Section 3:

Friction Belt Drives

Fenner friction belt drives have set the standard for over 150 years and will continue to do so with the recent addition to the range with the Fenner Ultra PLUS 150 high strength wedge belt.



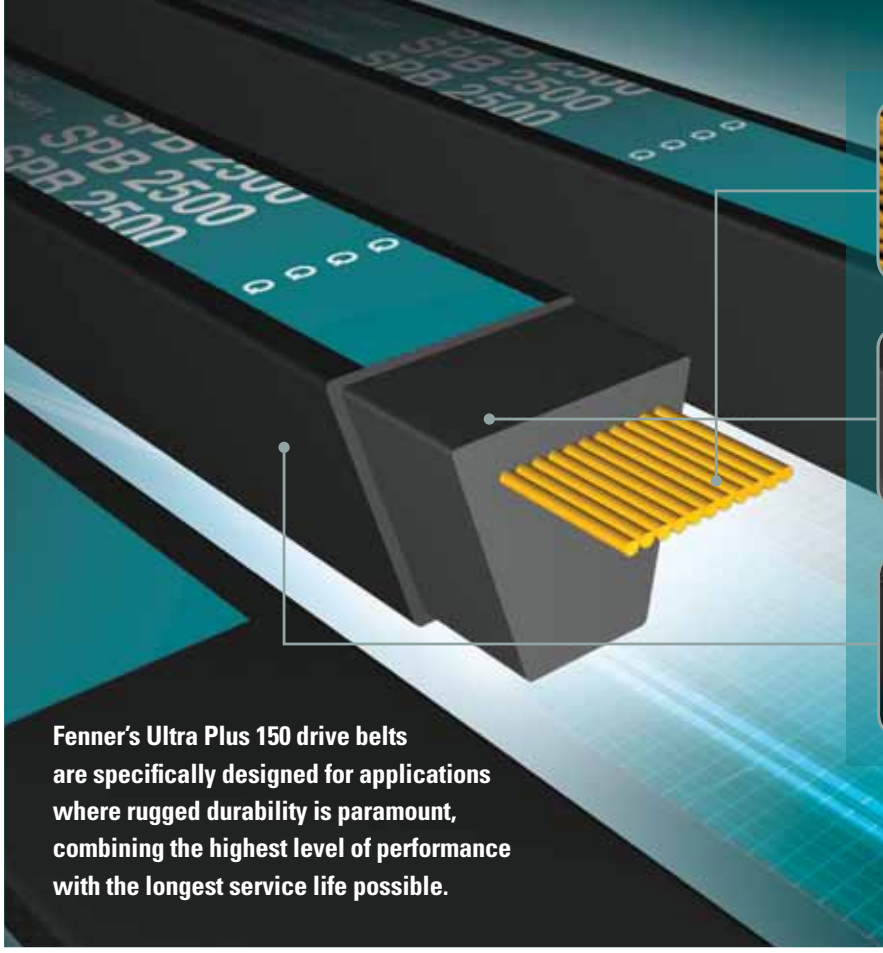

- State-of-the-art design and manufacture reflected in optimised power ratings, for compact size, economy efficiency and extended life
- PB (Precision Built) construction allows 'one-shot tensioning' for fit and forget applications.
- Fullest range of international standard belt lengths and pulleys available.
- All belts have superior anti-static, heat and oil resistant properties

Friction Belt Drives: Design Data Required	
Type of prime mover, or driving machine	
Electric motor starting arrangement	
Rotational speed of prime mover	
Power rating of prime mover	
Type of driven machine	
Rotational speed of driven machine	
Power absorbed by driven machine	
Hours/day duty & start/stop frequency	
Both driven & driver machine shaft diameters	
Centre distance & space restraints:	> fixed centres? > adjustment?
Any environmental issues:	> ambient temperature > water, oil mist, solvents etc.

Visit www.fptgroup.com for the Drive Design Assistant

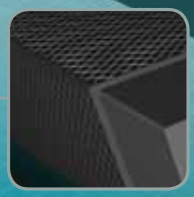
Fenner® Ultra Plus 150

The new generation of heavy duty drive belt for the harshest of environments...



50% more power
High Tensile Aramid Cords transmit 50% more power than standard wrapped wedge belts.

Unsurpassed strength
Fibre reinforced polychloroprene rubber supports the cords and ensures unsurpassed rigidity when installed.



96% energy efficiency
A-symmetrical weave outer jacket produces belt length stability second to none, guaranteeing unbeatable efficiency.

Fenner's Ultra Plus 150 drive belts are specifically designed for applications where rugged durability is paramount, combining the highest level of performance with the longest service life possible.

96%
Energy Efficient

State of the art, high efficiency drive belt engineering

www.fptgroup.com

Ideal for heavy duty applications :

- > Waste compactors
- > Shredders
- > Crushers
- > Heavy duty conveyors
- > Bucket elevators
- > Woodworking machinery
- > Quarry plant
- > Saw mills
- > Calendars
- > Compressors

Fenner®

THE MARK OF ENGINEERING EXCELLENCE

Fenner
Classic PB V-Belts

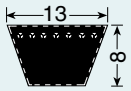
ISO 4184 – DIN 2215 – BS 3790 - RMA IP20

Fenner Classic PB 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 **ISO 1813** and conform to the anti-static specifications of the American Petroleum Institute (API).

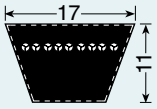
Z

Belt Designation
Metric
Z370
Z395
Z410
Z420
Z445
Z470
Z480
Z495
Z510
Z520
Z530
Z545
Z560
Z570
Z600
Z610
Z620
Z630
Z650
Z660
Z700
Z725
Z750
Z780
Z800
Z820
Z840
Z850
Z860
Z875
Z890
Z900
Z920
Z930
Z940
Z950
Z965
Z980
Z990
Z1015
Z1035
Z1055
Z1080
Z1105
Z1130
Z1155
Z1205
Z1270
Z1330
Z1380
Z1420
Z1750



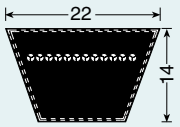
A

Belt Designation	
Metric	Imperial
A540	A20
A570	A21
A590	A22
A620	A23
A640	A24
A670	A25
A700	A26
A720	A27
A740	A28
A770	A29
A790	A30
A820	A31
A850	A32
A870	A33
A890	A34
A920	A35
A930	—
A950	A36
A970	A37
A990	A38
A1020	A39
A1050	A40
A1070	A41
A1100	A42
A1130	A43
A1150	A44
A1180	A45
A1200	A46
A1230	A47
A1250	A48
A1280	A49
A1300	A50
A1330	A51
A1360	A52
A1380	A53
A1410	A54
A1430	A55
A1460	A56
A1480	A57
A1510	A58
A1530	A59
A1550	A60
A1580	A61
A1610	A62
A1640	A63
A1660	A64
A1690	A65
A1710	A66
A1740	A67
A1760	A68
A1790	A69
A1810	A70
A1840	A71
A1860	A72
A1890	A73
A1920	A74
A1940	A75
A1960	A76
A1990	A77
A2020	A78
A2050	A79
A2070	A80
A2090	A81
A2120	A82
A2140	A83
A2170	A84
A2200	A85
A2220	A86
A2240	A87
A2270	A88
A2300	A89
A2320	A90
A2350	A91
A2370	A92
A2400	A93
A2420	A94
A2450	A95
A2480	A96
A2500	A97
A2570	A100
A2630	A102
A2650	A103
A2680	A104
A2700	A105
A2750	A107
A2780	A108
A2830	A110
A2880	A112
A2910	A113
A2960	A115
A2980	A116
A3080	A120
A3190	A124
A3290	A128
A3440	A134
A3490	A136
A3540	A138
A3690	A144
A3950	A154



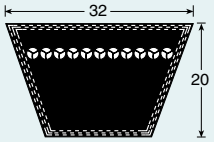
B

Belt Designation	
Metric	Imperial
B700	B26
B750	B28
B800	B30
B830	B31
B860	B32
B880	B33
B910	B34
B930	B35
B960	B36
B980	B37
B1000	B38
B1030	B39
B1060	B40
B1080	B41
B1100	B42
B1130	B43
B1160	B44
B1180	B45
B1210	B46
B1240	B47
B1260	B48
B1290	B49
B1310	B50
B1340	B51
B1370	B52
B1390	B53
B1410	B54
B1440	B55
B1460	B56
B1490	B57
B1510	B58
B1540	B59
B1560	B60
B1590	B61
B1620	B62
B1640	B63
B1670	B64
B1690	B65
B1720	B66
B1740	B67
B1760	B68
B1800	B69
B1820	B70
B1850	B71
B1870	B72
B1900	B73
B1920	B74
B1950	B75
B1970	B76
B2000	B77
B2020	B78
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
B2890	B112
B2940	B114
B2990	B116
B3040	B118
B3090	B120
B3140	B122
B3200	B124
B3240	B126
B3290	B128
B3350	B130
B3400	B132
B3450	B134
B3500	B136
B3550	B138
B3600	B140
B3700	B144
B3800	B148
B3850	B150
B3870	B151
B3900	B152
B3950	B154
B4060	B158
B4160	B162
B4310	B168
B4430	B173
B4610	B180
B4740	B185
B5000	B195
B5220	B204
B5370	B210
B5580	B218
B5630	B220
B6070	B238



C

Belt Designation	
Metric	Imperial
C1300	C49
C1350	C51
C1450	C55
C1480	C56
C1530	C58
C1560	C59
C1580	C60
C1650	C63
C1700	C65
C1760	C67
C1780	C68
C1830	C70
C1860	C71
C1880	C72
C1950	C75
C2010	C77
C2040	C78
C2090	C80
C2110	C81
C2160	C83
C2190	C84
C2200	C85
C2270	C87
C2340	C90
C2420	C93
C2440	C94
C2490	C96
C2520	C97
C2550	C98
C2600	C100
C2650	C102
C2700	C104
C2720	C105
C2800	C108
C2850	C110
C2880	C111
C2900	C112
C2950	C114
C3000	C116
C3080	C119
C3100	C120
C3210	C124
C3310	C128
C3360	C130
C3460	C134
C3520	C136
C3560	C138
C3610	C140
C3660	C142
C3710	C144
C3760	C146
C3870	C150
C3920	C152
C3970	C154
C4060	C158
C4170	C162
C4220	C164
C4320	C168
C4450	C173
C4500	C175
C4600	C179
C4630	C180
C4750	C185
C4780	C186
C4880	C190
C5010	C195
C5140	C200
C5240	C204
C5380	C210
C5640	C220
C5720	C223
C5850	C228
C6100	C238
C6150	C240
C6360	C248
C6610	C258
C6660	C260
C6860	C268
C6910	C270
C7120	C278*
C7600	C297*
C7620	C298*
C8030	C314*
C8390	C328*
C9100	C356*
C9150	C358*
C9760	C382*
C10670	C418*
C10700	C419*
C11330	C444*



D

Belt Designation	
Metric	Imperial
D2740	D105
D3130	D120
D3330	D128
D3730	D144
D4080	D158
D4190	D162
D4470	D173
D4620	D179
D4650	D180
D5030	D195
D5260	D204
D5400	D210
D5790	D225
D5870	D228
D6100	D237
D6120	D238
D6170	D240
D6840	D266
D6890	D268
D6940	D270
D7620	D297
D7650	D298
D7700	D300*
D8050	D314*
D8410	D328*
D9140	D357*
D9170	D358*
D9830	D384*
D9980	D390*
D10700	D418*
D12200	D478*
D13700	D538*

* These lengths may not be available from stock. Consult your local Authorised Distributor for non-listed belt lengths.

Mass Per Unit Length kg/m	
Belt Section	Standard Belt
Z	0.055
A	0.094
B	0.163
C	0.284
D	0.560

DATA FOR ALL VEE BELTS

Metric belt designation denotes pitch length in mm

Z:	Li = Lp - 26 mm
A:	Li = Lp - 34 mm
B:	Li = Lp - 45 mm
C:	Li = Lp - 58 mm
D:	Li = Lp - 85 mm
Li:	= inside length
Lp:	= pitch length

PRODUCT CODES

8 digit for standard vee-belts

Digits 1-3	Constant 240
Digit 4	Section letter Z, A, B, C, D (8V)
Digits 5 to 8:	0 then first three of 4-figure lengths or, first 4 of 5-figure lengths For example: C10700 is coded 240C1070

WORKING TEMPERATURES

Fenner V-belts perform satisfactorily within the ambient temperature range –40 to 70°C.

Section dimensions in millimetres. Metric designations show pitch length in millimetres.
Imperial designations show inside length (Li) inches.

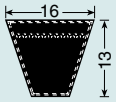
Fenner Ultra PLUS & Ultra PLUS 150 PB Wedge Belts

ISO 4184 – DIN 7753 – BS 3790 - RMA IP22

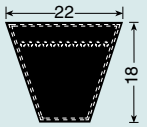
In addition to their precision-built qualities, Fenner® Ultra PLUS PB wedge belts have superior anti-static and oil-resistant properties. All Fenner® Ultra PLUS and Ultra PLUS 150 wedge belts are static conductive to the ISO 1813 standard and conform to the anti-static specifications of the American Petroleum Institute (API) for similar belts. They will not readily self-ignite under severe slip/stall conditions, subject to maximum surface temperature limitations.

Belt Designation		Belt Designation	
SPZ			
Metric	Imperial 3V	Metric	Imperial 3V
487	-	1400	-
512	-	*1412*	-
562	-	1420	560
587	-	1437	-
612	-	1462	-
630	**3V**250	1470	580
637	-	1487	-
662	-	1500	-
670	-	*1512*	-
687	-	1520	600
710	280	1537	-
722	-	1560	617
737	-	1587	-
750	-	**1600**	630
760	300	1612	-
772	-	1637	-
787	-	1650	650
800	315	1662	-
812	-	1687	-
825	-	1700	670
837	-	1737	-
850	-	1762	-
862	-	1787	-
875	-	**1800**	710
887	-	*1812*	-
900	355	1837	-
912	-	1850	730
925	-	1862	-
940	370	*1887*	-
950	-	1900	750
962	-	1937	-
987	-	1987	800
1000	-	**2000**	-
1010	400	2030	-
1024	-	2037	-
1037	-	2120	-
1047	-	*2137*	-
1060	-	2160	850
1080	425	2187	-
1087	-	**2240**	-
1112	-	*2262*	-
1120	-	2280	900
1140	450	*2287*	-
1162	-	2360	-
1180	-	2410	950
1187	-	**2500**	-
1200	475	2540	1000
1212	-	2650	-
1237	-	2690	1060
1250	-	**2800**	-
1262	-	2840	1120
1270	500	3000	1180
1287	-	**3150**	-
1312	-	3170	1250
1320	-	3350	-
1340	530	**3550**	1400
1347	-		
1362	-		
1387	-		

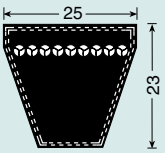
Belt Designation	
SPA	
732	1750
757	1757
782	*1782*
800	**1800**
807	1807
825	1832
832	1850
850	1857
857	1882
875	1900
882	*1907*
900	1932
907	1950
925	1957
932	1982
950	**2000**
957	2032
975	2057
982	2060
1000	2082
1007	2120
1030	2132
1060	2180
1082	2207
1090	*2232*
1107	**2240**
1120	2282
1132	2300
1150	2307
1157	*2332*
1180	2360
1207	2382
1220	2430
1232	*2482*
1250	**2500**
1257	2532
1272	2580
1280	2607
1307	*2632*
1320	2650
1332	2682
1357	2720
1360	2732
1382	2782
1400	**2800**
1407	2832
1432	*2847*
1450	2882
1457	2900
1482	*2932*
1500	2982
1507	3000
1532	*3032*
1550	***3082***
1557	**3150**
1582	3182
1600	*3282*
1607	**3350**
1632	3382
1650	3550
1657	3750
1682	**4000**
1700	4250
1707	**4500**
1732	



Belt Designation			
SPB		USPB	
Metric	Imperial 5V	Metric	Imperial 5V
1250	-	1600	630
1260	**5V**500	1800	710
1320	-	1900	-
1340	530	2000	-
1400	-	2120	-
1410	560	2240	-
1500	-	2360	-
1550	-	2500	-
1600	630	2650	-
1670	-	2800	-
1700	-	3000	1180
1750	-	3150	-
1800	710	3350	-
1850	-	3550	-
1900	-	3750	1500
1950	-	4000	-
1980	-	4060	1600
2000	-	4250	-
2020	800	4310	1700
2060	-	4500	-
2120	-	4750	-
2150	850	5000	-
2240	-	5300	-
2280	900	5600	-
2360	-	6000	2360
2410	950	6300	-
2450	-	6700	-
2500	-	7100	2800
2530	1000	7500	-
2580	-	8800	-
2650	-		
2680	1060		
2720	-		
2800	-		
2840	1120		
2900	-		
3000	1180		
3150	-		
3170	1250		
3250	1320		
3350	-		
3450	1400		
3550	-		
3750	1500		
3800	-		
3870	-		
4000	-		
4060	1600		
4250	-		
4310	1700		
4500	-		
4560	1800		
4750	-		
4820	1900		
5000	-		
5070	2000		
5300	-		
5380	2120		
5600	-		
5680	2240		
6000	2360		
6300	-		
6340	2500		
6700	-		
7100	2800		
7500	-		
9000	3150		



Belt Designation	
SPC	USPC
2000	2650
2120	2800
2240	3000
2360	3150
2500	3350
2650	3550
2800	3750
3000	4000
3150	4250
3350	4500
3550	4750
3750	5000
4000	5300
4250	5600
4500	6000
4750	6300
5000	6700
5300	7100
5600	7500
6000	8000
6300	8500
6700	9000
7100	9500
7500	
8000	
8500	
9000	
9500	
10000	
10600	
11200	
11800	
12500	



8V

Belt Designation	
8V	
Metric	Imperial 8V
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. Italic type denotes not held in stock at all locations. Bold type denotes standrad sizes in ISO 4184.

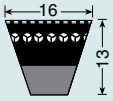
Metric designations show pitch length in mm. Imperial designations show 'effective' length in 1/10 inches

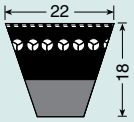
Note: The ISO 4184 standard now refers to 'datum' lengths, which are essentially the same as 'pitch' lengths.

Fenner CRE PLUS®, Quattro PLUS® CRE Wedge Belts

ISO 4184 – DIN 7753 – BS 3790

Fenner® cogged raw edge wedge belts are precision built for excellent length matching. They are manufactured from high quality polymer and textile materials for superior heat and oil resistance. All Fenner® CRE PLUS and Quattro PLUS cogged raw edge wedge belts are static conductive to the ISO 1813 standard and conform to the anti-static specifications of the American Petroleum Institute (API) for similar belts. They will not ignite under severe slip/stall conditions, subject to maximum surface temperature limitations.





Belt Designation		Belt Designation		Belt Designation		Belt Designation	
XPZ	QXPZ	XPA	QXPA	XPB	QXPB	XPC	QXPC
630	630	800	800	1250	1250	2000	2000
670	670	850	850	1260		2120	2120
710	710	900	900	1320	1320	2240	2240
750	750	925		1340		2360	2360
760		950	950	1400	1400	2500	2500
800	800	1000	1000	1410		2650	2650
850	850		1030	1500	1500	2800	2800
900	900	1060	1060	1600	1600	3000	3000
937		1090		1700	1700	3150	3150
940		1120	1120	1800	1800	3350	3350
950	950	1180	1180	1900	1900	3550	3550
1000	1000	1207		2000	2000	3750	3750
1010		1250	1250	2020		4000	4000
1060	1060	1280		2120	2120	4060	4060
1077		1320	1320	2150		4250	4250
1080		1382		2240	2240	4310	4310
1120	1120	1400	1400	2280		4500	4500
1137		1450	1450	2360	2360	4750	4750
1140		1500	1500	2410		5000	5000
	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		3750		
1400	1400	2060	2060		4000		
1420		2120	2120		4060		
1450		2240	2240		4250		
1462		2360	2360		4310		
1470		2430			4500		
1500	1500	2500	2500				
1520		2650	2650				
	1537	2800	2800				
	1550	3000	3000				
1560		3150	3150				
1587		3350					
1600	1600	3550	3550				
1650			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						

PRODUCT CODES

8 digit for standard vee-belts	
Digits 1-3 Product Group	260 Ultra PLUS 267 CRE PLUS 268 Ultra PLUS 150 269 Quattro PLUS
Digit 4 Section Letter	(USP, SP, XP, QXP) Z, A, B, C, D (8V)
Digits 5 to 8: Length	0 then first three of 4-figure lengths or, first 4 of 5-figure lengths For example: Ultra PLUS SPB2800 is coded 260B0280 Quattro PLUS QXPZ 1250 is coded 269Z0125

DATA FOR ALL WEDGE BELTS

Metric belt designation denotes pitch length in mm.

SPZ: Lo = Lp + 13mm
SPA: Lo = Lp + 18mm
SPB: Lo = Lp + 22mm
SPC: Lo = Lp + 30mm
Lp = Pitch length
Lo = Outside length

PITCH LENGTH Lp = Li + mm (Inside length)				
Belt Section	Wrapped Belt	CRE Belt	Quattro PLUS	Ultra PLUS 150
SPZ	37	38	30	-
SPA	45	44	40	-
SPB	60	58	60	60
SPC	90	-	80	90
8V	120	-	-	-
MASS PER UNIT LENGTH kg/m				
Belt Section	Wrapped Belt	CRE Belt	Quattro PLUS	Ultra PLUS 150
SPZ	0.07	0.06	0.07	-
SPA	0.12	0.11	0.12	-
SPB	0.19	0.18	0.19	0.23
SPC	0.32	-	0.36	0.38
8V	0.54	-	-	-

WORKING TEMPERATURES

Fenner Ultra PLUS and CRE PLUS wedge belts perform satisfactorily within the temperature range -40 to +70°C
Quattro PLUS temperature range -40 to +80°C
Ultra PLUS 150 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.

Note: The ISO 4184 standard now refers to 'datum' lengths, which are essentially the same as 'pitch' lengths.

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 your Authorised Distributor for non-listed belt lengths.

Wedge Belt Drive Selection

SELECTION

(a) Service Factor

Calculate Speed Ratio by dividing the rev/min of the faster shaft by the rev/min of the slower shaft.

(b) Service Factor

From Table 3 (page 39), select the Service Factor which is applicable to the drive. If the drive is speed increasing, an additional factor may be required – refer to top of Table 3.

(c) Design Power

Multiply the normal running power or prime mover power by the Service Factor. This gives the Design Power which is used as the basis for selecting the drive.

(d) Belt Section & Type

Refer to Table 2 (opposite) and trace to the right along the horizontal axis to the rev/min of the faster shaft. Trace upwards along the vertical axis to the Design Power. Choose the belt section and type represented by the area in which the point of intersection falls.

(e) Minimum Pulley Diameter

Refer to Table 1 (below) and select the minimum recommended pulley, using the Design Power from step (c) and the faster shaft speed. This is a guide to the minimum pulley pitch diameter capable of transmitting the design power at the given speed,without generating excessive bearing loads.

(f) Pulley Pitch Diameters

Refer to the drive selection tables on pages 40 to 51 and for the belt section chosen read down the speed ratio column to the value nearest the calculated speed ratio. Use the Minimum Pulley Diameter from step (e) as a guide to the small pulley selection.

(g) Belt Length, Centre Distance and Correction Factor

The drive tables list ISO belt lengths.

Along the same line as the chosen Speed Ratio read across the table to find a suitable Centre Distance. The required Belt Length is given at the head of the column.

Note the Correction Factor by following the colour band in which the chosen centre distance falls, to the top of the table.

If the Centre Distance is not specified consider a drive with a centre distance approximately equal to the sum of the pulley pitch diameters.

When non-standard pulleys or belts are used the Centre Distance and Belt Length can be calculated using the formulae given on page iii of the technical information section. Interpolate from the tables for the Correction Factor.

(h) Basic Power per Belt

Refer to the power rating tables (pages 52 to 61) for the section and type of wedge belt chosen. In the left-hand column locate rev/min of the faster shaft, i.e. the one with the small pulley. Read across to the column headed by the pitch diameter of the small pulley and note the rated power.

For CRE Plus belts refer to page 56 for power ratings.

Note that Fenner pulleys are designed for belt speeds up to 40 m/s. If using non-Fenner pulleys seek manufacturer's approval at high speeds.

N.B. The powers listed in the columns headed by the motor speeds in the Drive Tables (pages 40 to 51) give the power per belt including Speed Ratio Increment, step (j), for Ultra PLUS wedge belts. These powers require correcting for belt length and arc of contact correction factor (g) and should be used in conjunction with the appropriate Service Factor.

(j) Speed Ratio Power Increment

From the power rating tables (pages 52 to 59) note the additional power per belt for the Speed Ratio being used.

This value is the same for all types of belt of a given section.

(k) Corrected Power per Belt

Add the Speed Ratio Power increment (j) to the Basic Power per Belt (h) and multiply by the Correction Factor from step (g).

(l) Number of Belts required

Divide the Design Power from step (c) by the Corrected Power per Belt (k). The result gives the number of belts required. If the answer contains a fraction use the next whole number.

(m) Bore sizes

Check that the pulleys will fit shafts by referring to the pulley dimension tables (pages 62 to 69).

TABLE 2

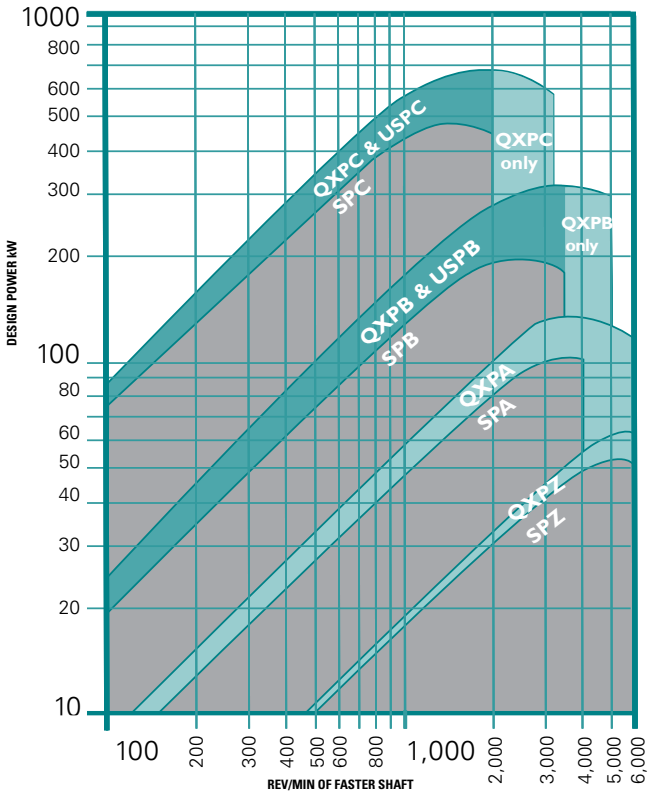


TABLE 1

Speed of faster shaft rev/min	*Minimum Pulley Diameter (mm) Design Power (kW)																			
	up to 1	3.0	4.0	5.0	7.5	10	15	20	25	30	40	50	60	75	90	110	130	150	200	250
500	56	90	100	112	125	140	180	200	212	236	250	280	280	315	375	400	450	475	500	560
600	56	85	90	100	112	125	140	180	200	212	224	250	265	280	300	335	375	400	475	500
720	**56**	**80**	**85**	**90**	**100**	**106**	**132**	**150**	**160**	**170**	**200**	**236**	**250**	**265**	**280**	**300**	**335**	**375**	**450**	**500**
960	**56**	**75**	**80**	**85**	**95**	**100**	**112**	**132**	**150**	**180**	**180**	**200**	**224**	**250**	**280**	**280**	**300**	**335**	**400**	**450**
1200	56	71	80	80	95	95	106	118	132	150	160	180	200	236	236	250	265	300	335	355
1440	**56**	**63**	**75**	**80**	**85**	**85**	**100**	**112**	**125**	**140**	**160**	**170**	**190**	**212**	**236**	**236**	**250**	**280**	**315**	**335**
1800	56	63	71	75	80	85	95	106	112	125	150	160	170	190	212	224	236	265	300	335
2880	**56**	**60**	**67**	**67**	**80**	**80**	**85**	**90**	**100**	**112**	**125**	**140**	**160**	**170**	**180**	**212**	**224**	**236**	–	–

* This table is intended as a guide to selection only. Bearing loads should be carefully considered when using small pulleys on electric motors. This is particularly important when using the small pulleys allowable with CRE PLUS or Quattro PLUS belts.

Wedge Belt Drive Selection

EXAMPLE

Design a wedge belt drive from a 50 kW 6 cylinder diesel engine which runs at 1050 rev/min to a reciprocating compressor running at 660 rev/min. The centre distance is to be approximately 1600 mm and the duty is 24 hours/day. The engine shaft is 70 mm diameter and the compressor shaft 80 mm diameter.

(a) Speed Ratio

Speed ratio = $\frac{1050}{660}$ = 1.59:1

(b) Service Factor

From Table 3 the service factor is 1.4.

(c) Design Power

= 50 x 1.4 = 70 kW

(d) Belt Section

By referring to Table 2 (opposite) the intersection of design power and the speed of the faster shaft indicates SPB or QXPB section.

(e) Minimum Pulley

From Table 1 (page 38) the minimum recommended pulley is approximately 250 mm.

(f) Pulley Pitch Diameters

By referring to the centre distance tables relating to SPB section belts on page 47 the selection is a driving pulley of 315 mm pitch diameter and a driven pulley of 500 mm pitch diameter.

(g) Belt Length, Centre Distance and Correction Factor

Reading across the table, the nearest centre distance to the 1600 mm required is 1607 mm. The belt length at the head of the column is 4500. By following the colour shading to the top of the table, a correction factor of 1.05 is noted.

(h) Basic Power per Belt

From the power rating table (pages 52 & 61) by interpolation the rated power/belt for a 315 mm pitch diameter pulley at 1050 rev/min is 18.94kW for Ultra PLUS SPB (22.37 for Quattro PLUS QXPB)

(j) Speed Ratio Power Increment

The power increment (by interpolation) for a speed ratio of 1.59 at 1050 rev/min is 0.77 kW. (pages 58)

(k) Corrected Power per Belt

= (18.94 + 0.77) x 1.05

= 20.7 kW per belt. (24.3 for QXPB)

(l) Number of Belts required

= $\frac{70}{20.7}$ = 3.38 i.e use 4 SPB Ultra PLUS wedge belts.

or

= $\frac{70}{24.3}$ = 2.88 i.e use 3 QXPB Quattro PLUS belts.

(m) Bore Sizes

From pulley dimension tables, a 315mm x 4 SPB has a bush size 3525 with 100 mm max. bore (315 mm x 3 SPB has a bush size 3020 with 75 mm max. bore).
Either will fit the 70 mm dia. engine shaft.
500 mm x 3 or 4 SPB pulleys, both of which have a bush size 3525, will fit the 80 mm dia. compressor shaft.

DRIVE SPECIFICATION

	Ultra PLUS SPB	Quattro PLUS QXPB
Engine pulley	315 x 4SPB	315 x 3 SPB
Taper Lock bush	3525/70 mm	3020/70mm
Compressor pulley	500 x 4SPB	500 x 3SPB
Taper Lock bush	3525/80 mm	3525/80mm

4 x SPB 4500 wedge belts give 1607 mm centres.
3 x QXPB 4500 wedge belts give 1607 mm centres.

TABLE 3: SERVICE FACTORS

SPEED INCREASE RATIO		Types of Prime Mover					
		'Soft' Starts			'Heavy' Series		
For speed increasing drives of: Speed ratio 1.00 – 1.24 multiply service factor by 1.00 Speed ratio 1.25 – 1.74 multiply service factor by 1.05 Speed ratio 1.75 – 2.49 multiply service factor by 1.11 Speed ratio 2.50 – 3.49 multiply service factor by 1.18 Speed ratio 3.50 and over multiply service factor by 1.25		Electric motors: AC - Star Delta start DC - Shunt wound Internal combustion engines with 4 or more cylinders Prime movers fitted with centrifugal clutches, dry or fluid couplings or electronic soft start devices			Electric motors: AC - Direct-on-line start DC - Series and component wound Internal combustion engines with less than 4 cylinders Prime movers not fitted with soft start devices		
TYPES OF DRIVEN MACHINE		**Hours per day**					
		10 and under	Over 10 to 16	Over 16	10 and under	Over 10 to 16	Over 16
Class 1 Light Duty	Agitators (uniform density), blowers, exhausters and fans up to 7.5kW, centrifugal compressors and pumps. Belt conveyors (uniformly loaded).	1.0	1.1	1.2	1.1	1.2	1.3
Class 2 Medium Duty	Agitators and mixers (variable density), blowers, exhausters an fans (over 7.5kW). Rotary compressors and pumps (other than centrifugal). Belt conveyors (not uniformly loaded), generators and excitors, laundry machinery, lineshafts, machine tools, printing machinery, sawmill and woodworking machinery, screens (rotary)	1.1	1.2	1.3	1.2	1.3	1.4
Class 3 Heavy Duty	Brick machinery, bucket elevators, compressors and pumps (reciprocating), conveyors (heavy duty). Hoists, mills (hammer), pulverisers, punches, presses, shears, quarry plant, rubber machinery, screens (vibrating), textile machinery.	1.2	1.3	1.4	1.4	1.5	1.6
Class 4 Extra Heavy Duty	Crushers (gyratory-jaw roll), mills (ball-rod-tube)	1.3	1.4	1.5	1.5	1.6	1.8

Centre Distance SPZ, XPZ &QXPZ Wedge Belt Drives

Combined Arc and Belt Length Correction Factor

0.80	0.85	0.90	0.95	1.00	1.05	1.10	1.15

Speed Ratio	Pitch Diameter of Pulleys		Power per SPZ Belt (kW)		BELT LENGTH														SPZ & QXPZ ONLY		Speed Ratio
	Driver	Driven	1440 rev/min	2880 rev/min	630	710	800	900	1000	1120	1250	1400	1600	1800	2000	2240	2500	2800	3150	3550	
1.00	***56***	***56***	*0.93*	*1.56*	*227*	*267*	*312*	*362*	*412*	*472*	–	–	–	–	–	–	–	–	–	–	*1.00*
1.00	***60***	***60***	*1.11*	*1.90*	*221*	*261*	*306*	*356*	*406*	*466*	–	–	–	–	–	–	–	–	–	–	*1.00*
1.00	**63**	**63**	1.06	1.77	216	256	301	351	401	461	526	601	701	801	901	1021	1151	1301	1476	1676	1.00
1.00	**67**	**67**	1.24	2.11	210	250	295	345	395	455	520	595	695	795	895	1015	1145	1295	1470	1670	1.00
1.00	**71**	**71**	1.42	2.44	203	243	288	338	388	448	513	588	688	788	888	1008	1138	1288	1463	1663	1.00
1.00	**75**	**75**	1.60	2.77	197	237	282	332	382	442	507	582	682	782	882	1002	1132	1282	1457	1657	1.00
1.00	**80**	**80**	1.82	3.18	189	229	274	324	374	434	499	574	674	774	874	994	1124	1274	1449	1649	1.00
1.00	**85**	**85**	2.04	3.58	181	221	266	316	366	426	491	566	666	766	866	986	1116	1266	1441	1641	1.00
1.00	**90**	**90**	2.26	3.98	174	214	259	309	359	419	484	559	659	759	859	979	1109	1259	1434	1634	1.00
1.00	**95**	**95**	2.48	4.38	166	206	251	301	351	411	476	551	651	751	851	971	1101	1251	1426	1626	1.00
1.00	**100**	**100**	2.70	4.77	158	198	243	293	343	403	458	543	643	743	843	963	1093	1243	1418	1618	1.00
1.00	**112**	**112**	3.22	5.69	139	179	224	274	324	384	449	524	624	724	824	944	1074	1224	1399	1599	1.00
1.00	**125**	**125**	3.77	6.65	–	159	204	254	304	364	429	504	604	704	804	924	1054	1204	1379	1579	1.00
1.00	**140**	**140**	4.40	7.72	–	–	180	230	280	340	405	480	580	680	780	900	1030	1180	1355	1555	1.00
1.05	***60***	***63***	*1.14*	*1.94*	*218*	*258*	*303*	*353*	*403*	*463*	–	–	–	–	–	–	–	–	–	–	*1.05*
1.05	**95**	**100**	2.50	4.42	162	202	247	297	347	407	472	547	647	747	847	967	1097	1247	1422	1622	1.05
1.06	**90**	**95**	2.31	4.09	170	210	255	305	355	415	480	555	655	755	855	975	1105	1255	1430	1630	1.06
1.06	**71**	**75**	1.47	2.54	200	240	285	335	385	445	510	585	685	785	885	1005	1135	1285	1460	1660	1.06
1.06	**85**	**90**	2.09	3.69	178	218	263	313	363	423	488	563	663	763	863	983	1113	1263	1438	1638	1.06
1.06	**67**	**71**	1.29	2.21	207	247	292	342	392	452	517	592	692	792	892	1012	1142	1292	1467	1667	1.06
1.06	**80**	**85**	1.87	3.28	185	225	270	320	370	430	495	570	670	770	870	990	1120	1270	1445	1645	1.06
1.06	**63**	**67**	1.11	1.88	213	253	298	348	398	458	523	598	698	798	898	1018	1148	1298	1473	1673	1.06
1.07	**75**	**80**	1.65	2.87	193	233	278	328	378	438	503	578	678	778	878	998	1128	1278	1453	1653	1.07
1.07	***56***	***60***	*0.98*	*1.67*	*224*	*264*	*309*	*359*	*409*	*469*	–	–	–	–	–	–	–	–	–	–	*1.07*
1.11	**90**	**100**	2.31	4.09	166	206	251	301	351	411	476	551	651	751	851	971	1101	1251	1426	1626	1.11
1.12	**112**	**125**	3.31	5.87	–	169	214	264	314	374	439	514	614	714	814	934	1064	1214	1389	1589	1.12
1.12	***60***	***67***	*1.20*	*2.09*	*215*	*255*	*300*	*350*	*400*	*460*	–	–	–	–	–	–	–	–	–	–	*1.12*
1.12	**85**	**95**	2.13	3.77	174	214	259	309	359	419	484	559	659	759	859	979	1109	1259	1434	1634	1.12
1.12	**67**	**75**	1.33	2.29	203	243	288	338	388	448	513	588	688	788	888	1008	1138	1288	1463	1663	1.12
1.12	**100**	**112**	2.79	4.95	148	188	233	283	333	393	458	533	633	733	833	953	1083	1233	1408	1608	1.12
1.12	**125**	**140**	3.86	6.84	–	–	192	242	292	352	417	492	592	692	792	912	1042	1192	1367	1567	1.12
1.13	***56***	***63***	*1.02*	*1.74*	*222*	*262*	*307*	*357*	*407*	*467*	–	–	–	–	–	–	–	–	–	–	*1.13*
1.13	**80**	**90**	1.91	3.36	181	221	266	316	366	426	491	566	666	766	866	986	1116	1266	1441	1641	1.13
1.13	**71**	**80**	1.51	2.62	196	236	281	331	381	441	506	581	681	781	881	1001	1131	1281	1456	1656	1.13
1.13	**63**	**71**	1.15	1.95	210	250	295	345	395	455	520	595	695	795	895	1015	1145	1295	1470	1670	1.13
1.13	**75**	**85**	1.69	2.95	189	229	274	324	374	434	499	574	674	774	874	994	1124	1274	1449	1649	1.13
1.14	**140**	**160**	4.49	7.91	–	–	–	214	264	324	389	464	564	664	764	884	1014	1164	1339	1539	1.14
1.18	**85**	**100**	2.13	3.77	170	210	255	305	355	415	480	555	655	755	855	975	1105	1255	1430	1630	1.18
1.18	**95**	**112**	2.57	4.56	152	192	237	287	337	397	462	537	637	737	837	957	1087	1237	1412	1612	1.18
1.18	***60***	***71***	*1.24*	*2.15*	*212*	*252*	*297*	*347*	*397*	*457*	–	–	–	–	–	–	–	–	–	–	*1.18*
1.19	**80**	**95**	1.95	3.43	177	217	262	312	362	422	487	563	663	763	863	983	1113	1263	1438	1638	1.19
1.19	**63**	**75**	1.18	2.02	207	247	292	342	392	452	517	592	692	792	892	1012	1142	1292	1467	1667	1.19
1.19	**67**	**80**	1.37	2.36	199	239	284	334	384	444	510	585	685	785	885	1005	1135	1285	1460	1660	1.19
1.20	***56***	***67***	*1.06*	*1.81*	*218*	*258*	*303*	*353*	*403*	*463*	–	–	–	–	–	–	–	–	–	–	*1.20*
1.20	**71**	**85**	1.54	2.69	192	232	277	327	377	437	502	577	677	777	877	997	1127	1277	1452	1652	1.20
1.20	**75**	**90**	1.72	3.02	185	225	270	320	370	430	495	570	670	770	870	990	1120	1270	1445	1645	1.20
1.24	**90**	**112**	2.39	4.23	156	196	241	291	341	401	466	541	641	741	841	961	1091	1241	1416	1616	1.24
1.25	***60***	***75***	*1.24*	*2.15*	*209*	*249*	*294*	*344*	*394*	*454*	–	–	–	–	–	–	–	–	–	–	*1.25*
1.25	**80**	**100**	1.95	3.43	173	213	258	308	358	419	484	559	659	759	859	979	1109	1259	1434	1634	1.25
1.25	**100**	**125**	2.82	5.02	138	178	223	273	323	383	448	523	623	723	823	943	1073	1223	1398	1598	1.25
1.25	**112**	**140**	3.34	5.94	–	156	202	252	302	362	427	502	602	702	802	922	1052	1202	1377	1577	1.25
1.27	**75**	**95**	1.75	3.07	181	221	266	316	366	426	491	566	666	766	866	986	1116	1266	1441	1641	1.27
1.27	**71**	**90**	1.57	2.74	188	228	273	323	373	433	498	573	673	773	873	994	1124	1274	1449	1649	1.27
1.27	***56***	***71***	*1.08*	*1.86*	*215*	*255*	*300*	*350*	*400*	*460*	–	–	–	–	–	–	–	–	–	–	*1.27*
1.27	**67**	**85**	1.39	2.41	195	235	280	330	381	441	506	581	681	781	881	1001	1131	1281	1456	1656	1.27
1.27	**63**	**80**	1.21	2.07	203	243	288	338	388	448	513	588	688	788	888	1008	1138	1288	1463	1663	1.27
1.28	**125**	**160**	3.92	6.96	–	–	175	225	276	336	401	476	576	676	776	896	1026	1176	1351	1551	1.28
1.29	**140**	**180**	4.55	8.03	–	–	–	198	248	308	373	448	548	648	748	868	998	1148	1324	1524	1.29
1.32	**95**	**125**	2.63	4.68	141	182	227	277	327	387	452	527	627	727	827	947	1077	1227	1402	1602	1.32
1.32	**85**	**112**	2.19	3.89	160	200	245	295	345	405	470	545	645	745	845	965	1095	1245	1420	1620	1.32
1.33	***60***	***80***	*1.26*	*2.21*	*205*	*245*	*290*	*340*	*390*	*450*	–	–	–	–	–	–	–	–	–	–	*1.33*
1.33	**75**	**100**	1.75	3.07	177	217	262	312	362	422	487	562	662	762	862	982	1112	1262	1438	1638	1.33
1.34	**71**	**95**	1.57	2.74	184	224	269	319	369	429	494	569	670	770	870	990	1120	1270	1445	1645	1.34
1.34	***56***	***75***	*1.08*	*1.86*	*212*	*252*	*297*	*347*	*397*	*457*	–	–	–	–	–	–	–	–	–	–	*1.34*
1.34	**67**	**90**	1.39	2.41	191	231	276	326	377	437	502	577	677	777	877	997	1127	1277	1452	1652	1.34
1.35	**63**	**85**	1.21	2.07	198	239	284	334	384	444	509	584	684	784	884	1004	1134	1284	1459	1659	1.35
1.39	**90**	**125**	2.44	4.34	145	185	230	281	331	391	456	531	631	731	831	951	1081	1231	1406	1606	1.39
1.40	**80**	**112**	2.00	3.53	163	204	249	299	349	409	474	549	649	749	849	969	1099	1249	1424	1624	1.40
1.40	**100**	**140**	2.88	5.12	–	165	211	261	311	371	436	511	611	711	811	931	1061	1211	1386	1586	1.40
1.41	**71**	**100**	1.60	2.80	180	220	265	315	365	425	490	566	666	766	866	986	1116	1266	1441	1641	1.41
1.42	***60***	***85***	*1.29*	*2.26*	*201*	*241*	*286*	*336*	*386*	*446*	–	–	–	–	–	–	–	–	–	–	*1.42*
1.42	**67**	**95**	1.42	2.46	187	227	272	322	373	433	498	573	673	773	873	993	1123	1273	1448	1648	1.42
1.43	**56**	**80**	*1.11*	*1.92*	*208*	*248*	*293*	*343*	*393*	*453*	–	–	–	–	–	–	–	–	–	–	*1.43*
1.43	**63**	**90**	1.24	2.13	194	234	280	330	380	440	505	580	680	780	880	1000	1130	1280	1455	1655	1.43
1.43	**112**	**160**	3.39	6.04	–	–	185	235	285	346	411	486	586	686	786	906	1036	1186	1361	1561	1.43

Pitch diameters in italic type indicates drives where the use of CRE PLUS or Quattro PLUS belts are recommended.
The above drives are based on the ISO belt length designations, other belt lengths and pulley combinations are available - consult your local Authorised Distributor. All dimensions in millimetres.

