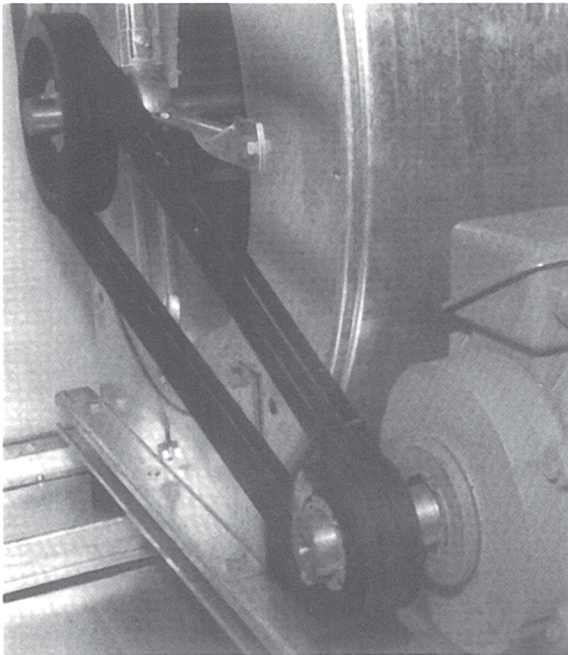


**DESIGN MANUAL
BELT DRIVE**

Fenner



Fenner
POWER TRANSMISSION



Fenner has been in the forefront of power transmission design and application for over 140 years. Today the range includes a variety of belt types which in combination with high quality Taper Lock pulleys enables the optimum drive to be selected.

PB WEDGE & V-BELTS

Catalogue drives cater for powers up to 400 kW at 1440 rev/min with a selection of ratios which will give within 3% of the required design speed.

- Belts built to the highest standards from high quality materials.
- Belts subject to precise length control during every stage of manufacture.
- Belts stay matched during storage ensuring maximum stock utilisation.
- Belts stay matched on the drive ensuring even tension and maximum life.
- Belts require only one-shot tensioning - fit them and forget them.

COGGED RAW EDGE BELTS

- Fenner also provide Moulded Cogged Raw Edge Wedge Belts up to 3000mm pitch length which give increased flexibility and efficiency on small diameter pulleys.



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TAPER LOCK® PULLEYS

- Taper Lock pulleys conforming to ISO 4183 are of modern design, incorporating high strength materials to give optimum mass/strength ratio.
- Taper Lock pulleys designed for use with all standard belt cross-sections are produced on the latest CNC Machinery to give accuracy and consistency of form.
- Suitable for use on drives with belt speeds up to 40 metres per second.
- Short reach Taper Lock bushes, with larger maximum bores are used throughout the range, allowing significant weight savings without detriment to quality and performance.

BANDED BELTS

- Eliminate the effects of belt vibrations.
- Prevent belt turnover.
- Available for ISO and RMA pulleys.
- Heat and oil resistant.

LINK BELTS

- Made from the most up to date materials.
- Adjustable to virtually any length.
- Exceptional heat, oil and chemical resistance.



POLYDRIVE BELTS

- High power capacity in a one-piece low stretch belt.
- Premium quality construction - 'fit and forget'.
- Heat and oil resistant.
- Four rib sections J, K, L & M for drives from fractional power to 450kW at 1440 rev/min.
- For further information - Consult Fenner.

VARIABLE SPEED BELTS

- A wide range of wide section V/S belts.
- Cogged raw edge construction for efficient running.

ISO4184 – DIN2215 – BS3790 – RMA IP20

Fenner Classic  V-Belts have specially treated jackets to give superior anti-static, heat and oil-resistant properties. All Fenner Classic V-Belts are static conductive to **ISO1813**, will not self-ignite under severe slip/stall conditions, and conform to the anti-static specification of the American Petroleum Institute. 

Z		A		B		C		D	
Belt Designation		Belt Designation		Belt Designation		Belt Designation		Belt Designation	
Metric		Metric		Metric		Metric		Metric	
Z370	A20	A540	A20	B700	B26	C1300	C49	D2740	D105
Z395	A21	A570	A21	B750	B28	C1350	C51	D3130	D120
Z410	A22	A590	A22	B800	B30	C1450	C55	D3330	D128
Z420	A23	A620	A23	B830	B31	C1480	C56	D3730	D144
Z445	A24	A640	A24	B860	B32	C1530	C58	D4080	D158
Z470	A25	A670	A25	B880	B33	C1560	C59	D4190	D162
Z480	A26	A700	A26	B910	B34	C1580	C60	D4470	D173
Z495	A27	A720	A27	B930	B35	C1650	C63	D4650	D180
Z510	A28	A740	A28	B960	B36	C1680	C64	D5030	D195
Z520	A29	A770	A29	B980	B37	C1700	C65	D5260	D204
Z530	A30	A790	A30	B1000	B38	C1760	C67	D5400	D210
Z545	A31	A820	A31	B1030	B39	C1780	C68	D5790	D225
Z560				B1060	B40	C1830	C70	D5870	D228
Z570				B1080	B41	C1860	C71	D6100	D237
Z610				B1100	B42	C1880	C72	D6120	D238
Z620				B1130	B43	C1950	C75	D6170	D240
Z630				B1160	B44	C2010	C77	D6840	D266
Z650				B1180	B45	C2040	C78	D6890	D268
Z660				B1210	B46	C2110	C81	D6940	D270
Z700				B1260	B48	C2160	C83	D7620	D297
Z725				B1290	B49	C2190	C84	D7650	D298
Z750				B1310	B50	C2200	C85	D7700	D300
Z780				B1340	B51	C2270	C87	D8050	D314
Z800				B1370	B52	C2340	C90	D8410	D328
Z820				B1390	B53	C2420	C93	D9140	D357
Z840				B1410	B54	C2440	C94	D9170	D358
Z850				B1440	B55	C2490	C96	D9830	D384
Z860				B1460	B56	C2520	C97	D9980	D390
Z875				B1490	B57	C2550	C98	D10700	D418
Z890				B1510	B58	C2600	C100	D12200	D478
Z900				B1540	B59	C2650	C102	D13700	D538
Z920				B1560	B60	C2700	C104		
Z930				B1590	B61	C2720	C105		
Z940				B1620	B62	C2800	C108		
Z950				B1640	B63	C2850	C110		
Z965				B1670	B64	C2880	C111		
Z980				B1690	B65	C2900	C112		
Z990				B1720	B66	C2950	C114		
Z1015				B1740	B67				
Z1035				B1760	B68				
Z1055				B1800	B69				
Z1080				B1820	B70				
Z1105				B1850	B71				
Z1130				B1870	B72				
Z1155				B1900	B73				
Z1205				B1920	B74				
Z1270				B1950	B75				
Z1330				B1970	B76				
Z1380				B2000	B77				
Z1420				B2020	B78				
Z1750				B2050	B79				
				B2070	B80				
				B2100	B81				
				B2130	B82				
				B2150	B83				
				B2180	B84				
				B2200	B85				
				B2230	B86				
				B2250	B87				
				B2280	B88				
				B2300	B89				
				B2330	B90				
				B2350	B91				
				B2380	B92				
				B2400	B93				
				B2420	B94				
				B2450	B95				
				B2480	B96				
				B2500	B97				
				B2530	B98				
				B2580	B100				
				B2630	B102				
				B2660	B103				
				B2680	B104				
				B2700	B105				
				B2740	B106				
				B2790	B108				
				B2840	B110				
				B2870	B111				

