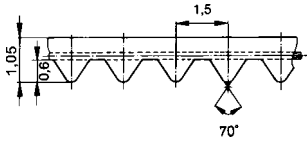
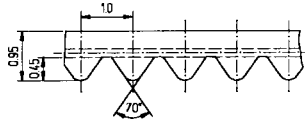


K1, K1.5 BELTS
K1.5 SS SINGLE SIDED

K1 SS SINGLE SIDED

TECHNICAL DATA SUMMARY

Potential capacity 0.5 kW
 Maximum speed 40000 rpm
 Maximum linear speed 80 m/s
 Allowable tensile load F_{zul} 117N / 10mm of belt width
 Weight per metre 0.011 kg / 10mm of belt width
 Full technical data see page 110

AVAILABILITY

STANDARD BELT AND PULLEY WIDTHS

Standard belt widths b	6	8	10	12	16
Pulley face width B	10	12	14	16	20
Pulley width B_N	16				

TYPE profile/length	No. of teeth Z	SYNCHROFLEX		M*		BRECOFLEX	
		SS	DL	SS	DL	SS	DL
K1.5 / 57	38	●					
K1.5 / 64.5	43	●					
K1.5 / 100.5	67	●					
K1.5 / 165	110	●					
K1.5 / 201	134	●					
K1.5 / 228	152	●					
K1.5 / 286	191	●					
K1.5 / 300	200	●					
K1.5 / 400.5	267	●					
K1.5 / 501	334	●					
K1.5 / 600	400	●					
K1.5 / 1242	828	●					
K1.5 / 1671	1114	●					

K1.5 open length available in Synchroflex® M with Kevlar cord, not Breco® M or V.
 Maximum length dependent on belt width: 15m @ 4mm wide, 12m @ 6mm, 10m @ 8mm, 8m @ 10mm, 7m @ 12mm, 6m @ 14mm, 5m @ 16mm

TYPE profile/length	No. of teeth Z	SYNCHROFLEX		M*		BRECOFLEX	
		SS	DL	SS	DL	SS	DL
K1 / 279	279	●					

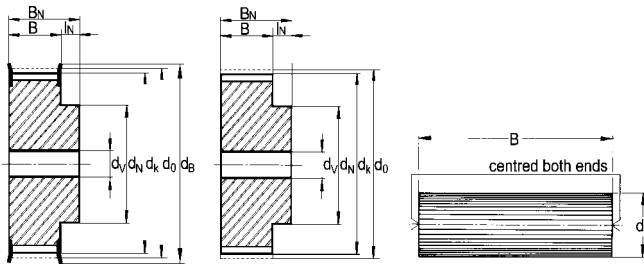
FLEX=endless, M=open length, V=joined

BELT ORDER CODE EXAMPLE

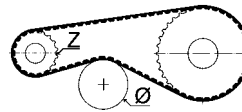
Width	Profile / length	Specification
6	K1.5 / 228	Synchroflex
10	K1.5 / 501	Synchroflex

- Standard belt length, normally held in stock.
- * Open lengths of K1.5 are available, but in Synchroflex M rather than Breco manufacture

PULLEY & BAR DIMENSIONS

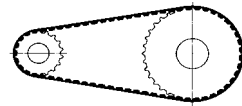


REVERSE BENDING



Minimum pulley and roller Ø:	Z min	Ø min
Standard cord	20	15
E tension cord	-	-
Reinforced cord	-	-
PAR backing	-	-

NORMAL USE



Minimum pulley and roller Ø:	Z min	Ø min
Standard cord	14	15
E tension cord	-	-
Reinforced cord	-	-
PAR backing	-	-