Centre Distance SPZ, XPZ & QXPZ Wedge Belt Drives

Combined Arc and Belt Length Correction Factor

0.80	0.85	0.90	0.95	1.00	1.05	1.10	1.15

Speed Ratio	Pitch Diameter of Pulleys		Power per SPZ Belt (kW)		BELT LENGTH														SPZ & QXPZ ONLY		Speed Ratio
	Driver	Driven	1440 rev/min	2880 rev/min	630	710	800	900	1000	1120	1250	1400	1600	1800	2000	2240	2500	2800	3150	3550	
1.43	**140**	**200**	4.57	8.08	–	–	–	–	231	291	357	432	532	632	732	852	983	1133	1308	1508	1.43
1.44	**125**	**180**	3.95	7.01	–	–	–	209	259	319	384	460	560	660	760	880	1010	1160	1335	1535	1.44
1.47	**85**	**125**	2.22	3.94	149	189	234	284	334	395	460	535	635	735	835	955	1085	1235	1410	1610	1.47
1.47	**95**	**140**	2.66	4.73	–	169	214	264	315	375	440	515	615	715	815	935	1065	1215	1390	1590	1.47
1.49	**67**	**100**	1.42	2.46	183	223	268	318	368	429	494	569	669	769	869	969	1119	1269	1444	1644	1.49
1.49	**75**	**112**	1.78	3.13	167	207	252	303	353	413	478	553	653	753	853	973	1103	1253	1428	1628	1.49
1.50	***60***	***90***	*1.29*	*2.26*	*197*	*237*	*282*	*332*	*382*	*442*	–	–	–	–	–	–	–	–	–	–	*1.50*
1.51	**63**	**95**	1.24	2.13	190	230	275	326	376	436	501	576	676	776	876	996	1126	1276	1451	1651	1.51
1.52	***56***	***85***	*1.11*	*1.92*	*204*	*244*	*289*	*339*	*389*	*449*	–	–	–	–	–	–	–	–	–	–	*1.52*
1.56	**90**	**140**	2.44	4.34	–	173	218	268	318	379	444	519	619	719	819	939	1069	1219	1394	1594	1.56
1.56	**80**	**125**	2.00	3.53	152	193	238	288	338	398	463	539	639	739	839	959	1089	1239	1414	1614	1.56
1.58	**71**	**112**	1.62	2.84	170	210	255	306	356	416	481	556	656	756	856	976	1106	1256	1431	1631	1.58
1.58	***60***	***95***	*1.31*	*2.30*	*192*	*233*	*278*	*328*	*378*	*438*	–	–	–	–	–	–	–	–	–	–	*1.58*
1.59	**63**	**100**	1.26	2.17	186	226	271	321	372	432	497	572	672	772	872	992	1122	1272	1447	1647	1.59
1.60	**100**	**160**	2.90	5.17	–	–	193	244	294	355	420	495	595	695	795	915	1045	1195	1370	1571	1.60
1.60	**125**	**200**	3.97	7.05	–	–	–	191	242	302	368	443	543	644	744	864	994	1144	1319	1519	1.60
1.61	***56***	***90***	*1.13*	*1.96*	*200*	*240*	*285*	*335*	*385*	*445*	–	–	–	–	–	–	–	–	–	–	*1.61*
1.61	**112**	**180**	3.42	6.09	–	–	167	218	269	329	394	469	570	670	770	890	1020	1170	1345	1545	1.61
1.65	**85**	**140**	2.24	3.98	135	176	222	272	322	382	447	523	623	723	823	943	1073	1223	1398	1598	1.65
1.67	***60***	***100***	*1.31*	*2.30*	*188*	*228*	*274*	*324*	*374*	*434*	–	–	–	–	–	–	–	–	–	–	*1.67*
1.67	**75**	**125**	1.80	3.17	156	196	242	292	342	402	467	542	642	742	843	963	1093	1243	1418	1618	1.67
1.67	**67**	**112**	1.44	2.51	173	213	258	309	359	419	484	559	659	759	859	979	1109	1259	1434	1634	1.67
1.68	**95**	**160**	2.68	4.78	–	151	197	248	298	358	423	499	599	699	799	919	1049	1199	1374	1574	1.68
1.70	***56***	***95***	*1.13*	*1.96*	*195*	*236*	*281*	*331*	*381*	*441*	–	–	–	–	–	–	–	–	–	–	*1.70*
1.75	**80**	**140**	2.02	3.58	139	180	225	276	326	386	451	526	626	727	827	947	1077	1227	1402	1602	1.75
1.76	**71**	**125**	1.62	2.84	159	199	245	295	345	405	470	545	645	746	846	966	1096	1246	1421	1621	1.76
1.78	**63**	**112**	1.26	2.17	176	216	261	312	362	422	487	562	662	762	862	982	1112	1262	1437	1637	1.78
1.78	**90**	**160**	2.46	4.38	–	155	201	251	302	362	427	502	603	703	803	923	1053	1203	1378	1578	1.78
1.79	***56***	***100***	*1.13*	*1.96*	*191*	*231*	*277*	*327*	*377*	*437*	–	–	–	–	–	–	–	–	–	–	*1.79*
1.79	**112**	**200**	3.42	6.09	–	–	–	200	251	312	377	453	563	653	754	874	1004	1154	1329	1529	1.79
1.79	**140**	**250**	4.60	8.12	–	–	–	–	–	248	314	390	491	591	692	812	942	1092	1268	1468	1.79
1.80	**100**	**180**	2.90	5.17	–	–	176	227	277	338	403	478	579	679	779	899	1029	1179	1354	1555	1.80
1.87	**67**	**125**	1.44	2.51	162	202	248	298	348	408	473	548	649	749	849	969	1099	1249	1424	1624	1.87
1.87	***60***	***112***	*1.31*	*2.30*	*178*	*218*	*264*	*314*	*364*	*424*	–	–	–	–	–	–	–	–	–	–	*1.87*
1.87	**75**	**140**	1.80	3.17	142	183	229	279	330	390	455	530	630	730	831	951	1081	1231	1406	1606	1.87
1.88	**85**	**160**	2.24	3.98	–	158	204	255	305	366	431	506	606	707	807	927	1057	1207	1382	1582	1.88
1.89	**95**	**180**	2.68	4.78	–	–	179	230	281	341	407	482	582	683	783	903	1033	1183	1358	1558	1.89
1.97	**71**	**140**	1.64	2.88	145	186	232	282	332	393	458	533	633	733	834	954	1084	1234	1409	1609	1.97
1.98	**63**	**125**	1.28	2.21	164	205	250	301	351	411	476	551	652	752	852	972	1102	1252	1427	1627	1.98
2.00	***56***	***112***	*1.15*	*2.00*	*181*	*221*	*267*	*317*	*367*	*427*	–	–	–	–	–	–	–	–	–	–	*2.00*
2.00	**80**	**160**	2.04	3.61	–	162	208	258	309	369	435	510	610	710	811	931	1061	1211	1386	1586	2.00
2.00	**90**	**180**	2.48	4.42	–	–	182	234	284	345	410	486	586	686	787	907	1037	1187	1362	1562	2.00
2.00	**100**	**200**	2.92	5.20	–	–	–	208	260	320	386	462	562	662	763	883	1013	1163	1338	1539	2.00
2.00	**125**	**250**	3.99	7.09	–	–	–	–	–	258	324	401	502	602	703	823	953	1104	1279	1479	2.00
2.08	***60***	***125***	*1.33*	*2.34*	*167*	*207*	*253*	*303*	*353*	*413*	–	–	–	–	–	–	–	–	–	–	*2.08*
2.09	**67**	**140**	1.46	2.54	148	189	235	285	335	396	461	536	636	737	837	957	1087	1237	1412	1612	2.09
2.11	**95**	**200**	2.70	4.81	–	–	–	212	263	324	390	465	566	666	767	887	1017	1167	1342	1542	2.11
2.12	**85**	**180**	2.26	4.02	–	–	186	237	288	349	414	490	590	690	790	911	1041	1191	1366	1566	2.12
2.13	**75**	**160**	1.82	3.21	–	165	211	262	313	373	438	514	614	714	814	934	1065	1215	1390	1590	2.13
2.22	**63**	**140**	1.28	2.21	151	192	237	288	338	399	464	539	639	740	840	960	1090	1240	1415	1615	2.22
2.22	**90**	**200**	2.48	4.42	–	–	–	215	267	328	393	469	570	670	770	891	1021	1171	1346	1546	2.22
2.23	***56***	***125***	*1.15*	*2.00*	*169*	*210*	*256*	*306*	*356*	*416*	–	–	–	–	–	–	–	–	–	–	*2.23*
2.23	**112**	**250**	3.43	6.12	–	–	–	–	204	267	334	410	511	612	712	833	963	1114	1289	1489	2.23
2.25	**80**	**180**	2.04	3.61	–	–	189	241	292	352	418	493	594	694	794	914	1045	1195	1370	1570	2.25
2.25	**140**	**315**	4.61	8.16	–	–	–	–	–	–	252	331	434	535	637	758	888	1039	1214	1415	2.25
2.25	**71**	**160**	1.64	2.88	–	168	214	265	315	376	441	517	617	717	817	938	1068	1218	1393	1593	2.25
2.33	***60***	***140***	*1.33*	*2.34*	*153*	*194*	*240*	*290*	*341*	*401*	–	–	–	–	–	–	–	–	–	–	*2.33*
2.35	**85**	**200**	2.26	4.02	–	–	166	219	270	331	397	473	573	674	774	894	1025	1175	1350	1550	2.35
2.39	**67**	**160**	1.46	2.54	–	170	217	268	318	379	444	520	620	720	820	941	1071	1221	1396	1596	2.39
2.40	**75**	**180**	1.82	3.21	–	–	193	244	295	356	421	497	597	698	798	918	1048	1199	1374	1574	2.40
2.50	***56***	***140***	*1.15*	*2.00*	*155*	*197*	*242*	*293*	*343*	*404*	–	–	–	–	–	–	–	–	–	–	*2.50*
2.50	**80**	**200**	2.04	3.61	–	–	169	222	274	335	401	476	577	677	778	898	1028	1179	1354	1554	2.50
2.50	**100**	**250**	2.92	5.20	–	–	–	–	212	275	342	418	520	621	721	842	972	1123	1298	1498	2.50
2.52	**125**	**315**	3.99	7.09	–	–	–	–	–	–	262	341	444	546	647	769	899	1050	1226	1426	2.52
2.54	**71**	**180**	1.64	2.88	–	148	195	247	298	359	424	500	600	701	801	921	1051	1202	1377	1577	2.54
2.54	**63**	**160**	1.28	2.21	–	173	219	271	321	382	447	523	623	723	823	944	1074	1224	1399	1599	2.54
2.63	**95**	**250**	2.70	4.81	–	–	–	–	215	278	345	422	523	624	725	845	976	1126	1302	1502	2.63
2.67	***60***	***160***	*1.33*	*2.34*	*133*	*175*	*222*	*273*	*323*	*384*	–	–	–	–	–	–	–	–	–	–	*2.67*
2.67	**75**	**200**	1.82	3.21	–	–	173	225	277	338	404	480	581	681	782	902	1032	1182	1358	1558	2.67
2.69	**67**	**180**	1.46	2.54	–	150	198	250	301	362	427	503	603	704	804	924	1054	1205	1380	1580	2.69
2.78	**90**	**250**	2.48	4.42	–	–	–	–	218	282	349	425	527	628	729	849	980	1130	1306	1506	2.78
2.81	**112**	**315**	3.43	6.12	–	–	–	–	–	–	271	350	453	555	657	778	909	1060	1235	1436	2.81
2.82	**71**	**200**	1.64	2.88	–	–	175	228	280	341	407	483	584	684	785	905	1035	1185	1361	1561	2.82
2.86	***56***	***160***	*1.15*	*2.00*	*135*	*178*	*224*	*275*	*326*	*387*	–	–	–	–	–	–	–	–	–	–	*2.86*
2.86	**63**	**180**	1.28	2.21	–	153	201	252	304	364	430	506	606	707	807	927	1058	1208	1383	1583	2.86

Pitch diameters in italic type indicates drives where the use of CRE PLUS or Quattro PLUS belts are recommended.
The above drives are based on the ISO belt length designations, other belt lengths and pulley combinations are available - consult your local Authorised Distributor. All dimensions in millimetres.

Centre Distance SPZ, XPZ & QXPZ Wedge Belt Drives

Combined Arc and Belt Length Correction Factor	0.75	0.80	0.85	0.90	0.95	1.00	1.05	1.10	1.15

Speed Ratio	Pitch Diameter of Pulleys		Power per SPZ Belt (kW)		BELT LENGTH														SPZ & QXPZ ONLY		Speed Ratio
	Driver	Driven	1440 rev/min	2880 rev/min	630	710	800	900	1000	1120	1250	1400	1600	1800	2000	2240	2500	2800	3150	3550	
2.86	**140**	**400**	4.61	8.16	–	–	–	–	–	–	–	–	352	457	561	684	816	967	1143	1345	2.86
2.94	**85**	**250**	2.26	4.02	–	–	–	–	222	285	352	429	530	632	732	853	983	1134	1309	1510	2.94
2.99	**67**	**200**	1.46	2.54	–	–	178	231	282	344	410	486	587	687	787	908	1038	1188	1364	1564	2.99
3.00	***60***	***180***	*1.33*	*2.34*	–	*155*	*203*	*254*	*306*	*367*	–	–	–	–	–	–	–	–	–	–	*3.00*
3.13	**80**	**250**	2.04	3.61	–	–	–	–	225	288	356	432	534	635	736	857	987	1138	1313	1513	3.13
3.15	**100**	**315**	2.92	5.20	–	–	–	–	–	–	278	358	462	564	665	787	918	1069	1244	1445	3.15
3.17	**63**	**200**	1.28	2.21	–	–	180	233	285	347	413	489	589	690	790	911	1041	1191	1367	1567	3.17
3.20	**125**	**400**	3.99	7.09	–	–	–	–	–	–	–	–	362	467	571	694	826	978	1154	1356	3.20
3.21	***56***	***180***	*1.15*	*2.00*	–	*157*	*205*	*257*	*308*	*369*	–	–	–	–	–	–	–	–	–	–	***3.21***
3.32	**95**	**315**	2.70	4.81	–	–	–	–	–	–	281	361	465	567	669	790	921	1072	1248	1449	3.32
3.33	***60***	***200***	*1.33*	*2.34*	–	–	*182*	*235*	*287*	*349*	–	–	–	–	–	–	–	–	–	–	*3.33*
3.33	**75**	**250**	1.82	3.21	–	–	–	–	228	292	359	436	538	639	740	860	991	1141	1317	1517	3.33
3.50	**90**	**315**	2.49	4.44	–	–	–	–	–	–	285	365	468	571	673	794	925	1076	1252	1453	3.50
3.52	**71**	**250**	1.65	2.90	–	–	–	–	231	294	362	439	540	642	742	863	994	1144	1320	1520	3.52
3.57	***56***	***200***	*1.16*	*2.02*	–	–	*185*	*238*	*290*	*352*	–	–	–	–	–	–	–	–	–	–	*3.57*
3.57	**112**	**400**	3.45	6.15	–	–	–	–	–	–	–	–	370	476	580	703	835	987	1164	1365	3.57
3.71	**85**	**315**	2.27	4.04	–	–	–	–	–	–	288	368	472	574	676	798	929	1080	1256	1456	3.71
3.73	**67**	**250**	1.47	2.57	–	–	–	–	233	297	365	442	543	645	745	866	997	1147	1323	1523	3.73
3.94	**80**	**315**	2.05	3.64	–	–	–	–	–	218	291	371	475	578	680	801	932	1083	1259	1460	3.94
3.97	**63**	**250**	1.29	2.23	–	–	–	180	236	300	367	444	546	647	748	869	1000	1150	1326	1526	3.97
4.00	**100**	**400**	2.93	5.23	–	–	–	–	–	–	–	–	377	484	588	711	844	996	1173	1374	4.00
4.17	***60***	***250***	*1.34*	*2.36*	–	–	–	*182*	*238*	*302*	–	–	–	–	–	–	–	–	–	–	*4.17*
4.20	**75**	**315**	1.83	3.23	–	–	–	–	–	221	294	374	479	581	683	805	936	1087	1263	1464	4.20
4.21	**95**	**400**	2.71	4.84	–	–	–	–	–	–	–	268	381	487	592	715	848	1000	1176	1378	4.21
4.44	**71**	**315**	1.65	2.90	–	–	–	–	–	224	297	377	481	584	686	808	939	1090	1266	1467	4.44
4.44	**90**	**400**	2.49	4.44	–	–	–	–	–	–	–	271	384	491	595	718	851	1003	1180	1381	4.44
4.46	***56***	***250***	*1.16*	*2.02*	–	–	–	*184*	*240*	*304*	–	–	–	–	–	–	–	–	–	–	*4.46*
4.70	**67**	**315**	1.47	2.57	–	–	–	–	–	226	299	380	484	587	689	810	942	1093	1269	1470	4.70
4.71	**85**	**400**	2.27	4.04	–	–	–	–	–	–	–	274	387	494	598	722	855	1007	1184	1385	4.71
5.00	**63**	**315**	1.29	2.23	–	–	–	–	–	228	302	382	487	590	692	813	945	1096	1272	1473	5.00
5.00	**80**	**400**	2.05	3.64	–	–	–	–	–	–	–	277	390	497	602	725	858	1010	1187	1389	5.00
5.33	**75**	**400**	1.83	3.23	–	–	–	–	–	–	–	280	393	501	605	729	862	1014	1191	1392	5.33
5.63	**71**	**400**	1.65	2.90	–	–	–	–	–	–	–	282	396	503	608	732	864	1017	1194	1395	5.63
5.97	**67**	**400**	1.47	2.57	–	–	–	–	–	–	–	284	398	506	611	734	867	1020	1197	1398	5.97

Pitch diameters in italic type indicates drives where the use of CRE PLUS or Quattro PLUS belts are recommended.
The above drives are based on the ISO belt length designations, other belt lengths and pulley combinations are available - consult your local Authorised Distributor. All dimensions in millimetres.

Centre Distance SPA, XPA & QXPA Wedge Belt Drives

Combined Arc and Belt Length Correction Factor

0.80	0.85	0.90	0.95	1.00	1.05	1.10

Speed Ratio	Pitch Diameter of Pulleys		Power per SPA Belt (kW)		BELT LENGTH												SPA, QXPA ONLY		SPA ONLY		Speed Ratio
	Driver	Driven	1440 rev/min	2880 rev/min	800	900	1000	1120	1250	1400	1600	1800	2000	2240	2500	2800	3150	3550	4000	4500	
1.00	***80***	***80***	*2.04*	*3.29*	*274*	*324*	*374*	*434*	*499*	*574*	*674*	–	–	–	–	–	–	–	–	–	*1.00*
1.00	***85***	***85***	*2.43*	*4.00*	*266*	*316*	*366*	*426*	*491*	*566*	*666*	–	–	–	–	–	–	–	–	–	*1.00*
1.00	**90**	**90**	2.29	3.65	259	309	359	419	484	559	659	759	859	979	1109	1259	1434	1634	1859	2109	1.00
1.00	**95**	**95**	2.68	4.35	251	301	351	411	476	551	651	751	851	971	1101	1251	1426	1626	1851	2101	1.00
1.00	**100**	**100**	3.06	5.04	243	293	343	403	468	543	643	743	843	963	1093	1243	1418	1618	1843	2093	1.00
1.00	**106**	**106**	3.52	5.85	233	283	333	393	458	533	633	733	833	953	1083	1233	1408	1608	1833	2083	1.00
1.00	**112**	**112**	3.98	6.66	224	274	324	384	449	524	624	724	824	944	1074	1224	1399	1599	1824	2074	1.00
1.00	**118**	**118**	4.43	7.45	215	265	315	375	440	515	615	715	815	935	1065	1215	1390	1590	1815	2065	1.00
1.00	**125**	**125**	4.95	8.36	204	254	304	364	429	504	604	704	804	924	1054	1204	1379	1579	1804	2054	1.00
1.00	**132**	**132**	5.47	9.26	193	243	293	353	418	493	593	693	793	913	1043	1193	1368	1568	1793	2043	1.00
1.00	**140**	**140**	6.06	10.25	180	230	280	340	405	480	580	680	780	900	1030	1180	1355	1555	1780	2030	1.00
1.00	**150**	**150**	6.79	11.47	–	214	264	324	389	464	564	664	764	884	1014	1164	1339	1539	1764	2014	1.00
1.00	**160**	**160**	7.51	12.65	–	199	249	309	374	449	549	649	749	869	999	1149	1324	1524	1749	1999	1.00
1.00	**180**	**180**	8.93	14.89	–	–	217	277	342	417	517	617	717	837	967	1117	1292	1492	1717	1967	1.00
1.00	**200**	**200**	10.31	16.95	–	–	–	246	311	386	486	586	686	806	936	1086	1261	1461	1686	1936	1.00
1.05	**95**	**100**	2.73	4.45	247	297	347	407	472	547	647	747	847	967	1097	1247	1422	1622	1847	2097	1.05
1.05	**112**	**118**	4.03	6.76	219	269	319	379	444	519	619	719	819	939	1069	1219	1394	1594	1819	2069	1.05
1.06	**90**	**95**	2.43	3.92	255	305	355	415	480	555	655	755	855	975	1105	1255	1430	1630	1855	2105	1.06
1.06	**125**	**132**	5.09	8.63	198	248	298	358	423	498	598	698	798	918	1048	1198	1373	1573	1798	2048	1.06
1.06	**106**	**112**	3.66	6.13	229	279	329	389	454	529	629	729	829	949	1079	1229	1404	1604	1829	2079	1.06
1.06	**85**	**90**	*2.57*	*4.27*	*263*	*313*	*363*	*423*	*488*	*563*	*663*	–	–	–	–	–	–	–	–	–	*1.06*
1.06	**118**	**125**	4.56	7.72	209	259	309	369	434	509	609	709	809	929	1059	1209	1384	1584	1809	2059	1.06
1.06	**100**	**106**	3.20	5.31	238	288	338	398	463	538	638	738	838	958	1088	1238	1413	1613	1838	2088	1.06
1.06	**132**	**140**	5.60	9.53	186	236	286	346	411	486	586	686	786	906	1036	1186	1361	1561	1786	2036	1.06
1.06	***80***	***85***	*2.18*	*3.56*	*270*	*320*	*370*	*430*	*495*	*570*	*670*	–	–	–	–	–	–	–	–	–	*1.06*
1.07	**150**	**160**	6.92	11.74	–	206	256	316	381	456	557	657	757	877	1007	1157	1332	1532	1757	2007	1.07
1.07	**140**	**150**	6.19	10.53	172	222	272	332	397	472	572	672	772	882	1022	1172	1347	1547	1772	2022	1.07
1.11	**90**	**100**	2.43	3.92	251	301	351	411	476	551	651	751	851	971	1101	1251	1426	1626	1851	2101	1.11
1.11	**180**	**200**	9.06	15.17	–	–	–	261	326	401	501	601	701	821	951	1102	1277	1477	1702	1952	1.11
1.11	**106**	**118**	3.66	6.13	224	274	324	384	449	524	624	724	824	944	1074	1224	1399	1599	1824	2074	1.11
1.12	**95**	**106**	2.92	4.82	242	292	342	402	467	542	642	742	842	962	1092	1242	1417	1617	1842	2092	1.12
1.12	**112**	**125**	4.21	7.13	214	264	314	374	439	514	614	714	814	934	1064	1214	1389	1589	1814	2064	1.12
1.12	***85***	***95***	*2.67*	*4.47*	*259*	*309*	*359*	*419*	*484*	*559*	*659*	–	–	–	–	–	–	–	–	–	*1.12*
1.12	**118**	**132**	4.66	7.93	204	254	304	364	429	504	604	704	804	924	1054	1204	1379	1579	1804	2054	1.12
1.12	**100**	**112**	3.30	5.51	233	283	333	393	458	533	633	733	833	953	1083	1233	1408	1608	1833	2083	1.12
1.12	**125**	**140**	5.19	8.84	192	242	292	352	417	492	592	692	792	912	1042	1192	1367	1567	1792	2042	1.12
1.12	**200**	**224**	10.55	17.42	–	–	–	–	292	367	467	567	667	787	917	1067	1242	1442	1667	1917	1.12
1.13	***80***	***90***	*2.28*	*3.76*	*266*	*316*	*366*	*426*	*491*	*566*	*666*	–	–	–	–	–	–	–	–	–	*1.13*
1.13	**160**	**180**	7.74	13.12	–	–	233	293	358	433	533	633	733	853	983	1133	1308	1508	1733	1983	1.13
1.14	**132**	**150**	5.71	9.73	178	228	278	338	403	478	578	678	778	898	1028	1178	1353	1553	1778	2028	1.14
1.14	**140**	**160**	6.29	10.73	-	214	264	324	389	464	564	664	764	884	1014	1164	1339	1359	1764	2014	1.14
1.18	***85***	***100***	*2.67*	*4.47*	*255*	*305*	*355*	*415*	*480*	*555*	*655*	–	–	–	–	–	–	–	–	–	*1.18*
1.18	**90**	**106**	2.53	4.12	246	296	346	406	471	546	646	746	846	966	1096	1246	1421	1621	1846	2096	1.18
1.18	**112**	**132**	4.21	7.13	208	258	308	368	433	508	608	708	808	928	1058	1208	1383	1583	1808	2058	1.18
1.18	**95**	**112**	2.92	4.82	237	287	337	397	462	537	637	737	837	957	1087	1237	1412	1612	1837	2087	1.18
1.18	**106**	**125**	3.76	6.33	218	268	318	378	443	518	618	719	819	939	1069	1219	1394	1594	1819	2069	1.18
1.18	**100**	**118**	3.39	5.68	229	279	329	389	454	529	629	729	829	949	1079	1229	1404	1604	1829	2079	1.18
1.19	**118**	**140**	4.75	8.10	197	247	297	357	422	497	597	697	797	917	1047	1197	1372	1572	1797	2047	1.19
1.19	***80***	***95***	*2.37*	*3.93*	*262*	*312*	*362*	*422*	*487*	*563*	*663*	–	–	–	–	–	–	–	–	–	*1.19*
1.20	**125**	**150**	5.27	9.01	184	234	284	344	409	484	584	684	784	904	1034	1184	1359	1559	1784	2034	1.20
1.20	**150**	**180**	7.11	12.12	–	190	240	300	366	441	541	641	741	861	991	1141	1316	1516	1741	1991	1.20
1.21	**132**	**160**	5.79	9.90	170	220	270	330	395	470	570	671	771	891	1021	1171	1346	1546	1771	2021	1.20
1.24	**95**	**118**	3.00	4.99	232	282	333	393	458	533	633	733	833	953	1083	1233	1408	1608	1833	2083	1.24
1.24	**90**	**112**	2.62	4.29	241	291	341	401	466	541	641	741	841	961	1091	1241	1416	1616	1841	2091	1.24
1.24	**180**	**224**	9.25	15.53	–	–	–	242	307	382	482	582	682	802	932	1082	1258	1458	1683	1933	1.24
1.25	**106**	**132**	3.84	6.50	213	263	313	373	438	513	613	713	813	933	1063	1213	1388	1588	1813	2063	1.25
1.25	***85***	***106***	*2.76*	*4.65*	*250*	*300*	*350*	*410*	*475*	*550*	*650*	–	–	–	–	–	–	–	–	–	*1.25*
1.25	***80***	***100***	*2.37*	*3.93*	*258*	*308*	*358*	*419*	*484*	*559*	*659*	–	–	–	–	–	–	–	–	–	*1.25*
1.25	**100**	**125**	3.39	5.69	223	273	323	383	448	523	623	723	823	943	1073	1223	1398	1598	1823	2073	1.25
1.25	**112**	**140**	4.30	7.30	202	252	302	362	427	502	602	702	802	922	1052	1202	1377	1577	1802	2052	1.25
1.25	**160**	**200**	7.83	13.29	–	–	216	277	342	417	517	617	717	837	967	1117	1292	1492	1717	1967	1.25
1.25	**200**	**250**	10.63	17.60	–	–	–	–	270	346	446	546	646	766	896	1046	1221	1421	1646	1896	1.25
1.27	**118**	**150**	4.82	8.23	189	239	289	349	414	489	589	689	789	909	1039	1189	1364	1564	1789	2039	1.27
1.28	**125**	**160**	5.34	9.14	175	225	276	336	401	476	576	676	776	896	1026	1176	1351	1551	1776	2026	1.28
1.29	**140**	**180**	6.45	11.04	–	198	248	308	373	448	548	648	748	868	998	1148	1324	1524	1749	1999	1.29
1.31	**90**	**118**	2.68	4.43	236	286	336	396	461	536	636	737	837	957	1087	1237	1412	1612	1837	2087	1.31
1.32	**95**	**125**	3.07	5.13	227	277	327	387	452	527	627	727	827	947	1077	1227	1402	1602	1827	2077	1.32
1.32	***85***	***112***	*2.82*	*4.78*	*245*	*295*	*345*	*405*	*470*	*545*	*645*	–	–	–	–	–	–	–	–	–	*1.32*
1.32	**100**	**132**	3.45	5.82	217	267	317	377	442	518	618	718	818	938	1068	1218	1393	1593	1818	2068	1.32
1.32	**106**	**140**	3.91	6.63	206	256	306	366	431	507	607	707	807	927	1057	1207	1382	1582	1807	2057	1.32
1.32	***80***	***106***	*2.43*	*4.07*	*254*	*304*	*354*	*414*	*479*	*554*	*654*	–	–	–	–	–	–	–	–	–	*1.32*
1.33	**150**	**200**	7.18	12.25	–	–	224	284	349	424	525	625	725	845	975	1125	1300	1500	1725	1975	1.33
1.34	**112**	**150**	4.37	7.44	193	243	294	354	419	494	594	694	794	914	1044	1194	1369	1569	1794	2044	1.34
1.36	**118**	**160**	4.82	8.23	180	231	281	341	406	481	581	681	781	901	1031	1181	1356	1557	1782	2032	1.36
1.36	**132**	**180**	5.86	10.04	–	204	254	314	379	454	554	655	755	875	1005	1155	1330	1530	1755	2005	1.36

Pitch diameters in italic type indicates drives where the use of CRE PLUS or Quattro PLUS belts are recommended.
The above drives are based on the ISO belt length designations, other belt lengths and pulley combinations are available - consult your local Authorised Distributor. All dimensions in millimetres.

Centre Distance SPA, XPA & QXPA Wedge Belt Drives

Combined Arc and Belt Length Correction Factor

			0.80				0.85			0.90		0.95		1.00		1.05		1.10		
Speed Ratio	Pitch Diameter of Pulleys		Power per SPA Belt (kW)		BELT LENGTH											SPA & QXPA ONLY			SPA ONLY	Speed Ratio
	Driver	Driven	1440 rev/min	2880 rev/min	800	900	1000	1120	1250	1400	1600	1800	2000	2240	2500	2800	3150	3550	4000	4500	
1.39	**85**	**118**	2.89	4.92	240	290	340	400	465	540	640	–	–	–	–	–	–	–	–	–	1.39
1.39	**90**	**125**	2.75	4.56	230	281	331	391	456	531	631	731	831	951	1081	1231	1406	1606	1831	2081	1.39
1.39	**180**	**250**	9.38	15.80	–	–	–	–	285	361	461	561	661	781	912	1062	1237	1437	1662	1912	1.39
1.39	**95**	**132**	3.14	5.26	221	271	321	381	446	521	621	721	822	942	1072	1222	1397	1597	1822	2072	1.39
1.40	**80**	**112**	2.50	4.20	249	299	349	409	474	549	649	–	–	–	–	–	–	–	–	–	1.40
1.40	**100**	**140**	3.52	5.95	211	261	311	371	436	511	611	711	811	931	1061	1211	1386	1586	1811	2061	1.40
1.40	**160**	**224**	7.96	13.56	–	–	–	256	322	397	497	598	698	818	948	1098	1273	1473	1698	1948	1.40
1.40	**200**	**280**	10.77	17.87	–	–	–	–	–	321	421	521	622	742	872	1022	1197	1397	1623	1873	1.40
1.42	**106**	**150**	3.98	6.77	198	248	298	358	423	498	599	699	799	919	1049	1199	1374	1574	1799	2049	1.42
1.43	**112**	**160**	4.43	7.57	185	235	285	346	411	486	586	686	786	906	1036	1186	1361	1561	1786	2036	1.43
1.43	**140**	**200**	6.51	11.17	–	–	231	291	357	432	532	632	732	852	983	1133	1308	1508	1733	1983	1.43
1.44	**125**	**180**	5.41	9.28	–	209	259	319	384	460	560	660	760	880	1010	1160	1335	1535	1760	2010	1.44
1.47	**90**	**132**	2.75	4.56	225	275	325	385	450	525	625	725	825	945	1075	1225	1400	1601	1826	2076	1.47
1.47	**85**	**125**	2.89	4.92	234	284	334	395	460	535	635	–	–	–	–	–	–	–	–	–	1.47
1.47	**95**	**140**	3.14	5.26	214	264	315	375	440	515	615	715	815	935	1065	1215	1390	1590	1815	2065	1.47
1.47	**80**	**118**	2.50	4.20	244	294	344	404	469	544	644	–	–	–	–	–	–	–	–	–	1.47
1.49	**150**	**224**	7.24	12.39	-	-	-	264	329	405	505	605	705	825	956	1106	1281	1481	1706	1956	1.49
1.50	**100**	**150**	3.52	5.95	202	252	303	363	428	503	603	703	803	923	1053	1203	1378	1578	1803	2053	1.50
1.51	**106**	**160**	3.98	6.77	189	240	290	350	415	490	590	691	791	911	1041	1191	1366	1566	1791	2041	1.51
1.52	**132**	**200**	5.93	10.17	–	186	237	297	363	438	538	638	738	859	989	1139	1314	1514	1739	1989	1.52
1.53	**118**	**180**	4.88	8.37	–	214	264	324	390	465	565	665	765	885	1015	1166	1341	1541	1766	2016	1.53
1.55	**85**	**132**	2.89	4.92	228	279	329	389	454	529	629	–	–	–	–	–	–	–	–	–	1.55
1.56	**90**	**140**	2.75	4.56	218	268	318	379	444	519	619	719	819	939	1069	1219	1394	1594	1819	2069	1.56
1.56	**180**	**280**	9.38	15.80	–	–	–	–	259	335	436	536	637	757	887	1038	1213	1413	1638	1888	1.56
1.56	**80**	**125**	2.50	4.20	238	288	338	398	463	539	639	–	–	–	–	–	–	–	–	–	1.56
1.56	**160**	**250**	7.96	13.56	–	–	–	234	300	375	476	576	676	797	927	1077	1252	1452	1677	1927	1.56
1.57	**200**	**315**	10.78	17.89	–	–	–	–	–	290	391	492	593	713	844	994	1169	1369	1594	1845	1.57
1.58	**95**	**150**	3.19	5.38	206	256	306	367	432	507	607	707	807	927	1057	1207	1382	1582	1807	2057	1.58
1.60	**100**	**160**	3.58	6.07	193	244	294	355	420	495	595	695	795	915	1045	1195	1370	1571	1796	2046	1.60
1.60	**125**	**200**	5.46	9.39	–	191	242	302	368	443	543	644	744	864	994	1144	1319	1519	1744	1994	1.60
1.60	**140**	**224**	6.57	11.28	–	–	210	271	336	412	512	613	713	833	963	1113	1288	1489	1714	1964	1.60
1.61	**112**	**180**	4.49	7.69	167	218	269	329	394	469	570	670	770	890	1020	1170	1345	1545	1770	2020	1.61
1.65	**85**	**140**	2.95	5.03	222	272	322	382	447	523	623	–	–	–	–	–	–	–	–	–	1.65
1.65	**80**	**132**	2.56	4.32	232	282	332	393	458	533	633	–	–	–	–	–	–	–	–	–	1.65
1.67	**90**	**150**	2.81	4.68	209	260	310	370	435	511	611	711	811	931	1061	1211	1386	1586	1811	2061	1.67
1.67	**150**	**250**	7.30	12.50	–	–	–	241	307	383	483	584	684	804	935	1085	1260	1460	1685	1935	1.67
1.68	**95**	**160**	3.19	5.38	197	248	298	358	423	499	599	699	799	919	1049	1199	1374	1574	1799	2049	1.68
1.69	**118**	**200**	4.94	8.48	–	196	247	308	373	448	549	649	749	869	999	1150	1325	1525	1750	2000	1.69
1.70	**132**	**224**	5.98	10.28	–	–	215	277	342	418	518	619	719	839	969	1119	1295	1495	1720	1970	1.70
1.70	**106**	**180**	4.04	6.88	171	222	273	333	399	474	574	674	774	895	1025	1175	1350	1550	1775	2025	1.70
1.75	**80**	**140**	2.56	4.32	225	276	326	386	451	526	626	–	–	–	–	–	–	–	–	–	1.75
1.75	**160**	**280**	8.02	13.68	–	–	–	–	273	349	450	551	652	772	902	1053	1228	1428	1653	1903	1.75
1.75	**180**	**315**	9.44	15.91	–	–	–	–	–	304	406	507	607	728	859	1009	1184	1385	1610	1860	1.75
1.76	**85**	**150**	2.95	5.03	213	263	314	374	439	514	615	–	–	–	–	–	–	–	–	–	1.76
1.78	**90**	**160**	2.81	4.68	201	251	302	362	427	502	603	703	803	923	1053	1203	1378	1578	1803	2053	1.78
1.79	**112**	**200**	4.49	7.69	–	200	251	312	377	453	553	653	754	874	1004	1154	1329	1529	1754	2004	1.79
1.79	**140**	**250**	6.57	11.28	–	–	–	248	314	390	491	591	692	812	942	1092	1268	1468	1693	1943	1.79
1.79	**125**	**224**	5.46	9.39	–	–	220	282	347	423	524	624	724	844	975	1125	1300	1500	1725	1975	1.79
1.80	**100**	**180**	3.58	6.07	176	227	277	338	403	478	579	679	779	899	1029	1179	1354	1555	1780	2030	1.80
1.87	**150**	**280**	7.30	12.50	–	–	–	–	280	356	458	558	659	780	910	1060	1236	1436	1661	1911	1.87
1.88	**80**	**150**	2.56	4.32	217	267	317	378	443	518	618	–	–	–	–	–	–	–	–	–	1.88
1.88	**85**	**160**	2.95	5.03	204	255	305	366	431	506	606	–	–	–	–	–	–	–	–	–	1.88
1.89	**106**	**200**	4.04	6.88	–	204	255	316	382	457	558	658	758	878	1009	1159	1334	1534	1759	2009	1.89
1.89	**132**	**250**	5.98	10.28	–	–	–	253	320	396	496	597	697	818	948	1098	1274	1474	1699	1949	1.89
1.89	**95**	**180**	3.19	5.38	179	230	281	341	407	482	582	683	783	903	1033	1183	1358	1558	1784	2034	1.89
1.90	**118**	**224**	4.94	8.48	–	–	225	286	352	428	529	629	729	850	980	1130	1305	1505	1731	1981	1.90
1.97	**160**	**315**	8.07	13.77	–	–	–	–	–	317	420	521	622	743	873	1024	1199	1400	1625	1875	1.97
2.00	**80**	**160**	2.60	4.41	208	258	309	369	435	510	610	–	–	–	–	–	–	–	–	–	2.00
2.00	**90**	**180**	2.85	4.77	182	234	284	345	410	486	586	686	787	907	1037	1187	1362	1562	1787	2037	2.00
2.00	**100**	**200**	3.62	6.16	–	208	260	320	386	462	562	662	763	883	1013	1163	1338	1539	1764	2014	2.00
2.00	**112**	**224**	4.54	7.78	–	–	229	291	357	432	533	634	734	854	985	1135	1310	1510	1735	1985	2.00
2.00	**125**	**250**	5.51	9.48	–	–	–	258	324	401	502	602	703	823	953	1104	1279	1479	1704	1954	2.00
2.00	**140**	**280**	6.62	11.38	–	–	–	–	287	363	465	566	666	787	917	1068	1243	1443	1669	1919	2.00
2.00	**200**	**400**	10.87	18.07	–	–	–	–	–	–	–	417	519	641	772	923	1099	1300	1525	1776	2.00
2.10	**150**	**315**	7.35	12.59	–	–	–	–	–	324	427	528	629	750	881	1031	1207	1407	1633	1883	2.10
2.11	**95**	**200**	3.24	5.47	–	212	263	324	390	465	566	666	767	887	1017	1167	1342	1542	1768	2018	2.11
2.11	**106**	**224**	4.08	6.97	–	–	233	295	361	437	538	638	738	859	989	1139	1314	1515	1740	1990	2.11
2.12	**85**	**180**	2.99	5.12	186	237	288	349	414	490	590	–	–	–	–	–	–	–	–	–	2.12
2.12	**118**	**250**	4.99	8.57	–	–	–	263	329	406	507	607	708	828	959	1109	1284	1485	1710	1960	2.12
2.12	**132**	**280**	6.03	10.38	–	–	–	–	292	369	471	572	672	793	923	1074	1249	1450	1675	1925	2.12
2.22	**90**	**200**	2.85	4.77	–	215	267	328	393	469	570	670	770	891	1021	1171	1346	1546	1771	2021	2.22
2.22	**180**	**400**	9.49	16.01	–	–	–	–	–	–	326	430	533	655	787	938	1114	1315	1541	1791	2.22
2.23	**112**	**250**	4.54	7.78	–	–	204	267	334	410	511	612	712	833	963	1114	1289	1489	1714	1964	2.23
2.24	**100**	**224**	3.62	6.16	–	185	237	299	365	441	542	643	743	863	994	1144	1319	1519	1744	1995	2.24
2.24	**125**	**280**	5.51	9.48	–	–	–	229	297	374	476	577	677	798	929	1079	1255	1455	1680	1930	2.24

Pitch diameters in italic type indicates drives where the use of CRE PLUS or Quattro PLUS belts are recommended.
The above drives are based on the ISO belt length designations, other belt lengths and pulley combinations are available - consult your local Authorised Distributor. All dimensions in millimetres.