Section dimensions in millimetres.





Metric designations show pitch length in millimetres.

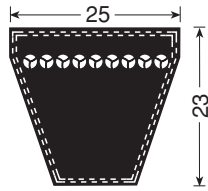
Imperial designations show inside length in inches

Fenner Power PLUS[®] **FB** Wedge Belts

ISO4184 – DIN7753 – BS3790 – RMA IP22

In addition to their precision-built qualities, Fenner Power Plus **FB** Wedge Belts have superior anti-static and oil-resistant properties. All Fenner Power Plus & CRE Plus wedge belts are static conductive to **ISO1813**, will not self-ignite under severe slip/stall conditions, and conform to American Petroleum Institute specifications. **⚡**

 SPZ		 SPA		 SPB		 SPC		
Belt Designation		Belt Designation		Belt Designation	Belt Designation	Belt Designation		Belt Designation
Metric	RMA Imperial	Metric	RMA Imperial			Metric	RMA Imperial	
487	-	1387	-	732	1750	1250	-	2000
512	-	1400	-	757	1757	1260	5V500	2120
562	-	1412	-	782	1782	1320	-	2240
587	-	1420	560	800	1800	1340	530	2360
612	-	1437	-	807	1807	1400	-	2500
630	3V250	1462	-	825	1832	1410	560	2650
637	-	1470	580	832	1850	1500	-	2800
662	-	1487	-	850	1857	1550	-	3000
670	-	1500	600	857	1882	1600	630	3150
687	-	1512	-	875	1900	1670	-	3350
710	280	1520	-	882	1907	1700	-	3550
722	-	1537	-	900	1932	1750	-	3750
737	-	1560	617	907	1950	1800	710	4000
750	-	1587	-	925	1957	1850	-	4250
760	300	1600	630	932	1982	1900	-	4500
772	-	1612	-	950	2000	1950	-	4750
787	-	1637	-	957	2032	2000	-	5000
800	315	1650	650	975	2057	2020	800	5300
812	-	1662	-	982	2060	2060	-	5600
825	-	1687	-	1000	2082	2120	-	6000
837	-	1700	670	1007	2120	2150	850	6300
850	-	1737	-	1030	2132	2240	-	6700
862	-	1762	-	1060	2180	2280	900	7100
875	-	1787	-	1082	2207	2360	-	7500
887	-	1800	710	1090	2232	2410	950	8000
900	355	1812	-	1107	2240	2450	-	8500
912	-	1837	-	1120	2282	2500	-	9000
925	-	1850	730	1132	2300	2530	1000	9500
940	370	1862	-	1150	2307	2580	-	10000
950	-	1887	-	1157	2332	2650	-	10600
962	-	1900	750	1180	2360	2680	1060	11200
987	-	1937	-	1207	2382	2720	-	11800
1000	-	1987	800	1220	2430	2800	-	12500
1010	400	2000	-	1232	2482	2840	1120	
1024	-	2030	-	1250	2500	2900	-	
1037	-	2037	-	1257	2532	3000	1180	
1047	-	2120	-	1272	2580	3150	-	
1060	-	2137	-	1280	2607	3170	1250	
1080	425	2160	850	1307	2632	3250	1320	
1087	-	2187	-	1320	2650	3350	-	
1112	-	2240	-	1332	2682	3450	1400	
1120	-	2262	-	1357	2720	3550	-	
1140	450	2280	900	1360	2732	3750	1500	
1162	-	2287	-	1382	2782	3800	-	
1180	-	2360	-	1400	2800	3870	-	
1187	-	2410	950	1407	2832	4000	-	
1200	475	2500	-	1432	2847	4060	1600	
1212	-	2540	1000	1450	2882	4250	-	
1237	-	2650	-	1457	2900	4310	1700	
1250	-	2690	1060	1482	2932	4500	-	
1262	-	2800	-	1500	2982	4560	1800	
1270	500	2840	1120	1507	3000	4750	-	
1287	-	3000	1180	1532	3032	4820	1900	
1312	-	3150	-	1550	3082	5000	-	
1320	-	3170	1250	1557	3150	5070	2000	
1340	530	3350	-	1582	3182	5300	-	
1347	-	3550	1400	1600	3282	5380	2120	
1362	-			1607	3350	5600	2240	
				1632	3382	5680	2360	
				1650	3550	6000	2500	
				1657	3750	6300	2800	
				1682	4000	6340	2500	
				1700	4250	6700	2800	
				1707	4500	7100	3150	
				1732		7500	3550	
						8000	4000	
							4500	

 8V / DELTA	
Belt Designation	
Metric	RMA Imperial
2540	1000
2840	1120
3180	1250
3550	1400
3810	1500
4060	1600
4570	1800
5080	2000
5690	2240
6350	2500
7100	2800
8000	3150
9000	3550
10160	4000
11430	4500

Section dimensions in millimetres.
Metric designations show pitch length in mm. Imperial designations show 'effective' length in 1/10 inches

Fenner CRE PLUS & Fenner Quattro PLUS CRE Wedge Belts

ISO4184 – DIN7753 – BS3790

Fenner cogged raw edge Wedge Belts are precision built **PA** for excellent length matching. They are manufactured from high quality polymer and textile materials for superior heat and oil resistance.

All Fenner Cogged Raw Edged Wedge Belts are static conductive to **ISO 1813**, and will not self-ignite under severe slip/stall conditions. They also conform to American Petroleum Institute specifications. 