Pulley width B_N Bar	Z no. teeth	d_0 (mm)	d_k (mm)	d_B^* (mm)	d_N (mm)	bore size	
						d_v	d_{max}
	14	6.68	6.21	-			2.5
	15	7.16	6.69	-			2.5
	16	7.64	7.17	-			2.5
	17	8.12	7.65	-			3
	18	8.59	8.12	-			3
	19	9.07	8.60	-			3
	20	9.55	9.08	-	-	3	3.5
	21	10.03	9.56	-			3.5
	22	10.50	10.03	-			3.5
	23	10.98	10.51	-			4
	24	11.46	10.99	-	-	3	4
	25	11.94	11.47	15			5
	26	12.41	11.94	15			5
	27	12.89	12.42	15			5
	28	13.37	12.90	16			6
	29	13.85	13.38	16			6
	30	14.32	13.85	16			6
	31	14.80	14.33	18			8
	32	15.28	14.81	18	10	3	8
	33	15.76	15.29	19			8
	34	16.23	15.76	19			9
	35	16.71	16.24	19			9
	36	17.19	16.72	20			10
	37	17.67	17.20	20			10
	38	18.14	17.67	20			10
	39	18.62	18.15	22			11
	40	19.10	18.63	22			12
	41	19.58	19.11	22			12
	42	20.05	19.58	22			12
	43	20.53	20.06	24			13
	44	21.01	20.54	24			13
	45	21.49	21.02	24			13
	46	21.96	21.49	24			13
	47	22.44	21.97	25			14
	48	22.92	22.45	26	10	4	14
	49	23.40	22.93	26			14
	50	23.87	23.40	28			14
	51	24.35	23.88	28			16
	52	24.83	24.36	28			16
	53	25.31	24.84	28			16
	54	25.78	25.31	28			16
	55	26.26	25.79	30			18
	56	26.74	26.27	30			18
	57	27.22	26.75	30			18
	58	27.69	27.22	32			18
	59	28.17	27.70	32			18
	60	28.65	28.18	32			18
	61	29.13	28.66	32			18
	62	29.60	29.13	32			18

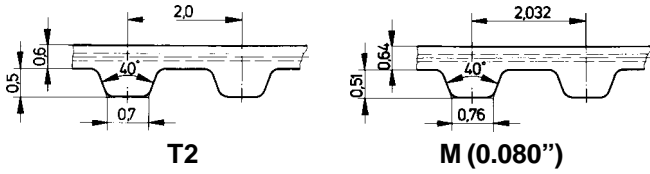
Pulley width B_N Bar	Z no. teeth	d_0 (mm)	d_k (mm)	d_B^* (mm)	d_N (mm)	bore size	
						d_v	d_{max}
	63	30.08	29.61	35			18
	64	30.56	30.09	35			21
	65	31.04	30.57	35			21
	66	31.51	31.04	35			21
	67	31.99	31.52	35			21
	68	32.47	32.00	36			21
	69	32.95	32.48	36			21
	70	33.42	32.95	36			21
	71	33.90	33.43	36			21
	72	34.38	33.91	36			24
	73	34.85	34.38	40			24
	74	35.33	34.86	40			24
	75	35.81	35.34	40			24
	76	36.29	35.82	42			26
	77	36.76	36.29	42			26
	78	37.24	36.77	42			26
	79	37.72	37.25	42			26
	80	38.20	37.73	42			26
	81	38.67	38.20	42			26
	82	39.15	38.68	42			26
	83	39.63	39.16	45			28
	84	40.11	39.64	45			28
	85	40.58	40.11	45			28
	86	41.06	40.59	45			28
	87	41.54	41.07	45			28
	88	42.02	41.55	47			33
	89	42.49	42.02	47			33
	90	42.97	42.50	47			33
	91	43.45	42.98	47			33
	92	43.93	43.46	47			33
	93	44.40	43.93	47			33
	94	44.88	44.41	50			36
	95	45.36	44.89	50			36
	96	45.84	45.37	50			36
	97	46.31	45.84	50			36
	98	46.79	46.32	50			36
	99	47.27	46.80	50			36
	100	47.75	47.28	53			36
	101	48.22	47.75	53			36
	102	48.70	48.23	53			36
	103	49.18	48.71	53			36
	104	49.66	49.19	53			41
	105	50.13	49.66	55			41
	106	50.61	50.14	55			41
	107	51.09	50.62	55			41
	108	51.57	51.10	55			41
	109	52.04	51.57	56			41
	110	52.52	52.05	56			42
	111	53.00	52.53	56			42

● Available from stock in Aluminium. Preferred sizes shaded red
 Non stock sizes available to order (see page 86)

STOCK PULLEY ORDER CODE EXAMPLE

Mat'l	Width B_N	Type / no. teeth	No. of. flanges	Special instructions
AL	16	K1.5 / 20	-2	

d_0 = Pitch circle diameter
 d_k = Outside diameter
 d_N = Hub diameter
 d_v / d_{max} = Stock pulley bore diameter / max. bore
 d_B^* = Flange diameter (*approximate)