Centre Distance SPA, XPA & QXPA Wedge Belt Drives

Combined Arc and Belt Length Correction Factor

0.80	0.85	0.90	0.95	1.00	1.05	1.10

Speed Ratio	Pitch Diameter of Pulleys		Power per SPA Belt (kW)													SPA & QXPA ONLY				Speed Ratio
	Driver	Driven	1440 rev/min	2880 rev/min	800	900	1000	1120	1250	1400	1600	1800	2000	2240	2500	2800	3150	3550	4000	4500	
2.25	***80***	***180***	*2.60*	*4.41*	*189*	*241*	*292*	*352*	*418*	*493*	*594*	–	–	–	–	–	–	–	–	–	*2.25*
2.25	**140**	**315**	6.62	11.38	–	–	–	–	252	331	434	535	637	758	888	1039	1214	1415	1640	1891	2.25
2.35	*85*	*200*	*2.99*	*5.12*	*166*	*219*	*270*	*331*	*397*	*473*	*573*	–	–	–	–	–	–	–	–	–	*2.35*
2.36	**95**	**224**	3.24	5.47	–	188	241	303	369	445	546	646	747	867	997	1148	1323	1523	1748	1998	2.36
2.36	**106**	**250**	4.08	6.97	–	–	208	271	338	414	515	616	717	837	968	1118	1293	1494	1719	1969	2.36
2.37	**118**	**280**	4.99	8.57	–	–	–	233	302	379	481	582	683	803	934	1084	1260	1460	1685	1936	2.37
2.39	**132**	**315**	6.03	10.38	–	–	–	–	258	336	439	541	642	763	894	1045	1220	1421	1646	1897	2.39
2.49	**90**	**224**	2.85	4.77	–	192	244	306	372	448	549	650	750	871	1001	1151	1327	1527	1752	2002	2.49
2.50	***80***	***200***	*2.60*	*4.41*	*169*	*222*	*274*	*335*	*401*	*476*	*577*	–	–	–	–	–	–	–	–	–	*2.50*
2.50	**100**	**250**	3.62	6.16	–	–	212	275	342	418	520	621	721	842	972	1123	1298	1498	1723	1974	2.50
2.50	**112**	**280**	4.54	7.78	–	–	–	237	306	383	485	586	687	808	938	1089	1264	1465	1690	1940	2.50
2.50	**160**	**400**	8.07	13.77	–	–	–	–	–	–	339	444	547	669	801	953	1129	1330	1556	1806	2.50
2.50	**200**	**500**	10.87	18.07	–	–	–	–	–	–	–	–	424	550	684	837	1014	1216	1442	1694	2.50
2.52	**125**	**315**	5.51	9.48	–	–	–	–	262	341	444	546	647	769	899	1050	1226	1426	1652	1902	2.52
2.63	**95**	**250**	3.24	5.47	–	–	215	278	345	422	523	624	725	845	976	1126	1302	1502	1727	1978	2.63
2.64	***85***	***224***	*2.99*	*5.12*	–	*195*	*248*	*310*	*376*	*452*	*553*	–	–	–	–	–	–	–	–	–	*2.64*
2.64	**106**	**280**	4.08	6.97	–	–	–	241	310	387	489	590	691	812	943	1093	1269	1469	1695	1945	2.64
2.67	**150**	**400**	7.35	12.59	–	–	–	–	–	–	345	451	554	676	808	960	1136	1337	1563	1814	2.67
2.67	**118**	**315**	4.99	8.57	–	–	–	–	267	346	449	551	652	774	905	1055	1231	1432	1657	1907	2.67
2.78	**90**	**250**	2.85	4.77	–	–	218	282	349	425	527	628	729	849	980	1130	1306	1506	1731	1981	2.78
2.78	**180**	**500**	9.49	16.01	–	–	–	–	–	–	–	–	437	563	698	851	1028	1231	1457	1708	2.78
2.80	***80***	***224***	*2.60*	*4.41*	–	*198*	*251*	*313*	*379*	*456*	*557*	–	–	–	–	–	–	–	–	–	*2.80*
2.80	**100**	**280**	3.62	6.16	–	–	–	245	314	391	493	595	696	817	947	1098	1273	1474	1699	1949	2.80
2.81	**112**	**315**	4.54	7.78	–	–	–	–	271	350	453	555	657	778	909	1060	1235	1436	1662	1912	2.81
2.86	**140**	**400**	6.62	11.38	–	–	–	–	–	–	352	457	561	684	816	967	1143	1345	1571	1821	2.86
2.94	***85***	***250***	*2.99*	*5.12*	–	–	*222*	*285*	*352*	*429*	*530*	–	–	–	–	–	–	–	–	–	*2.94*
2.95	**95**	**280**	3.24	5.47	–	–	–	248	317	395	497	598	699	820	951	1102	1277	1478	1703	1953	2.95
2.97	**106**	**315**	4.08	6.97	–	–	–	–	274	354	457	560	661	782	913	1064	1240	1441	1666	1916	2.97
3.03	**132**	**400**	6.03	10.38	–	–	–	–	–	–	357	463	566	689	821	973	1149	1351	1576	1827	3.03
3.11	**90**	**280**	2.85	4.77	–	–	–	251	320	398	500	602	703	824	955	1105	1281	1481	1707	1957	3.11
3.13	***80***	***250***	*2.60*	*4.41*	–	–	*225*	*288*	*356*	*432*	*534*	–	–	–	–	–	–	–	–	–	*3.13*
3.13	**160**	**500**	8.07	13.77	–	–	–	–	–	–	–	–	449	577	711	865	1043	1245	1472	1723	3.13
3.15	**100**	**315**	3.62	6.16	–	–	–	–	278	358	462	564	665	787	918	1069	1244	1445	1671	1921	3.15
3.15	**200**	**630**	10.87	18.07	–	–	–	–	–	–	–	–	–	–	557	716	897	1102	1331	1584	3.15
3.20	**125**	**400**	5.51	9.48	–	–	–	–	–	–	362	467	571	694	826	978	1154	1356	1582	1833	3.20
3.29	***85***	***280***	*2.99*	*5.12*	–	–	–	*255*	*324*	*401*	*504*	–	–	–	–	–	–	–	–	–	*3.29*
3.32	**95**	**315**	3.24	5.47	–	–	–	–	281	361	465	567	669	790	921	1072	1248	1449	1674	1925	3.32
3.33	**150**	**500**	7.35	12.59	–	–	–	–	–	–	–	345	456	583	718	872	1050	1252	1479	1731	3.33
3.39	**118**	**400**	5.02	8.64	–	–	–	–	–	–	366	472	576	699	831	983	1160	1361	1587	1838	3.39
3.50	***80***	***280***	*2.64*	*4.47*	–	–	–	*258*	*327*	*405*	*507*	–	–	–	–	–	–	–	–	–	*3.50*
3.50	**90**	**315**	2.89	4.84	–	–	–	–	285	365	468	571	673	794	925	1076	1252	1453	1678	1929	3.50
3.50	**180**	**630**	9.52	16.07	–	–	–	–	–	–	–	–	–	–	569	729	911	1116	1345	1598	3.50
3.57	**112**	**400**	4.57	7.85	–	–	–	–	–	–	370	476	580	703	835	987	1164	1365	1591	1842	3.57
3.57	**140**	**500**	6.65	11.44	–	–	–	–	–	–	–	351	462	590	725	879	1057	1259	1486	1738	3.57
3.71	***85***	***315***	*3.03*	*5.19*	–	–	–	–	*288*	*368*	*472*	–	–	–	–	–	–	–	–	–	*3.71*
3.77	**106**	**400**	4.11	7.04	–	–	–	–	–	–	374	480	584	707	840	992	1168	1370	1596	1847	3.77
3.79	**132**	**500**	6.06	10.44	–	–	–	–	–	–	–	356	467	595	730	884	1063	1265	1492	1744	3.79
3.94	***80***	***315***	*2.64*	*4.47*	–	–	–	*218*	*291*	*371*	*475*	–	–	–	–	–	–	–	–	–	*3.94*
3.94	**160**	**630**	8.10	13.84	–	–	–	–	–	–	–	–	–	436	582	742	925	1130	1359	1612	3.94
4.00	**100**	**400**	3.66	6.22	–	–	–	–	–	–	377	484	588	711	844	996	1173	1374	1600	1851	4.00
4.00	**125**	**500**	5.54	9.55	–	–	–	–	–	–	–	360	472	600	735	889	1068	1270	1497	1749	4.00
4.20	**150**	**630**	7.38	12.66	–	–	–	–	–	–	–	–	–	442	588	749	931	1137	1366	1620	4.20
4.21	**95**	**400**	3.27	5.53	–	–	–	–	–	268	381	487	592	715	848	1000	1176	1378	1604	1855	4.21
4.24	**118**	**500**	5.02	8.64	–	–	–	–	–	–	–	365	476	604	740	894	1073	1275	1502	1754	4.24
4.44	**90**	**400**	2.89	4.84	–	–	–	–	–	271	384	491	595	718	851	1003	1180	1381	1608	1859	4.44
4.46	**112**	**500**	4.57	7.85	–	–	–	–	–	–	–	368	480	608	744	898	1077	1280	1507	1759	4.46
4.50	**140**	**630**	6.65	11.44	–	–	–	–	–	–	–	–	–	448	595	756	938	1144	1373	1627	4.50
4.71	***85***	***400***	*3.03*	*5.19*	–	–	–	–	–	*274*	*387*	–	–	–	–	–	–	–	–	–	*4.71*
4.72	**106**	**500**	4.11	7.04	–	–	–	–	–	–	–	372	484	612	748	903	1081	1284	1511	1763	4.72
4.77	**132**	**630**	6.06	10.44	–	–	–	–	–	–	–	–	–	453	600	761	944	1150	1379	1633	4.77
5.00	***80***	***400***	*2.64*	*4.47*	–	–	–	–	–	*277*	*390*	–	–	–	–	–	–	–	–	–	*5.00*
5.00	**100**	**500**	3.66	6.22	–	–	–	–	–	–	–	375	488	616	752	907	1085	1288	1516	1767	5.00
5.04	**125**	**630**	5.54	9.55	–	–	–	–	–	–	–	–	–	457	604	765	948	1154	1384	1638	5.04
5.26	**95**	**500**	3.27	5.53	–	–	–	–	–	–	–	379	491	620	756	910	1089	1292	1519	1771	5.26
5.34	**118**	**630**	5.02	8.64	–	–	–	–	–	–	–	–	–	462	609	770	953	1159	1389	1643	5.34
5.56	**90**	**500**	2.89	4.84	–	–	–	–	–	–	–	382	494	623	759	914	1092	1295	1523	1775	5.56
5.63	**112**	**630**	4.57	7.85	–	–	–	–	–	–	–	–	–	465	612	774	957	1163	1393	1647	5.63
5.71	**140**	**800**	6.65	11.44	–	–	–	–	–	–	–	–	–	–	–	565	766	981	1217	1475	5.71
5.94	**106**	**630**	4.11	7.04	–	–	–	–	–	–	–	–	–	469	616	778	961	1168	1397	1651	5.94

Pitch diameters in italic type indicates drives where the use of CRE PLUS or Quattro PLUS belts are recommended.
The above drives are based on the ISO belt length designations, other belt lengths and pulley combinations are available - consult your local Authorised Distributor. All dimensions in millimetres.

Centre Distance SPB, XPB & QXPB, USPB Wedge Belt Drives

Combined Arc and Belt Length Correction Factor

					0.85		0.90		0.95		1.00			1.05			1.10		1.15		
Speed Ratio	Pitch Diameter of Pulleys		Power per SPB Belt (kW)		BELT LENGTH										SPB & QXPB & USPB ONLY		USPB & SPB ONLY				Speed Ratio
	Driver	Driven	1440 rev/min	960 rev/min	1250	1400	1800	2000	2240	2500	2800	3150	3550	4000	4500	5000	5600	6300	7100	8000	
1.00	***112***	***112***	*4.81*	*3.52*	*449*	*524*	*724*	*824*	–	–	–	–	–	–	–	–	–	–	–	–	*1.00*
1.00	***118***	***118***	*5.56*	*4.04*	*440*	*515*	*715*	*815*	–	–	–	–	–	–	–	–	–	–	–	–	*1.00*
1.00	**125**	**125**	6.43	4.64	429	504	704	804	–	–	–	–	–	–	–	–	–	–	–	–	1.00
1.00	***132***	***132***	*7.29*	*5.24*	*418*	*493*	*693*	*793*	–	–	–	–	–	–	–	–	–	–	–	–	*1.00*
1.00	**140**	**140**	6.88	5.00	405	480	680	780	900	1030	1180	1355	1555	1780	2030	2280	2580	2930	3330	3780	1.00
1.00	**150**	**150**	7.95	5.75	389	464	664	764	885	1014	1164	1339	1539	1764	2014	2264	2564	2914	3314	3764	1.00
1.00	**160**	**160**	9.00	6.50	374	449	649	749	869	999	1149	1324	1524	1749	1999	2249	2549	2889	3299	3749	1.00
1.00	**170**	**170**	10.05	7.24	358	433	633	733	853	983	1133	1308	1508	1733	1983	2233	2533	2883	3283	3733	1.00
1.00	**180**	**180**	11.08	7.98	342	417	617	717	837	967	1117	1292	1492	1717	1967	2217	2517	2867	3267	3717	1.00
1.00	**190**	**190**	12.10	8.71	327	402	602	702	822	952	1102	1277	1477	1702	1952	2202	2502	2852	3252	3702	1.00
1.00	**200**	**200**	13.11	9.43	311	386	586	686	806	936	1086	1261	1461	1686	1936	2186	2486	2836	3236	3686	1.00
1.00	**212**	**212**	14.30	10.29	292	367	567	667	787	917	1067	1242	1442	1667	1917	2167	2467	2817	3217	3667	1.00
1.00	**224**	**224**	15.47	11.15	273	348	548	648	768	898	1048	1223	1423	1648	1898	2148	2448	2798	3198	3648	1.00
1.00	**236**	**236**	16.63	11.99	–	329	529	629	749	879	1029	1204	1404	1629	1879	2129	2429	2779	3179	3629	1.00
1.00	**250**	**250**	17.96	12.97	–	307	507	607	728	857	1007	1182	1382	1607	1857	2107	2407	2757	3157	3607	1.00
1.00	**280**	**280**	20.70	15.03	–	–	460	560	680	810	960	1135	1335	1560	1810	2060	2360	2710	3110	3560	1.00
1.00	**315**	**315**	23.75	17.37	–	–	405	505	625	755	905	1080	1280	1505	1755	2005	2305	2655	3055	3505	1.00
1.05	**190**	**200**	12.20	8.78	319	394	594	694	814	944	1094	1269	1469	1694	1944	2194	2494	2844	3244	3694	1.05
1.05	***112***	***118***	*4.91*	*3.59*	*444*	*519*	*719*	*819*	–	–	–	–	–	–	–	–	–	–	–	–	*1.05*
1.05	**224**	**236**	15.57	11.22	264	339	539	639	759	889	1039	1214	1414	1639	1889	2139	2439	2789	3189	3639	1.05
1.06	**180**	**190**	11.36	8.16	334	409	609	709	829	959	1109	1284	1484	1709	1959	2209	2509	2859	3259	3709	1.06
1.06	***125***	***132***	*6.71*	*4.83*	*423*	*498*	*698*	*798*	–	–	–	–	–	–	–	–	–	–	–	–	*1.06*
1.06	**212**	**224**	14.58	10.48	283	358	558	658	778	908	1058	1233	1433	1658	1908	2158	2458	2808	3208	3658	1.06
1.06	**170**	**180**	10.33	7.43	350	425	625	725	845	975	1125	1300	1500	1725	1975	2225	2525	2875	3275	3725	1.06
1.06	**118**	**125**	5.84	4.23	434	509	709	809	–	–	–	–	–	–	–	–	–	–	–	–	1.06
1.06	**236**	**250**	16.91	12.18	–	318	518	618	738	868	1018	1193	1393	1618	1868	2118	2418	2768	3168	3618	1.06
1.06	**200**	**212**	13.39	9.62	301	376	576	676	797	926	1076	1251	1451	1676	1926	2176	2476	2826	3226	3676	1.06
1.06	***132***	***140***	*7.57*	*5.43*	*411*	*486*	*686*	*786*	–	–	–	–	–	–	–	–	–	–	–	–	*1.06*
1.06	**160**	**170**	9.28	6.69	366	441	641	741	861	991	1141	1316	1516	1741	1991	2241	2541	2891	3291	3741	1.06
1.07	**150**	**160**	8.23	5.94	381	456	657	757	877	1007	1157	1332	1532	1757	2007	2257	2557	2907	3307	3757	1.07
1.07	**140**	**150**	7.16	5.19	397	472	672	772	892	1022	1172	1347	1547	1772	2022	2272	2572	2922	3322	3772	1.07
1.11	**180**	**200**	11.36	8.17	326	401	601	701	822	951	1102	1277	1477	1702	1952	2202	2502	2852	3252	3702	1.11
1.11	**212**	**236**	14.58	10.48	273	348	548	648	768	898	1048	1223	1423	1648	1898	2148	2448	2798	3198	3648	1.11
1.12	**190**	**212**	12.59	9.03	309	384	584	684	804	934	1084	1259	1459	1684	1934	2184	2484	2834	3234	3684	1.12
1.12	***112***	***125***	*5.30*	*3.85*	*439*	*514*	*714*	*814*	–	–	–	–	–	–	–	–	–	–	–	–	*1.12*
1.12	**224**	**250**	15.97	11.47	–	327	528	628	748	878	1028	1203	1403	1628	1878	2128	2428	2778	3178	3628	1.12
1.12	**170**	**190**	10.54	7.57	342	417	617	717	837	967	1117	1292	1492	1717	1967	2217	2517	2867	3267	3717	1.12
1.12	***118***	***132***	*6.05*	*4.37*	*429*	*504*	*704*	*804*	–	–	–	–	–	–	–	–	–	–	–	–	*1.12*
1.12	**125**	**140**	6.92	4.97	417	492	692	792	–	–	–	–	–	–	–	–	–	–	–	–	1.12
1.12	**200**	**224**	13.60	9.76	292	367	567	667	787	917	1067	1242	1442	1667	1917	2167	2467	2817	3217	3667	1.12
1.12	**250**	**280**	18.45	13.30	–	–	484	584	704	834	984	1159	1359	1584	1834	2084	2384	2734	3134	3584	1.12
1.13	**160**	**180**	9.49	6.83	358	433	633	733	853	983	1133	1308	1508	1733	1983	2233	2533	2883	3283	3733	1.13
1.13	**280**	**315**	21.20	15.36	–	–	432	532	653	782	933	1108	1308	1533	1783	2033	2333	2683	3083	3533	1.13
1.13	**315**	**355**	24.24	17.70	–	–	373	473	594	724	874	1049	1249	1474	1724	1974	2274	2624	3024	3474	1.13
1.13	**150**	**170**	8.44	6.08	374	449	649	749	869	999	1149	1324	1524	1749	1999	2249	2549	2899	3299	3749	1.13
1.14	***132***	***150***	*7.78*	*5.57*	*403*	*478*	*678*	*778*	–	–	–	–	–	–	–	–	–	–	–	–	*1.14*
1.14	**140**	**160**	7.37	5.33	389	464	664	764	884	1014	1164	1339	1539	1764	2014	2264	2564	2914	3314	3764	1.14
1.18	**170**	**200**	10.54	7.57	334	409	609	709	829	1959	1109	1284	1484	1709	1959	2209	2509	2859	3259	3709	1.18
1.18	**180**	**212**	11.57	8.30	317	392	592	692	812	1942	1092	1267	1467	1692	1942	2192	2492	2842	3242	3692	1.18
1.18	***112***	***132***	*5.30*	*3.85*	*433*	*508*	*708*	*808*	–	–	–	–	–	–	–	–	–	–	–	–	*1.18*
1.18	**190**	**224**	12.59	9.03	299	374	575	675	795	925	1075	1250	1450	1675	1925	2175	2475	2825	3225	3675	1.18
1.18	**212**	**250**	14.79	10.62	261	337	537	637	759	887	1037	1212	1412	1637	1887	2137	2437	2787	3187	3637	1.18
1.18	**200**	**236**	13.78	9.88	282	357	557	657	778	907	1057	1232	1432	1657	1907	2157	2457	2808	3208	3658	1.18
1.19	***118***	***140***	*6.23*	*4.49*	*422*	*497*	*697*	*797*	–	–	–	–	–	–	–	–	–	–	–	–	*1.19*
1.19	**236**	**280**	17.30	12.44	–	294	494	594	715	844	994	1170	1370	1595	1845	2095	2395	2745	3145	3595	1.19
1.19	**160**	**190**	9.67	6.95	350	425	625	725	845	975	1125	1300	1500	1725	1975	2225	2525	2875	3275	3725	1.19
1.20	***125***	***150***	*7.09*	*5.09*	*409*	*484*	*684*	*784*	–	–	–	–	–	–	–	–	–	–	–	–	*1.20*
1.20	**150**	**180**	8.61	6.20	366	441	641	741	861	991	1141	1316	1516	1741	1991	2241	2541	2891	3291	3741	1.20
1.21	***132***	***160***	*7.96*	*5.69*	*395*	*470*	*671*	*771*	–	–	–	–	–	–	–	–	–	–	–	–	*1.21*
1.21	**140**	**170**	7.55	5.45	381	456	656	756	877	1006	1156	1331	1531	1756	2006	2256	2556	2906	3306	3756	1.21
1.24	**190**	**236**	12.77	9.15	290	365	565	665	785	915	1065	1240	1440	1665	1915	2165	2465	2815	3215	3665	1.24
1.24	**180**	**224**	11.75	8.42	307	382	582	682	803	932	1082	1258	1458	1683	1933	2183	2483	2833	3233	3683	1.24
1.25	**170**	**212**	10.72	7.69	324	399	600	700	820	950	1100	1275	1475	1700	1950	2200	2500	2850	3250	3700	1.25
1.25	***112***	***140***	*5.48*	*3.97*	*427*	*502*	*702*	*802*	–	–	–	–	–	–	–	–	–	–	–	–	*1.25*
1.25	**160**	**200**	9.67	6.95	342	417	617	717	837	967	1117	1292	1492	1717	1967	2217	2517	2867	3267	3717	1.25
1.25	**200**	**250**	13.78	9.88	270	346	546	646	766	896	1046	1221	1421	1646	1896	2146	2446	2796	3196	3646	1.25
1.25	**224**	**280**	16.14	11.59	–	303	503	604	724	854	1004	1179	1379	1604	1854	2104	2404	2754	3154	3604	1.25
1.26	**250**	**315**	18.62	13.41	–	–	455	555	676	806	956	1131	1331	1556	1806	2056	2356	2706	3106	3556	1.26
1.27	**150**	**190**	8.76	6.29	357	433	633	733	853	983	1133	1308	1508	1733	1983	2233	2533	2883	3283	3733	1.27
1.27	**280**	**355**	21.51	15.57	–	–	400	500	620	750	900	1076	1276	1501	1751	2001	2301	2651	3051	3501	1.27
1.27	**315**	**400**	24.56	17.91	–	–	–	436	557	687	837	1013	1213	1438	1688	1938	2238	2588	2988	3438	1.27
1.27	***118***	***150***	*6.37*	*4.58*	*414*	*489*	*689*	*789*	–	–	–	–	–	–	–	–	–	–	–	–	*1.27*
1.28	***125***	***160***	*7.24*	*5.18*	*401*	*476*	*676*	*776*	–	–	–	–	–	–	–	–	–	–	–	–	*1.28*
1.29	**140**	**180**	7.69	5.54	373	448	648	748	869	998	1148	1324	1524	1749	1999	2249	2549	2899	3299	3749	1.29
1.29	***132***	***170***	*8.10*	*5.78*	*387*	*462*	*663*	*763*	–	–	–	–	–	–	–	–	–	–	–	–	*1.29*

Pitch diameters in italic type indicates drives where the use of CRE PLUS or Quattro PLUS belts are recommended.
The above drives are based on the ISO belt length designations, other belt lengths and pulley combinations are available - consult your local Authorised Distributor. All dimensions in millimetres.

Centre Distance SPB, XPB & QXPB, USPB Wedge Belt Drives

Combined Arc and Belt Length Correction Factor

0.80	0.85	0.90	0.95	1.00	1.05	1.10	1.15

Speed Ratio	Pitch Dimater of Pulleys		Power per SPB Belt (kW)		BELT LENGTH									SPB & QXPB & USPB ONLY		USPB & SPB ONLY					Speed Ratio
	Driver	Driven	1440 rev/min	960 rev/min	1250	1400	1800	2000	2240	2500	2800	3150	3550	4000	4500	5000	5600	6300	7100	8000	
1.31	180	236	11.89	8.52	297	372	573	673	797	923	1073	1248	1448	1673	1923	2173	2473	2823	3223	3673	1.31
1.32	190	250	12.91	9.25	278	353	554	654	774	904	1054	1229	1429	1654	1904	2154	2454	2804	3204	3654	1.32
1.32	170	224	10.86	7.78	314	390	590	690	810	940	1090	1265	1465	1690	1940	2190	2490	2840	3240	3690	1.32
1.32	212	280	15.11	10.83	–	312	512	613	733	863	1013	1188	1388	1613	1863	2113	2413	2763	3163	3613	1.32
1.32	160	212	9.81	7.04	332	407	607	707	828	957	1108	1283	1483	1708	1958	2208	2508	2858	3258	3708	1.32
1.33	150	200	8.76	6.29	349	424	625	725	844	975	1125	1300	1500	1725	1975	2225	2525	2875	3275	3725	1.33
1.33	236	315	17.44	12.53	–	–	466	566	686	816	966	1142	1342	1567	1817	2067	2367	2717	3117	3567	1.33
1.34	***112***	***150***	*5.62*	*4.06*	*419*	*494*	*694*	*794*	–	–	–	–	–	–	–	–	–	–	–	–	*1.34*
1.36	118	160	6.37	4.58	406	481	681	781	–	–	–	–	–	–	–	–	–	–	–	–	1.36
1.36	140	190	7.69	5.54	365	440	640	740	861	991	1141	1316	1516	1741	1991	2241	2541	2891	3291	3741	1.36
1.36	***125***	***170***	*7.24*	*5.18*	*393*	*468*	*668*	*768*	–	–	–	–	–	–	–	–	–	–	–	–	*1.36*
1.36	***132***	***180***	*8.10*	*5.78*	*379*	*454*	*655*	*755*	–	–	–	–	–	–	–	–	–	–	–	–	*1.36*
1.39	170	236	11.00	7.87	304	380	580	680	801	931	1081	1256	1456	1681	1931	2181	2481	2831	3231	3681	1.39
1.39	180	250	12.03	8.61	285	361	561	661	782	912	1062	1237	1437	1662	1912	2162	2462	2812	3212	3662	1.39
1.40	160	224	9.95	7.13	322	397	598	698	818	948	1098	1273	1473	1698	1948	2198	2498	2848	3248	3698	1.40
1.40	200	280	14.06	10.06	–	321	521	622	742	872	1022	1197	1397	1623	1873	2123	2423	2773	3173	3623	1.40
1.41	224	315	16.42	11.78	–	–	474	575	695	825	976	1151	1351	1576	1826	2076	2376	2726	3126	3576	1.41
1.41	150	212	8.90	6.39	339	415	615	715	835	965	1115	1290	1490	1715	1965	2215	2515	2866	3266	3716	1.41
1.42	250	355	18.90	13.60	–	–	422	522	643	773	923	1099	1299	1524	1774	2024	2324	2674	3074	3524	1.42
1.43	***112***	***160***	*5.76*	*4.15*	*411*	*486*	*686*	*786*	–	–	–	–	–	–	–	–	–	–	–	–	*1.43*
1.43	140	200	7.83	5.63	357	432	632	732	853	983	1133	1308	1508	1733	1983	2233	2533	2883	3283	3733	1.43
1.43	280	400	21.65	15.67	–	–	361	462	583	713	864	1039	1239	1465	1715	1965	2265	2615	3015	3465	1.43
1.44	***132***	***190***	*8.24*	*5.88*	*371*	*446*	*646*	*747*	–	–	–	–	–	–	–	–	–	–	–	–	*1.44*
1.44	125	180	7.38	5.28	384	460	660	760	–	–	–	–	–	–	–	–	–	–	–	–	1.44
1.44	118	170	*6.51*	*4.67*	*398*	*473*	*673*	*773*	–	–	–	–	–	–	–	–	–	–	–	–	*1.44*
1.47	170	250	11.00	7.87	292	368	569	669	789	919	1069	1244	1445	1670	1920	2170	2470	2820	3220	3670	1.47
1.47	190	280	13.05	9.34	–	328	529	629	750	880	1030	1205	1405	1630	1880	2130	2430	2780	3181	3631	1.47
1.47	160	236	9.95	7.13	312	387	588	688	808	938	1088	1263	1463	1689	1939	2189	2489	2839	3229	3689	1.47
1.49	212	315	15.25	10.93	–	–	483	584	704	835	985	1160	1360	1585	1835	2085	2386	2736	3136	3586	1.49
1.49	150	224	8.90	6.39	329	405	605	705	826	956	1106	1281	1481	1706	1956	2206	2506	2856	3256	3706	1.49
1.50	236	355	17.58	12.63	–	–	432	533	653	784	934	1109	1309	1535	1785	2035	2335	2685	3085	3535	1.50
1.51	140	212	7.83	5.63	347	422	622	723	843	973	1123	1298	1498	1723	1973	2223	2523	2873	3273	3723	1.51
1.52	***132***	***200***	***8.24***	***5.88***	***363***	***438***	***638***	***738***	–	–	–	–	–	–	–	–	–	–	–	–	***1.52***
1.52	***112***	***170***	***5.76***	***4.15***	***402***	***478***	***678***	***778***	–	–	–	–	–	–	–	–	–	–	–	–	***1.52***
1.52	***125***	***190***	***7.38***	***5.28***	***376***	***451***	***651***	***752***	–	–	–	–	–	–	–	–	–	–	–	–	***1.52***
1.53	118	180	6.51	4.67	390	465	665	765	–	–	–	–	–	–	–	–	–	–	–	–	1.53
1.56	180	280	12.03	8.61	259	335	536	637	757	887	1038	1213	1413	1638	1888	2138	2438	2788	3188	3638	1.56
1.56	160	250	9.95	7.13	300	375	576	676	797	927	1077	1252	1452	1677	1927	2178	2478	2828	3228	3678	1.56
1.57	150	236	8.89	6.37	319	394	595	696	816	946	1096	1271	1471	1696	1946	2196	2496	2847	3247	3697	1.57
1.57	200	315	14.05	10.05	–	290	492	593	713	844	994	1169	1369	1594	1845	2095	2395	2745	3145	3595	1.57
1.58	224	355	16.54	11.86	–	–	440	541	662	793	943	1118	1319	1544	1794	2044	2344	2694	3095	3545	1.58
1.59	315	500	24.81	18.09	–	–	–	–	471	603	754	930	1131	1357	1607	1858	2158	2508	2908	3359	1.59
1.60	***125***	***200***	*7.49*	*5.35*	*368*	*443*	*644*	*744*	–	–	–	–	–	–	–	–	–	–	–	–	*1.60*
1.60	140	224	7.95	5.71	336	412	613	713	833	963	1113	1288	1489	1714	1964	2214	2514	2864	3264	3714	1.60
1.60	250	400	19.02	13.68	–	–	382	484	605	736	886	1062	1262	1488	1738	1988	2288	2368	3039	3489	1.60
1.61	***132***	***212***	*8.36*	*5.95*	*353*	*428*	*629*	*729*	–	–	–	–	–	–	–	–	–	–	–	–	*1.61*
1.61	***112***	***180***	*5.88*	*4.23*	*394*	*469*	*670*	*770*	–	–	–	–	–	–	–	–	–	–	–	–	*1.61*
1.61	***118***	***190***	*6.63*	*4.75*	*381*	*457*	*657*	*757*	–	–	–	–	–	–	–	–	–	–	–	–	*1.61*
1.65	170	280	11.11	7.95	266	342	544	644	765	895	1045	1220	1421	1646	1896	2146	2446	2796	3196	3646	1.65
1.66	190	315	13.17	9.42	–	297	499	600	721	851	1001	1177	1377	1602	1852	2102	2403	2753	3153	3603	1.66
1.67	150	250	9.01	6.46	307	383	584	684	804	935	1085	1260	1460	1685	1935	2185	2485	2835	3235	3686	1.67
1.67	212	355	15.37	11.00	–	–	449	550	671	801	952	1127	1328	1553	1803	2053	2354	2704	3104	3554	1.67
1.69	140	236	7.95	5.71	326	402	603	703	823	953	1104	1279	1479	1704	1954	2204	2504	2854	3254	3704	1.69
1.69	*118*	*200*	***6.63***	***4.75***	***373***	***448***	***649***	***749***	–	–	–	–	–	–	–	–	–	–	–	–	***1.69***
1.69	236	400	17.70	12.71	–	–	392	494	615	746	897	1072	1273	1498	1749	1999	2299	2649	3049	3500	1.69
1.70	***125***	***212***	*7.49*	*5.35*	*358*	*433*	*634*	*734*	–	–	–	–	–	–	–	–	–	–	–	–	*1.70*
1.70	***112***	***190***	*5.88*	*4.23*	*386*	*461*	*662*	*762*	–	–	–	–	–	–	–	–	–	–	–	–	*1.70*
1.70	***132***	***224***	*8.36*	*5.95*	*342*	*418*	*619*	*719*	–	–	–	–	–	–	–	–	–	–	–	–	*1.70*
1.75	160	280	10.07	7.21	273	349	551	652	772	902	1053	1228	1428	1653	1903	2154	2454	2804	3204	3654	1.75
1.75	180	315	12.15	8.69	–	304	507	607	728	859	1009	1184	1385	1610	1860	2110	2410	2760	3161	3611	1.75
1.77	200	355	14.17	10.14	–	–	458	559	680	810	961	1136	1337	1562	1812	2063	2363	2713	3113	3563	1.77
1.79	***112***	***200***	*5.88*	*4.23*	*377*	*453*	*653*	*754*	–	–	–	–	–	–	–	–	–	–	–	–	*1.79*
1.79	140	250	7.95	5.71	314	390	591	692	812	942	1092	1268	1468	1693	1943	2193	2493	2843	3243	3693	1.79
1.79	224	400	16.54	11.86	–	–	400	502	624	755	906	1081	1282	1507	1758	2008	2308	2658	3059	3509	1.79
1.79	280	500	21.77	15.74	–	–	–	–	495	628	780	956	1157	1383	1634	1884	2185	2535	2935	3386	1.79
1.79	***132***	***236***	*8.36*	*5.95*	*332*	*408*	*609*	*709*	–	–	–	–	–	–	–	–	–	–	–	–	*1.79*
1.79	***125***	***224***	*7.49*	*5.35*	*347*	*423*	*624*	*724*	–	–	–	–	–	–	–	–	–	–	–	–	*1.79*
1.80	***118***	***212***	*6.63*	*4.75*	*363*	*438*	*639*	*739*	–	–	–	–	–	–	–	–	–	–	–	–	*1.80*
1.85	170	315	11.11	7.95	–	311	514	615	735	866	1016	1192	1392	1617	1868	2118	2418	2768	3168	3618	1.85
1.87	150	280	9.01	6.46	280	356	558	659	780	910	1060	1236	1436	1661	1911	2161	2461	2812	3212	3662	1.87
1.87	190	355	13.17	9.42	–	–	465	566	687	818	968	1144	1344	1570	1820	2070	2371	2721	3121	3571	1.87
1.89	212	400	15.37	11.00	–	–	409	511	633	764	915	1090	1291	1516	1767	2017	2317	2668	3068	3518	1.89
1.89	125	236	7.49	5.35	337	413	614	714	–	–	–	–	–	–	–	–	–	–	–	–	1.89
1.89	***112***	***212***	*5.88*	*4.23*	*367*	*443*	*644*	*744*	–	–	–	–	–	–	–	–	–	–	–	–	*1.89*
1.89	***132***	***250***	*8.36*	*5.95*	*320*	*396*	*597*	*697*	–	–	–	–	–	–	–	–	–	–	–	–	*1.89*

Pitch diameters in italic type indicates drives where the use of CRE PLUS or Quattro PLUS belts are recommended.
The above drives are based on the ISO belt length designations, other belt lengths and pulley combinations are available - consult your local Authorised Distributor. All dimensions in millimetres.