Belt Designation		Belt Designation		Belt Designation		Belt Designation	
XPZ	QXPZ	XPA	QXPA	XPB	QXPB	QXPC	
630	630	800	800	1250	1250	2000	
670	670	850	850	1260		2120	
710	710	900	900	1320	1320	2240	
750	750	925		1340		2360	
760		950	950	1400	1400	2500	
800	800	1000	1000	1410		2650	
850	850		1030	1500	1500	2800	
900	900	1060	1060	1600	1600	3000	
937		1090		1700	1700	3150	
940		1120	1120	1800	1800	3350	
950	950	1180	1180	1900	1900	3550	
1000	1000	1207		2000	2000	3750	
1010		1250	1250	2020		4000	
1060	1060	1280		2120	2120	4250	
1077		1320	1320	2150		4500	
1080		1382		2240	2240		
1120	1120	1400	1400	2280			
1137		1450	1450	2360	2360		
1140		1500	1500	2410			
	1150	1532		2500	2500		
1180	1180	1550	1550	2530			
1200		1600	1600	2650	2650		
	1220	1650	1650	2680			
1250	1250	1700	1700	2800	2800		
1270		1750	1750	2840			
	1287	1800	1800	3000	3000		
1320	1320	1850	1850	3150	3150		
1337		1900	1900	3350	3350		
1340		1950	1950	3550	3550		
	1360	2000	2000		4000		
1400	1400	2060	2060		4500		
1420		2120	2120				
	1450	2240	2240				
1462		2360	2360				
1470		2430					
1500	1500	2500	2500				
1520		2650	2650				
	1537	2800	2800				
	1550	3000	3000				
1560		3150	3150				
1587		3350					
1600	1600	3550	3550				
1650		4000	4000				
1700	1700						
1800	1800						
1850							
1900	1900						
2000	2000						
2040							
2120	2120						
2160							
2240	2240						
2280							
2360							
2410							
2500	2500						
2540							
2650							
2690							
2800	2800						
2840							
3000							
3150	3150						
3350							
3550	3550						

Fenner Quattro PLUS is the new generation premium cogged raw edge wedge belt.

These belts do everything that Power Plus & CRE Plus wedge belts can do – and more. They, give energy and drive/machinery cost savings, more ratios and higher temperature resistance.

Quattro Plus ratings are around 4x those of 1950s generation vee belts – hence Quattro PLUS – and up to 50% higher than Fenner Power PLUS jacketed wedge belts.

Use Fenner Quattro PLUS belts with Fenner Taper Lock dual grooved pulleys to achieve state of the art wedge belt drive designs.

DATA FOR ALL WEDGE BELTS

Metric belt designation denotes pitch length in mm.
 SPZ: Lp = Lo - 13mm
 SPA: Lp = Lo - 18mm
 SPB: Lp = Lo - 22mm
 SPC: Lp = Lo - 30mm
 Lp = Pitch length
 Lo = Outside length

MASS PER UNIT LENGTH kg/m			
BELT SECTION	STD BELT	CRE BELT	QUATTRO PLUS
SPZ	0.07	0.06	0.07
SPA	0.12	0.11	0.12
SPB	0.19	0.18	0.19
SPC	0.32	—	0.36
8V	0.54	—	—

PRODUCT CODES

8 digit for standard wedge belt.

Digits 1 to 3:

Product Group 260 Power Plus
 261 Power Plus FRAS
 267 CRE Plus
 269 Quattro Plus.

Digit 4:

Section Letter (SP, XP, QXP) Z, A, B, C or D (8V).

Digits 5 to 8:

Length 0 then first 3 of 4-figure lengths or, first 4 of 5-figure lengths.

E.g.: Power Plus SPB 2800 is coded 260B0280.
 Quattro plus QXPZ 1250 is coded 269Z0125

WORKING TEMPERATURES

Fenner Wedge and CRE belts perform satisfactorily within the temperature range -40 to 70°C.
 FRAS belt temperature range -30 to 80°C.
 Quattro Plus temperature range -40 to 80°C

Metric designations are pitch lengths in mm. Imperial belt designation denotes approximate effective length in tenths of an inch in accordance with RMA standards.

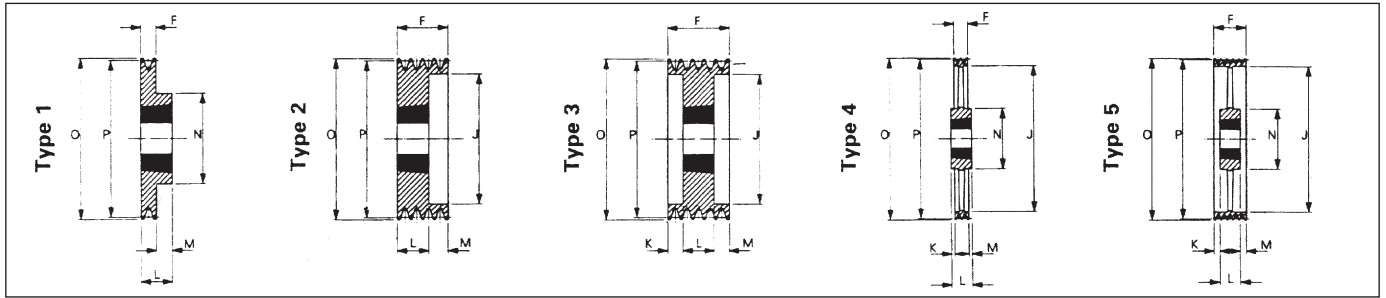
For similar cross sections, other designations include

SPZ, Alpha, 3V & 9N
 SPB, Beta, 5V & 15N
 8V, Delta, & 25N

SPZ, SPA, SPB & SPC belt designations shown in heavier type identify standard sizes in ISO 4184.

Belt lengths in italic type are available but not ex stock in all locations. Consult FPT for non-listed belt lengths.

