304.8
KS8-7-300	8	7	304.8
KS8-8-300	8	8	304.8
KS10-6-300	10	6	304.8
KS10-8-300	10	8	304.8
KS10-10-300	10	10	304.8
KS12-8-300	12	8	304.8
KS12-10-300	12	10	304.8
KS12-12-300	12	12	304.8
KS14-6-300	14	6	304.8
KS14-9-300	14	9	304.8
KS14-10-300	14	10	304.8
KS14-14-300	14	14	304.8

Type 1000mm			
Stock No Steel	Width W (mm)	Height H (mm)	Length L (mm)
KS3-3-1000	3	3	1000
KS4-4-1000	4	4	1000
KS5-3-1000	5	3	1000
KS5-5-1000	5	5	1000
KS6-4-1000	6	4	1000
KS6-6-1000	6	6	1000
KS7-7-1000	7	7	1000
KS8-5-1000	8	5	1000
KS8-7-1000	8	7	1000
KS8-8-1000	8	8	1000
KS10-6-1000	10	6	1000
KS10-8-1000	10	8	1000
KS10-10-1000	10	10	1000
KS12-6-1000	12	6	1000
KS12-8-1000	12	8	1000
KS12-10-1000	12	10	1000
KS12-12-1000	12	12	1000
KS14-9-1000	14	9	1000
KS14-10-1000	14	10	1000
KS14-14-1000	14	14	1000



See Poly Vflex Convey Belts – Page 1136



POLY-VFLEX CONVEY

A ROLLER CONVEYOR BELT FOR MULTIPLE SYSTEMS

TransDev brings conveyor technology to peak perfection with a range of roller conveyor belts.



Poly Vflex Roller Conveyor Belts are the efficient alternative to conveyor systems that currently use round, flat and timing belts or chain. They reduce energy consumption and maintenance costs whilst delivering greater power and speed.

Features

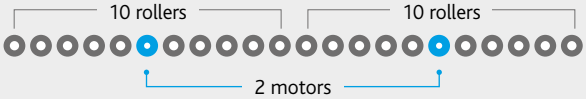
- Elasticated nylon cord, so no (re)tensioning required
- Versatile belt replaces multiple systems
- Easy to fit and low maintenance
- Minimises noise and prevents jumping
- Reduces motor requirements and energy consumption
- Durable and reliable in upto 24/7 operation
- 2 and 3 rib variants available for standard rollers
- Available from stock for next day delivery

Typical Applications

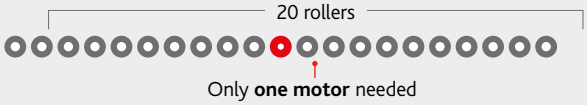
- Ideal for delicate and vibration sensitive items
- Perfect for heavier loads

The Simple and Economical Alternative

Round Belt = 2 Modulus

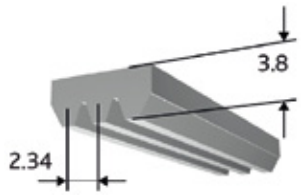


Poly VFlex Convey Belt = 1 Modulus



PJ Section Poly Vflex Convey Belts

POLY-VFLEX CONVEY

Standard

PJ Section

Available types for PJ section Poly Vflex Convey

- Single sided (standard)
- Constant thickness
- Elasticated nylon cord
- 2 and 3 rib variants

Cross section belts with longitudinal V-shaped ribs.
May have non-truncated or truncated ribs. Popular sizes only stocked. Please enquire.