Centre Distance SPB, XPB & QXPB, USPB Wedge Belt Drives

Combined Arc and Belt Length Correction Factor

0.80	0.85	0.90	0.95	1.00	1.05	1.10	1.15

Speed Ratio	Pitch Diameter of Pulleys		Power per SPB Belt (kW)		BELT LENGTH								SPB & QXPB & USPB ONLY		USPB & SPB ONLY					Speed Ratio
	Driver	Driven	1440 rev/min	960 rev/min	1250	1400	1800	2000	2240	2500	2800	3150	3550	4000	4500	5000	5600	6300	7100	8000	
1.90	***118***	***224***	*6.63*	*4.75*	*352*	*428*	*629*	*729*	–	–	–	–	–	–	–	–	–	–	–	–	*1.90*
1.97	**160**	**315**	10.17	7.28	–	317	521	622	743	873	1024	1199	1400	1625	1875	2126	2426	2776	3176	3626	1.97
1.97	**180**	**355**	12.24	8.75	–	–	472	573	695	825	976	1151	1352	1577	1828	2078	2378	2728	3129	3579	1.97
2.00	***112***	***224***	*5.97*	*4.30*	*357*	*432*	*634*	*734*	–	–	–	–	–	–	–	–	–	–	–	–	*2.00*
2.00	***118***	***236***	*6.72*	*4.81*	*342*	*418*	*619*	*720*	–	–	–	–	–	–	–	–	–	–	–	–	*2.00*
2.00	**125**	**250**	7.59	5.42	324	401	602	703	–	–	–	–	–	–	–	–	–	–	–	–	2.00
2.00	**140**	**280**	8.04	5.78	287	363	566	666	787	917	1068	1243	1443	1669	1919	2169	2469	2819	3219	3669	2.00
2.00	**200**	**400**	14.27	10.21	–	–	417	519	641	772	923	1099	1300	1525	1776	2026	2327	2677	3077	3527	2.00
2.00	**250**	**500**	19.12	13.75	–	–	–	–	516	649	801	978	1179	1405	1656	1907	2207	2558	2958	3409	2.00
2.00	**315**	**630**	24.91	18.15	–	–	–	–	–	–	638	818	1021	1248	1500	1751	2052	2403	2803	3254	2.00
2.09	**170**	**355**	11.21	8.02	–	–	479	580	702	833	983	1159	1360	1585	1835	2086	2386	2736	3136	3586	2.09
2.10	**150**	**315**	9.11	6.53	–	324	528	629	750	881	1031	1207	1407	1633	1883	2133	2433	2784	3184	3634	2.10
2.11	**190**	**400**	13.26	9.48	–	–	424	526	648	780	931	1107	1307	1533	1784	2034	2334	2685	3085	3535	2.11
2.11	***112***	***236***	*5.97*	*4.30*	*346*	*422*	*624*	*724*	–	–	–	–	–	–	–	–	–	–	–	–	*2.11*
2.12	***118***	***250***	*6.72*	*4.81*	*429*	*406*	*607*	*708*	–	–	–	–	–	–	–	–	–	–	–	–	*2.12*
2.12	**236**	**500**	17.79	12.77	–	–	–	400	526	659	811	988	1190	1416	1667	1917	2218	2569	2969	3419	2.12
2.12	**132**	**280**	8.45	6.02	292	369	572	672	–	–	–	–	–	–	–	–	–	–	–	–	2.12
2.22	**160**	**355**	10.17	7.28	–	278	486	587	709	840	991	1166	1367	1593	1843	2093	2394	2744	3144	3594	2.22
2.22	**180**	**400**	12.24	8.75	–	–	430	533	655	787	938	1114	1315	1541	1791	2042	2342	2692	3093	3543	2.22
2.23	***112***	***250***	*5.97*	*4.30*	*334*	*410*	*612*	*712*	–	–	–	–	–	–	–	–	–	–	–	–	*2.23*
2.23	**224**	**500**	16.64	11.92	–	–	–	408	534	667	820	997	1198	1425	1676	1926	2227	2578	2978	3429	2.23
2.24	***125***	***280***	*7.59*	*5.42*	*297*	*374*	*577*	*677*	–	–	–	–	–	–	–	–	–	–	–	–	*2.24*
2.25	**140**	**315**	8.04	5.78	252	331	535	637	758	888	1039	1214	1415	1640	1891	2141	2441	2791	3191	3642	2.25
2.25	**280**	**630**	21.87	15.81	–	–	–	–	364	505	662	842	1046	1273	1525	1777	2078	2429	2830	3281	2.25
2.35	**170**	**400**	11.21	8.02	–	–	437	540	663	794	945	1121	1322	1548	1799	2049	2350	2700	3100	3550	2.35
2.36	**212**	**500**	15.46	11.07	–	–	–	416	542	675	828	1005	1207	1434	1685	1935	2236	2587	2987	3438	2.36
2.37	**150**	**355**	9.11	6.53	–	285	493	595	733	847	998	1174	1375	1600	1851	2101	2401	2751	3152	3602	2.37
2.37	***118***	***280***	*6.72*	*4.81*	*302*	*379*	*582*	*683*	–	–	–	–	–	–	–	–	–	–	–	–	*2.37*
2.39	***132***	***315***	*8.45*	*6.02*	*258*	*336*	*541*	*642*	–	–	–	–	–	–	–	–	–	–	–	–	*2.39*
2.50	***112***	***280***	*5.97*	*4.30*	*306*	*383*	*586*	*687*	–	–	–	–	–	–	–	–	–	–	–	–	*2.50*
2.50	**160**	**400**	10.17	7.28	–	–	444	547	670	801	953	1129	1330	1556	1806	2057	2357	2708	3108	3558	2.50
2.50	**200**	**500**	14.27	10.21	–	–	–	424	550	684	837	1014	1216	1442	1694	1944	2245	2596	2996	3447	2.50
2.52	***125***	***315***	*7.59*	*5.42*	*262*	*341*	*546*	*647*	–	–	–	–	–	–	–	–	–	–	–	–	*2.52*
2.52	**250**	**630**	19.12	13.75	–	–	–	–	382	524	682	863	1067	1295	1547	1799	2100	2451	2853	3303	2.52
2.54	**140**	**355**	8.04	5.78	–	291	500	602	723	854	1005	1181	1382	1608	1858	2108	2409	2759	3159	3610	2.54
2.54	**315**	**800**	24.81	18.15	–	–	–	–	–	–	–	654	865	1097	1353	1606	1909	2261	2663	3115	2.54
2.63	**190**	**500**	13.26	9.48	–	–	–	430	557	691	844	1021	1223	1450	1701	1952	2253	2603	3004	3455	2.63
2.67	**150**	**400**	9.11	6.53	–	–	451	554	677	808	960	1136	1337	1563	1814	2064	2365	2715	3116	3566	2.67
2.67	***118***	***315***	*6.72*	*4.81*	*267*	*346*	*551*	*652*	–	–	–	–	–	–	–	–	–	–	–	–	*2.67*
2.67	**236**	**630**	17.79	12.77	–	–	–	–	390	533	692	873	1077	1305	1557	1809	2111	2462	2863	3314	2.67
2.69	**132**	**355**	8.45	6.02	–	297	505	607	–	–	–	–	–	–	–	–	–	–	–	–	2.69
2.78	**180**	**500**	12.24	8.75	–	–	–	437	563	698	851	1028	1231	1457	1708	1959	2260	2611	3012	3462	2.78
2.81	***112***	***315***	*5.97*	*4.30*	*271*	*350*	*555*	*657*	–	–	–	–	–	–	–	–	–	–	–	–	*2.81*
2.81	**224**	**630**	16.64	11.92	–	–	–	–	398	541	700	881	1085	1314	1566	1818	2120	2471	2872	3323	2.81
2.84	***125***	***355***	*7.59*	*5.42*	–	*301*	*510*	*612*	–	–	–	–	–	–	–	–	–	–	–	–	*2.84*
2.86	**140**	**400**	8.04	5.78	–	–	457	561	684	816	967	1143	1345	1571	1821	2072	2372	2723	3123	3574	2.86
2.86	**280**	**800**	21.87	15.81	–	–	–	–	–	–	–	677	889	1122	1377	1631	1934	2287	2689	3141	2.86
2.94	**170**	**500**	11.21	8.02	–	–	–	443	570	704	858	1036	1238	1464	1716	1967	2268	2619	3019	3470	2.94
2.97	**212**	**630**	15.46	11.07	–	–	–	–	405	549	708	889	1094	1322	1575	1827	2128	2480	2881	3332	2.97
3.01	***118***	***355***	*6.72*	*4.81*	–	*306*	*515*	*617*	–	–	–	–	–	–	–	–	–	–	–	–	*3.01*
3.03	***132***	***400***	*8.45*	*6.02*	–	–	*463*	*566*	–	–	–	–	–	–	–	–	–	–	–	–	*3.03*
3.13	**160**	**500**	10.17	7.28	–	–	–	449	577	711	865	1043	1245	1472	1723	1974	2275	2626	3027	3477	3.13
3.15	**200**	**630**	14.27	10.21	–	–	–	–	412	557	716	897	1102	1331	1584	1836	2137	2489	2890	3341	3.15
3.17	***112***	***355***	*5.97*	*4.30*	–	*309*	*519*	*621*	–	–	–	–	–	–	–	–	–	–	–	–	*3.17*
3.17	**315**	**1000**	24.91	18.15	–	–	–	–	–	–	–	–	–	902	1167	1426	1733	2089	2494	2947	3.17
3.20	***125***	***400***	*7.59*	*5.42*	–	–	*467*	*571*	–	–	–	–	–	–	–	–	–	–	–	–	*3.20*
3.20	**250**	**800**	19.12	13.75	–	–	–	–	–	–	–	696	909	1142	1398	1652	1956	2309	2711	3163	3.20
3.32	**190**	**630**	13.26	9.48	–	–	–	–	418	563	722	904	1109	1338	1591	1843	2145	2496	2898	3349	3.32
3.33	**150**	**500**	9.11	6.53	–	–	345	456	584	718	872	1050	1252	1479	1731	1982	2283	2634	3034	3485	3.33
3.39	***118***	***400***	*6.79*	*4.86*	–	–	*472*	*576*	–	–	–	–	–	–	–	–	–	–	–	–	*3.39*
3.39	**236**	**800**	17.86	12.82	–	–	–	–	–	–	–	705	918	1152	1408	1662	1966	2319	2722	3174	3.39
3.50	**180**	**630**	12.31	8.80	–	–	–	–	425	569	729	911	1116	1345	1598	1850	2152	2504	2905	3356	3.50
3.57	***112***	***400***	*6.04*	*4.34*	–	–	*476*	*580*	–	–	–	–	–	–	–	–	–	–	–	–	*3.57*
3.57	**140**	**500**	8.11	5.82	–	–	351	462	590	725	879	1057	1259	1486	1738	1989	2290	2641	3042	3493	3.57
3.57	**224**	**800**	16.71	11.97	–	–	–	–	–	–	–	713	926	1160	1416	1671	1975	2328	2731	3183	3.57
3.57	**280**	**1000**	21.94	15.85	–	–	–	–	–	–	–	–	673	925	1190	1450	1758	2114	2519	2973	3.57
3.71	**170**	**630**	11.28	8.06	–	–	–	–	431	576	736	918	1123	1352	1605	1857	2159	2511	2913	3364	3.71
3.77	**212**	**800**	15.53	11.11	–	–	–	–	–	–	–	720	934	1168	1425	1679	1983	2337	2739	3192	3.77
3.79	***132***	***500***	*8.52*	*6.06*	–	–	*356*	*467*	–	–	–	–	–	–	–	–	–	–	–	–	*3.79*
3.94	**160**	**630**	10.23	7.32	–	–	–	–	437	582	742	925	1130	1359	1612	1865	2167	2519	2920	3371	3.94
4.00	***125***	***500***	*7.66*	*5.46*	–	–	*360*	*472*	–	–	–	–	–	–	–	–	–	–	–	–	*4.00*
4.00	**200**	**800**	14.34	10.25	–	–	–	–	–	–	530	728	942	1176	1433	1688	1992	2345	2748	3201	4.00
4.00	**250**	**1000**	19.19	13.79	–	–	–	–	–	–	–	–	692	944	1210	1470	1779	2135	2541	2995	4.00
4.20	**150**	**630**	9.18	6.57	–	–	–	–	443	588	749	931	1137	1366	1620	1872	2174	2526	2928	3379	4.20
4.21	**190**	**800**	13.33	9.53	–	–	–	–	–	–	536	734	948	1183	1440	1695	1999	2353	2756	3208	4.21

Pitch diameters in italic type indicates drives where the use of CRE PLUS or Quattro PLUS belts are recommended.
The above drives are based on the ISO belt length designations, other belt lengths and pulley combinations are available - consult your local Authorised Distributor. All dimensions in millimetres.

Centre Distance SPB, XPB & QXPB, USPB Wedge Belt Drives

Combined Arc and Belt Length Correction Factor

0.80	0.85	0.90	0.95	1.00	1.05	1.10

Speed Ratio	Pitch Diameter of Pulleys		Power per SPB Belt (kW)		BELT LENGTH									SPB & QXPB & USPB ONLY		SPB ONLY					Speed Ratio
	Driver	Driven	1440 rev/min	960 rev/min	1250	1400	1800	2000	2240	2500	2800	3150	3550	4000	4500	5000	5600	6300	7100	8000	
4.24	**236**	**1000**	17.86	12.82	–	–	–	–	–	–	–	–	700	953	1219	1480	1788	2145	2551	3005	4.24
4.44	**180**	**800**	12.31	8.80	–	–	–	–	–	–	542	740	955	1190	1447	1702	2006	2360	2763	3215	4.44
4.46	**224**	**1000**	16.71	11.97	–	–	–	–	–	–	–	–	707	960	1227	1488	1797	2154	2559	3014	4.46
4.50	**140**	**630**	8.11	5.82	–	–	–	–	449	595	756	938	1144	1373	1627	1879	2181	2533	2935	3386	4.50
4.71	**170**	**800**	11.28	8.06	–	–	–	–	–	–	548	747	962	1197	1454	1709	2014	2367	2770	3223	4.71
4.72	**212**	**1000**	15.53	11.11	–	–	–	–	–	–	–	–	714	968	1235	1496	1805	2162	2568	3022	4.72
5.00	**160**	**800**	10.23	7.32	–	–	–	–	–	–	554	753	968	1203	1461	1716	2021	2374	2778	3230	5.00
5.00	**200**	**1000**	14.34	10.25	–	–	–	–	–	–	–	–	722	976	1243	1504	1813	2171	2576	3031	5.00
5.26	**190**	**1000**	13.33	9.53	–	–	–	–	–	–	–	–	728	982	1250	1511	1820	2178	2584	3038	5.26
5.33	**150**	**800**	9.18	6.57	–	–	–	–	–	–	–	759	975	1210	1468	1723	2028	2382	2785	3238	5.33
5.56	**180**	**1000**	12.31	8.80	–	–	–	–	–	–	–	–	734	988	1256	1518	1827	2185	2591	3046	5.56
5.71	**140**	**800**	8.11	5.82	–	–	–	–	–	–	–	766	981	1217	1475	1730	2035	2389	2792	3245	5.71
5.88	**170**	**1000**	11.28	8.06	–	–	–	–	–	–	–	–	740	994	1263	1525	1834	2192	2598	3053	5.88

The above drives are based on the ISO belt length designations, other belt lengths and pulley combinations are available - consult your local Authorised Distributor.

Centre Distance SPC, XPC & QXPC, USPC Wedge Belt Drives

Combined Arc and Belt Length Correction Factor

Speed Ratio	Pitch Diameter of Pulleys		Power per SPC Belt (kW)		0.85		0.90			0.95		1.00		1.05			1.10				1.15	Speed Ratio
					BELT LENGTH									USPC & SPC ONLY								
	Driver	Driven	1440 rev/min	960 rev/min	2000	2240	2500	2800	3150	3550	4000	4500	5000	5600	6300	7100	8000	9000	10000	11200	12500	
1.00	**224**	**224**	16.59	12.68	648	768	898	1048	1223	1423	1648	1898	2148	2448	2798	3198	3648	4148	4648	5248	5898	1.00
1.00	**250**	**250**	21.50	16.30	608	728	858	1008	1183	1383	1608	1858	2108	2408	2758	3158	3608	4108	4608	5208	5858	1.00
1.00	**300**	**300**	30.43	23.05	529	649	779	929	1104	1304	1529	1779	2029	2329	2679	3079	3529	4029	4529	5129	5779	1.00
1.00	**335**	**335**	36.23	27.61	474	594	724	874	1049	1249	1474	1724	1974	2274	2624	3024	3474	3974	4474	5074	5724	1.00
1.00	**400**	**400**	45.91	35.71	–	492	622	772	947	1147	1372	1622	1872	2172	2522	2922	3377	3877	4372	4972	5622	1.00
1.00	**450**	**450**	52.32	41.58	–	–	544	694	869	1069	1294	1544	1794	2094	2444	2844	3294	3621	4121	4721	5544	1.00
1.00	**500**	**500**	57.73	47.12	–	–	–	615	790	990	1215	1465	1715	2015	2365	2765	3215	3715	4215	4815	5465	1.00
1.00	**560**	**560**	–	53.29	–	–	–	–	–	896	1121	1371	1621	1921	2271	2671	3121	3621	4121	4721	5371	1.00
1.05	**300**	**315**	30.74	23.26	517	637	767	917	1092	1292	1517	1767	2017	2317	2667	3067	3517	4017	4517	5117	5767	1.05
1.05	**224**	**236**	16.90	12.89	639	759	889	1039	1214	1414	1639	1889	2139	2439	2789	3189	3639	4139	4639	5239	5889	1.05
1.06	**355**	**375**	40.24	30.74	–	547	677	827	1002	1202	1427	1677	1927	2227	2577	2977	3427	3927	4427	5027	5677	1.06
1.06	**425**	**450**	50.14	39.27	–	–	563	713	888	1088	1313	1563	1813	2113	2463	2863	3313	3813	4313	4913	5563	1.06
1.06	**236**	**250**	19.75	14.94	618	738	868	1018	1193	1393	1618	1868	2118	2418	2768	3168	3618	4118	4618	5218	5868	1.06
1.06	**500**	**530**	58.60	47.70	–	–	–	591	766	966	1191	1441	1691	1991	2341	2741	3191	3691	4191	4791	5441	1.06
1.07	**375**	**400**	43.25	33.24	–	511	642	792	967	1167	1392	1642	1892	2192	2542	2942	3392	3892	4392	4992	5642	1.07
1.07	**280**	**300**	27.81	20.96	545	665	795	945	1120	1320	1545	1795	2045	2345	2695	3095	3545	4045	4545	5145	5795	1.07
1.11	**450**	**500**	53.19	42.16	–	–	–	654	829	1029	1254	1504	1754	2054	2404	2804	3254	3754	4254	4854	5504	1.11
1.12	**425**	**475**	50.78	39.70	–	–	543	693	868	1068	1293	1543	1793	2093	2443	2843	3293	3793	4293	4893	5543	1.12
1.12	**335**	**375**	37.74	28.62	442	562	692	842	1017	1217	1443	1693	1943	2243	2593	2993	3443	3943	4443	5043	5693	1.12
1.12	**250**	**280**	23.01	17.31	584	704	834	984	1159	1359	1584	1834	2084	2384	2734	3134	3584	4084	4584	5184	5834	1.12
1.12	**500**	**560**	60.11	48.13	–	–	–	–	742	942	1168	1418	1668	1968	2318	2718	3168	3668	4168	4768	5418	1.12
1.13	**560**	**630**	–	54.30	–	–	–	–	–	840	1065	1315	1565	1866	2216	2616	3066	3566	4066	4666	5316	1.13
1.13	**355**	**400**	40.88	31.17	–	527	657	807	982	1182	1407	1657	1907	2207	2557	2957	3407	3907	4407	5007	5657	1.13
1.13	**265**	**300**	25.76	19.36	556	676	806	956	1131	1331	1556	1806	2056	2356	2706	3106	3556	4056	4556	5156	5806	1.13
1.18	**475**	**560**	56.72	45.40	–	–	–	586	761	962	1187	1437	1687	1987	2337	2737	3187	3687	4187	4787	5437	1.18
1.18	**224**	**265**	18.10	13.69	616	736	866	1016	1191	1391	1616	1866	2116	2416	2766	3166	3616	4116	4616	5216	5866	1.18
1.18	**300**	**355**	31.94	24.09	485	605	735	885	1060	1261	1486	1736	1986	2286	2636	3036	3486	3986	4486	5086	5736	1.18
1.19	**400**	**475**	47.97	37.08	–	–	562	712	887	1087	1313	1563	1813	2113	2463	2863	3313	3813	4313	4913	5563	1.19
1.19	**265**	**315**	26.31	19.72	544	664	794	944	1119	1319	1544	1795	2045	2345	2695	3095	3545	4045	4545	5144	5795	1.19
1.19	**315**	**375**	35.02	26.39	457	578	708	858	1033	1233	1458	1708	1958	2258	2608	3008	3458	3958	4458	5058	5708	1.19
1.20	**355**	**425**	41.43	31.53	–	506	637	787	962	1162	1387	1637	1887	2187	2537	2937	3388	3888	4388	4988	5638	1.20
1.20	**250**	**300**	23.56	17.67	568	688	818	968	1143	1343	1568	1818	2068	2368	2718	3118	3568	4068	4568	5168	5818	1.20
1.24	**450**	**560**	54.38	42.95	–	–	–	605	780	981	1206	1456	1706	2006	2357	2757	3207	3707	4207	4807	5457	1.24
1.25	**224**	**280**	18.65	14.05	604	724	854	1004	1179	1379	1604	1854	2104	2404	2754	3154	3604	4104	4604	5204	5854	1.25
1.25	**300**	**375**	32.49	24.42	469	589	719	869	1044	1245	1470	1720	1970	2270	2620	3020	3470	3970	4470	5070	5720	1.25
1.25	**400**	**500**	47.97	37.08	–	–	541	692	867	1067	1293	1543	1793	2093	2443	2843	3293	3793	4293	4893	5543	1.25
1.26	**250**	**315**	23.56	17.67	566	676	806	956	1131	1331	1556	1806	2056	2356	2706	3106	3556	4056	4556	5156	5806	1.26
1.26	**500**	**630**	60.66	48.49	–	–	–	–	685	886	1111	1361	1612	1912	2262	2662	3112	3612	4112	4713	5363	1.26
1.27	**315**	**400**	35.46	26.69	437	557	687	838	1013	1213	1438	1688	1938	2238	2588	2988	3438	3938	4439	5039	5689	1.27
1.27	**236**	**300**	21.38	16.03	578	699	829	979	1154	1354	1579	1829	2079	2379	2729	3129	3579	4079	4579	5179	5829	1.27
1.32	**425**	**560**	51.77	40.36	–	–	–	623	799	999	1225	1475	1725	2026	2376	2776	3226	3726	4226	4826	5476	1.32
1.33	**300**	**400**	39.93	24.72	448	568	699	849	1024	1224	1450	1700	1950	2250	2600	3000	3450	3950	4450	5050	5700	1.33
1.33	**375**	**500**	44.88	34.33	–	–	560	710	896	1086	1312	1562	1812	2112	2462	2862	3313	3813	4313	4913	5563	1.33
1.33	**236**	**315**	21.38	16.03	566	686	817	967	1142	1342	1567	1817	2067	2367	2717	3117	3567	4067	4567	5167	5817	1.33
1.34	**355**	**475**	38.73	31.83	–	–	595	746	921	1122	1347	1597	1847	2148	2498	2898	3348	3848	4348	4948	5598	1.34
1.34	**250**	**335**	24.00	17.97	539	659	790	940	1115	1315	1540	1790	2040	2340	2690	3090	3541	4041	4541	5141	5791	1.34
1.35	**315**	**425**	35.46	26.69	–	536	667	817	993	1193	1418	1668	1918	2218	2569	2969	3419	3919	4419	5019	5669	1.35
1.40	**400**	**560**	48.84	37.66	–	–	–	641	817	1018	1244	1494	1745	2045	2395	2795	3245	3746	4246	4846	5496	1.40
1.40	**450**	**630**	55.16	43.53	–	–	–	–	722	923	1149	1399	1650	1950	2300	2701	3151	3651	4151	4751	5401	1.40
1.41	**224**	**315**	19.52	14.63	575	695	826	976	1151	1351	1576	1826	2076	2376	2727	3127	3577	4077	4577	5177	5827	1.41
1.41	**355**	**500**	42.30	32.11	–	–	574	725	901	1101	1327	1577	1827	2128	2478	2878	3328	3828	4328	4928	5578	1.41
1.42	**335**	**475**	39.16	29.56	–	479	610	761	937	1137	1362	1613	1863	2163	2513	2913	3363	3864	4364	4964	5614	1.42
1.42	**250**	**355**	24.43	18.25	522	643	773	924	1099	1299	1524	1744	2024	2324	2675	3075	3525	4025	4525	5125	5775	1.42
1.43	**315**	**450**	35.89	26.97	–	515	646	797	972	1173	1398	1648	1898	2198	2549	2949	3399	3899	4399	4999	5649	1.43
1.43	**560**	**800**	–	55.24	–	–	–	–	–	–	925	1176	1427	1728	2079	2479	2930	3430	3931	4531	5181	1.43
1.48	**425**	**630**	52.20	40.64	–	–	–	–	740	941	1167	1418	1669	1969	2320	2720	3170	3670	4171	4771	5421	1.48
1.49	**335**	**500**	39.16	29.56	–	–	589	740	916	1116	1342	1592	1843	2143	2493	2893	3344	3844	4344	4944	5594	1.49
1.49	**375**	**560**	45.31	34.61	–	–	–	660	836	1037	1263	1513	1764	2064	2414	2815	3265	3765	4265	4865	5515	1.49
1.50	**250**	**375**	24.43	18.25	506	626	757	907	1083	1283	1508	1758	2008	2309	2659	3059	3509	4009	4509	5109	5759	1.50
1.50	**300**	**450**	33.36	25.00	–	526	657	808	983	1184	1409	1660	1910	2210	2560	2960	3410	3911	4411	5011	5611	1.50
1.51	**315**	**475**	35.89	29.56	–	493	625	776	951	1152	1378	1628	1878	2178	2529	2929	3379	3879	4379	4979	5629	1.51
1.51	**530**	**800**	63.46	52.22	–	–	–	–	–	–	946	1198	1450	1751	2102	2502	2953	3453	3954	4554	5204	1.51
1.52	**280**	**425**	29.87	22.33	441	562	693	843	1019	1219	1445	1695	1945	2245	2596	2996	3446	3946	4446	5046	5696	1.52
1.58	**400**	**630**	49.21	37.91	–	–	–	580	758	960	1186	1437	1688	1988	2339	2739	3189	3690	4190	4790	5440	1.58
1.59	**315**	**500**	36.26	27.22	–	471	603	755	931	1131	1357	1608	1858	2158	2509	2909	3359	3859	4358	4959	5609	1.59
1.59	**236**	**375**	22.18	16.56	516	637	767	918	1093	1293	1519	1769	2019	2319	2669	3079	3520	4020	4520	5120	5770	1.59
1.60	**250**	**400**	24.80	18.50	484	605	736	887	1062	1263	1488	1738	1988	2289	2639	3039	3489	3989	4489	5089	5739	1.60
1.60	**500**	**800**	61.90	49.32	–	–	–	–	–	739	968	1220	1472	1773	2124	2525	2976	3476	3977	4577	5227	1.60
1.61	**280**	**450**	30.24	22.58	–	540	672	823	998	1199	1424	1675	1925	2225	2576	2976	3426	3926	4426	5026	5676	1.61
1.67	**335**	**560**	39.53	29.81	–	–	536	688	865	1066	1293	1543	1794	2094	2445	2845	3296	3796	4296	4896	5546	1.67
1.67	**224**	**375**	19.89	14.88	524	645	776	927	1102	1303	1528	1778	2028	2329	2679	3079	3529	4029	4529	5129	5779	1.67
1.68	**375**	**630**	45.68	34.86	–	–	–	597	776	978	1204	1455	1706	2007	2358	2758	3209	3709	4209	4809	5460	1.68

All dimensions in millimetres.
The above drives are based on the ISO belt length designations, other belt lengths and pulley combinations are available - consult your local Authorised Distributor.
Drive combinations are available using 200mm & 212mm pitch diameter pulleys and Quattro Plus belts - consult your local Authorised Distributor.

Centre Distance SPC, XPC & QXPC, USPC Wedge Belt Drives

Combined Arc and Belt Length Correction Factor

					0.80		0.85		0.90		0.95		1.00			1.05		1.10			1.15	
Speed Ratio	Pitch Diameter of Pulleys		Power per SPC Belt (kW)		BELT LENGTH									USPC & SPC ONLY								Speed Ratio
	Driver	Driven	1440 rev/min	960 rev/min	2000	2240	2500	2800	3150	3550	4000	4500	5000	5600	6300	7100	8000	9000	10000	11200	12500	
1.68	315	530	36.26	27.22	–	–	577	729	905	1106	1332	1583	1834	2134	2484	2885	3335	3835	4335	4936	5586	1.68
1.69	236	400	22.18	16.56	494	615	746	897	1073	1273	1498	1749	1999	2299	2649	3050	3500	4000	4500	5100	5750	1.69
1.70	280	475	30.24	22.58	–	518	650	801	977	1178	1404	1654	1905	2205	2555	2956	3406	3906	4406	5006	5656	1.70
1.70	250	425	24.80	18.50	462	584	715	866	1041	1242	1468	1718	1968	2268	2619	3019	3469	3969	4469	5069	5716	1.70
1.77	300	530	33.73	25.25	–	–	587	740	916	1118	1344	1594	1845	2145	2496	2896	3346	3847	4347	4947	5597	1.77
1.77	355	630	42.67	33.36	–	–	–	611	790	992	1219	1470	1721	2022	2373	2773	3224	3724	4225	4825	5475	1.77
1.78	315	560	36.26	27.22	–	–	549	702	880	1081	1307	1558	1809	2110	2460	2861	3311	3811	4311	4912	5562	1.78
1.78	450	800	55.62	43.78	–	–	–	–	–	774	1003	1257	1509	1810	2162	2563	3014	3514	4015	4615	5266	1.78
1.79	280	500	30.24	22.58	–	495	628	780	956	1157	1383	1634	1884	2185	2535	2936	3386	3886	4386	4986	5637	1.79
1.79	560	1000	–[1]	55.49	–	–	–	–	–	–	–	1001	1256	1560	1913	2315	2767	3268	3769	4370	5021	1.79
1.80	250	450	24.80	18.50	439	562	693	845	1021	1221	1447	1698	1948	2248	2599	2999	3449	3949	4449	5050	5700	1.80
1.80	236	426	22.18	16.56	472	594	725	876	1052	1253	1478	1729	1979	2279	2629	3030	3480	3980	4480	5080	5730	1.80
1.87	300	560	33.73	25.25	–	–	560	713	890	1092	1318	1570	1820	2121	2471	2872	3322	3823	4323	4923	5573	1.87
1.88	335	630	39.53	29.81	–	–	–	625	804	1007	1234	1485	1736	2037	2388	2789	3239	3740	4240	4840	5490	1.88
1.88	425	800	52.57	40.89	–	–	–	–	–	791	1021	1275	1527	1829	2180	2582	3033	3533	4034	4035	5285	1.88
1.89	280	530	30.24	22.58	–	467	601	754	931	1132	1358	1609	1860	2161	2511	2911	3362	3862	4362	4963	5613	1.89
1.90	250	475	24.80	8.50	–	539	671	823	1000	1201	1426	1677	1928	2228	2578	2979	3429	3929	4429	5030	5680	1.90
1.91	236	450	22.18	16.56	449	571	703	855	1031	1232	1458	1708	1959	2259	2609	3010	3460	3960	4460	5060	5710	1.91
2.00	265	530	27.75	20.75	–	478	612	764	942	1143	1370	1621	1891	2172	2523	2923	3373	3874	4374	4974	5624	2.00
2.00	315	630	36.49	27.42	–	–	–	639	818	1021	1248	1500	1751	2052	2403	2804	3254	3755	4255	4856	5506	2.00
2.00	500	1000	62.10	49.52	–	–	–	–	–	–	–	1043	1298	1603	1957	2359	2811	3313	3814	4415	5066	2.00
2.01	236	475	22.38	18.76	425	549	681	833	1010	1211	1437	1688	1938	2239	2589	2989	3440	3940	4440	5040	5691	2.01
2.10	300	630	33.93	25.45	–	–	–	649	829	1032	1259	1511	1762	2063	2414	2815	3266	3766	4267	4867	5517	2.10
2.11	475	1000	58.71	46.79	–	–	–	–	–	–	–	1060	1316	1621	1975	2378	2830	3332	3833	4434	5085	2.11
2.11	265	560	27.75	20.75	–	–	584	738	915	1118	1344	1596	1846	2147	2498	2899	3349	3850	4350	4950	5600	2.11
2.12	250	530	25.00	18.70	–	488	622	775	952	1154	1381	1632	1882	2183	2534	2934	3385	3885	4385	4986	5636	2.12
2.12	224	475	20.09	15.08	433	557	690	842	1019	1220	1446	1697	1947	2248	2598	2999	3449	3949	4450	5050	5700	2.12
2.13	375	800	45.88	35.06	–	–	–	–	–	825	1056	1310	1563	1866	2217	2619	3070	3571	4072	4673	5323	2.13
2.22	450	1000	55.82	43.98	–	–	–	–	–	–	815	1077	1333	1639	1993	2396	2848	3350	3852	4453	5104	2.22
2.23	224	500	20.09	15.08	–	534	667	820	997	1199	1425	1676	1927	2227	2578	2978	3429	3929	4430	5030	5680	2.23
2.23	560	1250	–[1]	55.69	–	–	–	–	–	–	–	–	1021	1335	1694	2101	2556	3060	3562	4165	4817	2.23
2.24	250	560	25.00	18.70	–	–	594	748	926	1129	1355	1607	1858	2159	2509	2910	3361	3861	4361	4962	5612	2.24
2.25	280	630	30.44	22.78	–	–	–	663	842	1046	1274	1526	1777	2078	2429	2830	3281	3782	4282	4883	5533	2.25
2.25	355	800	42.87	32.56	–	–	–	–	–	839	1070	1325	1578	1880	2232	2634	3085	3586	4087	4688	5339	2.25
2.35	425	1000	52.77	41.09	–	–	–	–	–	–	832	1094	1351	1656	2011	2414	2867	3369	3871	4472	5123	2.35
2.36	530	1250	64.03	52.67	–	–	–	–	–	–	–	–	1040	1355	1715	2122	2578	3082	3585	4187	4839	2.36
2.37	236	560	22.38	18.76	–	467	603	758	936	1139	1366	1617	1868	2169	2520	2921	3371	3872	4372	4973	5623	2.37
2.38	265	630	27.75	20.75	–	–	515	673	853	1057	1284	1537	1788	2089	2441	2842	3292	3793	4294	4894	5544	2.38
2.39	335	800	39.73	30.01	–	–	–	–	642	852	1084	1339	1592	1895	2247	2649	3100	3602	4102	4703	5354	2.39
2.50	224	560	20.09	15.08	–	475	611	766	945	1147	1374	1626	1877	2178	2529	2930	3380	3881	4381	4982	5632	2.50
2.50	500	1250	62.10	49.52	–	–	–	–	–	–	–	–	1060	1375	1736	2143	2599	3104	3607	4210	4862	2.50
2.52	250	630	25.00	18.70	–	–	525	683	863	1067	1295	1548	1799	2101	2452	2853	3304	3804	4305	4906	5556	2.52
2.54	315	800	36.49	27.42	–	–	–	–	655	866	1098	1353	1606	1909	2262	2664	3115	3617	4118	4718	5369	2.54
2.63	475	1250	58.71	46.79	–	–	–	–	–	–	–	–	1076	1392	1753	2161	2617	3122	3625	4228	4880	2.63
2.67	375	1000	45.88	35.06	–	–	–	–	–	–	864	1127	1385	1692	2047	2451	2904	3406	3908	4510	5161	2.67
2.67	236	630	22.38	18.76	–	–	534	692	873	1077	1305	1558	1809	2111	2462	2863	3314	3815	4316	4916	5567	2.67
2.78	450	1250	55.82	43.98	–	–	–	–	–	–	–	–	1092	1409	1770	2179	2635	3140	3644	4247	4899	2.78
2.81	224	630	20.09	15.08	–	–	542	700	881	1086	1314	1566	1818	2120	2471	2872	3323	3824	4325	4925	5576	2.81
2.82	355	1000	42.87	32.56	–	–	–	–	–	–	877	1141	1399	1706	2061	2465	2919	3421	3923	4525	5176	2.82
2.86	280	800	30.44	22.78	–	–	–	–	677	889	1122	1378	1631	1935	2287	2690	3141	3643	4144	4745	5396	2.86
2.94	425	1250	52.77	41.09	–	–	–	–	–	–	–	–	1108	1425	1788	2196	2653	3158	3662	4265	4918	2.94
2.99	335	1000	39.73	30.01	–	–	–	–	–	–	890	1154	1413	1720	2075	2480	2933	3436	3938	4540	5191	2.99
3.02	265	800	27.75	20.75	–	–	–	–	687	899	1132	1388	1642	1946	2298	2701	3153	3654	4155	4756	5407	3.02
3.13	400	1250	49.41	38.11	–	–	–	–	–	–	–	–	1124	1442	1805	2214	2671	3176	3680	4284	4936	3.13
3.17	315	1000	36.49	27.42	–	–	–	–	–	–	903	1167	1427	1734	2090	2494	2948	3451	3953	4555	5206	3.17
3.20	250	800	25.00	18.70	–	–	–	–	696	909	1143	1399	1653	1956	2309	2712	3164	3665	4167	4768	5419	3.20
3.33	300	1000	33.93	25.45	–	–	–	–	–	–	912	1177	1437	1744	2100	2505	2959	3462	3964	4566	5218	3.33
3.39	236	800	22.69	16.90	–	–	–	–	705	918	1152	1409	1663	1967	2320	2722	3174	3676	4177	4778	5429	3.39
3.52	355	1250	43.18	32.70	–	–	–	–	–	–	–	876	1153	1472	1836	2245	2703	3209	3713	4317	4970	3.52
3.57	224	800	20.40	15.22	–	–	–	516	713	926	1160	1417	1671	1975	2328	2731	3183	3685	4186	4787	5439	3.57
3.73	335	1250	40.04	30.15	–	–	–	–	–	–	–	888	1166	1485	1849	2259	2717	3223	3728	4332	4985	3.73
3.77	265	1000	28.06	20.89	–	–	–	–	–	–	935	1201	1461	1769	2125	2530	2984	3488	3990	4592	5244	3.77
3.97	315	1250	36.77	27.56	–	–	–	–	–	–	–	900	1179	1499	1863	2273	2731	3238	3742	4346	5000	3.97
4.00	250	1000	25.31	18.84	–	–	–	–	–	–	944	1211	1471	1779	2136	2541	2995	3499	4001	4603	5255	4.00
4.17	300	1250	34.24	25.59	–	–	–	–	–	–	–	909	1188	1508	1873	2284	2742	3249	3753	4357	5011	4.17
4.24	236	1000	22.69	16.90	–	–	–	–	–	–	953	1220	1480	1789	2146	2551	3005	3509	4012	4612	5266	4.24
4.46	280	1250	30.75	22.92	–	–	–	–	–	–	–	921	1201	1522	1887	2298	2756	3263	3768	4372	5026	4.46
4.72	265	1250	28.06	20.89	–	–	–	–	–	–	–	930	1211	1532	1897	2308	2767	3274	3776	4383	5037	4.72
5.00	250	1250	25.31	18.84	–	–	–	–	–	–	–	939	1220	1541	1907	2319	2777	3284	3790	4394	5048	5.00
5.30	236	1250	22.69	16.90	–	–	–	–	–	–	–	948	1229	1551	1916	2328	2787	3294	3800	4404	5058	5.30
5.58	224	1250	20.40	15.20	–	–	–	–	–	–	–	955	1236	1558	1925	2337	2796	3303	3808	4413	5067	5.58

All dimensions in millimetres.
The above drives are based on the ISO belt length designations, other belt lengths and pulley combinations are available - consult your local Authorised Distributor.
Drive combinations are available using 200mm & 212mm pitch diameter pulleys and Quattro Plus belts - consult your local Authorised Distributor.