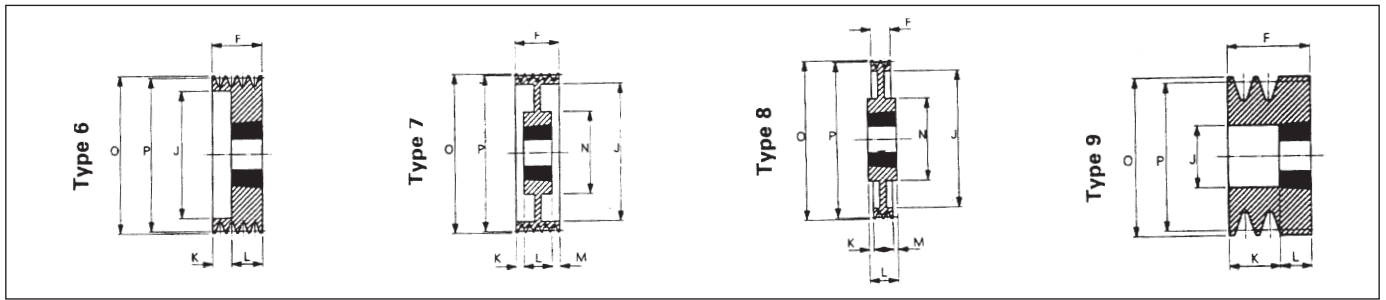
Taper Lock® Pulleys for Z, SPZ, XPZ & QXPZ Belts



Catalogue Code	Pitch Dia (P)	No. of Grooves	Bush No.	Max. Bore		Pulley Type	F	J	K	L	M	N	Outside Dia (O)
				Metric	Inch								
031Z0041	56	1	1008	25	1	9	49	28	13	22	-	-	60
Z0042	56	2	1108	28	1/8	9	49	35	27	22	-	-	60
031Z0051	60	1	1008	25	1	9	22	-	-	22	-	-	64
Z0052	60	2	1108	28	1/8	9	28	36	27	22	-	-	64
031Z0061	63	1	1108	28	1/8	1	16	-	-	22	6	56	67
Z0062	63	2	1108	28	1/8	2	28	40	-	22	6	-	67
Z0063	63	3	1108	28	1/8	2	40	40	-	22	18	-	67
031Z0071	67	1	1108	28	1/8	1	16	-	-	22	6	60	71
Z0072	67	2	1108	28	1/8	6	28	42	6	22	-	-	71
Z0073	67	3	1108	28	1/8	6	40	42	18	22	-	-	71
031Z0081	71	1	1108	28	1/8	1	16	-	-	22	6	60	75
Z0082	71	2	1108	28	1/8	6	28	42	6	22	-	-	75
Z0083	71	3	1108	28	1/8	6	40	42	18	22	-	-	75
031Z0091	75	1	1108	28	1/8	1	16	-	-	22	6	60	79
Z0092	75	2	1210	32	1/4	6	28	51	3	25	-	-	79
Z0093	75	3	1210	32	1/4	6	40	51	15	25	-	-	79
031Z0101	80	1	1210	32	1/4	1	16	-	-	25	9	75	84
Z0102	80	2	1210	32	1/4	6	28	51	3	25	-	-	84
Z0103	80	3	1210	32	1/4	6	40	51	15	25	-	-	84
Z0104	80	4	1210	32	1/4	6	52	51	27	25	-	-	84
031Z0111	85	1	1210	32	1/4	1	16	-	-	25	9	80	89
Z0112	85	2	1610	42	1 5/8	6	28	60	3	25	-	-	89
Z0113	85	3	1610	42	1 5/8	6	40	60	15	25	-	-	89
Z0114	85	4	1610	42	1 5/8	6	52	60	27	25	-	-	89
Z0115*	85	5	1610	42	1 5/8	6	64	60	39	25	-	-	89
031Z0121	90	1	1210	32	1/4	1	16	-	-	25	9	80	94
Z0122	90	2	1610	42	1 5/8	6	28	61	3	25	-	-	94
Z0123	90	3	1610	42	1 5/8	6	40	61	15	25	-	-	94
Z0124	90	4	1610	42	1 5/8	6	52	61	27	25	-	-	94
Z0125*	90	5	1610	42	1 5/8	6	64	61	39	25	-	-	94
031Z0131	95	1	1210	32	1/4	1	16	-	-	25	9	85	99
Z0132	95	2	1610	42	1 5/8	6	28	66	3	25	-	-	99
Z0133	95	3	1610	42	1 5/8	6	40	66	15	25	-	-	99
Z0134	95	4	1610	42	1 5/8	6	52	66	27	25	-	-	99
Z0135*	95	5	1610	42	1 5/8	6	64	66	39	25	-	-	99
031Z0141	100	1	1210	32	1/4	1	16	-	-	25	9	85	104
Z0142	100	2	1610	42	1 5/8	6	28	71	3	25	-	-	104
Z0143	100	3	1610	42	1 5/8	6	40	71	15	25	-	-	104
Z0144	100	4	1610	42	1 5/8	6	52	71	27	25	-	-	104
Z0145*	100	5	2012	50	2	6	64	71	32	32	-	-	104
031Z0151	106	1	1610	42	1 5/8	1	16	-	-	25	9	92	111
Z0152	106	2	1610	42	1 5/8	6	28	76	3	25	-	-	111
Z0153	106	3	1610	42	1 5/8	6	40	76	15	25	-	-	111
Z0154	106	4	1610	42	1 5/8	6	52	76	27	25	-	-	111
Z0155*	106	5	2012	50	2	6	64	76	32	32	-	-	111
031Z0161	112	1	1610	42	1 5/8	1	16	-	-	25	9	92	116
Z0162	112	2	1610	42	1 5/8	6	28	83	3	25	-	-	116
Z0163	112	3	2012	50	2	6	40	83	8	32	-	-	116
Z0164	112	4	2012	50	2	6	52	83	20	32	-	-	116
Z0165*	112	5	2012	50	2	6	64	83	32	32	-	-	116

Type 6NR pulleys are made to catalogue dimensions, but modern manufacturing techniques result in there being no recess behind the Taper Lock bush, the J dimension is then approximately equal to the small diameter of the Taper Lock bush.
 Dimensions in millimetres unless otherwise stated. *Non-preferred pulley sizes. Pitch diameters in italic type indicate pulleys to be used with XPZ belts only.
 All envelope and prime functional dimensions are correct at the time of going to publication. Non-functional dimensions may vary slightly.