T2 / MINIPITCH (M) BELTS
SS SINGLE SIDED

TECHNICAL DATA SUMMARY

Potential capacity 0.5 kW
 Maximum speed 40000 rpm
 Maximum linear speed 80 m/s
 Allowable tensile load F_{zul} 117N / 10mm of belt width
 Weight per metre 0.011 kg / 10mm of belt width
 Full technical data see page 111

AVAILABILITY

STANDARD BELT AND PULLEY WIDTHS

Standard belt widths b	6	8	10	12	16
Pulley face width B	10	12	14	16	20
Pulley width B_N	16				

TYPE profile/length	No. of teeth Z	SYNCHROFLEX		M*		BRECOFLEX	
		SS	DL	SS	DL	SS	DL
T2 / 90	45	●					
T2 / 118	59	●					
T2 / 120	60	●					
T2 / 138	69	●					
T2 / 140	70	●					
T2 / 144	72	●					
T2 / 150	75	●					
T2 / 160	80	●					
T2 / 180	90	●					
T2 / 200	100	●					
T2 / 220	110	●					
T2 / 240	120	●					
T2 / 256	128	●					
T2 / 262	131	●					
T2 / 280	140	●					
T2 / 292	146	●					
T2 / 320	160	●					
T2 / 360	180	●					
T2 / 600	300	●					
T2 / 710	355	●					

T2 open length available in Synchroflex® M with Kevlar cord, not Breco® M or V.
 Maximum length dependent on belt width: 15m @ 4mm wide, 12m @ 6mm, 10m @ 8mm, 8m @ 10mm, 7m @ 12mm, 6m @ 14mm, 5m @ 16mm

TYPE profile/length	No. of teeth Z	SYNCHROFLEX		M*		BRECOFLEX	
		SS	DL	SS	DL	SS	DL
M / 111	55	●					
M / 113	56	●					
M / 121	60	●					
M / 132	65	●					
M / 142	70	●					
M / 144	71	●					
M / 162	80	●					
M / 182	90	●					
M / 197	97	●					
M / 203	100	●					
M / 209	103	●					
M / 213	105	●					
M / 243	120	●					
M / 256	126	●					
M / 264	130	●					
M / 284	140	●					
M / 304	150	●					
M / 355	175	●					
M / 373	184	●					
M / 449	221	●					
M / 503	248	●					
M / 520	256	●					
M / 599	295	●					
M / 731	360	●					
M / 1178	580	●					

M (2.032 mm pitch) open length available in Synchroflex® M with Kevlar cord, not Breco® M or V.
 Maximum length dependent on belt width: 15m @ 4mm wide, 12m @ 6mm, 10m @ 8mm, 8m @ 10mm, 7m @ 12mm, 6m @ 14mm, 5m @ 16mm

BELT ORDER CODE EXAMPLE

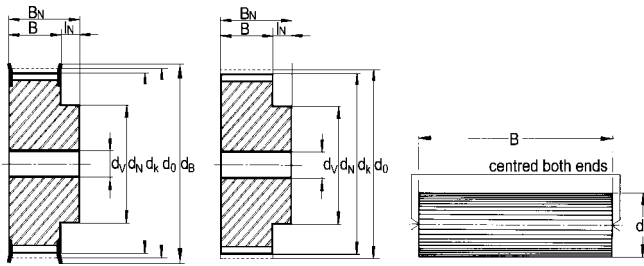
Width	Profile / length	Specification
6	T2 / 200	Synchroflex
10	M / 731	Synchroflex

FLEX=endless, M=open length, V=joined

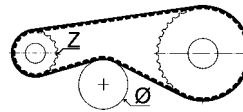
- Standard belt length, normally held in stock.
- * Open lengths of T2 and Minipitch are available, but in Synchroflex rather than Breco manufacture

T2 / MINIPITCH (M) PULLEYS

PULLEY & BAR DIMENSIONS

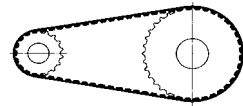


REVERSE BENDING



Minimum pulley and roller Ø:	Z min	Ø min
Standard cord	18	15
E tension cord	-	-
Reinforced cord	-	-
PAR backing	-	-

NORMAL USE



Minimum pulley and roller Ø:	Z min	Ø min
Standard cord	10	15
E tension cord	-	-
Reinforced cord	-	-
PAR backing	-	-