Preferred numbers of ribs	
2	3

Technical Specification

Power range	up to 5kW
RPM range	0-10,000rpm
Speed range	0-60m/s
Min. pulley diameter	18mm
Mass/length/rib (Mi)	0.008kg/m/rib
Installation tension	35 to 50 N/rib/s

Availability

Size	Ribs	LE (mm)
2EPJ	2	206
2EPJ	2	214
2EPJ	2	286
2EPJ	2	336
3EPJ	3	236
3EPJ	3	246
3EPJ	3	256
3EPJ	3	265
3EPJ	3	270
3EPJ	3	286
3EPJ	3	290
3EPJ	3	302
3EPJ	3	314
3EPJ	3	336
3EPJ	3	346
3EPJ	3	376
3EPJ	3	388



This publication contains TransDev (Transmission Developments Co (GB) Ltd) trademarks and service marks. All rights in the intellectual property contained in this publication including copyright, trademarks, trade secret and patent rights are reserved. All TransDev materials contained in this publication are subject to the ownership rights of TransDev. All other non-TransDev copyright, trademarks, images etc are acknowledged to their respective owners.

TransDev®, Driveflex®, Drivelock®, Transback®, Transflex®, Transplas®, Vflex® Poly Vflex®, Translock® and Transgrip®, are registered trademarks of Transmission Developments Co (GB) Ltd.

DELRIN® is a registered trademark of E. I. du Pont de Nemours and Company or its affiliates.

TYC® is a registered trademark of TIEN YUEN INDUSTRIES CO.LTD.

Witra® is a registered trademark of Wippermann jr. GmbH.

BRECO®, BRECOFLEX®, BRECObasic®, BRECOclassic® BRECOFLEXmove®, BRECOgreen® and BRECOprotect®, are registered trademarks of BRECO Antriebstechnik Breher GmbH & Co. KG.

CONTI-V®, Poly-V®, SilentSync®, SYNCHROBELT®, SYNCHROCHAIN®, SYNCHRODRIVE®, SYNCHROFLEX®, and SYNCHROFORCE® are the property of ContiTech AG or its subsidiaries.

X-Ring® is a registered trademark of D.I.D CO., LTD., JAPAN

DURACON® is a registered trademark of Polyplastics Co., Ltd. in Japan and other countries.

ESBAND® is a registered trademark of Max Schlatterer GmbH & Co. KG.

FERROPAN® is a registered trademark of Anton Klocke Antriebstechnik GmbH.

HOSTAFORM® is a trademark of Celanese or its affiliates.

The trademark "NTN" and any NTN product names used, quoted and/or referenced are trademarks or registered trademarks of NTN.

ALUPANEL® is a trademark of Multipanel UK Ltd.

PERSPEX® is a trademark of PERSPEX INTERNATIONAL LIMITED.

RENOLD® is a registered trademark of Renold plc.

POLICRIL is a registered trademark of Irpen, S.A.

RESATEC® is a registered trademark of RESATEC AG.

MULCO® is a registered trademark of Mulco - Europe EWIV.

POLY CHAIN® and PoweRated® are registered trademarks of Gates Corporation.

VOLTA™ is a trademark of Volta Belting Technology Ltd.

Power Transmission and Conveying Solutions since 1965

Founded over 50 years ago, TransDev are major manufacturers and stockists of major timing and conveyor belt, chain and bearings brands; with in-house customisation available. We also stock a wide range of bearings and linear products.

We are the UK's largest manufacturer of Pulleys, Gears and Sprockets. Large gear, pulley and sprocket stocks for rapid rework and made-to-order are a speciality. We are also a 'one stop shop' for Plastic materials, machining, routing and injection moulding.



- Belts
- Pulleys
- Chain
- Sprockets
- Gears
- Bearings
- Linear
- Hardware
- Plastics

Additional catalogues can be requested at
transdev.co.uk/catalogue

TransDev®
THE POWER IN MOTION

SINCE 1965

Transmission Developments Co (GB) Ltd
Dawkins Rd, Poole, Dorset, BH15 4HF
T +44 (0)1202 675 555 **F** +44 (0)1202 677 466

ISO 9001 ISOQAR REGISTERED
UKAS MANAGEMENT SYSTEMS 0026
Certificate Number 6851-QMS-001
ISO 9001

transdev.co.uk

The content of this publication is not legally binding and is provided as information only.
Errors and Omissions excepted. Copyright © 2021 Transmission Developments Co (GB) Ltd. All rights reserved.
For complete information go to: www.transdev.co.uk.

TDRC1021/02