Taper Lock® Pulleys for Z, SPZ, XPZ & QXPZ Belts

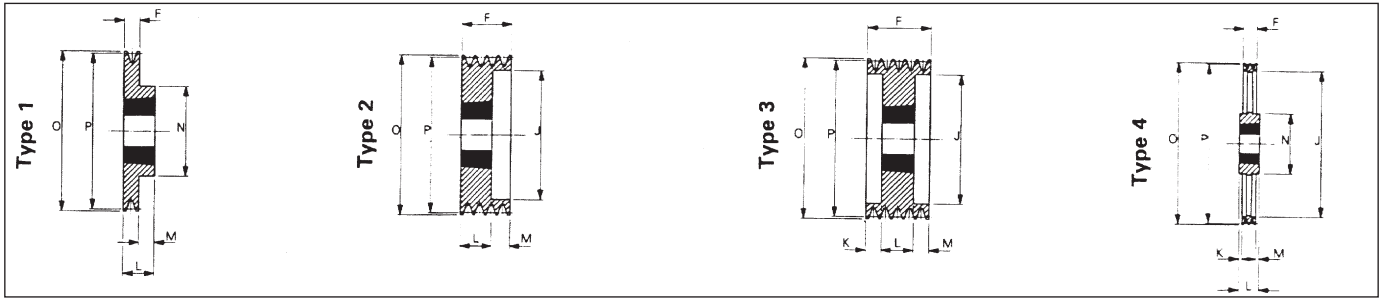


Catalogue Code	Pitch Dia (P)	No. of Grooves	Bush No.	Max. Bore		Pulley Type	F	J	K	L	M	N	Outside Dia (O)
				Metric	Inch								
031Z0171	118	1	1610	42	1 5/8	1	16	-	-	25	9	92	123
Z0172	118	2	1610	42	1 5/8	6	28	90	3	25	-	-	123
Z0173	118	3	2012	50	2	6	40	90	8	32	-	-	123
Z0174	118	4	2012	50	2	6	52	90	20	32	-	-	123
Z0175*	118	5	2012	50	2	6	64	90	32	32	-	-	123
031Z0181	125	1	1610	42	1 5/8	1	16	-	-	25	9	92	129
Z0182	125	2	1610	42	1 5/8	6	28	96	3	25	-	-	129
Z0183	125	3	2012	50	2	2	40	96	-	32	8	-	129
Z0184	125	4	2012	50	2	2	52	96	-	32	20	-	129
Z0185*	125	5	2012	50	2	6	64	96	32	32	-	-	129
031Z0191	132	1	1610	42	1 5/8	1	16	-	-	25	9	92	137
Z0192	132	2	1610	42	1 5/8	6	28	103	3	25	-	-	137
Z0193	132	3	2012	50	2	2	40	103	-	32	8	-	137
Z0194	132	4	2012	50	2	2	52	103	-	32	20	-	137
Z0195*	132	5	2517	60	2 1/2	6	64	103	19	45	-	-	137
031Z0201	140	1	1610	42	1 5/8	1	16	-	-	25	9	92	144
Z0202	140	2	1610	42	1 5/8	6	28	111	3	25	-	-	144
Z0203	140	3	2012	50	2	2	40	111	-	32	8	-	144
Z0204	140	4	2012	50	2	2	52	111	-	32	20	-	144
Z0205*	140	5	2517	60	2 1/2	2	64	111	-	45	19	-	144
031Z0221	160	1	1610	42	1 5/8	1	16	-	-	25	9	92	164
Z0222	160	2	2012	50	2	1	28	-	-	32	4	112	164
Z0223	160	3	2012	50	2	2	40	131	-	32	8	-	164
Z0224	160	4	2517	60	2 1/2	2	52	131	-	45	7	-	164
Z0225*	160	5	2517	60	2 1/2	2	64	131	-	45	19	-	164
031Z0241	180	1	1610	42	1 5/8	1	16	-	-	25	9	92	184
Z0242	180	2	2012	50	2	1	28	-	-	32	4	112	184
Z0243	180	3	2012	50	2	2	40	151	-	32	8	-	184
Z0244	180	4	2517	60	2 1/2	2	52	151	-	45	7	-	184
Z0245*	180	5	2517	60	2 1/2	2	64	151	-	45	19	-	184
031Z0261	200	1	2012	50	2	8	16	171	-	32	16	112	204
Z0262	200	2	2012	50	2	8	28	171	-	32	4	112	204
Z0263	200	3	2012	50	2	7	40	171	4	32	4	112	204
Z0264	200	4	2517	60	2 1/2	7	52	171	3,5	45	3,5	124	204
Z0265*	200	5	2517	60	2 1/2	7	64	171	9,5	45	9,5	124	204
031Z0301	250	1	2012	50	2	4	16	221	8	32	8	112	254
Z0302	250	2	2012	50	2	4	28	221	2	32	2	112	254
Z0303	250	3	2012	50	2	5	40	221	4	32	4	112	254
Z0304	250	4	2517	60	2 1/2	5	52	221	3,5	45	3,5	124	254
Z0305*	250	5	2517	60	2 1/2	5	64	221	9,5	45	9,5	124	254
031Z0331	315	1	2012	50	2	4	16	286	8	32	8	112	319
Z0332	315	2	2012	50	2	4	28	286	2	32	2	112	319
Z0333	315	3	2517	60	2 1/2	4	40	286	2,5	45	2,5	124	319
Z0334	315	4	2517	60	2 1/2	5	52	286	3,5	45	3,5	124	319
Z0335*	315	5	2517	60	2 1/2	5	64	286	9,5	45	9,5	124	319
031Z0351	400	1	2012	50	2	4	16	371	8	32	8	112	404
Z0352	400	2	2517	60	2 1/2	4	28	371	8,5	45	8,5	124	404
Z0353	400	3	2517	60	2 1/2	4	40	371	2,5	45	2,5	124	404
Z0354	400	4	2517	60	2 1/2	5	52	371	3,5	45	3,5	124	404
Z0355*	400	5	3020	75	3	5	64	371	6,5	51	6,5	146	404
031Z0372*	500	2	2517	60	2 1/2	4	28	471	8,5	45	8,5	124	504
Z0373*	500	3	2517	60	2 1/2	5	40	471	2,5	45	2,5	124	504
Z0374*	500	4	3020	75	3	5	52	471	0,5	51	0,5	146	504
Z0375*	500	5	3020	75	3	4	64	471	6	76	6	146	504
031Z0393*	630	3	2517	60	2 1/2	4	40	601	2,5	45	2,5	124	634
Z0394*	630	4	3020	75	3	4	52	601	12	76	12	146	634
Z0395*	630	5	3020	75	3	4	64	601	6	76	6	146	634

Dimensions in millimetres unless otherwise stated. * Non-preferred pulley sizes.

All envelope and prime functional dimensions are correct at the time of publication. Non-functional dimensions may vary slightly.