Power Ratings - USPB Ultra PLUS 150 Wedge Belts

Power Ratings - USPB Ultra PLUS 150 Wedge Belts

Rev/min of faster shaft	Rated Power (kW) per belt for small pulley pitch dia (mm)										Belt Speed (m/s)
	140	160	180	200	224	250	280	315	355	400	
50	0.66	0.83	0.99	1.15	1.35	1.55	1.79	2.06	2.38	2.72	
100	1.23	1.54	1.86	2.17	2.53	2.93	3.38	3.91	4.51	5.17	
200	2.26	2.87	3.46	4.05	4.75	5.51	6.37	7.37	8.50	9.77	
350	3.68	4.69	5.69	6.69	7.86	9.13	10.58	12.24	14.13	16.22	
500	5.01	6.41	7.80	9.17	10.80	12.55	14.55	16.84	19.43	22.28	
700	**6.66**	**8.56**	**10.45**	**12.31**	**14.51**	**16.87**	**19.54**	**22.61**	**26.03**	**29.79**	
800	7.44	9.59	11.72	13.81	16.29	18.93	21.92	25.33	29.14	33.28	
950	**8.58**	**11.09**	**13.55**	**15.98**	**18.85**	**21.90**	**25.33**	**29.23**	**33.53**	**38.17**	
1200	10.37	13.44	16.45	19.40	22.87	26.52	30.60	35.16	40.11	45.30	
1450	**12.03**	**15.63**	**19.14**	**22.56**	**26.55**	**30.70**	**35.28**	**40.31**	**45.62**	**50.96**	30
1600	12.97	16.86	20.65	24.33	28.58	32.99	37.79	42.99	48.35	53.57	
1800	14.14	18.41	22.54	26.51	31.08	35.75	40.75	46.03	51.26	56.01	
2000	15.24	19.85	24.28	28.51	33.32	38.16	43.24	48.42	53.25	57.16	
2500	17.59	22.91	27.91	32.56	37.64	42.48	47.12	51.12			
2850	**18.89**	**24.57**	**29.79**	**34.52**	**39.47**	**43.87**	**47.58**				40
3500	20.47	26.45	31.63	35.93	39.80						
4000	20.86	26.70	31.38	34.77							
5000	19.14	23.58									

Additional Power Ratings - USPB

Rev/min of faster shaft	Additional Power (kW) per belt for speed ratio									
	1.00 to 1.01	1.02 to 1.05	1.06 to 1.11	1.12 to 1.18	1.19 to 1.26	1.27 to 1.38	1.30 to 1.57	1.58 to 1.94	1.95 to 3.38	3.39 and over
100	0.00	0.01	0.02	0.04	0.04	0.06	0.07	0.07	0.08	0.08
200	0.00	0.01	0.04	0.07	0.09	0.11	0.13	0.15	0.16	0.17
300	0.00	0.02	0.06	0.10	0.14	0.17	0.20	0.22	0.24	0.25
400	0.00	0.03	0.07	0.13	0.19	0.22	0.26	0.29	0.32	0.34
500	0.00	0.04	0.09	0.17	0.23	0.28	0.33	0.37	0.40	0.43
600	0.00	0.04	0.12	0.20	0.28	0.34	0.40	0.45	0.48	0.51
700	0.00	0.05	0.13	0.24	0.33	0.39	0.46	0.52	0.57	0.59
720	**0.00**	**0.05**	**0.14**	**0.25**	**0.33**	**0.41**	**0.48**	**0.54**	**0.59**	**0.62**
800	0.00	0.06	0.16	0.28	0.37	0.45	0.53	0.60	0.65	0.69
900	0.00	0.07	0.18	0.31	0.42	0.51	0.60	0.66	0.72	0.77
960	**0.00**	**0.07**	**0.19**	**0.32**	**0.44**	**0.54**	**0.62**	**0.70**	**0.77**	**0.81**
1000	0.00	0.07	0.19	0.34	0.46	0.56	0.66	0.74	0.81	0.86
1100	0.00	0.08	0.22	0.37	0.51	0.62	0.72	0.81	0.89	0.94
1200	0.00	0.09	0.23	0.41	0.56	0.68	0.79	0.89	0.97	1.03
1300	0.00	0.09	0.25	0.44	0.60	0.73	0.86	0.96	1.05	1.11
1400	0.00	0.10	0.28	0.48	0.65	0.79	0.93	1.04	1.13	1.20
1440	**0.00**	**0.10**	**0.28**	**0.48**	**0.66**	**0.79**	**0.94**	**1.06**	**1.15**	**1.21**
1500	0.00	0.10	0.29	0.51	0.69	0.84	0.99	1.11	1.21	1.28
1600	0.00	0.11	0.31	0.54	0.75	0.90	1.05	1.19	1.29	1.37
1700	0.00	0.12	0.34	0.58	0.79	0.95	1.12	1.26	1.37	1.45
1800	0.00	0.13	0.35	0.61	0.84	1.01	1.19	1.34	1.45	1.54
1900	0.00	0.13	0.37	0.65	0.88	1.07	1.25	1.41	1.54	1.63
2000	0.00	0.14	0.39	0.68	0.93	1.13	1.32	1.48	1.62	1.71
2100	0.00	0.15	0.41	0.72	0.98	1.18	1.39	1.56	1.69	1.79
2200	0.00	0.16	0.43	0.75	1.02	1.24	1.45	1.63	1.78	1.88
2300	0.00	0.16	0.45	0.78	1.07	1.29	1.51	1.71	1.86	1.97
2400	0.00	0.17	0.47	0.82	1.11	1.35	1.58	1.78	1.94	2.05
2500	0.00	0.18	0.49	0.85	1.16	1.41	1.65	1.86	2.02	2.14
2600	0.00	0.19	0.51	0.89	1.21	1.46	1.72	1.92	2.10	2.22
2700	0.00	0.19	0.53	0.92	1.25	1.52	1.78	1.99	2.18	2.31
2800	0.00	0.20	0.54	0.95	1.29	1.57	1.84	2.07	2.26	2.39
2880	**0.00**	**0.20**	**0.56**	**0.97**	**1.32**	**1.60**	**1.88**	**2.11**	**2.31**	**2.44**
2900	0.00	0.21	0.57	0.99	1.34	1.63	1.91	2.15	2.34	2.48
3000	0.00	0.22	0.59	1.02	1.39	1.69	1.98	2.23	2.42	2.57

Power Ratings - USPC Ultra PLUS 150 Wedge Belts

Power Ratings - USPC Ultra PLUS 150 Wedge Belts

Rev/min of faster shaft	Rated Power (kW) per belt for small pulley pitch dia (mm)										Belt Speed (m/s)
	224	250	280	315	355	400	450	500	560	630	
50	1.96	2.35	2.78	3.29	3.86	4.50	5.21	5.91	6.75	7.72	
100	3.65	4.38	5.22	6.19	7.28	8.51	9.86	11.20	12.80	14.64	
200	6.74	8.14	9.73	11.58	13.67	16.00	18.57	21.11	24.12	27.61	
350	10.99	13.33	16.01	19.09	22.58	26.46	30.71	34.90	39.86	45.54	
500	14.94	18.17	21.86	26.11	30.90	36.20	41.98	47.64	54.27	61.78	
700	**19.82**	**24.18**	**29.14**	**34.82**	**41.17**	**48.14**	**55.66**	**62.92**	**71.27**	**80.50**	
800	22.12	27.01	32.56	38.89	45.95	53.65	61.88	69.76	78.71	88.41	30
950	**25.39**	**31.04**	**37.41**	**44.65**	**52.65**	**61.27**	**70.36**	**78.90**	**88.35**	**98.19**	
1200	30.37	37.15	44.73	53.22	62.43	72.10	81.94	90.74	99.77	108.02	
1300	32.20	39.38	47.37	56.26	65.81	75.71	85.58	94.13	102.50	109.38	
1450	**34.74**	**42.47**	**51.00**	**60.37**	**70.27**	**80.27**	**89.84**	**97.62**	**104.37**		
1600	37.05	45.25	54.21	63.91	73.93	83.72	92.55	99.03			40
1700	38.46	46.93	56.10	65.93	75.90	85.35	93.44	98.71			
1800	39.74	48.44	57.78	67.66	77.47	86.43	93.53				
2000	41.96	50.99	60.49	70.21	79.32	86.77					
2500	45.18	54.25	62.99	70.61							
2850	**45.23**	**53.54**	**60.61**								
3500	39.74										

Additional Power Ratings - USPC

Rev/min of faster shaft	Additional Power (kW) per belt for speed ratio									
	1.00 to 1.01	1.02 to 1.05	1.06 to 1.11	1.12 to 1.18	1.19 to 1.26	1.27 to 1.38	1.30 to 1.57	1.58 to 1.94	1.95 to 3.38	3.39 and over
100	0.00	0.02	0.06	0.11	0.14	0.17	0.20	0.23	0.25	0.26
200	0.00	0.04	0.12	0.21	0.29	0.35	0.41	0.46	0.50	0.53
300	0.00	0.07	0.18	0.32	0.43	0.52	0.61	0.69	0.75	0.79
400	0.00	0.09	0.24	0.42	0.57	0.70	0.81	0.92	1.00	1.06
500	0.00	0.11	0.30	0.53	0.72	0.87	1.02	1.15	1.25	1.32
600	0.00	0.13	0.36	0.63	0.86	1.04	1.22	1.37	1.50	1.59
700	0.00	0.15	0.42	0.74	1.00	1.22	1.43	1.60	1.75	1.85
720	**0.00**	**0.16**	**0.43**	**0.76**	**1.03**	**1.25**	**1.46**	**1.65**	**1.80**	**1.90**
800	0.00	0.17	0.48	0.84	1.15	1.39	1.63	1.83	2.00	2.11
900	0.00	0.20	0.54	0.95	1.29	1.56	1.85	2.06	2.25	2.38
960	**0.00**	**0.21**	**0.58**	**1.01**	**1.37**	**1.67**	**1.95**	**2.20**	**2.40**	**2.54**
1000	0.00	0.22	0.60	1.05	1.43	1.74	2.04	2.29	2.50	2.64
1110	0.00	0.24	0.66	1.16	1.57	1.91	2.24	2.52	2.75	2.91
1200	0.00	0.26	0.72	1.26	1.72	2.09	2.44	2.75	3.00	3.17
1300	0.00	0.28	0.78	1.37	1.86	2.26	2.65	2.98	3.25	3.44
1400	0.00	0.31	0.84	1.47	2.00	2.43	2.85	3.21	3.50	3.70
1440	**0.00**	**0.31**	**0.87**	**1.51**	**2.06**	**2.50**	**2.93**	**3.30**	**3.60**	**3.81**
1500	0.00	0.33	0.90	1.58	2.15	2.61	3.05	3.44	3.75	3.96
1600	0.00	0.35	0.96	1.68	2.29	2.78	3.26	3.67	4.00	4.23
1700	0.00	0.37	1.02	1.79	2.43	2.96	3.46	3.90	4.25	4.49
1800	0.00	0.39	1.08	1.89	2.58	3.13	3.66	4.12	4.50	4.76
1900	0.00	0.42	1.14	2.00	2.72	3.30	3.87	4.35	4.75	5.02
2000	0.00	0.44	1.20	2.10	2.86	3.48	4.07	4.58	5.00	5.29
2100	0.00	0.46	1.26	2.21	3.00	3.65	4.27	4.81	5.25	5.55
2200	0.00	0.48	1.32	2.31	3.15	3.83	4.48	5.04	5.50	5.82
2300	0.00	0.51	1.38	2.42	3.29	4.00	4.68	5.27	5.75	6.08
2400	0.00	0.53	1.44	2.52	3.43	4.18	4.88	5.50	6.00	6.35
2500	0.00	0.55	1.50	2.63	3.58	4.35	5.09	5.73	6.25	6.61
2600	0.00	0.57	1.56	2.73	3.72	4.52	5.29	5.95	6.50	6.88
2700	0.00	0.59	1.62	2.84	3.86	4.70	5.49	6.18	6.75	7.14
2800	0.00	0.62	1.68	2.94	4.00	4.87	5.70	6.41	7.00	7.41
2880	**0.00**	**0.64**	**1.74**	**3.05**	**4.15**	**5.05**	**5.90**	**6.64**	**7.25**	**7.67**
3000	0.00	0.66	1.80	3.15	4.29	5.22	6.11	6.87	7.50	7.94
3100	0.00	0.68	1.86	3.26	4.43	5.39	6.31	7.10	7.75	8.20
3200	0.00	0.70	1.92	3.36	4.58	5.57	6.51	7.33	8.00	8.46
3300	0.00	0.73	1.98	3.47	4.72	5.74	6.72	7.56	8.25	8.73
3400	0.00	0.75	2.04	3.57	4.86	5.92	6.92	7.79	8.50	8.99
3500	0.00	0.77	2.10	3.68	5.01	6.09	7.12	8.02	8.75	9.26
3600	0.00	0.79	2.16	3.78	5.15	6.26	7.33	8.24	9.00	9.52

Power Ratings - QXPZ, QXPB Quattro PLUS Wedge Belts

Power Ratings - QXPZ Quattro PLUS Wedge Belts

Rev/ min of faster shaft	Rated Power (kW) Per Belt for Small Pulley Pitch Dia (mm)																		Belt Speed m/s
	56	60	63	67	71	75	80	85	90	95	100	106	112	118	125	132	140	150	
100	0.11	0.12	0.13	0.15	0.16	0.18	0.20	0.22	0.23	0.25	0.27	0.29	0.32	0.34	0.36	0.39	0.42	0.46	
500	0.42	0.49	0.55	0.62	0.68	0.75	0.84	0.92	1.01	1.09	1.18	1.28	1.38	1.47	1.59	1.71	1.84	2.00	
720	**0.58**	**0.68**	**0.75**	**0.85**	**0.94**	**1.04**	**1.16**	**1.28**	**1.40**	**1.51**	**1.63**	**1.77**	**1.91**	**2.05**	**2.21**	**2.38**	**2.56**	**2.79**	
960	**0.73**	**0.86**	**0.96**	**1.08**	**1.21**	**1.34**	**1.49**	**1.65**	**1.80**	**1.96**	**2.11**	**2.29**	**2.48**	**2.66**	**2.87**	**3.08**	**3.32**	**3.61**	
1000	0.76	0.89	0.99	1.12	1.25	1.38	1.55	1.71	1.87	2.03	2.19	2.38	2.57	2.76	2.98	3.19	3.44	3.75	
1100	0.82	0.97	1.08	1.22	1.36	1.50	1.68	1.86	2.03	2.21	2.38	2.59	2.80	3.00	3.24	3.48	3.75	4.08	
1200	0.88	1.04	1.16	1.31	1.47	1.62	1.82	2.01	2.20	2.39	2.57	2.80	3.02	3.24	3.50	3.76	4.05	4.41	
1300	0.94	1.11	1.24	1.41	1.57	1.74	1.95	2.15	2.36	2.56	2.76	3.00	3.25	3.48	3.76	4.04	4.35	4.74	
1400	1.00	1.18	1.32	1.50	1.68	1.86	2.08	2.30	2.52	2.73	2.95	3.21	3.47	3.72	4.02	4.31	4.65	5.06	
1440	**1.03**	**1.21**	**1.35**	**1.54**	**1.72**	**1.90**	**2.13**	**2.35**	**2.58**	**2.80**	**3.02**	**3.29**	**3.55**	**3.82**	**4.12**	**4.42**	**4.77**	**5.19**	
1500	1.06	1.25	1.40	1.59	1.78	1.97	2.20	2.44	2.67	2.90	3.13	3.41	3.68	3.96	4.27	4.58	4.94	5.38	
1600	1.12	1.32	1.48	1.68	1.88	2.08	2.33	2.58	2.83	3.07	3.32	3.61	3.90	4.19	4.52	4.85	5.23	5.70	
1700	1.17	1.39	1.55	1.77	1.98	2.19	2.46	2.72	2.98	3.24	3.50	3.81	4.11	4.42	4.77	5.12	5.51	6.01	
1800	1.23	1.46	1.63	1.85	2.08	2.30	2.58	2.86	3.13	3.40	3.68	4.00	4.32	4.64	5.01	5.38	5.80	6.31	
1900	1.28	1.52	1.70	1.94	2.18	2.41	2.70	2.99	3.28	3.57	3.85	4.19	4.53	4.87	5.25	5.64	6.07	6.61	
2000	1.34	1.59	1.78	2.03	2.27	2.52	2.82	3.13	3.43	3.73	4.03	4.38	4.74	5.09	5.49	5.89	6.35	6.91	
2100	1.39	1.65	1.85	2.11	2.37	2.63	2.94	3.26	3.58	3.89	4.20	4.57	4.94	5.31	5.73	6.15	6.62	7.21	
2200	1.44	1.72	1.92	2.19	2.46	2.73	3.06	3.39	3.72	4.05	4.37	4.76	5.14	5.52	5.96	6.40	6.89	7.50	
2300	1.49	1.78	1.99	2.28	2.56	2.84	3.18	3.53	3.87	4.21	4.54	4.94	5.34	5.74	6.19	6.64	7.15	7.78	
2400	1.55	1.84	2.06	2.36	2.65	2.94	3.30	3.66	4.01	4.36	4.71	5.13	5.54	5.95	6.42	6.89	7.42	8.07	
2500	1.60	1.90	2.13	2.44	2.74	3.04	3.41	3.78	4.15	4.52	4.88	5.31	5.73	6.16	6.65	7.13	7.67	8.34	
2600	1.65	1.96	2.20	2.52	2.83	3.14	3.53	3.91	4.29	4.67	5.04	5.49	5.93	6.36	6.87	7.37	7.93	8.62	
2700	1.69	2.02	2.27	2.60	2.92	3.24	3.64	4.04	4.43	4.82	5.20	5.66	6.12	6.57	7.09	7.60	8.18	8.89	
2800	1.74	2.08	2.34	2.67	3.01	3.34	3.75	4.16	4.57	4.97	5.37	5.84	6.31	6.77	7.30	7.83	8.42	9.15	
2880	**1.78**	**2.13**	**2.39**	**2.74**	**3.08**	**3.42**	**3.84**	**4.26**	**4.67**	**5.09**	**5.49**	**5.98**	**6.46**	**6.93**	**7.48**	**8.01**	**8.62**	**9.36**	
2900	1.79	2.14	2.40	2.75	3.10	3.44	3.86	4.28	4.70	5.11	5.52	6.01	6.49	6.97	7.52	8.06	8.67	9.41	
3000	1.84	2.20	2.47	2.83	3.18	3.54	3.97	4.41	4.84	5.26	5.68	6.18	6.68	7.17	7.73	8.28	8.91	9.67	
3200	1.93	2.31	2.60	2.98	3.35	3.73	4.19	4.65	5.10	5.55	5.99	6.52	7.04	7.55	8.14	8.72	9.37	10.17	
3400	2.02	2.42	2.73	3.13	3.52	3.91	4.40	4.88	5.36	5.83	6.29	6.85	7.39	7.93	8.54	9.15	9.83	10.65	
3600	2.11	2.53	2.85	3.27	3.69	4.10	4.61	5.11	5.61	6.10	6.59	7.17	7.73	8.29	8.93	9.56	10.26	11.11	
3800	2.19	2.64	2.97	3.41	3.85	4.28	4.81	5.34	5.86	6.37	6.88	7.48	8.07	8.65	9.31	9.96	10.68	11.55	
4000	2.28	2.74	3.09	3.55	4.00	4.45	5.01	5.56	6.10	6.63	7.16	7.78	8.39	8.99	9.67	10.34	11.08	11.97	30
4200	2.36	2.84	3.20	3.68	4.16	4.62	5.20	5.77	6.33	6.89	7.43	8.07	8.70	9.32	10.02	10.71	11.46	12.37	
4300	2.40	2.89	3.26	3.75	4.23	4.71	5.30	5.88	6.45	7.01	7.56	8.22	8.86	9.48	10.19	10.88	11.65	12.56	
4400	2.44	2.94	3.32	3.81	4.31	4.79	5.39	5.98	6.56	7.13	7.70	8.36	9.01	9.64	10.36	11.06	11.83	12.75	
4500	2.47	2.99	3.37	3.88	4.38	4.87	5.48	6.08	6.67	7.25	7.83	8.50	9.15	9.79	10.52	11.23	12.00	12.93	
4600	2.51	3.04	3.43	3.94	4.45	4.95	5.57	6.18	6.78	7.37	7.95	8.63	9.30	9.95	10.68	11.39	12.17	13.10	
4800	2.59	3.13	3.53	4.07	4.59	5.11	5.75	6.38	7.00	7.61	8.20	8.90	9.58	10.24	10.99	11.71	12.50	13.43	
5000	2.66	3.22	3.64	4.19	4.73	5.27	5.93	6.57	7.21	7.83	8.44	9.16	9.85	10.52	11.28	12.01	12.80	13.74	40
5200	2.73	3.31	3.74	4.31	4.87	5.42	6.10	6.76	7.41	8.05	8.67	9.40	10.11	10.79	11.56	12.29	13.09	14.01	
5400	2.80	3.40	3.84	4.42	5.00	5.57	6.26	6.94	7.61	8.26	8.90	9.64	10.35	11.05	11.82	12.56	13.35	14.27	
5600	2.86	3.48	3.93	4.54	5.13	5.71	6.42	7.12	7.80	8.46	9.11	9.86	10.59	11.29	12.07	12.80	13.59	14.49	
5800	2.93	3.56	4.03	4.64	5.25	5.85	6.58	7.29	7.98	8.66	9.32	10.08	10.81	11.51	12.29	13.03	13.81	14.69	
6000	2.99	3.64	4.12	4.75	5.37	5.98	6.72	7.45	8.16	8.85	9.51	10.28	11.02	11.73	12.51	13.23	14.00	14.86	

Power Ratings - QXPB Quattro PLUS Wedge Belts

Rev/ min of faster shaft	Rated Power (kW) Per Belt for Small Pulley Pitch Dia (mm)																		Belt Speed m/s
	112	118	125	132	140	150	160	170	180	190	200	212	224	236	250	265	280	300	315	
100	0.57	0.63	0.70	0.77	0.85	0.95	1.05	1.16	1.26	1.36	1.46	1.58	1.69	1.81	1.95	2.10	2.25	2.44	2.59	
500	2.35	2.64	2.96	3.29	3.66	4.13	4.59	5.05	5.51	5.96	6.42	6.96	7.50	8.04	8.67	9.33	10.00	10.88	11.54	
720	**3.23**	**3.63**	**4.09**	**4.55**	**5.07**	**5.72**	**6.37**	**7.02**	**7.66**	**8.30**	**8.94**	**9.70**	**10.45**	**11.20**	**12.08**	**13.01**	**13.93**	**15.15**	**16.06**	
960	**4.14**	**4.66**	**5.26**	**5.86**	**6.54**	**7.39**	**8.23**	**9.07**	**9.91**	**10.74**	**11.56**	**12.55**	**13.53**	**14.50**	**15.62**	**16.81**	**18.00**	**19.56**	**20.72**	
1000	4.28	4.82	5.45	6.07	6.78	7.66	8.54	9.41	10.27	11.13	11.99	13.01	14.02	15.03	16.19	17.43	18.65	20.27	21.46	
1100	4.64	5.23	5.91	6.59	7.37	8.33	9.28	10.23	11.18	12.11	13.04	14.15	15.25	16.34	17.60	18.94	20.26	22.00	23.29	
1200	5.00	5.63	6.37	7.11	7.95	8.99	10.02	11.04	12.06	13.07	14.07	15.27	16.45	17.62	18.98	20.41	21.83	23.69	25.06	
1300	5.34	6.03	6.82	7.61	8.51	9.63	10.74	11.84	12.93	14.01	15.09	16.36	17.63	18.88	20.32	21.85	23.35	25.33	26.78	
1400	5.68	6.41	7.27	8.11	9.07	10.26	11.45	12.62	13.78	14.93	16.08	17.43	18.78	20.10	21.63	23.24	24.83	26.91	28.43	
1440	**5.82**	**6.57**	**7.44**	**8.31**	**9.29**	**10.52**	**11.73**	**12.93**	**14.12**	**15.30**	**16.47**	**17.86**	**19.23**	**20.58**	**22.15**	**23.79**	**25.41**	**27.52**	**29.07**	
1500	6.01	6.79	7.70	8.60	9.62	10.89	12.14	13.39	14.62	15.84	17.05	18.48	19.90	21.30	22.91	24.60	26.26	28.43	30.02	
1600	6.34	7.17	8.13	9.08	10.16	11.50	12.82	14.14	15.44	16.72	18.00	19.50	20.99	22.46	24.14	25.91	27.64	29.89	31.54	
1700	6.66	7.53	8.54	9.55	10.69	12.10	13.49	14.87	16.24	17.59	18.92	20.50	22.06	23.59	25.34	27.18	28.97	31.30	32.99	
1800	6.97	7.89	8.96	10.01	11.21	12.69	14.15	15.60	17.02	18.43	19.83	21.47	23.09	24.68	26.50	28.40	30.25	32.63	34.36	
1900	7.28	8.24	9.36	10.46	11.72	13.26	14.79	16.30	17.79	19.26	20.71	22.42	24.10	25.74	27.61	29.57	31.47	33.90	35.66	30
2000	7.58	8.59	9.75	10.91	12.21	13.83	15.42	16.99	18.54	20.06	21.57	23.33	25.07	26.76	28.69	30.69	32.63	35.10	36.88	
2100	7.88	8.93	10.14	11.34	12.70	14.38	16.03	17.66	19.27	20.85	22.40	24.22	26.01	27.75	29.72	31.76	33.73	36.23	38.01	
2200	8.17	9.26	10.52	11.77	13.18	14.92	16.63	18.32	19.98	21.61	23.21	25.08	26.91	28.69	30.70	32.78	34.77	37.28	39.06	
2300	8.45	9.58	10.89	12.18	13.65	15.45	17.22	18.96	20.67	22.35	23.99	25.91	27.78	29.60	31.64	33.74	35.75	38.26	40.02	
2400	8.72	9.90	11.25	12.59	14.10	15.96	17.79	19.58	21.34	23.06	24.74	26.71	28.61	30.46	32.53	34.65	36.65	39.15	40.88	40
2500	8.99	10.21	11.61	12.99	14.55	16.47	18.35	20.19	21.99	23.75	25.47	27.47	29.41	31.28	33.37	35.49	37.49	39.95	41.64	
2600	9.26	10.51	11.95	13.38	14.98	16.95	18.89	20.77	22.62	24.42	26.17	28.21	30.17	32.05	34.15	36.27	38.26	40.67	42.31	
2700	9.51	10.80	12.29	13.75	15.41	17.43	19.41	21.34	23.22	25.06	26.84	28.90	30.89	32.78	34.88	36.99	38.95	41.30	42.87	
2800	9.76	11.09	12.62	14.12	15.82	17.89	19.92	21.89	23.81	25.67	27.48	29.57	31.56	33.46	35.56	37.64	39.56	41.84	43.32	
2880	**9.96**	**11.31**	**12.87**	**14.41**	**16.14**	**18.25**	**20.31**	**22.31**	**24.26**	**26.14**	**27.97**	**30.07**	**32.07**	**33.97**	**36.06**	**38.12**	**39.99**	**42.19**	**43.60**	
2900	10.00	11.37	12.94	14.48	16.22	18.34	20.41	22.42	24.37	26.26	28.09	30.19	32.20	34.10	36.18	38.23	40.10	42.27	43.66	
3000	10.24	11.64	13.25	14.83	16.60	18.77	20.88	22.92	24.91	26.82	28.67	30.78	32.79	34.68	36.73	38.75	40.55	42.61	43.89	
3200	10.69	12.15	13.84	15.49	17.34	19.59	21.77	23.88	25.91	27.86	29.72	31.85	33.84	35.69	37.67	39.56	41.20	42.98		
3400	11.11	12.64	14.39	16.11	18.02	20.35	22.59	24.74	26.81	28.77	30.64	32.75	34.70	36.48	38.34	40.07	41.49			
3600	11.50	13.09	14.91	16.68	18.66	21.04	23.33	25.52	27.60	29.57	31.42	33.48	35.36	37.04	38.75	40.25				
3800	11.86	13.50	15.38	17.21	19.23	21.67	23.99	26.20	28.28	30.23	32.05	34.04	35.81	37.36	38.87					
3900	12.03	13.70	15.60	17.45	19.50	21.96	24.29	26.50	28.58	30.51	32.30	34.25	35.96	37.43						
4000	12.19	13.88	15.81	17.68	19.75	22.23	24.57	26.78	28.84	30.76	32.52	34.41	36.05							
4200	12.48	14.22	16.20	18.11	20.21	22.71	25.06	27.26	29.29	31.14	32.82	34.58								
4400	12.74	14.52	16.54	18.48	20.60	23.12	25.46	27.62	29.60	31.38	32.95									
4600	12.97	14.78	16.83	18.79	20.93	23.45	25.76	27.88	29.78	31.46										
4800	13.16	15.00	17.07	19.05	21.20	23.69	25.97	28.02	29.83											
5000	13.31	15.18	17.27	19.25	21.39	23.86	26.08													

Power Ratings - QXPA, QXPC Quattro PLUS Wedge Belts

Power Ratings - QXPA Quattro PLUS Wedge Belts

Rev/ min of faster shaft	Rated Power (kW) Per Belt for Small Pulley Pitch Dia (mm)																		Belt Speed m/s
	80	85	90	95	100	106	112	118	125	132	140	150	160	170	180	190	200	224	
100	0.24	0.27	0.30	0.34	0.37	0.41	0.44	0.48	0.53	0.57	0.62	0.68	0.75	0.81	0.87	0.93	0.99	1.14	
500	0.98	1.13	1.27	1.42	1.56	1.74	1.91	2.09	2.29	2.49	2.71	3.00	3.28	3.56	3.84	4.12	4.40	5.06	
720	**1.34**	**1.55**	**1.75**	**1.96**	**2.16**	**2.41**	**2.65**	**2.89**	**3.18**	**3.46**	**3.78**	**4.18**	**4.57**	**4.97**	**5.36**	**5.75**	**6.14**	**7.07**	
960	**1.71**	**1.98**	**2.25**	**2.52**	**2.78**	**3.10**	**3.42**	**3.74**	**4.11**	**4.48**	**4.89**	**5.41**	**5.93**	**6.44**	**6.95**	**7.46**	**7.97**	**9.17**	
1000	1.77	2.05	2.33	2.61	2.89	3.22	3.55	3.88	4.26	4.64	5.08	5.62	6.15	6.68	7.21	7.74	8.26	9.51	
1100	1.91	2.22	2.53	2.83	3.14	3.50	3.86	4.22	4.64	5.05	5.53	6.12	6.70	7.28	7.86	8.43	9.00	10.35	
1200	2.06	2.39	2.72	3.05	3.38	3.78	4.17	4.56	5.01	5.46	5.97	6.61	7.24	7.87	8.49	9.11	9.72	11.18	
1300	2.20	2.56	2.91	3.27	3.62	4.05	4.47	4.89	5.38	5.86	6.41	7.09	7.77	8.44	9.11	9.77	10.43	11.99	
1400	2.34	2.72	3.10	3.48	3.86	4.32	4.77	5.22	5.74	6.25	6.84	7.57	8.29	9.01	9.72	10.43	11.13	12.79	
1440	**2.39**	**2.79**	**3.18**	**3.57**	**3.96**	**4.42**	**4.89**	**5.35**	**5.88**	**6.41**	**7.01**	**7.76**	**8.50**	**9.24**	**9.97**	**10.69**	**11.41**	**13.10**	
1500	2.47	2.88	3.29	3.70	4.10	4.58	5.06	5.54	6.09	6.64	7.27	8.04	8.81	9.57	10.33	11.08	11.82	13.57	
1600	2.61	3.04	3.47	3.90	4.33	4.84	5.35	5.86	6.44	7.03	7.69	8.51	9.32	10.12	10.92	11.71	12.49	14.33	
1700	2.74	3.20	3.65	4.11	4.56	5.10	5.64	6.17	6.79	7.41	8.10	8.97	9.82	10.67	11.51	12.33	13.15	15.08	
1800	2.87	3.35	3.83	4.31	4.79	5.36	5.92	6.48	7.13	7.78	8.51	9.42	10.32	11.20	12.08	12.94	13.80	15.81	
1900	2.99	3.50	4.01	4.51	5.01	5.61	6.20	6.79	7.47	8.15	8.91	9.86	10.80	11.73	12.64	13.54	14.44	16.52	
2000	3.12	3.65	4.18	4.71	5.23	5.86	6.48	7.09	7.80	8.51	9.31	10.30	11.28	12.24	13.19	14.13	15.06	17.22	
2100	3.24	3.80	4.35	4.90	5.45	6.10	6.75	7.39	8.13	8.87	9.70	10.73	11.75	12.75	13.74	14.71	15.67	17.90	
2200	3.36	3.94	4.52	5.09	5.66	6.34	7.02	7.68	8.46	9.22	10.09	11.16	12.21	13.25	14.27	15.27	16.26	18.56	
2300	3.48	4.09	4.69	5.28	5.87	6.58	7.28	7.97	8.77	9.57	10.47	11.57	12.66	13.73	14.79	15.82	16.84	19.19	
2400	3.60	4.23	4.85	5.47	6.08	6.81	7.54	8.26	9.09	9.91	10.84	11.98	13.11	14.21	15.30	16.36	17.40	19.81	
2500	3.72	4.37	5.01	5.65	6.29	7.05	7.80	8.54	9.40	10.25	11.20	12.38	13.54	14.68	15.79	16.88	17.95	20.41	30
2600	3.83	4.50	5.17	5.83	6.49	7.27	8.05	8.82	9.70	10.58	11.56	12.78	13.97	15.14	16.28	17.39	18.48	20.99	
2700	3.94	4.64	5.33	6.01	6.69	7.50	8.30	9.09	10.00	10.90	11.92	13.16	14.39	15.58	16.75	17.89	19.00	21.54	
2800	4.05	4.77	5.48	6.19	6.89	7.72	8.54	9.36	10.30	11.22	12.26	13.54	14.80	16.02	17.21	18.37	19.50	22.07	
2880	**4.14**	**4.87**	**5.60**	**6.32**	**7.04**	**7.89**	**8.73**	**9.57**	**10.53**	**11.47**	**12.54**	**13.84**	**15.12**	**16.36**	**17.57**	**18.75**	**19.89**	**22.48**	
2900	4.16	4.90	5.63	6.36	7.08	7.94	8.78	9.62	10.58	11.54	12.60	13.91	15.19	16.44	17.66	18.84	19.98	22.58	
3000	4.26	5.03	5.78	6.53	7.27	8.15	9.02	9.88	10.87	11.84	12.94	14.28	15.58	16.86	18.09	19.29	20.45	23.06	
3200	4.47	5.27	6.07	6.86	7.64	8.57	9.48	10.38	11.42	12.44	13.58	14.98	16.33	17.65	18.92	20.14	21.32	23.96	
3400	4.67	5.51	6.35	7.18	8.00	8.97	9.93	10.87	11.95	13.01	14.20	15.64	17.04	18.39	19.69	20.93	22.12	24.75	40
3600	4.86	5.75	6.62	7.49	8.34	9.36	10.35	11.34	12.46	13.56	14.78	16.27	17.71	19.08	20.40	21.65	22.85	25.43	
3800	5.04	5.97	6.88	7.79	8.68	9.73	10.76	11.78	12.94	14.08	15.34	16.86	18.33	19.72	21.05	22.30	23.48	25.99	
4000	5.22	6.18	7.13	8.07	9.00	10.09	11.16	12.21	13.40	14.57	15.86	17.42	18.90	20.31	21.63	22.88	24.04	26.44	
4200	5.38	6.38	7.37	8.34	9.30	10.43	11.53	12.61	13.84	15.03	16.35	17.93	19.42	20.83	22.15	23.37	24.50	26.76	
4400	5.54	6.58	7.60	8.60	9.59	10.75	11.89	12.99	14.25	15.47	16.81	18.40	19.90	21.30	22.60	23.79	24.86	26.95	
4600	5.69	6.76	7.82	8.85	9.87	11.06	12.22	13.35	14.63	15.87	17.22	18.83	20.32	21.71	22.97	24.12	25.13	27.00	
4800	5.83	6.94	8.02	9.08	10.13	11.35	12.54	13.69	14.99	16.24	17.61	19.21	20.69	22.05	23.27	24.36	25.30		
5000	5.96	7.10	8.21	9.31	10.37	11.62	12.83	14.00	15.32	16.58	17.95	19.54	21.00	22.32	23.49	24.51	25.36		
5200	6.09	7.25	8.40	9.51	10.60	11.87	13.10	14.29	15.62	16.89	18.25	19.83	21.26	22.53	23.63	24.56			
5400	6.20	7.40	8.57	9.71	10.82	12.11	13.35	14.55	15.89	17.16	18.51	20.07	21.45	22.67	23.69				
5600	6.31	7.53	8.72	9.88	11.01	12.32	13.58	14.79	16.13	17.39	18.73	20.25	21.59	22.73					
5800	6.40	7.65	8.87	10.05	11.19	12.52	13.79	15.00	16.34	17.59	18.91	20.39	21.66						
6000	6.49	7.76	9.00	10.19	11.35	12.69	13.97	15.18	16.51	17.75	19.04	20.46							

Power Ratings - QXPC Quattro PLUS Wedge Belts

Rev/ min of faster shaft	Rated Power (kW) Per Belt for Small Pulley Pitch Dia (mm)																		Belt Speed m/s
	200	212	224	236	250	265	280	300	315	335	355	375	400	425	450	475	500	530	560	
100	2.09	2.31	2.53	2.75	3.01	3.28	3.55	3.92	4.19	4.55	4.90	5.26	5.71	6.15	6.59	7.03	7.47	8.00	8.52	
200	3.90	4.33	4.75	5.17	5.67	6.19	6.71	7.41	7.93	8.62	9.31	9.99	10.85	11.70	12.54	13.38	14.22	15.23	16.23	
500	8.81	9.81	10.81	11.80	12.96	14.19	15.42	17.05	18.26	19.87	21.47	23.06	25.04	27.00	28.95	30.88	32.80	35.08	37.34	
720	**12.10**	**13.50**	**14.90**	**16.29**	**17.90**	**19.61**	**21.32**	**23.57**	**25.25**	**27.48**	**29.68**	**31.86**	**34.56**	**37.23**	**39.87**	**42.48**	**45.05**	**48.09**	**51.08**	
800	13.25	14.79	16.33	17.85	19.62	21.50	23.37	25.85	27.68	30.11	32.52	34.90	37.84	40.74	43.60	46.42	49.20	52.47	55.67	
900	14.65	16.36	18.07	19.76	21.72	23.81	25.88	28.61	30.64	33.32	35.96	38.58	41.80	44.96	48.08	51.13	54.13	57.65	61.07	
960	**15.47**	**17.28**	**19.09**	**20.88**	**22.96**	**25.16**	**27.35**	**30.23**	**32.37**	**35.19**	**37.97**	**40.71**	**44.09**	**47.40**	**50.65**	**53.83**	**56.95**	**60.59**	**64.12**	
1000	16.01	17.89	19.76	21.62	23.77	26.05	28.31	31.29	33.50	36.41	39.28	42.11	45.58	48.99	52.32	55.58	58.76	62.48	66.07	
1100	17.33	19.38	21.41	23.42	25.75	28.22	30.66	33.88	36.26	39.39	42.46	45.49	49.19	52.81	56.33	59.75	63.08	66.93	70.63	30
1200	18.62	20.83	23.01	25.18	27.68	30.32	32.94	36.38	38.92	42.25	45.51	48.71	52.61	56.40	60.08	63.63	67.05	70.99	74.73	
1300	19.87	22.23	24.56	26.87	29.54	32.36	35.14	38.78	41.47	44.98	48.41	51.76	55.83	59.76	63.55	67.19	70.66	74.62	78.33	
1400	21.08	23.59	26.07	28.52	31.34	34.32	37.25	41.09	43.91	47.58	51.16	54.64	58.85	62.88	66.74	70.41	73.89	77.79	81.39	40
1440	**21.56**	**24.12**	**26.66**	**29.16**	**32.04**	**35.08**	**38.08**	**41.98**	**44.85**	**48.58**	**52.22**	**55.74**	**59.99**	**64.05**	**67.93**	**71.60**	**75.06**	**78.92**	**82.46**	
1500	22.26	24.91	27.52	30.11	33.08	36.21	39.28	43.29	46.23	50.05	53.75	57.33	61.64	65.73	69.62	73.27	76.69	80.48	83.88	
1600	23.39	26.18	28.93	31.64	34.75	38.02	41.22	45.39	48.43	52.37	56.17	59.83	64.19	68.31	72.17	75.76	79.07	82.64	85.77	
1700	24.49	27.40	30.28	33.10	36.34	39.74	43.07	47.37	50.50	54.54	58.41	62.12	66.50	70.60	74.38	77.85	80.98	84.27	87.02	
1800	25.54	28.58	31.57	34.51	37.87	41.39	44.82	49.24	52.44	56.55	60.47	64.20	68.56	72.58	76.23	79.52	82.40	85.31	87.59	
1900	26.55	29.71	32.81	35.85	39.33	42.95	46.46	50.98	54.24	58.40	62.34	66.05	70.34	74.24	77.71	80.74	83.31	85.75		
2000	27.52	30.79	34.00	37.13	40.70	44.41	48.01	52.60	55.90	60.08	64.00	67.66	71.84	75.56	78.79	81.50	83.68			
2100	28.44	31.82	35.12	38.34	42.00	45.79	49.44	54.09	57.41	61.58	65.46	69.03	73.05	76.53	79.45	81.78				
2200	29.32	32.79	36.18	39.48	43.21	47.07	50.77	55.44	58.76	62.89	66.69	70.15	73.94	77.13	79.68					
2300	30.15	33.71	37.18	40.54	44.34	48.24	51.97	56.66	59.94	64.01	67.70	70.99	74.52	77.35						
2400	30.94	34.58	38.11	41.53	45.38	49.32	53.06	57.72	60.96	64.93	68.47	71.56	74.76							
2500	31.67	35.38	38.98	42.44	46.33	50.28	54.02	58.63	61.81	65.64	69.00	71.84								
2600	32.35	36.13	39.77	43.28	47.18	51.14	54.85	59.39	62.47	66.14	69.26									
2700	32.98	36.81	40.50	44.03	47.94	51.88	55.54	59.98	62.95	66.41	69.27									
2800	33.56	37.43	41.15	44.69	48.60	52.50	56.10	60.40	63.23	66.45										
2880	**33.98**	**37.88**	**41.61**	**45.16**	**49.05**	**52.91**	**56.45**	**60.62**	**63.32**											
2900	34.08	37.99	41.72	45.27	49.15	53.00	56.52	60.65												
3000	34.54	38.48	42.22	45.75	49.60	53.38	56.79	60.72												
3200	35.29	39.25	42.97	46.44	50.17	53.74														
3400	35.80	39.73	43.38	46.74																
3600	36.04	39.91																		
3800	36.02																			