Pulley width B _N 16	Z no. Bar	d ₀ (mm)	d _k (mm)	d _B * (mm)	d _N (mm)	bore size	
						d _v	d _{max}
T2							
	10	6.37	5.82	8			2.5
	11	7.00	6.45	8			2.5
	12	7.64	7.09	10			2.5
	13	8.28	7.73	10			3
	14	8.91	8.36	12			3
	15	9.55	9.00	13	-	3	3.5
	16	10.19	9.64	13	-	3	3.5
	17	10.82	10.27	14			4
	18	11.46	10.91	14			4
	19	12.10	11.55	15			5
	20	12.73	12.18	15	-	3	5
	21	13.37	12.82	16			6
	22	14.01	13.46	16			6
	23	14.64	14.09	18			8
	24	15.28	14.73	18	14	3	8
	25	15.92	15.37	19			9
	26	16.55	16.00	19			9
	27	17.19	16.64	20			10
	28	17.83	17.28	20			10
	29	18.46	17.91	22			11
	30	19.10	18.55	22			12
	31	19.74	19.19	22			12
	32	20.37	19.82	24	24	4	13
	33	21.01	20.46	24			13
	34	21.65	21.10	24			13
	35	22.28	21.73	25			14
	36	22.92	22.37	26			14
	37	35.55	23.00	26			14
	38	24.19	23.64	28			16
	39	24.83	24.28	28			16
	40	25.46	24.91	28			16
	45	28.65	28.10	32			18
	48	30.56	30.01	35	24	4	21
	50	31.83	31.28	35			21
	55	35.01	34.46	40			24
	60	38.20	37.65	42			26
	65	41.38	40.83	45			28
	70	44.56	44.01	50			36
	75	47.75	47.20	53			36
	80	50.93	50.38	55			41
	85	54.11	53.56	58			44
	90	57.30	56.75	62			48
	95	60.48	59.93	64			50
	100	63.66	63.11	68			54
	105	66.85	66.30	72			58
	110	70.03	69.48	75			61

Pulley width B _N Bar	Z no. teeth	d ₀ (mm)	d _k (mm)	d _B * (mm)	d _N (mm)	bore size	
						d _v	d _{max}
M							
	50	10	6.47	5.96	8		2.5
	50	11	7.11	6.60	8		2.5
	50	12	7.76	7.25	10		2.5
	50	13	8.41	7.90	10		3
	50	14	9.06	8.55	12		3
	50	15	9.70	9.19	13		3.5
	50	16	10.35	9.84	13		3.5
	50	17	11.00	10.49	14		4
	50	18	11.64	11.13	14		4
	90	19	12.29	11.78	15		5
	90	20	12.94	12.43	15		5
	90	21	13.58	13.07	16		6
	125	22	14.23	13.72	16		6
	125	23	14.88	14.37	18		8
	125	24	15.52	15.01	18		8
	125	25	16.17	15.66	19		9
	125	26	16.82	16.31	19		9
	125	27	17.46	16.95	20		10
	125	28	18.11	17.60	20		10
	125	29	18.76	18.25	22		11
	125	30	19.40	18.89	22		12
	31	20.05	19.54	22			12
	125	32	20.70	20.19	24		13
	33	21.34	20.83	24			13
	125	34	21.99	21.48	24		13
	132	35	22.64	22.13	25		14
	132	36	23.29	22.78	26		14
	37	23.93	23.42	26			14
	132	38	24.58	24.07	28		16
	39	25.23	24.72	28			16
	132	40	25.87	25.36	28		16
	140	42	27.17	26.66	30		18
	140	44	28.46	27.95	31		18
	140	45	29.11	28.60	32		18
	140	48	31.05	30.53	35		21
	140	50	32.34	31.83	35		21
	55	35.57	35.06	40			24
	160	60	38.81	38.30	42		26
	160	64	41.40	40.89	44		28
	160	65	42.04	41.53	45		28
	160	70	45.28	44.77	50		36
	160	72	46.57	46.06	51		36
	160	75	48.51	48.00	53		36
	80	51.74	51.23	55			41
	160	90	58.21	57.70	62		48
	160	110	71.15	70.64	75		61

● Available from stock in Aluminium. Preferred sizes shaded red
 Non stock sizes available to order (see page 86)

STOCK PULLEY ORDER CODE EXAMPLE

Mat'l	Width B _N	Type / no. teeth	No. of. flanges	Special instructions
AL	16	T2 / 30	-2	

d₀ = Pitch circle diameter
 d_k = Outside diameter
 d_N = Hub diameter
 d_v / d_{max} = Stock pulley bore diameter / max. bore
 d_B = Flange diameter (*approximate)