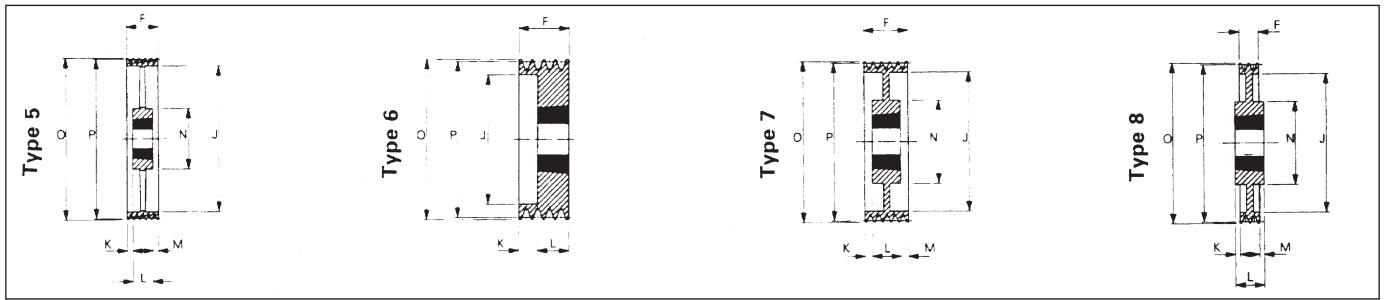
Taper Lock® Pulleys for A, SPA, XPA & QXPA Belts



Catalogue Code	Pitch Dia (P)	No. of Grooves	Bush No.	Max. Bore		Pulley Type	F	J	K	L	M	N	Outside Dia (O)
				Metric	Inch								
031A0101	80	1	1210	32	1¼	1	20	–	–	25	5	75	86
A0102	80	2	1210	32	1¼	6	35	46	10	25	–	–	86
A0103	80	3	1210	32	1¼	6	50	46	25	25	–	–	86
031A0111	85	1	1210	32	1¼	1	20	–	–	25	5	80	91
A0112	85	2	1210	32	1¼	6	35	46	10	25	–	–	91
A0113	85	3	1210	32	1¼	6	50	46	25	25	–	–	91
031A0121	90	1	1210	32	1¼	1	20	–	–	25	5	80	96
A0122	90	2	1610	42	1½	6	35	61	10	25	–	–	96
A0123	90	3	1610	42	1½	6	50	66	25	25	–	–	96
A0124	90	4	1610	42	1½	3	65	61	13,5	38	13,5	–	96
031A0131	95	1	1210	32	1¼	1	20	–	–	25	5	85	101
A0132	95	2	1610	42	1½	6	35	66	10	25	–	–	101
A0133	95	3	1610	42	1½	6	50	66	25	25	–	–	101
A0134	95	4	1610	42	1½	3	65	66	13,5	38	13,5	–	101
031A0141	100	1	1610	42	1½	1	20	–	–	25	5	85	106
A0142	100	2	1610	42	1½	6	35	71	10	25	–	–	106
A0143	100	3	1610	42	1½	2	50	71	–	25	25	–	106
A0144	100	4	1610	42	1½	2	65	71	–	38	27	–	106
A0145	100	5	1610	42	1½	2	80	71	–	38	42	–	106
A0146*	100	6	1610	42	1½	3	95	71	28,5	38	28,5	–	106
031A0151	106	1	1610	42	1½	1	20	–	–	25	5	92	112
A0152	106	2	1610	42	1½	6	35	76	10	25	–	–	112
A0153	106	3	1610	42	1½	2	50	76	–	25	25	–	112
A0154	106	4	2012	50	2	6	65	76	33	32	–	–	112
A0155	106	5	2012	50	2	6	80	76	48	32	–	–	112
A0156*	106	6	2012	50	2	6	95	76	63	32	–	–	112
031A0161	112	1	1610	42	1½	1	20	–	–	25	5	92	118
A0162	112	2	1610	42	1½	6	35	83	10	25	–	–	118
A0163	112	3	2012	50	2	6	50	83	18	32	–	–	118
A0164	112	4	2012	50	2	6	65	83	33	32	–	–	118
A0165	112	5	2012	50	2	6	80	83	48	32	–	–	118
A0166*	112	6	2012	50	2	6	95	83	63	32	–	–	118
031A0171	118	1	1610	42	1½	1	20	–	–	25	5	92	124
A0172	118	2	1610	42	1½	6	35	90	10	25	–	–	124
A0173	118	3	2012	50	2	2	50	90	–	32	18	–	124
A0174	118	4	2012	50	2	2	65	90	–	32	33	–	124
A0175	118	5	2012	50	2	2	80	90	–	32	48	–	124
A0176*	118	6	2012	50	2	6	95	90	63	32	–	–	124
031A0181	125	1	1610	42	1½	1	20	–	–	25	5	92	131
A0182	125	2	1610	42	1½	6	35	96	10	25	–	–	131
A0183	125	3	2012	50	2	2	50	96	–	32	18	–	131
A0184	125	4	2012	50	2	2	65	96	–	32	33	–	131
A0185	125	5	2012	50	2	3	80	96	24	32	24	–	131
A0186*	125	6	2012	50	2	3	95	96	31,5	32	31,5	–	131
031A0191	132	1	1610	42	1½	1	20	–	–	25	5	92	138
A0192	132	2	2012	50	2	6	35	103	3	32	–	–	138
A0193	132	3	2012	50	2	2	50	103	–	32	18	–	138
A0194	132	4	2517	60	2½	2	65	103	–	45	20	–	138
A0195	132	5	2517	60	2½	3	80	103	17,5	45	17,5	–	138
A0196*	132	6	2517	60	2½	3	95	103	25	45	25	–	138
031A0201	140	1	1610	42	1½	1	20	–	–	25	5	92	146
A0202	140	2	2012	50	2	6	35	111	3	32	–	–	146
A0203	140	3	2517	60	2½	6	50	111	5	45	–	–	146
A0204	140	4	2517	60	2½	2	65	111	–	45	20	–	146
A0205	140	5	2517	60	2½	3	80	111	17,5	45	17,5	–	146
A0206*	140	6	2517	60	2½	3	95	111	25	45	25	–	146
031A0211	150	1	1610	42	1½	1	20	–	–	25	5	92	156
A0212	150	2	2012	50	2	6	35	121	3	32	–	–	156
A0213	150	3	2517	60	2½	6	50	121	5	45	–	–	156
A0214	150	4	2517	60	2½	2	65	121	–	45	20	–	156
A0215	150	5	2517	60	2½	3	80	121	17,5	45	17,5	–	156
A0216*	150	6	2517	60	2½	3	95	121	25	45	25	–	156

Dimensions in millimetres unless otherwise stated. *Non-preferred pulley sizes. Pitch diameters in italic type indicate pulleys to be used with XPA & QXPA belts only. All envelope and prime functional dimensions are correct at the time of going to publication. Non-functional dimensions may vary slightly.