Only Fenner pulleys should be used for belt speeds between 30 and 40 m/s. For belt speeds greather than 40 m/sec consult your authorised distributor.
Use the additional power per belt for speed ratio from pages 58 & 59

Power Ratings - CRE PLUS Cogged Raw Edge Wedge Belts

Power Ratings - XPZ CRE Wedge Belts

Rev/ min of faster shaft	Rated Power (kW) Per Belt for Small Pulley Pitch Dia (mm)																		Belt Speed m/s
	56	60	63	67	71	75	80	85	90	95	100	106	112	118	125	132	140	150	
100	0.10	0.11	0.13	0.14	0.16	0.17	0.19	0.21	0.23	0.25	0.27	0.29	0.31	0.33	0.36	0.38	0.41	0.45	
500	0.38	0.45	0.50	0.57	0.64	0.71	0.79	0.88	0.96	1.04	1.12	1.22	1.32	1.42	1.53	1.65	1.78	1.94	
720	**0.51**	**0.61**	**0.68**	**0.78**	**0.87**	**0.97**	**1.09**	**1.20**	**1.32**	**1.44**	**1.55**	**1.69**	**1.83**	**1.97**	**2.12**	**2.28**	**2.46**	**2.69**	
960	**0.65**	**0.77**	**0.87**	**0.99**	**1.12**	**1.24**	**1.39**	**1.54**	**1.70**	**1.85**	**2.00**	**2.18**	**2.36**	**2.53**	**2.74**	**2.95**	**3.18**	**3.47**	
1000	0.67	0.80	0.90	1.03	1.15	1.28	1.44	1.60	1.76	1.91	2.07	2.26	2.44	2.63	2.84	3.05	3.30	3.60	
1100	0.72	0.86	0.97	1.11	1.25	1.39	1.56	1.74	1.91	2.08	2.25	2.45	2.66	2.86	3.09	3.32	3.58	3.91	
1200	0.77	0.92	1.04	1.19	1.34	1.50	1.68	1.87	2.06	2.24	2.43	2.65	2.86	3.08	3.33	3.58	3.87	4.22	
1300	0.82	0.99	1.11	1.27	1.44	1.60	1.80	2.00	2.20	2.40	2.60	2.84	3.07	3.30	3.57	3.84	4.15	4.52	
1400	0.87	1.04	1.18	1.35	1.53	1.70	1.92	2.13	2.35	2.56	2.77	3.02	3.27	3.52	3.81	4.10	4.42	4.82	
1440	**0.89**	**1.07**	**1.20**	**1.39**	**1.56**	**1.74**	**1.97**	**2.19**	**2.41**	**2.62**	**2.84**	**3.10**	**3.35**	**3.61**	**3.91**	**4.20**	**4.53**	**4.94**	
1500	0.91	1.10	1.24	1.43	1.62	1.80	2.03	2.26	2.49	2.72	2.94	3.21	3.47	3.74	4.05	4.35	4.69	5.12	
1600	0.96	1.16	1.31	1.51	1.71	1.90	2.15	2.39	2.63	2.87	3.11	3.39	3.67	3.95	4.28	4.60	4.96	5.41	
1700	1.00	1.22	1.38	1.58	1.79	2.00	2.26	2.51	2.77	3.02	3.27	3.57	3.87	4.16	4.50	4.84	5.22	5.70	
1800	1.05	1.27	1.44	1.66	1.88	2.10	2.37	2.64	2.90	3.17	3.43	3.75	4.06	4.37	4.73	5.08	5.48	5.98	
1900	1.09	1.33	1.50	1.73	1.96	2.19	2.48	2.76	3.04	3.32	3.59	3.92	4.25	4.57	4.95	5.32	5.74	6.25	
2000	1.13	1.38	1.56	1.81	2.05	2.29	2.58	2.88	3.17	3.46	3.75	4.10	4.44	4.77	5.16	5.55	5.99	6.53	
2100	1.18	1.43	1.62	1.88	2.13	2.38	2.69	3.00	3.30	3.61	3.91	4.27	4.62	4.97	5.38	5.78	6.23	6.79	
2200	1.22	1.48	1.68	1.95	2.21	2.47	2.79	3.11	3.43	3.75	4.06	4.43	4.80	5.17	5.59	6.01	6.48	7.05	
2300	1.26	1.53	1.74	2.02	2.29	2.56	2.90	3.23	3.56	3.89	4.21	4.60	4.98	5.36	5.80	6.23	6.71	7.31	
2400	1.29	1.58	1.80	2.08	2.37	2.65	3.00	3.34	3.69	4.03	4.36	4.76	5.16	5.55	6.00	6.45	6.95	7.56	
2500	1.33	1.63	1.86	2.15	2.44	2.74	3.10	3.46	3.81	4.16	4.51	4.92	5.33	5.74	6.20	6.66	7.18	7.81	
2600	1.37	1.68	1.91	2.22	2.52	2.82	3.20	3.57	3.93	4.30	4.66	5.08	5.50	5.92	6.40	6.87	7.40	8.05	
2700	1.41	1.73	1.97	2.28	2.60	2.91	3.29	3.68	4.05	4.43	4.80	5.24	5.67	6.10	6.59	7.08	7.62	8.29	
2800	1.44	1.77	2.02	2.35	2.67	2.99	3.39	3.78	4.17	4.56	4.94	5.39	5.84	6.28	6.79	7.28	7.84	8.52	
2880	**1.47**	**1.81**	**2.06**	**2.40**	**2.73**	**3.06**	**3.47**	**3.87**	**4.27**	**4.66**	**5.05**	**5.51**	**5.97**	**6.42**	**6.94**	**7.44**	**8.01**	**8.70**	
2900	1.48	1.82	2.07	2.41	2.74	3.07	3.48	3.89	4.29	4.69	5.08	5.54	6.00	6.45	6.97	7.48	8.05	8.75	
3000	1.51	1.86	2.13	2.47	2.82	3.16	3.58	3.99	4.41	4.81	5.22	5.69	6.16	6.63	7.16	7.68	8.26	8.97	
3200	1.58	1.95	2.23	2.59	2.96	3.32	3.76	4.20	4.63	5.06	5.48	5.98	6.48	6.96	7.51	8.06	8.66	9.39	
3400	1.64	2.03	2.33	2.71	3.09	3.47	3.94	4.40	4.85	5.30	5.74	6.26	6.78	7.28	7.86	8.42	9.04	9.79	
3600	1.70	2.12	2.42	2.83	3.23	3.62	4.11	4.59	5.07	5.53	5.99	6.54	7.07	7.59	8.18	8.76	9.40	10.17	
3800	1.76	2.19	2.51	2.94	3.35	3.77	4.28	4.78	5.27	5.76	6.23	6.80	7.35	7.88	8.49	9.09	9.74	10.52	
4000	1.82	2.27	2.60	3.04	3.48	3.91	4.44	4.96	5.47	5.97	6.47	7.05	7.61	8.16	8.79	9.39	10.06	10.85	30
4200	1.87	2.34	2.69	3.15	3.60	4.04	4.59	5.13	5.66	6.18	6.69	7.29	7.87	8.43	9.07	9.68	10.35	11.15	
4400	1.92	2.41	2.77	3.24	3.71	4.17	4.74	5.30	5.84	6.38	6.90	7.51	8.11	8.68	9.33	9.95	10.63	11.42	
4600	1.97	2.48	2.85	3.34	3.82	4.30	4.89	5.46	6.02	6.57	7.10	7.73	8.33	8.92	9.57	10.20	10.87	11.66	
4800	2.02	2.54	2.92	3.43	3.93	4.42	5.02	5.61	6.19	6.75	7.30	7.93	8.55	9.14	9.80	10.43	11.10	11.87	
5000	2.06	2.60	3.00	3.52	4.03	4.54	5.16	5.76	6.35	6.92	7.48	8.13	8.75	9.35	10.01	10.63	11.30	12.05	
5200	2.10	2.66	3.06	3.60	4.13	4.65	5.28	5.90	6.50	7.09	7.65	8.31	8.94	9.53	10.20	10.81	11.47	12.20	40
5400	2.14	2.71	3.13	3.68	4.22	4.76	5.40	6.03	6.65	7.24	7.81	8.48	9.11	9.71	10.36	10.97	11.61	12.31	
5600	2.17	2.76	3.19	3.76	4.31	4.86	5.52	6.16	6.78	7.38	7.96	8.63	9.26	9.86	10.51	11.11	11.73	12.40	
5800	2.21	2.81	3.25	3.83	4.40	4.95	5.63	6.28	6.91	7.52	8.10	8.77	9.40	10.00	10.64	11.22	11.82	12.44	
6000	2.24	2.85	3.30	3.90	4.48	5.04	5.73	6.39	7.03	7.64	8.23	8.90	9.53	10.11	10.74	11.31	11.87	12.45	

Power Ratings - XPB CRE Wedge Belts

Rev/ min of faster shaft	Rated Power (kW) Per Belt for Small Pulley Pitch Dia (mm)																		Belt Speed m/s
	112	118	125	132	140	150	160	170	180	190	200	212	224	236	250	285	290	300	315	
100	0.51	0.57	0.64	0.71	0.79	0.89	0.99	1.09	1.18	1.28	1.38	1.49	1.61	1.72	1.85	1.99	2.14	2.32	2.46	
500	1.97	2.24	2.55	2.86	3.21	3.65	4.08	4.51	4.94	5.37	5.80	6.31	6.81	7.32	7.90	8.52	9.14	9.96	10.57	
720	**2.64**	**3.01**	**3.45**	**3.88**	**4.37**	**4.98**	**5.58**	**6.19**	**6.78**	**7.38**	**7.97**	**8.67**	**9.37**	**10.07**	**10.88**	**11.73**	**12.58**	**13.71**	**14.54**	
800	2.87	3.28	3.76	4.23	4.77	5.44	6.11	6.77	7.42	8.08	8.73	9.50	10.27	11.03	11.91	12.85	13.78	15.01	15.92	
900	3.14	3.60	4.13	4.66	5.26	6.00	6.74	7.48	8.21	8.93	9.65	10.51	11.36	12.20	13.18	14.21	15.23	16.58	17.58	
960	**3.30**	**3.79**	**4.35**	**4.91**	**5.55**	**6.34**	**7.12**	**7.90**	**8.67**	**9.43**	**10.19**	**11.10**	**12.00**	**12.89**	**13.92**	**15.01**	**16.09**	**17.50**	**18.55**	
1000	3.41	3.91		5.08	5.74	6.55	7.37	8.17	8.97	9.76	10.55	11.49	12.42	13.34	14.40	15.53	16.64	18.11	19.19	
1100	3.67	4.21	4.85	5.48	6.20	7.09	7.97	8.85	9.71	10.58	11.43	12.44	13.45	14.45	15.59	16.81	18.00	19.58	20.73	
1200	3.91	4.51	5.19	5.87	6.65	7.61	8.56	9.50	10.44	11.37	12.28	13.37	14.45	15.52	16.75	18.04	19.32	20.99	22.22	
1300	4.15	4.79	5.53	6.26	7.09	8.12	9.14	10.15	11.14	12.13	13.11	14.28	15.42	16.56	17.86	19.23	20.58	22.34	23.63	
1400	4.38	5.06	5.85	6.63	7.52	8.61	9.70	10.77	11.83	12.88	13.92	15.15	16.37	17.56	18.94	20.38	21.80	23.64	24.98	
1440	**4.47**	**5.17**	**5.98**	**6.78**	**7.68**	**8.81**	**9.92**	**11.01**	**12.10**	**13.18**	**14.24**	**15.49**	**16.73**	**17.95**	**19.35**	**20.83**	**22.27**	**24.14**	**25.50**	
1500	4.61	5.33	6.16	6.99	7.93	9.09	10.24	11.38	12.50	13.61	14.70	16.00	17.28	18.53	19.97	21.48	22.96	24.87	26.26	
1600	4.82	5.59	6.47	7.34	8.34	9.56	10.77	11.97	13.15	14.31	15.46	16.82	18.16	19.47	20.97	22.53	24.06	26.03	27.46	
1700	5.03	5.84	6.76	7.69	8.73	10.02	11.29	12.54	13.78	15.00	16.20	17.61	19.00	20.36	21.92	23.54	25.11	27.13	28.58	
1800	5.23	6.08	7.05	8.02	9.11	10.46	11.79	13.10	14.39	15.66	16.90	18.38	19.82	21.22	22.83	24.49	26.10	28.16	29.63	
1900	5.43	6.31	7.33	8.34	9.48	10.89	12.27	13.63	14.97	16.29	17.59	19.11	20.59	22.04	23.69	25.39	27.03	29.11	30.59	30
2000	5.61	6.53	7.60	8.65	9.84	11.30	12.74	14.15	15.54	16.91	18.24	19.81	21.34	22.82	24.50	26.23	27.89	29.98	31.46	
2100	5.79	6.75	7.86	8.95	10.18	11.70	13.19	14.66	16.09	17.50	18.87	20.48	22.05	23.56	25.27	27.02	28.69	30.78	32.24	
2200	5.96	6.96	8.11	9.24	10.52	12.09	13.63	15.14	16.62	18.06	19.47	21.12	22.72	24.26	25.99	27.75	29.42	31.49	32.93	
2300	6.13	7.16	8.35	9.52	10.84	12.46	14.05	15.60	17.12	18.60	20.04	21.72	23.35	24.91	26.65	28.42	30.08	32.12	33.52	
2400	6.28	7.35	8.58	9.79	11.15	12.82	14.45	16.05	17.60	19.12	20.59	22.30	23.94	25.51	27.26	29.02	30.67	32.66	34.00	
2500	6.43	7.53	8.80	10.05	11.45	13.17	14.84	16.47	18.06	19.60	21.10	22.83	24.49	26.07	27.82	29.56	31.18	33.11	34.38	40
2600	6.58	7.71	9.01	10.29	11.73	13.49	15.21	16.88	18.50	20.06	21.58	23.33	25.00	26.58	28.32	30.04	31.61	33.46	34.65	
2700	6.71	7.88	9.21	10.53	12.01	13.81	15.56	17.26	18.91	20.50	22.03	23.79	25.46	27.04	28.76	30.44	31.96	33.71	34.81	
2800	6.84	8.03	9.41	10.76	12.27	14.11	15.89	17.62	19.29	20.90	22.45	24.21	25.88	27.45	29.13	30.77	32.23	33.86	34.85	
2880	**6.93**	**8.15**	**9.55**	**10.93**	**12.47**	**14.34**	**16.15**	**17.90**	**19.58**	**21.20**	**22.76**	**24.52**	**26.18**	**27.73**	**29.39**	**30.99**	**32.38**	**33.91**	**34.80**	
2900	6.96	8.18	9.59	10.97	12.51	14.39	16.21	17.96	19.65	21.28	22.83	24.60	26.26	27.80	29.45	31.03	32.41	33.91	34.77	
3000	7.07	8.32	9.76	11.17	12.75	14.66	16.50	18.28	19.99	21.62	23.18	24.94	26.58	28.10	29.70	31.22	32.50	33.85	34.57	
3200	7.27	8.58	10.08	11.54	13.17	15.14	17.04	18.85	20.58	22.22	23.77	25.50	27.09	28.53	30.01	31.35	32.41	33.39	33.78	
3400	7.43	8.79	10.35	11.86	13.54	15.56	17.49	19.32	21.06	22.69	24.21	25.88	27.39	28.72	29.89	31.15	31.94	32.46	32.44	
3600	7.56	8.97	10.57	12.13	13.85	15.90	17.85	19.69	21.42	23.02	24.49	26.09	27.48	28.66	29.77	30.60	31.05	31.04	30.53	
3800	7.66	9.11	10.76	12.35	14.09	16.18	18.13	19.96	21.66	23.21	24.61	26.09	27.34	28.34	29.19	29.69	29.74	29.09	28.01	
4000	7.73	9.21	10.89	12.51	14.28	16.37	18.32	20.12	21.77	23.25	24.56	25.90	26.97	27.75	28.29	28.39	27.98	26.58	24.86	
4200	7.75	9.27	10.98	12.61	14.40	16.49	18.41	20.17	21.75	23.14	24.34	25.50	26.35	26.87	27.05	26.69	25.75	23.50	21.05	
4400	7.74	9.28	11.01	12.66	14.45	16.52	18.41	20.10	21.59	22.87	23.92	24.87	25.47	25.69	25.45	24.58	23.02	19.82	16.53	
4600	7.69	9.25	11.00	12.65	14.43	16.47	18.30	19.91	21.29	22.43	23.31	24.02	24.32	24.20	23.49	22.02	19.77	15.50	11.29	
4800	7.60	9.18	10.93	12.57	14.33	16.32	18.08	19.59	20.84	21.82	22.50	22.93	22.89	22.38	21.14	19.00	15.99	10.53	5.28	
5000	7.47	9.05	10.80	12.44	14.16	16.09	17.76	19.14	20.24	21.02	21.48	21.59	21.17	20.22	18.39	15.51	11.65	4.87	-1.52	

Power Ratings - CRE PLUS Cogged Raw Edge Wedge Belts

Power Ratings - XPA CRE Wedge Belts

Rev/ min of faster shaft	Rated Power (kW) Per Belt for Small Pulley Pitch Dia (mm)																			Belt Speed m/s
	80	85	90	95	100	106	112	118	125	132	140	150	160	170	180	190	200	212	224	
100	0.22	0.25	0.28	0.32	0.35	0.39	0.43	0.47	0.52	0.57	0.62	0.69	0.75	0.82	0.88	0.95	1.01	1.09	1.17	
500	0.81	0.96	1.11	1.27	1.42	1.60	1.78	1.96	2.17	2.38	2.62	2.91	3.21	3.50	3.79	4.08	4.37	4.71	5.05	
720	**1.07**	**1.29**	**1.50**	**1.72**	**1.93**	**2.18**	**2.44**	**2.69**	**2.98**	**3.27**	**3.61**	**4.02**	**4.43**	**4.83**	**5.24**	**5.64**	**6.04**	**6.52**	**6.99**	
960	**1.33**	**1.61**	**1.89**	**2.17**	**2.45**	**2.78**	**3.11**	**3.44**	**3.82**	**4.20**	**4.63**	**5.16**	**5.69**	**6.22**	**6.74**	**7.26**	**7.78**	**8.39**	**9.00**	
1000	1.37	1.67	1.96	2.25	2.53	2.88	3.22	3.56	3.96	4.35	4.79	5.35	5.90	6.44	6.98	7.52	8.05	8.69	9.32	
1100	1.47	1.79	2.11	2.43	2.74	3.11	3.49	3.86	4.29	4.72	5.20	5.80	6.40	6.99	7.58	8.16	8.74	9.43	10.11	
1200	1.57	1.92	2.26	2.60	2.94	3.35	3.75	4.15	4.61	5.08	5.60	6.25	6.90	7.53	8.17	8.79	9.42	10.15	10.88	
1300	1.66	2.04	2.40	2.77	3.14	3.57	4.01	4.44	4.93	5.43	5.99	6.69	7.38	8.06	8.74	9.41	10.07	10.86	11.63	
1400	1.75	2.15	2.55	2.94	3.33	3.79	4.26	4.72	5.25	5.78	6.38	7.12	7.85	8.58	9.30	10.01	10.71	11.54	12.36	
1440	**1.79**	**2.20**	**2.60**	**3.00**	**3.40**	**3.88**	**4.35**	**4.83**	**5.37**	**5.91**	**6.53**	**7.29**	**8.04**	**8.78**	**9.52**	**10.24**	**10.96**	**11.81**	**12.65**	
1500	1.84	2.26	2.68	3.10	3.52	4.01	4.50	4.99	5.56	6.12	6.75	7.54	8.32	9.08	9.84	10.59	11.33	12.21	13.07	
1600	1.92	2.37	2.82	3.26	3.70	4.22	4.74	5.26	5.86	6.45	7.12	7.95	8.77	9.58	10.38	11.16	11.94	12.86	13.76	
1700	2.01	2.48	2.95	3.41	3.88	4.43	4.98	5.52	6.15	6.77	7.48	8.35	9.21	10.06	10.89	11.72	12.53	13.48	14.42	
1800	2.08	2.58	3.07	3.57	4.05	4.63	5.21	5.78	6.44	7.09	7.83	8.74	9.64	10.53	11.40	12.26	13.10	14.09	15.06	
1900	2.16	2.68	3.20	3.71	4.22	4.83	5.43	6.03	6.72	7.40	8.18	9.13	10.06	10.98	11.89	12.78	13.65	14.68	15.68	
2000	2.23	2.78	3.32	3.86	4.39	5.02	5.65	6.28	7.00	7.71	8.51	9.50	10.47	11.43	12.37	13.29	14.19	15.24	16.27	
2100	2.30	2.87	3.44	4.00	4.55	5.21	5.87	6.52	7.27	8.01	8.84	9.87	10.87	11.86	12.83	13.77	14.70	15.78	16.83	
2200	2.37	2.96	3.55	4.13	4.71	5.40	6.08	6.75	7.53	8.30	9.16	10.22	11.26	12.28	13.27	14.25	15.19	16.30	17.37	
2300	2.44	3.05	3.66	4.27	4.87	5.58	6.28	6.98	7.79	8.58	9.47	10.57	11.64	12.68	13.70	14.70	15.67	16.79	17.88	
2400	2.50	3.14	3.77	4.40	5.02	5.76	6.48	7.21	8.04	8.85	9.77	10.90	12.00	13.07	14.12	15.14	16.12	17.26	18.36	
2500	2.56	3.22	3.87	4.52	5.16	5.93	6.68	7.42	8.28	9.12	10.07	11.22	12.35	13.45	14.52	15.55	16.55	17.71	18.81	30
2600	2.61	3.30	3.97	4.64	5.31	6.09	6.87	7.63	8.52	9.38	10.35	11.54	12.69	13.81	14.90	15.95	16.96	18.12	19.23	
2700	2.67	3.37	4.07	4.76	5.45	6.25	7.05	7.84	8.75	9.63	10.63	11.84	13.02	14.16	15.26	16.33	17.35	18.52	19.62	
2800	2.72	3.45	4.17	4.88	5.58	6.41	7.23	8.04	8.97	9.88	10.90	12.13	13.33	14.49	15.61	16.68	17.71	18.88	19.98	
2880	**2.76**	**3.50**	**4.24**	**4.97**	**5.68**	**6.53**	**7.37**	**8.20**	**9.14**	**10.07**	**11.10**	**12.36**	**13.58**	**14.75**	**15.87**	**16.95**	**17.98**	**19.15**	**20.24**	
3000	2.82	3.59	4.35	5.10	5.84	6.71	7.57	8.42	9.39	10.34	11.40	12.69	13.92	15.11	16.25	17.33	18.36	19.52	20.59	
3200	2.90	3.71	4.51	5.30	6.08	6.99	7.89	8.78	9.79	10.77	11.87	13.19	14.45	15.66	16.81	17.89	18.91	20.04	21.07	
3400	2.98	3.83	4.66	5.49	6.30	7.25	8.19	9.11	10.15	11.17	12.29	13.64	14.93	16.15	17.29	18.36	19.35	20.43	21.39	40
3600	3.05	3.93	4.80	5.66	6.50	7.49	8.46	9.41	10.49	11.53	12.68	14.05	15.34	16.56	17.69	18.73	19.68	20.69	21.56	
3800	3.10	4.02	4.93	5.82	6.69	7.71	8.71	9.69	10.79	11.85	13.02	14.40	15.69	16.89	18.00	19.00	19.89	20.81	21.57	
4000	3.14	4.10	5.04	5.96	6.86	7.91	8.94	9.93	11.05	12.13	13.31	14.70	15.98	17.15	18.21	19.16	19.98	20.79	21.40	
4200	3.18	4.16	5.13	6.08	7.00	8.09	9.13	10.15	11.29	12.38	13.56	14.93	16.19	17.33	18.34	19.21	19.93	20.61	21.06	
4400	3.20	4.22	5.21	6.18	7.13	8.24	9.30	10.33	11.48	12.58	13.76	15.11	16.34	17.42	18.36	19.14	19.75	20.27	20.52	
4600	3.21	4.25	5.28	6.27	7.24	8.36	9.45	10.49	11.64	12.74	13.90	15.23	16.41	17.42	18.27	18.95	19.43	19.76	19.80	
4800	3.21	4.28	5.32	6.34	7.33	8.47	9.56	10.61	11.76	12.85	13.99	15.28	16.40	17.34	18.08	18.63	18.97	19.08	18.86	
5000	3.19	4.29	5.36	6.39	7.39	8.54	9.65	10.69	11.84	12.91	14.03	15.27	16.31	17.15	17.78	18.18	18.35	18.22	17.72	
5200	3.16	4.28	5.37	6.42	7.43	8.60	9.70	10.75	11.88	12.93	14.01	15.19	16.14	16.87	17.36	17.60	17.57	17.17	16.35	
5400	3.12	4.27	5.37	6.43	7.45	8.62	9.72	10.76	11.88	12.90	13.94	15.03	15.88	16.49	16.82	16.87	16.63	15.93	14.76	
5600	3.07	4.23	5.35	6.42	7.45	8.62	9.72	10.74	11.83	12.82	13.80	14.80	15.54	15.99	16.15	16.00	15.52	14.48	12.93	
5800	3.01	4.18	5.31	6.39	7.42	8.59	9.67	10.68	11.74	12.68	13.60	14.50	15.10	15.39	15.36	14.98	14.23	12.83	10.85	
6000	2.93	4.12	5.25	6.34	7.37	8.52	9.60	10.58	11.60	12.49	13.34	14.12	14.57	14.68	14.43	13.80	12.76	10.96	8.52	

Power Ratings - XPC CRE Wedge Belts

Rev/ min of faster shaft	Rated Power (kW) Per Belt for Small Pulley Pitch Dia (mm)																			Belt Speed m/s
	200	212	224	236	250	265	280	300	315	335	355	375	400	425	450	475	500	530	560	
100	1.75	1.97	2.20	2.43	2.69	2.98	3.26	3.63	3.91	4.28	4.65	5.02	5.47	5.93	6.38	6.83	7.28	7.82	8.36	
500	6.71	7.73	8.74	9.75	10.92	12.16	13.40	15.04	16.27	17.89	19.49	21.09	23.07	25.03	26.98	28.90	30.81	33.07	35.31	
720	**8.95**	**10.36**	**11.77**	**13.16**	**14.78**	**16.50**	**18.21**	**20.46**	**22.14**	**24.35**	**26.54**	**28.71**	**31.38**	**34.02**	**36.61**	**39.16**	**41.68**	**44.64**	**47.53**	
800	9.70	11.25	12.79	14.32	16.10	17.98	19.85	22.31	24.14	26.55	28.93	31.28	34.18	37.02	39.82	42.56	45.25	48.40	51.48	
900	10.60	12.32	14.02	15.72	17.68	19.76	21.81	24.52	26.53	29.18	31.78	34.35	37.49	40.58	43.59	46.53	49.40	52.75	55.99	
960	**11.11**	**12.93**	**14.73**	**16.52**	**18.59**	**20.78**	**22.95**	**25.80**	**27.91**	**30.69**	**33.42**	**36.10**	**39.38**	**42.59**	**45.72**	**48.76**	**51.72**	**55.16**	**58.46**	
1000	11.45	13.33	15.20	17.05	19.19	21.45	23.69	26.63	28.81	31.67	34.47	37.23	40.60	43.88	47.08	50.18	53.19	56.67	60.00	30
1100	12.25	14.29	16.31	18.31	20.62	23.06	25.47	28.63	30.96	34.02	37.01	39.93	43.49	46.94	50.27	53.49	56.58	60.12	63.47	
1200	13.01	15.20	17.37	19.51	21.98	24.59	27.16	30.52	32.99	36.22	39.37	42.43	46.14	49.72	53.15	56.43	59.55	63.08	66.37	
1300	13.72	16.06	18.37	20.65	23.27	26.03	28.75	32.29	34.89	38.26	41.55	44.72	48.55	52.21	55.68	58.97	62.07	65.51	68.65	40
1400	14.39	16.87	19.31	21.72	24.48	27.39	30.23	33.94	36.64	40.15	43.54	46.80	50.70	54.39	57.86	61.10	64.10	67.37		
1440	**14.64**	**17.17**	**19.67**	**22.12**	**24.94**	**27.90**	**30.80**	**34.56**	**37.30**	**40.85**	**44.28**	**47.57**	**51.48**	**55.17**	**58.63**	**61.83**	**64.77**	**67.95**		
1500	15.01	17.62	20.19	22.71	25.61	28.64	31.61	35.46	38.25	41.86	45.33	48.65	52.58	56.25	59.66	62.79	65.62			
1600	15.58	18.31	21.00	23.64	26.65	29.81	32.88	36.84	39.71	43.40	46.91	50.25	54.16	57.77	61.05	64.01				
1700	16.10	18.95	21.75	24.49	27.61	30.87	34.03	38.09	41.02	44.75	48.28	51.60	55.44	58.92	62.03					
1800	16.57	19.53	22.43	25.26	28.48	31.83	35.07	39.20	42.16	45.90	49.42	52.68	56.40	59.70						
1900	16.99	20.05	23.04	25.96	29.26	32.68	35.97	40.15	43.12	46.86	50.32	53.49	57.03							
2000	17.35	20.51	23.58	26.57	29.94	33.42	36.75	40.95	43.91	47.60	50.96	54.00								
2100	17.66	20.90	24.05	27.10	30.53	34.05	37.40	41.59	44.51	48.11	51.35									
2200	17.92	21.23	24.44	27.54	31.01	34.55	37.90	42.06	44.92	48.40										
2300	18.11	21.49	24.75	27.89	31.39	34.93	38.26	42.35	45.13											
2400	18.25	21.68	24.98	28.15	31.65	35.19	38.47	42.46	45.13											
2500	18.32	21.80	25.13	28.31	31.81	35.31	38.53	42.38												
2600	18.33	21.84	25.19	28.37	31.85	35.29	38.43													
2700	18.28	21.81	25.16	28.33	31.76	35.13	38.16													
2800	18.16	21.70	25.05	28.18	31.56	34.82														
2880	**18.01**	**21.56**	**24.88**	**27.98**	**31.30**	**34.47**														
2900	17.97	21.51	24.83	27.92	31.22															
3000	17.71	21.24	24.53	27.56	30.76															

Only Fenner pulleys should be used for belt speeds between 30 and 40 m/s. For belt speeds greather than 40 m/sec consult your authorised distributor.
Use the additional power per belt for speed ratio from pages 58 & 59

Power Ratings - SPZ & SPB Wedge Belts

Power Ratings - SPZ Wedge Belts

Rev/min of faster shaft	Rated Power (kW) Per Belt for Small Pulley Pitch Dia (mm)												Belt Speed m/s
	63	67	71	75	80	85	90	95	100	112	125	140	
100	0.13	0.14	0.15	0.16	0.19	0.21	0.23	0.25	0.27	0.31	0.36	0.41	
500	0.46	0.53	0.60	0.68	0.75	0.84	0.91	1.00	1.07	1.26	1.47	1.71	
720	**0.62**	**0.71**	**0.80**	**0.90**	**1.00**	**1.14**	**1.22**	**1.37**	**1.44**	**1.71**	**1.99**	**2.31**	
800	0.69	0.79	0.89	1.00	1.12	1.26	1.38	1.53	1.63	1.92	2.24	2.60	10
960	**0.79**	**0.91**	**1.03**	**1.16**	**1.30**	**1.47**	**1.60**	**1.77**	**1.89**	**2.24**	**2.61**	**3.03**	
1100	0.89	1.02	1.16	1.29	1.47	1.65	1.81	1.99	2.14	2.53	2.96	3.44	
1200	0.96	1.10	1.26	1.39	1.59	1.77	1.95	2.15	2.32	2.74	3.20	3.72	
1300	0.99	1.15	1.31	1.48	1.68	1.88	2.09	2.30	2.50	2.96	3.50	4.05	
1400	1.07	1.23	1.42	1.60	1.80	2.01	2.23	2.47	2.65	3.14	3.68	4.27	
1450	**1.12**	**1.27**	**1.47**	**1.66**	**1.86**	**2.08**	**2.30**	**2.55**	**2.73**	**3.23**	**3.77**	**4.38**	
1500	1.15	1.31	1.51	1.70	1.92	2.15	2.36	2.63	2.80	3.33	3.88	4.51	
1600	1.21	1.38	1.59	1.79	2.03	2.29	2.50	2.79	2.96	3.52	4.10	4.77	
1700	1.27	1.46	1.67	1.88	2.13	2.39	2.63	2.91	3.12	3.70	4.32	5.02	
1800	1.32	1.53	1.75	1.96	2.23	2.49	2.76	3.03	3.27	3.88	4.53	5.26	20
1900	1.38	1.59	1.83	2.04	2.33	2.62	2.88	3.19	3.42	4.06	4.74	5.50	
2000	1.44	1.64	1.91	2.12	2.43	2.74	3.01	3.34	3.57	4.24	4.94	5.74	
2200	1.54	1.76	2.06	2.28	2.63	2.97	3.25	3.60	3.86	4.57	5.33	6.18	
2400	1.65	1.89	2.20	2.45	2.82	3.20	3.49	3.85	4.14	4.91	5.72	6.62	
2500	1.70	1.95	2.28	2.53	2.91	3.31	3.60	3.98	4.28	5.08	5.91	6.84	
2600	1.75	2.01	2.34	2.62	3.00	3.39	3.72	4.10	4.41	5.23	6.09	7.04	
2700	1.80	2.07	2.41	2.71	3.09	3.47	3.83	4.21	4.55	5.38	6.26	7.24	
2800	1.85	2.13	2.48	2.80	3.18	3.55	3.94	4.33	4.68	5.54	6.44	7.43	
2850	**1.87**	**2.16**	**2.51**	**2.85**	**3.22**	**3.59**	**3.99**	**4.39**	**4.74**	**5.62**	**6.53**	**7.53**	
2900	1.89	2.19	2.55	2.88	3.26	3.63	4.04	4.44	4.80	5.69	6.61	7.62	
3000	1.94	2.24	2.61	2.94	3.35	3.72	4.14	4.55	4.92	5.82	6.76	7.79	30
3200	2.03	2.34	2.73	3.06	3.51	3.89	4.35	4.76	5.16	6.10	7.07	8.12	
3400	2.11	2.44	2.86	3.18	3.67	4.06	4.55	4.97	5.40	6.37	7.38	8.46	
3500	2.16	2.49	2.92	3.24	3.75	4.14	4.65	5.07	5.52	6.51	7.53	8.63	
3600	2.20	2.53	2.97	3.32	3.83	4.24	4.74	5.18	5.62	6.63	7.66	8.76	
3800	2.27	2.62	3.08	3.47	3.97	4.45	4.92	5.39	5.83	6.86	7.91	9.02	
4000	2.35	2.70	3.20	3.63	4.11	4.65	5.10	5.61	6.03	7.10	8.17	9.28	
4200	2.41	2.79	3.29	3.73	4.23	4.78	5.24	5.77	6.20	7.27	8.34	9.43	
4400	2.48	2.88	3.38	3.83	4.35	4.91	5.38	5.93	6.36	7.44	8.51	9.58	
4600	2.54	2.97	3.47	3.92	4.47	5.04	5.53	6.10	6.52	7.61	8.68	9.73	
4800	2.60	3.06	3.56	4.02	4.59	5.17	5.67	6.26	6.68	7.79	8.85	9.88	40
5000	2.67	3.15	3.65	4.12	4.71	5.30	5.82	6.42	6.84	7.96	9.02	10.03	
5200	2.71	3.19	3.72	4.19	4.79	5.41	5.91	6.54	6.94	8.04	9.06		
5400	2.75	3.22	3.78	4.27	4.87	5.51	6.00	6.66	7.03	8.12	9.11		
5600	2.79	3.26	3.84	4.34	4.96	5.62	6.09	6.78	7.12	8.20	9.15		
5800	2.83	3.29	3.91	4.42	5.04	5.72	6.19	6.90	7.22	8.28	9.20		
6000	2.88	3.33	3.97	4.49	5.12	5.83	6.28	7.02	7.31	8.36	9.24		

Power Ratings - SPB Wedge Belts

Rev/min of faster shaft	Rated Power (kW) Per Belt for Small Pulley Pitch Dia (mm)													Belt Speed m/s
	140	150	160	170	180	190	200	212	224	236	250	280	315	
100	0.74	0.82	0.93	1.02	1.12	1.20	1.30	1.42	1.53	1.63	1.77	2.04	2.36	
200	1.36	1.51	1.73	1.89	2.08	2.24	2.44	2.65	2.86	3.08	3.32	3.84	4.44	
300	1.91	2.14	2.44	2.67	2.96	3.18	3.47	3.80	4.08	4.42	4.73	5.48	6.34	
400	2.44	2.74	3.12	3.43	3.79	4.10	4.45	4.87	5.24	5.65	6.09	7.05	8.16	10
500	3.02	3.39	3.86	4.24	4.70	5.06	5.52	6.09	6.51	7.11	7.56	8.76	10.15	
600	3.51	3.98	4.51	4.97	5.49	5.96	6.47	7.09	7.62	8.22	8.79	10.19	11.78	
700	4.01	4.56	5.16	5.69	6.29	6.86	7.41	8.09	8.74	9.32	10.16	11.77	13.62	
720	**4.11**	**4.67**	**5.28**	**5.84**	**6.45**	**7.02**	**7.59**	**8.30**	**8.96**	**9.57**	**10.41**	**12.06**	**13.95**	
800	4.48	5.12	5.78	6.44	7.06	7.67	8.32	9.13	9.81	10.56	11.40	13.20	15.26	
900	4.91	5.55	6.34	7.00	7.75	8.45	9.14	9.96	10.78	11.57	12.52	14.49	16.73	20
960	**5.17**	**5.80**	**6.68**	**7.33**	**8.17**	**8.91**	**9.63**	**10.45**	**11.36**	**12.18**	**13.19**	**15.26**	**17.61**	
1000	5.35	6.03	6.92	7.63	8.46	9.22	9.97	10.83	11.76	12.62	13.66	15.79	18.20	
1100	5.80	6.61	7.51	8.37	9.18	10.00	10.83	11.79	12.77	13.71	14.82	17.11	19.69	
1200	6.25	7.18	8.10	9.11	9.91	10.77	11.69	12.75	13.78	14.80	15.98	18.43	21.18	
1300	6.65	7.66	8.62	9.65	10.56	11.53	12.45	13.56	14.66	15.72	16.98	19.56	22.42	
1400	7.05	8.13	9.15	10.19	11.21	12.29	13.21	14.37	15.55	16.65	17.99	20.69	23.66	
1450	**7.25**	**8.37**	**9.41**	**10.46**	**11.53**	**12.67**	**13.59**	**14.78**	**15.99**	**17.11**	**18.50**	**21.26**	**24.29**	
1500	7.43	8.58	9.66	10.76	11.83	12.95	13.95	15.18	16.40	17.56	18.95	21.76	24.82	30
1600	7.81	9.01	10.16	11.36	12.44	13.50	14.65	15.99	17.22	18.46	19.87	22.77	25.90	
1700	8.16	9.42	10.62	11.86	13.01	14.15	15.31	16.69	17.97	19.25	20.70	23.66	26.82	
1800	8.52	9.82	11.09	12.35	13.58	14.79	15.97	17.39	18.72	20.03	21.53	24.55	27.73	
1900	8.85	10.21	11.52	12.84	14.10	15.37	16.57	18.01	19.40	20.73	22.26	25.30	28.45	
2000	9.18	10.60	11.96	13.33	14.62	15.94	17.17	18.63	20.07	21.43	22.99	26.05	29.17	
2200	9.75	11.24	12.70	14.14	15.50	16.87	18.15	19.61	21.11	22.45	24.03	26.98	29.82	
2400	10.31	11.89	13.43	14.95	16.38	17.80	19.13	20.60	22.16	23.48	25.07	27.92	30.47	40
2500	10.60	12.21	13.80	15.35	16.81	18.26	19.62	21.09	22.68	23.99	25.59	28.38	30.80	
2600	10.82	12.48	14.09	15.63	17.14	18.57	19.95	21.42	22.99	24.34	25.83	28.46		
2700	11.05	12.75	14.37	15.92	17.46	18.87	20.29	21.74	23.31	24.70	26.07	28.54		
2800	11.27	13.02	14.66	16.20	17.79	19.18	20.63	22.07	23.62	25.05	26.31	28.62		
2850	**11.38**	**13.15**	**14.80**	**16.34**	**17.95**	**19.33**	**20.79**	**22.23**	**23.78**	**25.23**	**26.43**	**28.66**		

Power Ratings - SPA & SPC Wedge Belts

Power Ratings - SPA Wedge Belts

Rev/min of faster shaft	Rated Power (kW) Per Belt for Small Pulley Pitch Dia (mm)													Belt Speed m/s
	90	95	100	106	112	118	125	132	140	150	160	180	200	
100	0.27	0.30	0.33	0.37	0.41	0.44	0.48	0.53	0.57	0.66	0.69	0.80	0.92	
200	0.50	0.54	0.61	0.68	0.75	0.82	0.90	1.00	1.07	1.23	1.29	1.51	1.73	
300	0.69	0.76	0.86	0.94	1.06	1.15	1.27	1.41	1.52	1.73	1.84	2.16	2.48	
400	0.87	0.95	1.08	1.19	1.34	1.47	1.62	1.80	1.93	2.20	2.35	2.76	3.16	
500	1.08	1.20	1.35	1.47	1.68	1.82	2.02	2.22	2.42	2.72	2.94	3.46	3.97	
600	1.26	1.36	1.58	1.72	1.96	2.13	2.36	2.59	2.83	3.19	3.45	4.05	4.65	
720	**1.43**	**1.57**	**1.80**	**2.00**	**2.24**	**2.48**	**2.71**	**3.04**	**3.25**	**3.70**	**3.96**	**4.66**	**5.35**	
800	1.60	1.68	2.02	2.21	2.51	2.74	3.05	3.33	3.65	4.14	4.45	5.24	6.02	10
900	1.76	1.87	2.22	2.44	2.77	3.02	3.36	3.67	4.04	4.56	4.92	5.79	6.65	
960	**1.84**	**2.09**	**2.33**	**2.61**	**2.91**	**3.17**	**3.53**	**3.85**	**4.24**	**4.72**	**5.17**	**6.09**	**7.00**	
1100	2.05	2.31	2.61	2.92	3.26	3.53	3.96	4.30	4.76	5.33	5.81	6.84	7.85	
1200	2.22	2.43	2.83	3.11	3.54	3.85	4.31	4.70	5.18	5.80	6.32	7.44	8.54	
1300	2.36	2.60	3.01	3.33	3.78	4.11	4.60	5.02	5.53	6.19	6.75	7.94	9.11	
1400	2.50	2.78	3.19	3.55	4.01	4.37	4.89	5.34	5.88	6.58	7.18	8.44	9.68	
1450	**2.58**	**2.85**	**3.29**	**3.70**	**4.14**	**4.44**	**5.04**	**5.44**	**6.07**	**6.87**	**7.41**	**8.72**	**9.99**	
1500	2.65	2.92	3.38	3.80	4.25	4.57	5.18	5.60	6.24	7.05	7.61	8.95	10.26	
1600	2.78	3.12	3.56	3.98	4.48	4.89	5.47	5.97	6.58	7.35	8.03	9.44	10.81	
1700	2.91	3.27	3.73	4.17	4.70	5.10	5.73	6.28	6.90	7.76	8.42	9.89	11.32	
1800	3.04	3.33	3.91	4.38	4.93	5.38	6.01	6.57	7.24	8.14	8.83	10.37	11.85	20
1900	3.16	3.48	4.06	4.56	5.13	5.60	6.26	6.83	7.53	8.46	9.18	10.77	12.29	
2000	3.29	3.71	4.24	4.74	5.35	5.73	6.53	7.19	7.86	9.00	9.58	11.24	12.82	
2200	3.51	3.97	4.53	5.07	5.72	6.13	6.99	7.67	8.41	9.56	10.22	11.95	13.58	
2400	3.72	4.23	4.82	5.41	6.10	6.54	7.44	8.16	8.95	10.13	10.86	12.66	14.34	
2500	3.86	4.41	5.00	5.61	6.33	6.90	7.73	8.40	9.29	10.40	11.28	13.15	14.90	
2600	3.95	4.53	5.12	5.75	6.48	7.07	7.92	8.60	9.51	10.67	11.53	13.41	15.15	
2800	4.13	4.76	5.36	6.02	6.80	7.41	8.30	9.00	9.95	11.20	12.02	13.92	15.64	
2850	**4.21**	**4.81**	**5.47**	**6.16**	**6.94**	**7.45**	**8.47**	**9.25**	**10.17**	**11.40**	**12.29**	**14.26**	**16.04**	30
2900	4.25	4.85	5.52	6.22	7.00	7.53	8.55	9.33	10.26	11.50	12.39	14.34	15.34	
3000	4.32	4.94	5.63	6.33	7.14	7.68	8.71	9.49	10.43	11.69	12.57	14.52	13.95	
3200	4.48	5.11	5.83	6.56	7.40	7.98	9.02	9.82	10.79	12.08	12.94	14.86	11.16	
3400	4.63	5.28	6.04	6.79	7.67	8.28	9.34	10.14	11.14	12.47	13.32	15.20	8.37	
3500	4.76	5.57	6.22	6.97	7.90	8.60	9.62	10.40	11.49	13.05	13.74	15.71	17.37	
3600	4.90	5.73	6.39	7.17	8.12	8.85	9.90	10.70	11.82	13.42	14.14	16.16	17.86	
3800	4.99	5.76	6.53	7.32	8.30	9.02	10.09	10.91	12.01	13.53	14.28	16.20		
4000	5.09	5.80	6.67	7.48	8.47	9.19	10.29	11.12	12.21	13.64	14.43	16.24		40

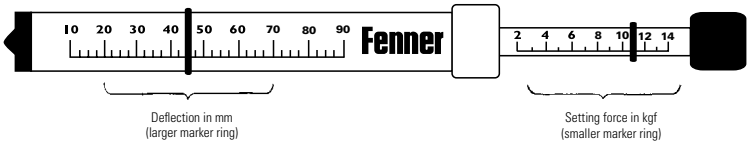
Power Ratings - SPC Wedge Belts

Rev/min of faster shaft	Rated Power (kW) Per Belt for Small Pulley Pitch Dia (mm)																	Belt Speed m/s
	224	236	250	265	280	300	315	335	355	375	400	425	450	475	500	530	560	
100	2.20	2.31	2.64	2.87	3.14	3.47	3.73	4.04	4.39	4.69	5.13	5.53	5.94	6.43	6.75	7.42	7.71	
200	4.06	4.39	4.90	5.36	5.86	6.48	6.98	7.57	8.24	8.82	9.64	10.37	11.18	11.93	12.71	13.79	14.53	10
300	5.71	6.21	6.92	7.58	8.30	9.19	9.89	10.75	11.70	12.51	13.70	14.74	15.88	16.92	18.04	19.39	20.59	
400	7.35	8.02	8.93	9.79	10.74	11.91	12.81	13.92	15.16	16.21	17.75	19.10	20.59	21.91	23.37	24.98	26.64	
500	9.00	9.84	10.95	12.01	13.17	14.62	15.73	17.10	18.62	19.90	21.81	23.47	25.29	26.90	28.70	30.58	32.69	
600	10.47	11.47	12.76	14.00	15.36	16.50	18.35	19.92	21.71	22.72	25.40	27.32	29.41	31.26	33.30	35.44	37.81	20
700	11.94	13.09	14.57	15.99	17.55	18.37	20.98	22.74	24.80	25.53	29.00	31.16	33.53	35.61	37.90	40.30	42.94	
720	**12.22**	**13.39**	**14.91**	**16.37**	**17.97**	**19.04**	**21.47**	**23.28**	**25.38**	**26.35**	**29.67**	**31.87**	**34.28**	**36.39**	**38.73**	**41.16**	**43.83**	
800	13.32	14.60	16.27	17.87	19.61	21.71	23.43	25.45	27.68	29.64	32.32	34.69	37.28	39.53	42.02	44.58	47.42	
900	14.56	15.95	17.79	19.52	21.44	23.72	25.60	27.77	30.20	32.28	35.19	37.70	40.47	42.81	45.46	48.21	51.04	30
960	**15.29**	**16.76**	**18.70**	**20.51**	**22.54**	**24.93**	**26.90**	**29.16**	**31.71**	**33.87**	**36.91**	**39.51**	**42.39**	**44.78**	**47.53**	**50.38**	**53.22**	
1000	15.80	17.32	19.31	21.18	23.27	25.74	27.76	30.08	32.70	34.90	38.00	40.63	43.55	45.96	48.72	51.49	54.37	
1100	17.05	18.70	20.85	22.87	25.11	27.75	29.91	32.39	35.15	37.47	40.72	43.42	46.46	48.89	51.69	54.27	57.24	
1200	18.30	20.09	22.38	24.55	26.95	29.76	32.06	34.69	37.61	40.04	43.44	46.22	49.36	51.83	54.66	57.05	60.10	40
1300	19.40	21.29	23.72	26.00	28.54	31.47	33.89	36.61	39.64	42.11	45.61	48.43	51.55	53.84	56.71	58.85	61.75	
1400	20.42	22.42	24.97	27.35	29.99	33.06	35.54	38.32	41.44	43.92	47.44	50.08	53.26	55.28	58.11	60.48	62.50	
1450	**20.93**	**22.99**	**25.59**	**28.03**	**30.72**	**33.85**	**36.37**	**39.17**	**42.33**	**44.83**	**48.36**	**50.91**	**54.12**	**56.00**	**58.81**	**61.29**	**62.88**	
1500	21.39	23.48	26.15	28.63	31.37	34.53	37.08	39.90	43.07	45.53	49.05	51.51	54.66	56.47	59.09			
1600	22.32	24.46	27.26	29.82	32.66	35.89	38.50	41.35	44.54	46.93	50.43	52.71	55.75	57.42	59.65			
1700	23.17	25.37	28.27	30.89	33.80	37.05	39.72	42.52	45.72	48.00	51.42	53.99	56.29					
1800	23.94	26.20	29.18	31.84	34.81	38.06	40.76	43.41	46.67	48.79	52.06							
1900	24.61	26.91	29.95	32.63	35.63	38.85	41.53	44.03	47.23	50.14	52.17							
2000	25.27	27.62	30.72	33.41	36.44	39.63	42.29	44.65	47.78	51.49	52.27							

Only Fenner pulleys should be used for belt speeds between 30 and 40 m/s. For belt speeds greather than 40 m/sec consult your authorised distributor.
Use the additional power per belt for speed ratio from pages 60 & 61

Fenner Belt Tension Indicator

The high performance and efficiency of Fenner Precision Built belts requires correct tension. We recommend using the Fenner Belt Tension Indicator.



Additional Power Ratings for Speed Ratio

Additional Power Ratings - SPZ, XPZ & QXPZ

Rev/min of faster shaft	Additional Power (kW) per belt for speed ratio									
	1.00 to 1.01	1.02 to 1.05	1.06 to 1.11	1.12 to 1.18	1.19 to 1.26	1.27 to 1.38	1.30 to 1.57	1.58 to 1.94	1.95 to 3.38	3.39 and over
100	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.02	0.02
500	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.08
720	**0.00**	**0.01**	**0.03**	**0.05**	**0.06**	**0.08**	**0.09**	**0.10**	**0.11**	**0.12**
800	0.00	0.01	0.03	0.05	0.07	0.08	0.10	0.11	0.12	0.13
900	0.00	0.01	0.03	0.06	0.08	0.10	0.11	0.13	0.14	0.14
960	**0.00**	**0.01**	**0.04**	**0.06**	**0.08**	**0.10**	**0.12**	**0.13**	**0.15**	**0.15**
1000	0.00	0.01	0.04	0.06	0.09	0.11	0.12	0.14	0.15	0.16
1100	0.00	0.01	0.04	0.07	0.10	0.12	0.14	0.15	0.17	0.18
1200	0.00	0.02	0.04	0.08	0.10	0.13	0.15	0.17	0.18	0.19
1300	0.00	0.02	0.05	0.08	0.11	0.14	0.16	0.18	0.20	0.21
1400	0.00	0.02	0.05	0.09	0.12	0.15	0.17	0.20	0.21	0.23
1440	**0.00**	**0.02**	**0.05**	**0.09**	**0.13**	**0.15**	**0.18**	**0.20**	**0.22**	**0.23**
1500	0.00	0.02	0.05	0.10	0.13	0.16	0.19	0.21	0.23	0.24
1600	0.00	0.02	0.06	0.10	0.14	0.17	0.20	0.22	0.24	0.26
1700	0.00	0.02	0.06	0.11	0.15	0.18	0.21	0.24	0.26	0.27
1800	0.00	0.02	0.07	0.12	0.16	0.19	0.22	0.25	0.27	0.29
1900	0.00	0.03	0.07	0.12	0.17	0.20	0.24	0.26	0.29	0.31
2000	0.00	0.03	0.07	0.13	0.17	0.21	0.25	0.28	0.30	0.32
2100	0.00	0.03	0.08	0.13	0.18	0.22	0.26	0.29	0.32	0.34
2200	0.00	0.03	0.08	0.14	0.19	0.23	0.27	0.31	0.33	0.35
2300	0.00	0.03	0.08	0.15	0.20	0.24	0.29	0.32	0.35	0.37
2400	0.00	0.03	0.09	0.15	0.21	0.25	0.30	0.33	0.36	0.39
2500	0.00	0.03	0.09	0.16	0.22	0.26	0.31	0.35	0.38	0.40
2600	0.00	0.04	0.10	0.17	0.23	0.28	0.32	0.36	0.40	0.42
2700	0.00	0.04	0.10	0.17	0.24	0.29	0.33	0.38	0.41	0.43
2800	0.00	0.04	0.10	0.18	0.24	0.30	0.35	0.39	0.43	0.45
2880	**0.00**	**0.04**	**0.11**	**0.18**	**0.25**	**0.30**	**0.36**	**0.40**	**0.44**	**0.45**
2900	0.00	0.04	0.11	0.19	0.25	0.31	0.36	0.40	0.44	0.47
3000	0.00	0.04	0.11	0.19	0.26	0.32	0.37	0.42	0.46	0.48
3100	0.00	0.04	0.11	0.20	0.27	0.33	0.38	0.43	0.47	0.50
3200	0.00	0.04	0.12	0.21	0.28	0.34	0.40	0.45	0.49	0.51
3300	0.00	0.04	0.12	0.21	0.29	0.35	0.41	0.46	0.50	0.53
3400	0.00	0.05	0.13	0.22	0.30	0.36	0.42	0.47	0.52	0.55
3500	0.00	0.05	0.13	0.22	0.31	0.37	0.43	0.49	0.53	0.56
3600	0.00	0.05	0.13	0.23	0.31	0.38	0.45	0.50	0.55	0.58
3700	0.00	0.05	0.14	0.24	0.32	0.39	0.46	0.52	0.56	0.60
3800	0.00	0.05	0.14	0.24	0.33	0.40	0.47	0.53	0.58	0.61
3900	0.00	0.05	0.14	0.25	0.34	0.41	0.48	0.54	0.59	0.63
4000	0.00	0.05	0.15	0.26	0.35	0.42	0.50	0.56	0.61	0.64
4200	0.00	0.06	0.15	0.27	0.37	0.44	0.52	0.59	0.64	0.68
4400	0.00	0.06	0.16	0.28	0.38	0.47	0.55	0.61	0.67	0.71
4600	0.00	0.06	0.17	0.30	0.40	0.49	0.57	0.64	0.70	0.74
4800	0.00	0.06	0.18	0.31	0.42	0.51	0.60	0.67	0.73	0.77
5000	0.00	0.07	0.18	0.32	0.44	0.53	0.62	0.70	0.76	0.80
5200	0.00	0.07	0.19	0.33	0.45	0.55	0.64	0.73	0.79	0.84
5400	0.00	0.07	0.20	0.35	0.47	0.57	0.67	0.75	0.82	0.87
5600	0.00	0.08	0.21	0.36	0.49	0.59	0.69	0.78	0.85	0.90
5800	0.00	0.08	0.21	0.37	0.51	0.61	0.72	0.81	0.88	0.93
6000	0.00	0.08	0.22	0.39	0.52	0.63	0.74	0.84	0.91	0.97

Additional Power Ratings - SPB, XPB, QXPB & USPB

Rev/min of faster shaft	Additional Power (kW) per belt for speed ratio									
	1.00 to 1.01	1.02 to 1.05	1.06 to 1.11	1.12 to 1.18	1.19 to 1.26	1.27 to 1.38	1.30 to 1.57	1.58 to 1.94	1.95 to 3.38	3.39 and over
100	0.00	0.01	0.02	0.04	0.04	0.06	0.07	0.07	0.08	0.08
200	0.00	0.01	0.04	0.07	0.09	0.11	0.13	0.15	0.16	0.17
300	0.00	0.02	0.06	0.10	0.14	0.17	0.20	0.22	0.24	0.25
400	0.00	0.03	0.07	0.13	0.19	0.22	0.26	0.29	0.32	0.34
500	0.00	0.04	0.09	0.17	0.23	0.28	0.33	0.37	0.40	0.43
600	0.00	0.04	0.12	0.20	0.28	0.34	0.40	0.45	0.48	0.51
700	0.00	0.05	0.13	0.24	0.33	0.39	0.46	0.52	0.57	0.59
720	**0.00**	**0.05**	**0.14**	**0.25**	**0.33**	**0.41**	**0.48**	**0.54**	**0.59**	**0.62**
800	0.00	0.06	0.16	0.28	0.37	0.45	0.53	0.60	0.65	0.69
900	0.00	0.07	0.18	0.31	0.42	0.51	0.60	0.66	0.72	0.77
960	**0.00**	**0.07**	**0.19**	**0.32**	**0.44**	**0.54**	**0.62**	**0.70**	**0.77**	**0.81**
1000	0.00	0.07	0.19	0.34	0.46	0.56	0.66	0.74	0.81	0.86
1100	0.00	0.08	0.22	0.37	0.51	0.62	0.72	0.81	0.89	0.94
1200	0.00	0.09	0.23	0.41	0.56	0.68	0.79	0.89	0.97	1.03
1300	0.00	0.09	0.25	0.44	0.60	0.73	0.86	0.96	1.05	1.11
1400	0.00	0.10	0.28	0.48	0.65	0.79	0.93	1.04	1.13	1.20
1440	**0.00**	**0.10**	**0.28**	**0.48**	**0.66**	**0.79**	**0.94**	**1.06**	**1.15**	**1.21**
1500	0.00	0.10	0.29	0.51	0.69	0.84	0.99	1.11	1.21	1.28
1600	0.00	0.11	0.31	0.54	0.75	0.90	1.05	1.19	1.29	1.37
1700	0.00	0.12	0.34	0.58	0.79	0.95	1.12	1.26	1.37	1.45
1800	0.00	0.13	0.35	0.61	0.84	1.01	1.19	1.34	1.45	1.54
1900	0.00	0.13	0.37	0.65	0.88	1.07	1.25	1.41	1.54	1.63
2000	0.00	0.14	0.39	0.68	0.93	1.13	1.32	1.48	1.62	1.71
2100	0.00	0.15	0.41	0.72	0.98	1.18	1.39	1.56	1.69	1.79
2200	0.00	0.16	0.43	0.75	1.02	1.24	1.45	1.63	1.78	1.88
2300	0.00	0.16	0.45	0.78	1.07	1.29	1.51	1.71	1.86	1.97
2400	0.00	0.17	0.47	0.82	1.11	1.35	1.58	1.78	1.94	2.05
2500	0.00	0.18	0.49	0.85	1.16	1.41	1.65	1.86	2.02	2.14
2600	0.00	0.19	0.51	0.89	1.21	1.46	1.72	1.92	2.10	2.22
2700	0.00	0.19	0.53	0.92	1.25	1.52	1.78	1.99	2.18	2.31
2800	0.00	0.20	0.54	0.95	1.29	1.57	1.84	2.07	2.26	2.39
2880	**0.00**	**0.20**	**0.56**	**0.97**	**1.32**	**1.60**	**1.88**	**2.11**	**2.31**	**2.44**
2900	0.00	0.21	0.57	0.99	1.34	1.63	1.91	2.15	2.34	2.48
3000	0.00	0.22	0.59	1.02	1.39	1.69	1.98	2.23	2.42	2.57

Only Fenner brand pulleys should be used where belt speed falls between 30 and 40 m/s.

Additional Poewer Ratings for Speed Ratio

Additional Power Ratings - SPA, XPA & QXPA,

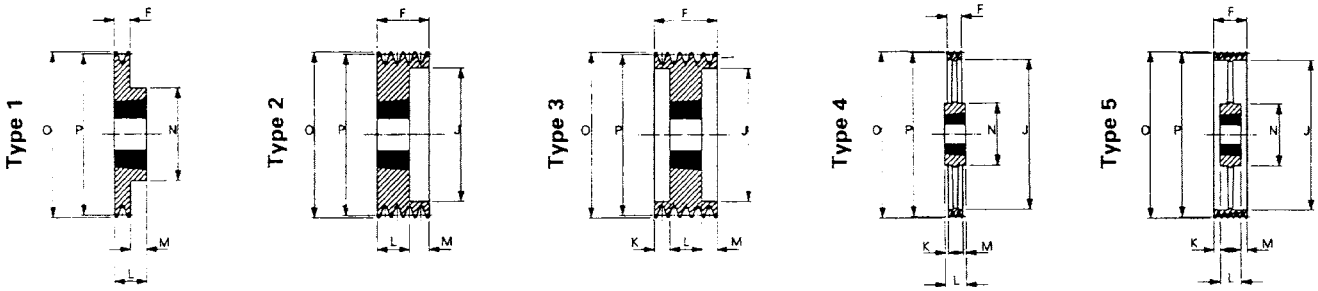
Rev/min of faster shaft	Additional Power (kW) per belt for speed ratio									
	1.00 to 1.01	1.02 to 1.05	1.06 to 1.11	1.12 to 1.18	1.19 to 1.26	1.27 to 1.38	1.30 to 1.57	1.58 to 1.94	1.95 to 3.38	3.39 and over
100	0.00	0.00	0.01	0.02	0.02	0.03	0.03	0.04	0.04	0.04
200	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.08
300	0.00	0.01	0.03	0.05	0.07	0.08	0.10	0.11	0.12	0.12
400	0.00	0.01	0.04	0.07	0.09	0.11	0.13	0.14	0.16	0.16
500	0.00	0.02	0.05	0.08	0.11	0.14	0.16	0.18	0.19	0.21
600	0.00	0.02	0.06	0.10	0.13	0.16	0.19	0.21	0.23	0.25
700	0.00	0.02	0.07	0.12	0.16	0.19	0.22	0.25	0.27	0.29
720	**0.00**	**0.02**	**0.07**	**0.12**	**0.16**	**0.20**	**0.23**	**0.26**	**0.28**	**0.30**
800	0.00	0.03	0.08	0.13	0.18	0.22	0.25	0.29	0.31	0.33
900	0.00	0.03	0.08	0.15	0.20	0.24	0.29	0.32	0.35	0.37
960	**0.00**	**0.03**	**0.09**	**0.16**	**0.21**	**0.26**	**0.30**	**0.34**	**0.37**	**0.40**
1000	0.00	0.03	0.09	0.16	0.22	0.27	0.32	0.36	0.39	0.41
1100	0.00	0.04	0.10	0.18	0.25	0.30	0.35	0.39	0.43	0.45
1200	0.00	0.04	0.11	0.20	0.27	0.33	0.38	0.43	0.47	0.49
1300	0.00	0.04	0.12	0.21	0.29	0.35	0.41	0.46	0.51	0.54
1400	0.00	0.05	0.13	0.23	0.31	0.38	0.44	0.50	0.54	0.58
1440	**0.00**	**0.05**	**0.14**	**0.24**	**0.32**	**0.39**	**0.46**	**0.51**	**0.56**	**0.59**
1500	0.00	0.05	0.14	0.25	0.34	0.41	0.48	0.54	0.58	0.62
1600	0.00	0.06	0.15	0.26	0.36	0.43	0.51	0.57	0.62	0.66
1700	0.00	0.06	0.16	0.28	0.38	0.46	0.54	0.61	0.66	0.70
1800	0.00	0.06	0.17	0.30	0.40	0.49	0.57	0.64	0.70	0.74
1900	0.00	0.07	0.18	0.31	0.43	0.51	0.60	0.68	0.74	0.78
2000	0.00	0.07	0.19	0.33	0.45	0.54	0.64	0.71	0.78	0.82
2100	0.00	0.07	0.20	0.35	0.47	0.57	0.67	0.75	0.82	0.87
2200	0.00	0.08	0.21	0.36	0.49	0.60	0.70	0.79	0.86	0.91
2300	0.00	0.08	0.22	0.38	0.51	0.62	0.73	0.82	0.90	0.95
2400	0.00	0.08	0.23	0.39	0.54	0.65	0.76	0.86	0.93	0.99
2500	0.00	0.09	0.24	0.41	0.56	0.68	0.79	0.89	0.97	1.03
2600	0.00	0.09	0.24	0.43	0.58	0.70	0.83	0.93	1.01	1.07
2700	0.00	0.09	0.25	0.44	0.60	0.73	0.86	0.96	1.05	1.11
2800	0.00	0.10	0.26	0.46	0.63	0.76	0.89	1.00	1.09	1.15
2880	**0.00**	**0.10**	**0.27**	**0.47**	**0.64**	**0.78**	**0.91**	**1.03**	**1.12**	**1.19**
2900	0.00	0.10	0.27	0.48	0.65	0.79	0.92	1.04	1.13	1.20
3000	0.00	0.10	0.28	0.49	0.67	0.81	0.95	1.07	1.17	1.24
3100	0.00	0.11	0.29	0.51	0.69	0.84	0.98	1.11	1.21	1.28
3200	0.00	0.11	0.30	0.53	0.72	0.87	1.02	1.14	1.25	1.32
3300	0.00	0.11	0.31	0.54	0.74	0.89	1.05	1.18	1.28	1.36
3400	0.00	0.12	0.32	0.56	0.76	0.92	1.08	1.21	1.32	1.40
3500	0.00	0.12	0.33	0.58	0.78	0.95	1.11	1.25	1.36	1.44
3600	0.00	0.12	0.34	0.59	0.81	0.98	1.14	1.29	1.40	1.48
3700	0.00	0.13	0.35	0.61	0.83	1.00	1.18	1.32	1.44	1.53
3800	0.00	0.13	0.36	0.62	0.85	1.03	1.21	1.36	1.48	1.57
3900	0.00	0.13	0.37	0.64	0.87	1.06	1.24	1.39	1.52	1.61
4000	0.00	0.14	0.38	0.66	0.89	1.08	1.27	1.43	1.56	1.65

Additional Power Ratings - SPC, XPC, QXPC & USPC

Rev/min of faster shaft	Additional Power (kW) per belt for speed ratio									
	1.00 to 1.01	1.02 to 1.05	1.06 to 1.11	1.12 to 1.18	1.19 to 1.26	1.27 to 1.38	1.30 to 1.57	1.58 to 1.94	1.95 to 3.38	3.39 and over
100	0.00	0.02	0.06	0.11	0.14	0.17	0.20	0.23	0.25	0.26
200	0.00	0.04	0.12	0.21	0.29	0.35	0.41	0.46	0.50	0.53
300	0.00	0.07	0.18	0.32	0.43	0.52	0.61	0.69	0.75	0.79
400	0.00	0.09	0.24	0.42	0.57	0.70	0.81	0.92	1.00	1.06
500	0.00	0.11	0.30	0.53	0.72	0.87	1.02	1.15	1.25	1.32
600	0.00	0.13	0.36	0.63	0.86	1.04	1.22	1.37	1.50	1.59
700	0.00	0.15	0.42	0.74	1.00	1.22	1.43	1.60	1.75	1.85
720	**0.00**	**0.16**	**0.43**	**0.76**	**1.03**	**1.25**	**1.46**	**1.65**	**1.80**	**1.90**
800	0.00	0.17	0.48	0.84	1.15	1.39	1.63	1.83	2.00	2.11
900	0.00	0.20	0.54	0.95	1.29	1.56	1.85	2.06	2.25	2.38
960	**0.00**	**0.21**	**0.58**	**1.01**	**1.37**	**1.67**	**1.95**	**2.20**	**2.40**	**2.54**
1000	0.00	0.22	0.60	1.05	1.43	1.74	2.04	2.29	2.50	2.64
1110	0.00	0.24	0.66	1.16	1.57	1.91	2.24	2.52	2.75	2.91
1200	0.00	0.26	0.72	1.26	1.72	2.09	2.44	2.75	3.00	3.17
1300	0.00	0.28	0.78	1.37	1.86	2.26	2.65	2.98	3.25	3.44
1400	0.00	0.31	0.84	1.47	2.00	2.43	2.85	3.21	3.50	3.70
1440	**0.00**	**0.31**	**0.87**	**1.51**	**2.06**	**2.50**	**2.93**	**3.30**	**3.60**	**3.81**
1500	0.00	0.33	0.90	1.58	2.15	2.61	3.05	3.44	3.75	3.96
1600	0.00	0.35	0.96	1.68	2.29	2.78	3.26	3.67	4.00	4.23
1700	0.00	0.37	1.02	1.79	2.43	2.96	3.46	3.90	4.25	4.49
1800	0.00	0.39	1.08	1.89	2.58	3.13	3.66	4.12	4.50	4.76
1900	0.00	0.42	1.14	2.00	2.72	3.30	3.87	4.35	4.75	5.02
2000	0.00	0.44	1.20	2.10	2.86	3.48	4.07	4.58	5.00	5.29
2100	0.00	0.46	1.26	2.21	3.00	3.65	4.27	4.81	5.25	5.55
2200	0.00	0.48	1.32	2.31	3.15	3.83	4.48	5.04	5.50	5.82
2300	0.00	0.51	1.38	2.42	3.29	4.00	4.68	5.27	5.75	6.08
2400	0.00	0.53	1.44	2.52	3.43	4.18	4.88	5.50	6.00	6.35
2500	0.00	0.55	1.50	2.63	3.58	4.35	5.09	5.73	6.25	6.61
2600	0.00	0.57	1.56	2.73	3.72	4.52	5.29	5.95	6.50	6.88
2700	0.00	0.59	1.62	2.84	3.86	4.70	5.49	6.18	6.75	7.14
2800	0.00	0.62	1.68	2.94	4.00	4.87	5.70	6.41	7.00	7.41
2880	**0.00**	**0.64**	**1.74**	**3.05**	**4.15**	**5.05**	**5.90**	**6.64**	**7.25**	**7.67**
3000	0.00	0.66	1.80	3.15	4.29	5.22	6.11	6.87	7.50	7.94
3100	0.00	0.68	1.86	3.26	4.43	5.39	6.31	7.10	7.75	8.20
3200	0.00	0.70	1.92	3.36	4.58	5.57	6.51	7.33	8.00	8.46
3300	0.00	0.73	1.98	3.47	4.72	5.74	6.72	7.56	8.25	8.73
3400	0.00	0.75	2.04	3.57	4.86	5.92	6.92	7.79	8.50	8.99
3500	0.00	0.77	2.10	3.68	5.01	6.09	7.12	8.02	8.75	9.26
3600	0.00	0.79	2.16	3.78	5.15	6.26	7.33	8.24	9.00	9.52

Only Fenner brand pulleys should be used where belt speed falls between 30 and 40 m/s.

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

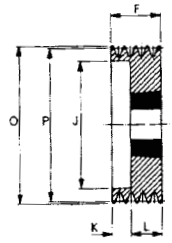


Catalogue Code	Pitch Dia (P)	No. of Grooves	Bush No.	Max. Bore		Pulley Type	F	J	K	L	M	N	Outside Dia (O)
				Metric	Inch								
031Z0041	***56***	*1*	*1008*	*25*	*1*	*9*	*49*	*28*	*13*	*22*	–	–	*60*
031Z0042	***56***	*2*	*1108*	*28*	*1 1/8*	*9*	*49*	*35*	*27*	*22*	–	–	*60*
031Z0051	***60***	*1*	*1008*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

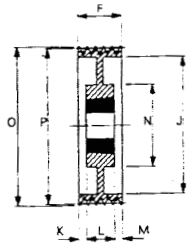
Type 6NR pulleys are made to catalogue dimensions, but modern manufacturing techniques result in there being no recess behind the Taper Lock bush, the J dimension is then approximately equal to the small diameter of the Taper Lock bush.
Dimensions in millimetres unless otherwise stated. *Non-preferred pulley sizes. Pitch diameters in italic type indicate pulleys to be used with Z V-belts, XPZ & QXPZ wedge belts only.
All envelope, prime functional and Taper Lock bush dimensions are correct at the time of publication. Non-functional dimensions may vary slightly.
These pulleys are designed to operate at rim speeds upto 40m/sec, for higher speeds contact your local authorised distributor.

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

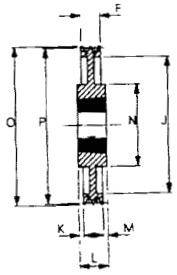
Type 6



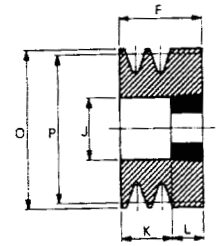
Type 7



Type 8



Type 9



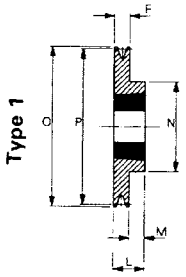
Catalogue Code	Pitch Dia (P)	No. of Grooves	Bush No.	Max. Bore		Pulley Type	F	J	K	L	M	N	Outside Dia (O)
				Metric	Inch								
031Z0171	**118**	1	1610	42	1 5/8	1	16	–	–	25	9.0	92	123
031Z0172	**118**	2	1610	42	1 5/8	6	28	90	3.0	25	–	–	123
031Z0173	**118**	3	2012	50	2	6	40	90	8.0	32	–	–	123
031Z0174	**118**	4	2012	50	2	6	52	90	20.0	32	–	–	123
031Z0175*	**118**	5	2012	50	2	6	64	90	32.0	32	–	–	123
031Z0181	**125**	1	1610	42	1 5/8	1	16	–	–	25	9.0	92	129
031Z0182	**125**	2	1610	42	1 5/8	6	28	96	3.0	25	–	–	129
031Z0183	**125**	3	2012	50	2	2	40	96	–	32	8.0	–	129
031Z0184	**125**	4	2012	50	2	2	52	96	–	32	20.0	–	129
031Z0185*	**125**	5	2012	50	2	6	64	96	32.0	32	–	–	129
031Z0191	**132**	1	1610	42	1 5/8	1	16	–	–	25	9.0	92	137
031Z0192	**132**	2	1610	42	1 5/8	6	28	103	3.0	25	–	–	137
031Z0193	**132**	3	2012	50	2	2	40	103	–	32	8.0	–	137
031Z0194	**132**	4	2012	50	2	2	52	103	–	32	20.0	–	137
031Z0195*	**132**	5	2517	60	2 1/2	6	64	103	19.0	45	–	–	137
031Z0201	**140**	1	1610	42	1 5/8	1	16	–	–	25	9.0	92	144
031Z0202	**140**	2	1610	42	1 5/8	6	28	111	3.0	25	–	–	144
031Z0203	**140**	3	2012	50	2	2	40	111	–	32	8.0	–	144
031Z0204	**140**	4	2012	50	2	2	52	111	–	32	20.0	–	144
031Z0205*	**140**	5	2517	60	2 1/2	2	64	111	–	45	19.0	–	144
031Z0221	**160**	1	1610	42	1 5/8	1	16	–	–	25	9.0	92	164
031Z0222	**160**	2	2012	50	2	1	28	–	–	32	4.0	112	164
031Z0223	**160**	3	2012	50	2	2	40	131	–	32	8.0	–	164
031Z0224	**160**	4	2517	60	2 1/2	2	52	131	–	45	7.0	–	164
031Z0225*	**160**	5	2517	60	2 1/2	2	64	131	–	45	19.0	–	164
031Z0241	**180**	1	1610	42	1 5/8	1	16	–	–	25	9.0	92	184
031Z0242	**180**	2	2012	50	2	1	28	–	–	32	4.0	112	184
031Z0243	**180**	3	2012	50	2	2	40	151	–	32	8.0	–	184
031Z0244	**180**	4	2517	60	2 1/2	2	52	151	–	45	7.0	–	184
031Z0245*	**180**	5	2517	60	2 1/2	2	64	151	–	45	19.0	–	184
031Z0261	**200**	1	2012	50	2	8	16	171	–	32	16.0	112	204
031Z0262	**200**	2	2012	50	2	8	28	171	–	32	4.0	112	204
031Z0263	**200**	3	2012	50	2	7	40	171	4.0	32	4.0	112	204
031Z0264	**200**	4	2517	60	2 1/2	7	52	171	3.5	45	3.5	124	204
031Z0265*	**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	8.0	32	8.0	112	254
031Z0302	**250**	2	2012	50	2	4	28	221	2.0	32	2.0	112	254
031Z0303	**250**	3	2012	50	2	5	40	221	4.0	32	4.0	112	254
031Z0304	**250**	4	2517	60	2 1/2	5	52	221	3.5	45	3.5	124	254
031Z0305*	**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	8.0	32	8.0	112	319
031Z0332	**315**	2	2012	50	2	4	28	286	2.0	32	2.0	112	319
031Z0333	**315**	3	2517	60	2 1/2	4	40	286	2.5	45	2.5	124	319
031Z0334	**315**	4	2517	60	2 1/2	5	52	286	3.5	45	3.5	124	319
031Z0335*	**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	8.0	32	8.0	112	404
031Z0352	**400**	2	2517	60	2 1/2	4	28	371	8.5	45	8.5	124	404
031Z0353	**400**	3	2517	60	2 1/2	4	40	371	2.5	45	2.5	124	404
031Z0354	**400**	4	2517	60	2 1/2	5	52	371	3.5	45	3.5	124	404
031Z0355*	**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
031Z0373*	**500**	3	2517	60	2 1/2	5	40	471	2.5	45	2.5	124	504
031Z0374*	**500**	4	3020	75	3	5	52	471	0.5	51	0.5	146	504
031Z0375*	**500**	5	3020	75	3	4	64	471	6.0	76	6.0	146	504
031Z0393*	**630**	3	2517	60	2 1/2	4	40	601	2.5	45	2.5	124	634
031Z0394*	**630**	4	3020	75	3	4	52	601	12.0	76	12.0	146	634
031Z0395*	**630**	5	3020	75	3	4	64	601	6.0	76	6.0	146	634

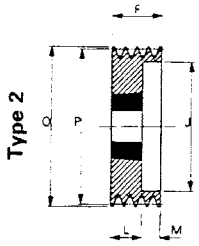
Dimensions in millimetres unless otherwise stated. * Non-preferred pulley sizes.

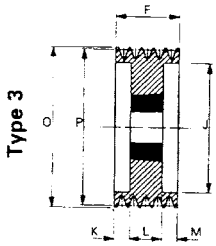
Intermediate diameters available on a non-stock basis, see page 70

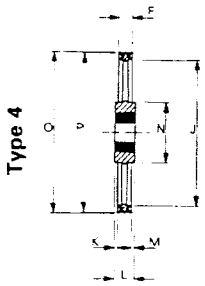
All envelope, prime functional and Taper Lock bush dimensions are correct at the time of publication. Non-functional dimensions may vary slightly.
These pulleys are designed to operate at rim speeds upto 40m/sec, for higher speeds contact your local authorised distributor.