Taper Lock® Pulleys for A, SPA, XPA & QXPA Belts

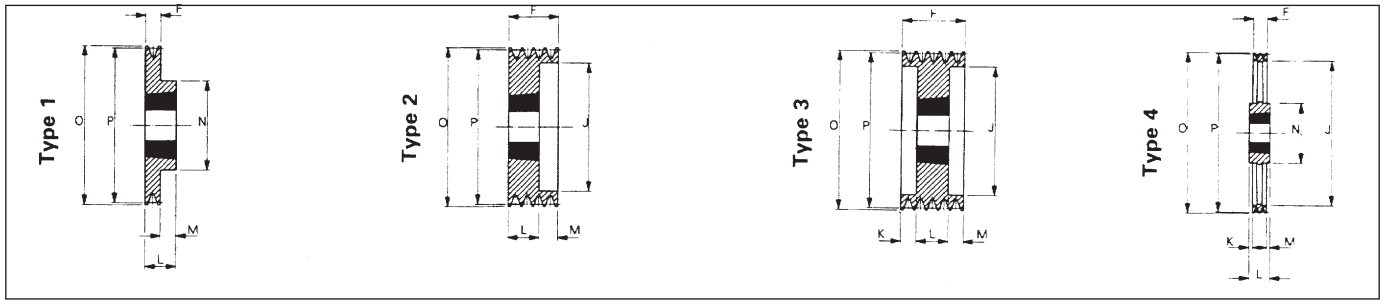


Catalogue Code	Pitch Dia (P)	No. of Grooves	Bush No.	Max. Bore		Pulley Type	F	J	K	L	M	N	Outside Dia (O)
				Metric	Inch								
031A0221	160	1	1610	42	1 5/8	1	20	-	-	25	5	92	166
A0222	160	2	2012	50	2	7	35	125	1,5	32	1,5	108	166
A0223	160	3	2517	60	2 1/2	6	50	128	5	45	-	-	166
A0224	160	4	2517	60	2 1/2	2	65	128	-	45	20	-	166
A0225	160	5	2517	60	2 1/2	3	80	128	17,5	45	17,5	-	166
A0226*	160	6	2517	60	2 1/2	3	95	128	25	45	25	-	166
031A0241	180	1	1610	42	1 5/8	1	20	-	-	25	5	92	186
A0242	180	2	2012	50	2	7	35	148	1,5	32	1,5	108	186
A0243	180	3	2517	60	2 1/2	6	50	148	5	45	-	-	186
A0244	180	4	2517	60	2 1/2	2	65	148	-	45	20	-	186
A0245	180	5	3020	75	3	3	80	148	14,5	51	14,5	-	186
A0246*	180	6	3020	75	3	3	95	148	22	51	22	-	186
031A0261	200	1	2012	50	2	8	20	162	-	32	12	108	206
A0262	200	2	2517	60	2 1/2	8	35	162	5	45	5	123	206
A0263	200	3	2517	60	2 1/2	7	50	162	2,5	45	2,5	123	206
A0264	200	4	3020	75	3	2	65	168	-	51	14	-	206
A0265	200	5	3020	75	3	3	80	168	14,5	51	14,5	-	206
A0266*	200	6	3020	75	3	3	95	168	22	51	22	-	206
031A0281	224	1	2012	50	2	8	20	189	-	32	12	112	230
A0282	224	2	2517	60	2 1/2	8	35	189	-	45	10	124	230
A0283	224	3	2517	60	2 1/2	7	50	189	2,5	45	2,5	124	230
A0284	224	4	3020	75	3	2	65	189	-	51	14	-	230
A0285	224	5	3020	75	3	2	80	189	-	51	29	-	230
A0286*	224	6	3020	75	3	3	95	189	22	51	22	-	230
031A0301	250	1	2012	50	2	8	20	215	6	32	6	112	256
A0302	250	2	2517	60	2 1/2	8	35	215	5	45	5	124	256
A0303	250	3	2517	60	2 1/2	7	50	215	2,5	45	2,5	124	256
A0304	250	4	3020	75	3	7	65	215	10	51	10	159	256
A0305	250	5	3020	75	3	7	80	215	17,5	51	17,5	159	256
A0306*	250	6	3020	75	3	7	95	215	22	51	22	159	256
031A0321	280	1	2012	50	2	8	20	245	-	32	12	112	286
A0322	280	2	2517	60	2 1/2	8	35	245	-	45	10	124	286
A0323	280	3	2517	60	2 1/2	7	50	245	2,5	45	2,5	124	286
A0324	280	4	3020	75	3	7	65	245	7	51	7	159	286
A0325	280	5	3525	100	4	7	80	245	4,5	89	4,5	178	286
A0326*	280	6	3525	100	4	7	95	245	15	65	15	178	286
031A0331	315	1	2012	50	2	4	20	280	-	32	12	112	321
A0332	315	2	2517	60	2 1/2	4	35	280	-	45	10	124	321
A0333	315	3	3020	75	3	8	50	280	0,5	51	0,5	159	321
A0334	315	4	3020	75	3	7	65	280	8	51	8	159	321
A0335	315	5	3525	100	4	8	80	283	7,5	65	7,5	178	321
A0336*	315	6	3525	100	4	7	95	280	15	65	15	178	321
031A0351	400	1	2012	50	2	4	20	365	-	32	12	112	406
A0352	400	2	2517	60	2 1/2	4	35	365	-	45	10	124	406
A0353	400	3	3020	75	3	4	50	365	0,5	51	0,5	159	406
A0354	400	4	3020	75	3	5	65	365	7	51	7	159	406
A0355	400	5	3525	100	4	4	80	365	7,5	65	7,5	178	406
A0356*	400	6	3525	100	4	5	95	368	15	65	15	178	406
031A0372	500	2	2517	60	2 1/2	4	35	465	-	45	10	124	506
A0373	500	3	3020	75	3	4	50	465	0,5	51	0,5	159	506
A0374	500	4	3020	75	3	5	65	465	7	51	7	159	506
A0375	500	5	3525	100	4	4	80	465	7,5	65	7,5	178	506
A0376*	500	6	3525	100	4	5	95	465	15	65	15	178	506
031A0392*	630	2	3020	75	3	4	35	595	-	45	16	159	636
A0393	630	3	3020	75	3	4	50	595	0,5	89	0,5	178	636
A0394	630	4	3525	100	4	4	65	595	12	89	12	178	636
A0395	630	5	3525	100	4	4	80	595	7,5	65	7,5	178	636
A0396	630	6	4030	115	4 1/2	4	95	595	9,5	76	9,5	216	636
031A0413*	800	3	3525	100	4	4	50	765	7,5	65	7,5	178	806
A0414*	800	4	3525	100	4	4	65	765	0	65	0	178	806
A0415*	800	5	4030	115	4 1/2	4	80	765	2	76	2	216	806
A0416*	800	6	4030	115	4 1/2	4	95	765	9,5	76	9,5	216	806

Dimensions in millimetres unless otherwise stated. * Non-preferred pulley sizes.

All envelope and prime functional dimensions are correct at the time of publication. Non-functional dimensions may vary slightly.

Taper Lock® Pulleys for B, SPB, XPB & QXPB Belts



Catalogue Code	Pitch Dia (P)	No. of Grooves	Bush No.	Max. Bore		Pulley Type	F	J	K	L	M	N	Outside Dia (O)
				Metric	Inch								
031B0162	112	2	2012	50	2	2	44	72	-	25	19	-	119
B0163	112	3	2012	50	2	2	63	72	-	25	37	-	119
031B0172	118	2	2012	50	2	2	44	78	-	25	19	-	125
B0173	118	3	2012	50	2	2	63	78	-	25	37	-	125
031B0182	125	2	2012	50	2	2	44	82	-	32	12	-	132
B0183	125	3	2012	50	2	2	63	89	-	32	31	-	132
B0184	125	4	2012	50	2	3	82	82	25	32	25	-	132
B0185*	125	5	2012	50	2	6	101	87	69	32	-	-	132
031B0192	132	2	2012	50	2	2	44	89	-	32	12	-	139
B0193	132	3	2012	50	2	2	63	89	-	32	31	-	139
B0194	132	4	2012	50	2	3	82	89	25	32	25	-	139
B0195*	132	5	2517	60	2 1/2	6	101	94	56	45	-	-	139
031B0202	140	2	2012	50	2	2	44	97	-	32	12	-	147
B0203	140	3	2012	50	2	2	63	97	-	32	31	-	147
B0204	140	4	2517	60	2 1/2	3	82	100	18,5	45	18,5	-	147
B0205	140	5	2517	60	2 1/2	3	101	97	28	45	28	-	147
B0206	140	6	2517	60	2 1/2	3	120	100	37,5	45	37,5	-	147
031B0212	150	2	2012	50	2	2	44	107	-	32	12	-	157
B0213	150	3	2517	60	2 1/2	2	63	107	-	45	18	-	157
B0214	150	4	2517	60	2 1/2	3	82	107	18,5	45	18,5	-	157
B0215	150	5	2517	60	2 1/2	3	101	107	28	45	28	-	157
B0216	150	6	2517	60	2 1/2	3	120	107	37,5	45	37,5	-	157
031B0222	160	2	2012	50	2	2	44	117	-	32	12	-	167
B0223	160	3	2517	60	2 1/2	2	63	117	-	45	18	-	167
B0224	160	4	2517	60	2 1/2	3	82	117	18,5	45	18,5	-	167
B0225	160	5	2517	60	2 1/2	3	101	117	28	45	28	-	167
B0226	160	6	3020	75	3	3	120	117	34,5	51	34,5	-	167
031B0232	170	2	2012	50	2	2	44	127	-	32	12	-	177
B0233	170	3	2517	60	2 1/2	2	63	127	-	45	18	-	177
B0234	170	4	2517	60	2 1/2	3	82	127	18,5	45	18,5	-	177
B0235	170	5	3020	75	3	3	101	127	25	51	25	-	177
B0236	170	6	3020	75	3	3	120	127	34,5	51	34,5	-	177
031B0242	180	2	2517	60	2 1/2	1	44	-	-	45	1	117	187
B0243	180	3	2517	60	2 1/2	2	63	137	-	45	18	-	187
B0244	180	4	2517	60	2 1/2	3	82	137	18,5	45	18,5	-	187
B0245	180	5	3020	75	3	3	101	137	25	51	25	-	187
B0246	180	6	3020	75	3	3	120	137	34,5	51	34,5	-	187
B0248*	180	8	3020	75	3	3	158	137	53,5	51	53,5	-	187
031B0252	190	2	2517	60	2 1/2	1	44	-	-	45	1	117	197
B0253	190	3	2517	60	2 1/2	2	63	147	-	45	18	-	197
B0254	190	4	2517	60	2 1/2	3	82	147	18,5	45	18,5	-	197
B0255	190	5	3020	75	3	3	101	147	25	51	25	-	197
B0256	190	6	3020	75	3	3	120	147	34,5	51	34,5	-	197
B0258*	190	8	3020	75	3	3	158	147	53,5	51	53,5	-	197
031B0262	200	2	2517	60	2 1/2	1	44	-	-	45	1	117	207
B0263	200	3	2517	60	2 1/2	7	63	157	-	45	18	117	207
B0264	200	4	3020	75	3	3	82	157	15,5	51	15,5	-	207
B0265	200	5	3020	75	3	3	101	157	25	51	25	-	207
B0266	200	6	3020	75	3	3	120	157	34,5	51	34,5	-	207
B0268*	200	8	3525	100	4	3	158	157	46,5	65	46,5	-	207
031B0272	212	2	2517	60	2 1/2	1	44	-	-	45	1	117	219
B0273	212	3	2517	60	2 1/2	7	63	169	-	45	18	117	219
B0274	212	4	3020	75	3	3	82	169	15,5	51	15,5	-	219
B0275	212	5	3020	75	3	3	101	169	25	51	25	-	219
B0276	212	6	3525	100	4	3	120	169	28	65	28	-	219
B0278*	212	8	3525	100	4	3	158	169	46,5	65	46,5	-	219
031B0282	224	2	2517	60	2 1/2	8	44	181	1	45	-	117	231
B0283	224	3	2517	60	2 1/2	7	63	181	-	45	18	117	231
B0284	224	4	3020	75	3	3	82	181	15,5	51	15,5	-	231
B0285	224	5	3020	75	3	3	101	181	25	51	25	-	231
B0286	224	6	3525	100	4	3	120	181	28	65	28	-	231
B0288*	224	8	3525	100	4	3	158	181	46,5	65	46,5	-	231

Dimensions in millimetres unless otherwise stated. *Non-preferred pulley sizes. Pitch diameters in italic type indicate pulleys to be used with XPB & QXPB belts only. All envelope and prime functional dimensions are correct at the time of going to publication. Non-functional dimensions may vary slightly.