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





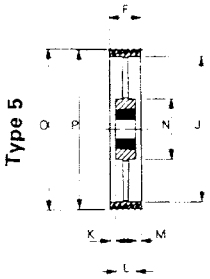


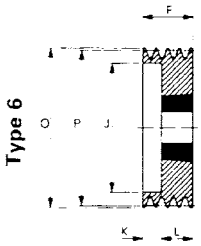


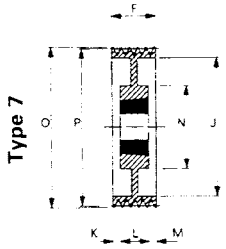
Catalogue Code	Pitch Dia (P)	No. of Grooves	Bush No.	Max. Bore		Pulley Type	F	J	K	L	M	N	Outside Dia (O)
				Metric	Inch								
031A0101	***80***	*1*	*1210*	*32*	*1 1/4*	*1*	*20*	–	–	*25*	*5.0*	*75*	*86*
031A0102	***80***	*2*	*1210*	*32*	*1 1/4*	*6*	*35*	*46*	*10.0*	*25*	–	–	*86*
031A0103	***80***	*3*	*1210*	*32*	*1 1/4*	*6*	*50*	*46*	*25.0*	*25*	–	–	*86*
031A0111	***85***	*1*	*1210*	*32*	*1 1/4*	*1*	*20*	–	–	*25*	*5.0*	*80*	*91*
031A0112	***85***	*2*	*1210*	*32*	*1 1/4*	*6*	*35*	*46*	*10.0*	*25*	–	–	*91*
031A0113	***85***	*3*	*1210*	*32*	*1 1/4*	*6*	*50*	*46*	*25.0*	*25*	–	–	*91*
031A0121	**90**	1	1210	32	1 1/4	1	20	–	–	25	5.0	80	96
031A0122	**90**	2	1610	42	1 5/8	6	35	61	10.0	25	–	–	96
031A0123	**90**	3	1610	42	1 5/8	6	50	61	25.0	25	–	–	96
031A0124	**90**	4	1610	42	1 5/8	3	65	61	13.5	38	13.5	–	96
031A0131	**95**	1	1210	32	1 1/4	1	20	–	–	25	5.0	85	101
031A0132	**95**	2	1610	42	1 5/8	6	35	66	10.0	25	–	–	101
031A0133	**95**	3	1610	42	1 5/8	6	50	66	25.0	25	–	–	101
031A0134	**95**	4	1610	42	1 5/8	3	65	66	13.5	38	13.5	–	101
031A0141	**100**	1	1610	42	1 5/8	1	20	–	–	25	5.0	85	106
031A0142	**100**	2	1610	42	1 5/8	6	35	71	10.0	25	–	–	106
031A0143	**100**	3	1610	42	1 5/8	2	50	71	–	25	25.0	–	106
031A0144	**100**	4	1610	42	1 5/8	2	65	71	–	38	27.0	–	106
031A0145	**100**	5	1610	42	1 5/8	2	80	71	–	38	42.0	–	106
031A0146*	**100**	6	1610	42	1 5/8	3	95	71	28.5	38	28.5	–	106
031A0151	**106**	1	1610	42	1 5/8	1	20	–	–	25	5.0	92	112
031A0152	**106**	2	1610	42	1 5/8	6	35	76	10.0	25	–	–	112
031A0153	**106**	3	1610	42	1 5/8	2	50	76	–	25	25.0	–	112
031A0154	**106**	4	2012	50	2	6	65	76	33.0	32	–	–	112
031A0155	**106**	5	2012	50	2	6	80	76	48.0	32	–	–	112
031A0156*	**106**	6	2012	50	2	6	95	76	63.0	32	–	–	112
031A0161	**112**	1	1610	42	1 5/8	1	20	–	–	25	5.0	92	118
031A0162	**112**	2	1610	42	1 5/8	6	35	83	10.0	25	–	–	118
031A0163	**112**	3	2012	50	2	6	50	83	18.0	32	–	–	118
031A0164	**112**	4	2012	50	2	6	65	83	33.0	32	–	–	118
031A0165	**112**	5	2012	50	2	6	80	83	48.0	32	–	–	118
031A0166*	**112**	6	2012	50	2	6	95	83	63.0	32	–	–	118
031A0171	**118**	1	1610	42	1 5/8	1	20	–	–	25	5.0	92	124
031A0172	**118**	2	1610	42	1 5/8	6	35	90	10.0	25	–	–	124
031A0173	**118**	3	2012	50	2	2	50	90	–	32	18.0	–	124
031A0174	**118**	4	2012	50	2	2	65	90	–	32	33.0	–	124
031A0175	**118**	5	2012	50	2	2	80	90	–	32	48.0	–	124
031A0176*	**118**	6	2012	50	2	6	95	90	63.0	32	–	–	124
031A0181	**125**	1	1610	42	1 5/8	1	20	–	–	25	5.0	92	131
031A0182	**125**	2	1610	42	1 5/8	6	35	96	10.0	25	–	–	131
031A0183	**125**	3	2012	50	2	2	50	96	–	32	18.0	–	131
031A0184	**125**	4	2012	50	2	2	65	96	–	32	33.0	–	131
031A0185	**125**	5	2012	50	2	3	80	96	24.0	32	24.0	–	131
031A0186*	**125**	6	2012	50	2	3	95	96	31.5	32	31.5	–	131
031A0191	**132**	1	1610	42	1 5/8	1	20	–	–	25	5.0	92	138
031A0192	**132**	2	2012	50	2	6	35	103	3.0	32	–	–	138
031A0193	**132**	3	2012	50	2	2	50	103	–	32	18.0	–	138
031A0194	**132**	4	2517	60	2 1/2	2	65	103	–	45	20.0	–	138
031A0195	**132**	5	2517	60	2 1/2	3	80	103	17.5	45	17.5	–	138
031A0196*	**132**	6	2517	60	2 1/2	3	95	103	25.0	45	25.0	–	138
031A0201	**140**	1	1610	42	1 5/8	1	20	–	–	25	5.0	92	146
031A0202	**140**	2	2012	50	2	6	35	111	3.0	32	–	–	146
031A0203	**140**	3	2517	60	2 1/2	6	50	111	5.0	45	–	–	146
031A0204	**140**	4	2517	60	2 1/2	2	65	111	–	45	20.0	–	146
031A0205	**140**	5	2517	60	2 1/2	3	80	111	17.5	45	17.5	–	146
031A0206*	**140**	6	2517	60	2 1/2	3	95	111	25.0	45	25.0	–	146
031A0211	**150**	1	1610	42	1 5/8	1	20	–	–	25	5.0	92	156
031A0212	**150**	2	2012	50	2	6	35	121	3.0	32	–	–	156
031A0213	**150**	3	2517	60	2 1/2	6	50	121	5.0	45	–	–	156
031A0214	**150**	4	2517	60	2 1/2	2	65	121	–	45	20.0	–	156
031A0215	**150**	5	2517	60	2 1/2	3	80	121	17.5	45	17.5	–	156
031A0216*	**150**	6	2517	60	2 1/2	3	95	121	25.0	45	25.0	–	156

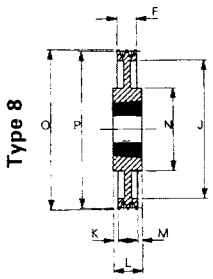
Dimensions in millimetres unless otherwise stated. *Non-preferred pulley sizes. Pitch diameters in italic type indicate pulleys to be used A V-belts, XPA & QXPA wedge belts only.
All envelope, prime functional and Taper Lock bush dimensions are correct at the time of publication. Non-functional dimensions may vary slightly.
These pulleys are designed to operate at rim speeds upto 40m/sec, for higher speeds contact your local authorised distributor.

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







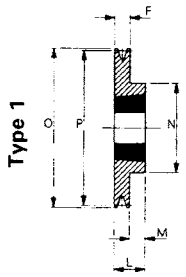


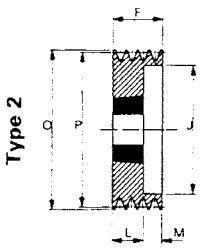
Catalogue Code	Pitch Dia (P)	No. of Grooves	Bush No.	Max. Bore		Pulley Type	F	J	K	L	M	N	Outside Dia (O)
				Metric	Inch								
031A0221	**160**	1	1610	42	1 5/8	1	20	–	–	25	5.0	92	166
031A0222	**160**	2	2012	50	2	7	35	125	1.5	32	1.5	108	166
031A0223	**160**	3	2517	60	2 1/2	6	50	128	5.0	45	–	–	166
031A0224	**160**	4	2517	60	2 1/2	2	65	128	–	45	20.0	–	166
031A0225	**160**	5	2517	60	2 1/2	3	80	128	17.5	45	17.5	–	166
031A0226*	**160**	6	2517	60	2 1/2	3	95	128	25.0	45	25.0	–	166
031A0241	**180**	1	1610	42	1 5/8	1	20	–	–	25	5.0	92	186
031A0242	**180**	2	2012	50	2	7	35	148	1.5	32	1.5	108	186
031A0243	**180**	3	2517	60	2 1/2	6	50	148	5.0	45	–	–	186
031A0244	**180**	4	2517	60	2 1/2	2	65	148	–	45	20.0	–	186
031A0245	**180**	5	3020	75	3	3	80	148	14.5	51	14.5	–	186
031A0246*	**180**	6	3020	75	3	3	95	148	22.0	51	22.0	–	186
031A0261	**200**	1	2012	50	2	8	20	162	–	32	12.0	108	206
031A0262	**200**	2	2517	60	2 1/2	8	35	162	5.0	45	5.0	123	206
031A0263	**200**	3	2517	60	2 1/2	7	50	162	2.5	45	2.5	123	206
031A0264	**200**	4	3020	75	3	2	65	168	–	51	14.0	–	206
031A0265	**200**	5	3020	75	3	3	80	168	14.5	51	14.5	–	206
031A0266*	**200**	6	3020	75	3	3	95	168	22.0	51	22.0	–	206
031A0281	**224**	1	2012	50	2	8	20	189	–	32	12.0	112	230
031A0282	**224**	2	2517	60	2 1/2	8	35	189	–	45	10.0	124	230
031A0283	**224**	3	2517	60	2 1/2	7	50	189	2.5	45	2.5	124	230
031A0284	**224**	4	3020	75	3	2	65	189	–	51	14.0	–	230
031A0285	**224**	5	3020	75	3	2	80	189	–	51	29.0	–	230
031A0286*	**224**	6	3020	75	3	3	95	189	22.0	51	22.0	–	230
031A0301	**250**	1	2012	50	2	8	20	215	6.0	32	6.0	112	256
031A0302	**250**	2	2517	60	2 1/2	8	35	215	5.0	45	5.0	124	256
031A0303	**250**	3	2517	60	2 1/2	7	50	215	2.5	45	2.5	124	256
031A0304	**250**	4	3020	75	3	7	65	215	10.0	51	10.0	159	256
031A0305	**250**	5	3020	75	3	7	80	215	17.5	51	17.5	159	256
031A0306*	**250**	6	3020	75	3	7	95	215	22.0	51	22.0	159	256
031A0321	**280**	1	2012	50	2	8	20	245	–	32	12.0	112	286
031A0322	**280**	2	2517	60	2 1/2	8	35	245	–	45	10.0	124	286
031A0323	**280**	3	2517	60	2 1/2	7	50	245	2.5	45	2.5	124	286
031A0324	**280**	4	3020	75	3	7	65	245	7.0	51	7.0	159	286
031A0325	**280**	5	3525	100	4	7	80	245	4.5	89	4.5	178	286
031A0326*	**280**	6	3525	100	4	7	95	245	15.0	65	15.0	178	286
031A0331	**315**	1	2012	50	2	4	20	280	–	32	12.0	112	321
031A0332	**315**	2	2517	60	2 1/2	4	35	280	–	45	10.0	124	321
031A0333	**315**	3	3020	75	3	8	50	280	0.5	51	0.5	159	321
031A0334	**315**	4	3020	75	3	7	65	280	8.0	51	8.0	159	321
031A0335	**315**	5	3525	100	4	8	80	283	7.5	65	7.5	178	321
031A0336*	**315**	6	3525	100	4	7	95	280	15.0	65	15.0	178	321
031A0351	**400**	1	2012	50	2	4	20	365	-	32	12.0	112	406
031A0352	**400**	2	2517	60	2 1/2	4	35	365	-	45	10.0	124	406
031A0353	**400**	3	3020	75	3	4	50	365	0.5	51	0.5	159	406
031A0354	**400**	4	3020	75	3	5	65	365	7.0	51	7.0	159	406
031A0355	**400**	5	3525	100	4	4	80	365	7.5	65	7.5	178	406
031A0356*	**400**	6	3525	100	4	5	95	368	15.0	65	15	178	406
031A0372	**500**	2	2517	60	2 1/2	4	35	465	-	45	10.0	124	506
031A0373	**500**	3	3020	75	3	4	50	465	0.5	51	0.5	159	506
031A0374	**500**	4	3020	75	3	5	65	465	7.0	51	7.0	159	506
031A0375	**500**	5	3525	100	4	4	80	465	7.5	65	7.5	178	506
031A0376*	**500**	6	3525	100	4	5	95	465	15.0	65	15.0	178	506
031A0392*	**630**	2	3020	75	3	4	35	595	–	45	16.0	159	636
031A0393	**630**	3	3020	75	3	4	50	595	0.5	89	0.5	178	636
031A0394	**630**	4	3525	100	4	4	65	595	12.0	89	12.0	178	636
031A0395	**630**	5	3525	100	4	4	80	595	7.5	65	7.5	178	636
031A0396	**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
031A0414*	**800**	4	3525	100	4	4	65	765	0.0	65	0.0	178	806
031A0415*	**800**	5	4030	115	4 1/2	4	80	765	2.0	76	2.0	216	806
031A0416*	**800**	6	4030	115	4 1/2	4	95	765	9.5	76	9.5	216	806

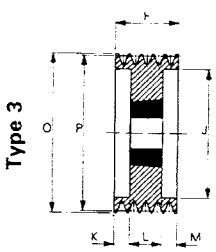
Dimensions in millimetres unless otherwise stated. * Non-preferred pulley sizes.
Intermediate diameters available on a non-stock basis, see page 70

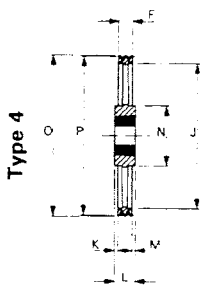
All envelope, prime functional and Taper Lock bush dimensions are correct at the time of publication. Non-functional dimensions may vary slightly.
These pulleys are designed to operate at rim speeds upto 40m/sec, for higher speeds contact your local authorised distributor.

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





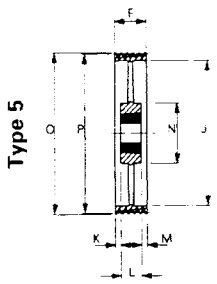


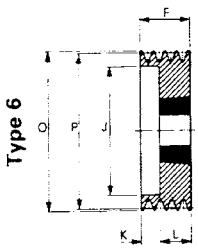


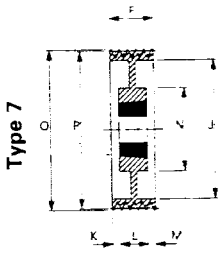
Catalogue Code	Pitch Dia (P)	No. of Grooves	Bush No.	Max. Bore		Pulley Type	F	J	K	L	M	N	Outside Dia (O)
				Metric	Inch								
031B0162	***112***	*2*	*2012*	*50*	*2*	*2*	*44*	*72*	*25*	*19.0*	–	–	*119*
031B0163	***112***	*3*	*2012*	*50*	*2*	*2*	*63*	*72*	–	*25*	*37.0*	–	*119*
031B0172	***118***	*2*	*2012*	*50*	*2*	*2*	*44*	*78*	–	*25*	*19.0*	–	*125*
031B0173	***118***	*3*	*2012*	*50*	*2*	*2*	*63*	*78*	–	*25*	*37.0*	–	*125*
031B0182	***125***	*2*	*2012*	*50*	*2*	*2*	*44*	*82*	–	*32*	*12.0*	–	*132*
031B0183	***125***	*3*	*2012*	*50*	*2*	*2*	*63*	*89*	–	*32*	*31.0*	–	*132*
031B0184	***125***	*4*	*2012*	*50*	*2*	*3*	*82*	*82*	*25.0*	*32*	*25.0*	–	*132*
*031B0185**	***125***	*5*	*2012*	*50*	*2*	*6*	*101*	*87*	*69.0*	*32*	–	–	*132*
031B0192	***132***	*2*	*2012*	*50*	*2*	*2*	*44*	*89*	–	*32*	*12.0*	–	*139*
031B0193	***132***	*3*	*2012*	*50*	*2*	*2*	*63*	*89*	–	*32*	*31.0*	–	*139*
031B0194	***132***	*4*	*2012*	*50*	*2*	*3*	*82*	*89*	*25.0*	*32*	*25.0*	–	*139*
*031B0195**	***132***	*5*	*2517*	*60*	*2 1/2*	*6*	*101*	*94*	*56.0*	*45*	–	–	*139*
031B0202	**140**	2	2012	50	2	2	44	97	–	32	12.0	–	147
031B0203	**140**	3	2012	50	2	2	63	97	–	32	31.0	–	147
031B0204	**140**	4	2517	60	2 1/2	3	82	100	18.5	45	18.5	–	147
031B0205	**140**	5	2517	60	2 1/2	3	101	97	28.0	45	28.0	–	147
031B0206	**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	12.0	–	157
031B0213	**150**	3	2517	60	2 1/2	2	63	107	–	45	18.0	–	157
031B0214	**150**	4	2517	60	2 1/2	3	82	107	18.5	45	18.5	–	157
031B0215	**150**	5	2517	60	2 1/2	3	101	107	28.0	45	28.0	–	157
031B0216	**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	12.0	–	167
031B0223	**160**	3	2517	60	2 1/2	2	63	117	–	45	18.0	–	167
031B0224	**160**	4	2517	60	2 1/2	3	82	117	18.5	45	18.5	–	167
031B0225	**160**	5	2517	60	2 1/2	3	101	117	28.0	45	28.0	–	167
031B0226	**160**	6	3020	75	3	3	120	117	34.5	51	34.5	–	167
031B0232	**170**	2	2012	50	2	2	44	127	–	32	12.0	–	177
031B0233	**170**	3	2517	60	2 1/2	2	63	127	–	45	18.0	–	177
031B0234	**170**	4	2517	60	2 1/2	3	82	127	18.5	45	18.5	–	177
031B0235	**170**	5	3020	75	3	3	101	127	25.0	51	25.0	–	177
031B0236	**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	1.0	117	187
031B0243	**180**	3	2517	60	2 1/2	2	63	137	–	45	18.0	–	187
031B0244	**180**	4	2517	60	2 1/2	3	82	137	18.5	45	18.5	–	187
031B0245	**180**	5	3020	75	3	3	101	137	25.0	51	25.0	–	187
031B0246	**180**	6	3020	75	3	3	120	137	34.5	51	34.5	–	187
031B0248*	**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	1.0	117	197
031B0253	**190**	3	2517	60	2 1/2	2	63	147	–	45	18.0	–	197
031B0254	**190**	4	2517	60	2 1/2	3	82	147	18.5	45	18.5	–	197
031B0255	**190**	5	3020	75	3	3	101	147	25.0	51	25.0	–	197
031B0256	**190**	6	3020	75	3	3	120	147	34.5	51	34.5	–	197
031B0258*	**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	1.0	117	207
031B0263	**200**	3	2517	60	2 1/2	7	63	157	–	45	18.0	117	207
031B0264	**200**	4	3020	75	3	3	82	157	15.5	51	15.5	–	207
031B0265	**200**	5	3020	75	3	3	101	157	25.0	51	25.0	–	207
031B0266	**200**	6	3020	75	3	3	120	157	34.5	51	34.5	–	207
031B0268*	**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	1.0	117	219
031B0273	**212**	3	2517	60	2 1/2	7	63	169	–	45	18.0	117	219
031B0274	**212**	4	3020	75	3	3	82	169	15.5	51	15.5	–	219
031B0275	**212**	5	3020	75	3	3	101	169	25.0	51	25.0	–	219
031B0276	**212**	6	3525	100	4	3	120	169	28.0	65	28.0	–	219
031B0278*	**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	1.0	45	-	117	231
031B0283	**224**	3	2517	60	2 1/2	7	63	181	–	45	18.0	117	231
031B0284	**224**	4	3020	75	3	3	82	181	15.5	51	15.5	–	231
031B0285	**224**	5	3020	75	3	3	101	181	25.0	51	25.0	–	231
031B0286	**224**	6	3525	100	4	3	120	181	28.0	65	28.0	–	231
031B0288*	**224**	8	3525	100	4	3	158	181	46.5	65	46.5	–	231

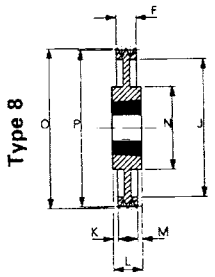
Dimensions in millimetres unless otherwise stated. *Non-preferred pulley sizes. Pitch diameters in italic type indicate pulleys to be used with B V- belts, XPB & QXPB wedge belts only.
All envelope, prime functional and Taper Lock bush dimensions are correct at the time of publication. Non-functional dimensions may vary slightly.
Non-functional dimensions may vary slightly.
These pulleys are designed to operate at rim speeds upto 40m/sec, for higher speeds contact your local authorised distributor.

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





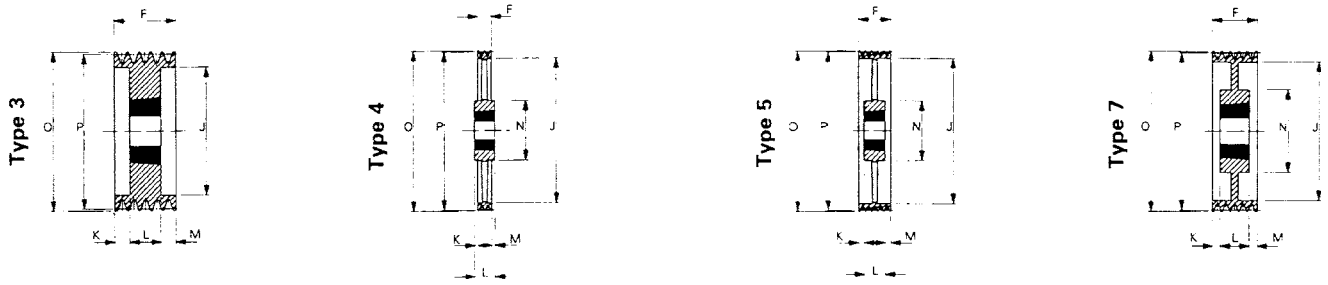




Catalogue Code	Pitch Dia (P)	No. of Grooves	Bush No.	Max. Bore		Pulley Type	F	J	K	L	M	N	Outside Dia (O)
				Metric	Inch								
031B0292	**236**	2	2517	60	2 1/2	8	44	193	1.0	45	–	117	243
031B0293	**236**	3	2517	60	2 1/2	7	63	193	–	45	18.0	117	243
031B0294	**236**	4	3020	75	3	3	82	193	15.5	51	15.5	–	243
031B0295	**236**	5	3525	100	4	3	101	193	18.0	65	18.0	–	243
031B0296	**236**	6	3525	100	4	3	120	193	28.0	65	28.0	–	243
031B0298*	**236**	8	3525	100	4	3	158	193	46.5	65	46.5	–	243
031B0302	**250**	2	2517	60	2 1/2	8	44	207	1.0	45	1.0	117	257
031B0303	**250**	3	3020	75	3	7	63	207	–	51	12.0	144	257
031B0304	**250**	4	3020	75	3	7	82	207	15.5	51	15.5	144	257
031B0305	**250**	5	3525	100	4	3	101	207	18.0	65	18.0	–	257
031B0306	**250**	6	3525	100	4	3	120	207	28.0	65	28.0	–	257
031B0308*	**250**	8	3525	100	4	3	158	207	46.5	65	46.5	–	257
031B0322	**280**	2	2517	60	2 1/2	8	44	237	1.0	45	–	117	287
031B0323	**280**	3	3020	75	3	7	63	237	6.0	51	6.0	144	287
031B0324	**280**	4	3020	75	3	7	82	237	15.5	51	15.5	144	287
031B0325	**280**	5	3525	100	4	7	101	237	18.0	65	18.0	187	287
031B0326	**280**	6	3525	100	4	7	120	237	27.5	65	27.5	187	287
031B0328*	**280**	8	3525	100	4	7	158	237	46.5	65	46.5	187	287
031B0332	**315**	2	2517	60	2 1/2	8	44	272	1.0	45	–	117	322
031B0333	**315**	3	3020	75	3	7	63	272	6.0	51	6.0	144	322
031B0334	**315**	4	3525	100	4	7	82	272	3.5	65	3.5	187	322
031B0335	**315**	5	3525	100	4	7	101	272	18.0	65	18.0	187	322
031B0336	**315**	6	3525	100	4	7	120	272	27.5	65	27.5	187	322
031B0338*	**315**	8	3525	100	4	7	158	272	46.5	65	46.5	187	322
031B0342	**355**	2	3020	75	3	5	44	312	3.5	51	3.5	144	362
031B0343	**355**	3	3020	75	3	8	63	312	6.0	51	6.0	144	362
031B0344	**355**	4	3525	100	4	8	82	312	3.5	89	3.5	187	362
031B0345	**355**	5	3525	100	4	5	101	312	18.0	65	18.0	187	362
031B0346	**355**	6	3525	100	4	5	120	312	27.5	65	27.5	187	362
031B0348*	**355**	8	3525	100	4	7	158	312	46.5	65	46.5	187	362
031B0352	**400**	2	3020	75	3	4	44	357	3.5	51	3.5	144	407
031B0353	**400**	3	3525	100	4	8	63	357	1.0	65	1.0	187	407
031B0354	**400**	4	3525	100	4	4	82	357	8.5	65	8.5	187	407
031B0355	**400**	5	3525	100	4	7	101	357	18.0	65	18.0	187	407
031B0356	**400**	6	3525	100	4	5	120	357	27.5	65	27.5	187	407
031B0358*	**400**	8	3525	100	4	5	158	357	46.5	65	46.5	200	407
014B0362	**450**	2	3020	75	3	4	44	407	3.5	51	3.5	144	457
014B0363	**450**	3	3525	100	4	4	63	407	1.0	65	1.0	187	457
014B0364	**450**	4	3525	100	4	4	82	407	8.5	65	8.5	187	457
014B0365	**450**	5	3525	100	4	5	101	407	18.0	65	18.0	187	457
014B0366	**450**	6	3525	100	4	5	120	407	27.5	65	27.5	216	457
014B0368*	**450**	8	3525	100	4	5	158	407	46.5	65	46.5	216	457
031B0372	**500**	2	3020	75	3	4	44	457	3.5	51	3.5	144	507
031B0373	**500**	3	3525	100	4	4	63	457	1.0	65	1.0	187	507
031B0374	**500**	4	3525	100	4	4	82	457	8.5	65	8.5	187	507
031B0375	**500**	5	3525	100	4	5	101	457	18.0	65	18.0	187	507
031B0376	**500**	6	3525	100	4	5	120	457	27.5	65	27.5	216	507
031B0378*	**500**	8	3525	100	4	5	158	457	46.5	65	46.5	216	507
014B0382	**560**	2	3020	75	3	4	44	517	4.0	76	4.0	144	567
014B0383	**560**	3	3525	100	4	4	63	517	1.0	65	1.0	187	567
014B0384	**560**	4	3525	100	4	4	82	517	8.5	65	8.5	187	567
014B0385	**560**	5	3525	100	4	4	101	517	18.0	65	18.0	216	567
014B0386	**560**	6	3525	100	4	5	120	517	27.5	65	27.5	187	567
014B0388*	**560**	8	4030	115	4 1/2	5	158	517	41.0	76	41.0	242	567
031B0392	**630**	2	3020	75	3	4	44	587	3.5	51	3.5	144	637
031B0393	**630**	3	3525	100	4	4	63	587	1.0	65	1.0	187	637
031B0394	**630**	4	3525	100	4	4	82	587	8.5	65	8.5	187	637
031B0395	**630**	5	3525	100	4	4	101	587	18.0	65	18.0	216	637
031B0396	**630**	6	3525	100	4	5	120	587	27.5	65	27.5	216	637
031B0398*	**630**	8	4030	115	4 1/2	5	158	587	41.0	76	41.0	242	637
031B0413	**800**	3	3525	100	4	4	63	754	1.0	65	1.0	187	807
031B0414	**800**	4	4030	115	4 1/2	4	82	754	3.0	76	3.0	216	807
031B0415	**800**	5	4030	115	4 1/2	4	101	754	12.5	76	12.5	216	807
031B0416	**800**	6	4535	125	5	5	120	754	15.5	89	15.5	242	807
031B0418*	**800**	8	4535	125	5	5	158	754	34.5	89	34.5	242	807
031B0433*	**1000**	3	4030	115	4 1/2	4	63	954	6.5	76	6.5	216	1007
031B0434	**1000**	4	4030	115	4 1/2	4	82	954	3.0	76	3.0	216	1007
031B0435	**1000**	5	4535	125	5	4	101	954	6.0	89	6.0	242	1007
031B0436	**1000**	6	4535	125	5	5	120	954	15.5	89	15.5	242	1007
031B0438*	**1000**	8	4535	125	5	5	158	954	34.5	89	34.5	242	1007

Dimensions in millimetres unless otherwise stated. * Non-preferred pulley sizes. Intermediate diameters available on a non-stock basis, see page 70.
All envelope, prime functional and Taper Lock bush dimensions are correct at the time of publication. Non-functional dimensions may vary slightly.
These pulleys are designed to operate at rim speeds upto 40m/sec, for higher speeds contact your local authorised distributor.

Taper Lock Pulleys for C, SPC, XPC, QXPC & USPC Belts



Catalogue Code	Pitch Dia (P)	No. of Grooves	Bush No.	Max. Bore		Type	F	J	K	L	M	N	Outside Dia (O)
				Metric	Inch								
031C0263	***200***	*3*	*2517*	*60*	*2 1/2*	*3*	*85*	*144*	*20.0*	*45*	*20.0*	–	*210*
031C0264	***200***	*4*	*3020*	*75*	*3*	*3*	*111*	*144*	*30.0*	*51*	*30.0*	–	*210*
031C0265	***200***	*5*	*3525*	*100*	*4*	*3*	*136*	*144*	*35.5*	*65*	*35.5*	–	*210*
031C0266	***200***	*6*	*3525*	*100*	*4*	*3*	*162*	*144*	*48.5*	*65*	*48.5*	–	*210*
031C0273	***212***	*3*	*3020*	*75*	*3*	*3*	*85*	*156*	*17.0*	*51*	*17.0*	–	*222*
031C0274	***212***	*4*	*3020*	*75*	*3*	*3*	*111*	*156*	*30.0*	*51*	*30.0*	–	*222*
031C0275	***212***	*5*	*3525*	*100*	*4*	*3*	*136*	*156*	*35.5*	*65*	*35.5*	–	*222*
031C0276	***212***	*6*	*3525*	*100*	*4*	*3*	*162*	*156*	*48.5*	*65*	*48.5*	–	*222*
031C0283	**224**	3	3020	75	3	3	85	168	17.0	51	17.0	–	234
031C0284	**224**	4	3525	100	4	3	111	168	23.0	65	23.0	–	234
031C0285	**224**	5	3525	100	4	3	136	168	35.5	65	35.5	–	234
031C0286	**224**	6	3525	100	4	3	162	168	48.5	65	48.5	–	234
031C0288	**224**	8	3525	100	4	3	213	168	74.0	65	74.0	–	234
031C0293	**236**	3	3020	75	3	3	85	180	17.0	51	17.0	–	246
031C0294	**236**	4	3525	100	4	3	111	180	23.0	65	23.0	–	246
031C0295	**236**	5	3525	100	4	3	136	180	35.5	65	35.5	–	246
031C0296	**236**	6	3525	100	4	3	162	180	48.5	65	48.5	–	246
031C0298	**236**	8	3525	100	4	3	213	180	74.0	65	74.0	–	246
031C0303	**250**	3	3020	75	3	3	85	194	17.0	51	17.0	–	260
031C0304	**250**	4	3525	100	4	3	111	194	23.0	65	23.0	–	260
031C0305	**250**	5	3525	100	4	3	136	194	35.5	65	35.5	–	260
031C0306	**250**	6	3525	100	4	3	162	194	48.5	65	48.5	–	260
031C0308	**250**	8	3525	100	4	3	213	194	74.0	65	74.0	–	260
031C0313	**265**	3	3525	100	4	1	85	209	10.0	65	10.0	179	275
031C0314	**265**	4	3525	100	4	3	111	209	23.0	65	23.0	–	275
031C0315	**265**	5	3525	100	4	3	136	209	35.5	65	35.5	–	275
031C0316	**265**	6	3525	100	4	3	162	209	48.5	65	48.5	–	275
031C0318	**265**	8	3525	100	4	3	213	209	74.0	65	74.0	–	275
031C0323	**280**	3	3525	100	4	1	85	224	10.0	65	10.0	187	290
031C0324	**280**	4	3525	100	4	3	111	224	23.0	65	23.0	–	290
031C0325	**280**	5	3525	100	4	3	136	224	35.5	65	35.5	–	290
031C0326	**280**	6	3525	100	4	3	162	224	48.5	65	48.5	170	290
031C0328	**280**	8	3525	100	4	3	213	224	74.0	65	74.0	–	290
031C0473	**300**	3	3525	100	4	8	85	244	10.0	65	10.0	187	310
031C0474	**300**	4	3525	100	4	7	111	244	23.0	65	23.0	187	310
031C0475	**300**	5	3525	100	4	7	136	244	35.5	65	35.5	187	310
031C0476	**300**	6	3525	100	4	7	162	244	48.5	65	48.5	187	310
031C0478	**300**	8	3525	100	4	7	213	244	74.0	65	74.0	216	310
031C0333	**315**	3	3525	100	4	8	85	259	10.0	65	10.0	187	325
031C0334	**315**	4	3525	100	4	7	111	259	23.0	65	23.0	187	325
031C0335	**315**	5	3525	100	4	7	136	259	35.5	65	35.5	187	325
031C0336	**315**	6	3525	100	4	7	162	259	48.5	65	48.5	187	325
031C0338	**315**	8	3525	100	4	7	213	259	74.0	65	74.0	216	325
031C0483	**335**	3	3525	100	4	8	85	279	10.0	65	10.0	187	345
031C0484	**335**	4	3525	100	4	7	111	279	23.0	65	23.0	187	345
031C0485	**335**	5	3525	100	4	7	136	279	35.5	65	35.5	187	345
031C0486	**335**	6	3525	100	4	7	162	279	48.5	65	48.5	187	345
031C0488	**335**	8	3525	100	4	7	213	279	74.0	65	74.0	216	345
031C0343	**355**	3	3525	100	4	8	85	299	10.0	65	10.0	187	365
031C0344	**355**	4	3525	100	4	7	111	299	23.0	65	23.0	187	365
031C0345	**355**	5	3525	100	4	7	136	299	35.5	65	35.5	187	365
031C0346	**355**	6	3525	100	4	7	162	299	48.5	65	48.5	187	365
031C0348	**355**	8	3525	100	4	7	213	299	74.0	65	74.0	216	365
031C0493	**375**	3	3525	100	4	8	85	319	10.0	65	10.0	187	385
031C0494	**375**	4	3525	100	4	7	111	319	23.0	65	23.0	187	385
031C0495	**375**	5	3525	100	4	7	136	319	35.5	65	35.5	187	385
031C0496	**375**	6	3525	100	4	7	162	319	48.5	65	48.5	216	385
031C0498	**375**	8	4030	115	4 1/2	7	213	319	68.5	76	68.5	242	385

Dimensions in millimetres unless otherwise stated. * Non-preferred pulley sizes.
All envelope, prime functional and Taper Lock bush dimensions are correct at the time of publication.
Non-functional dimensions may vary slightly.
These pulleys are designed to operate at rim speeds upto 40m/sec, for higher speeds contact your local authorised distributor.

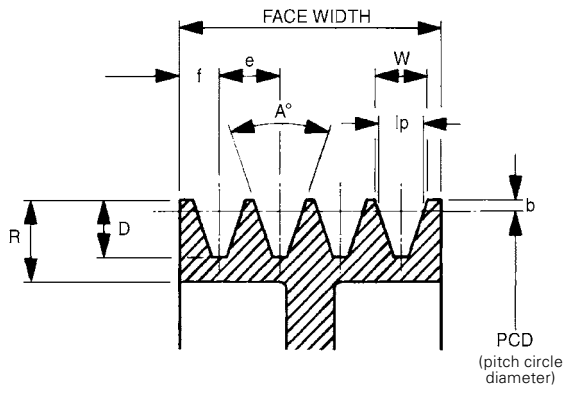
Pitch diameters in italic type indicate pulleys to be used with C V belts, XPC & QXPC wedge belts only.

Taper Lock Pulleys for C, SPC, XPC, QXPC & USPC Belts

Catalogue Code	Pitch Dia (P)	No. of Grooves	Bush No.	Max. Bore		Type	F	J	K	L	M	N	Outside Dia (O)
				Metric	Inch								
031C0353	**400**	3	3525	100	4	4	85	344	10.0	65	10.0	187	410
031C0354	**400**	4	3525	100	4	5	111	344	23.0	65	23.0	187	410
031C0355	**400**	5	3525	100	4	5	136	344	35.5	65	35.5	187	410
031C0356	**400**	6	3525	100	4	7	162	344	48.5	65	48.5	216	410
031C0358	**400**	8	4030	115	4 1/2	7	213	344	68.5	76	68.5	242	410
031C0503	**425**	3	3525	100	4	4	85	369	10.0	65	10.0	187	435
031C0504	**425**	4	3525	100	4	5	111	369	23.0	65	23.0	187	435
031C0505	**425**	5	3525	100	4	5	136	369	35.5	65	35.5	216	435
031C0506	**425**	6	4535	125	5	7	162	369	36.5	89	36.5	242	435
031C0508	**425**	8	4535	125	5	7	213	369	62.0	89	62.0	267	435
031C0363	**450**	3	3525	100	4	4	85	394	10.0	65	10.0	187	460
031C0364	**450**	4	3525	100	4	5	111	394	23.0	65	23.0	187	460
031C0365	**450**	5	3525	100	4	5	136	394	35.5	65	35.5	216	460
031C0366	**450**	6	4535	125	5	7	162	394	36.5	89	36.5	242	460
031C0368	**450**	8	4535	125	5	7	213	394	62.0	89	62.0	267	460
031C0513	**475**	3	3525	100	4	4	85	419	10.0	65	10.0	187	485
031C0514	**475**	4	3525	100	4	5	111	419	23.0	65	23.0	187	485
031C0515	**475**	5	3525	100	4	5	136	419	35.5	65	35.5	216	485
031C0516	**475**	6	4535	125	5	7	162	419	36.5	89	36.5	242	485
031C0518	**475**	8	4535	125	5	7	213	419	62.0	89	62.0	267	485
031C0373	**500**	3	3525	100	4	4	85	444	10.0	65	10.0	187	510
031C0374	**500**	4	3525	100	4	5	111	444	23.0	65	23.0	187	510
031C0375	**500**	5	3525	100	4	5	136	444	35.5	65	35.5	216	510
031C0376	**500**	6	4535	125	5	5	162	444	36.5	89	36.5	242	510
031C0378	**500**	8	4535	125	5	7	213	444	62.0	89	62.0	267	510
031C0523	**530**	3	3525	100	4	4	85	474	10.0	65	10.0	187	540
031C0524	**530**	4	3525	100	4	5	111	474	23.0	65	23.0	187	540
031C0525	**530**	5	4535	125	5	5	136	474	23.5	89	23.5	216	540
031C0526	**530**	6	4535	125	5	5	162	474	36.5	89	36.5	242	540
031C0528	**530**	8	4535	125	5	7	213	474	62.0	89	62.0	267	540
031C0383	**560**	3	3525	100	4	4	85	504	10.0	65	10.0	216	570
031C0384	**560**	4	3525	100	4	5	111	504	23.0	65	23.0	216	570
031C0385	**560**	5	4535	125	5	5	136	504	23.5	89	23.5	242	570
031C0386	**560**	6	4535	125	5	5	162	504	36.5	89	36.5	267	570
031C0388	**560**	8	4535	125	5	5	213	504	62.0	89	62.0	267	570
031C0393	**630**	3	4030	115	4 1/2	4	85	574	4.5	76	4.5	246	640
031C0394	**630**	4	4030	115	4 1/2	4	111	574	17.5	76	17.5	242	640
031C0395	**630**	5	4535	125	5	5	136	574	23.5	89	23.5	267	640
031C0396	**630**	6	4535	125	5	5	162	574	36.5	89	36.5	267	640
031C0398	**630**	8	4535	125	5	5	213	574	62.0	89	62.0	267	640
031C0413	**800**	3	4535	125	5	4	85	737	2.0	89	2.5	242	810
031C0414	**800**	4	5040	125	5	4	111	737	4.5	102	4.5	267	810
031C0415	**800**	5	5040	125	5	5	136	737	17.0	102	17.0	267	810
031C0416	**800**	6	5040	125	5	5	162	737	30.0	102	30.0	267	810
031C0418	**800**	8	5040	125	5	5	213	737	55.5	102	55.5	267	810
031C0433	**1000**	3	5040	125	5	4	85	937	8.5	102	8.5	267	1010
031C0434	**1000**	4	5040	125	5	4	111	937	4.5	102	4.5	267	1010
031C0435	**1000**	5	5040	125	5	5	136	937	17.0	102	17.0	267	1010
031C0436	**1000**	6	5040	125	5	5	162	937	30.0	102	30.0	267	1010
031C0438	**1000**	8	5040	125	5	5	213	937	55.5	102	55.5	267	1010
031C0443	**1250**	3	5040	125	5	4	85	1187	8.5	102	8.5	267	1260
031C0444	**1250**	4	5040	125	5	4	111	1187	4.5	102	4.5	267	1260
031C0445	**1250**	5	5040	125	5	5	136	1187	17.0	102	17.0	267	1260
031C0446	**1250**	6	5040	125	5	5	162	1187	30.0	102	30.0	267	1260
031C0448	**1250**	8	5040	125	5	5	213	1187	55.5	102	55.5	267	1260

Dimensions in millimetres unless otherwise stated.
Intermediate diameters available on a non-stock basis, see page 69
All envelope, prime functional and Taper Lock bush dimensions are correct at the time of publication. Non-functional dimensions may vary slightly.

Pulley Groove Dimensions



Belt Section	Pulley PCD	A° ± 0.5°	D +0.03 -0.0	e* ± 0.15	f ± 0.3	b ± 0.13	lp	W	R NOM
SPZ Dual Groove	Up to 80 Over 80	34 38	11.0	12	8	2.0	8.5	9.7 9.9	17.25
SPA Dual Groove	Up to 118 Over 118	34 38	13.75	15	10	2.75	11	12.7 12.9	21.25
SPB Dual Groove	Up to 190 Over 190	34 38	17.5	19	12.5	3.5	14	16.1 16.4	27.25
SPC Dual Groove	Up to 315 Over 315	34 38	23.8	25.5	17	4.8	19	21.9 22.3	37.25

*e dimension – the tolerance shown is between any two grooves.

Additional Taper Lock Pulley Sizes

Additional SPZ Pulley Sizes

Product Code	Description	Bush Size
031Z0064	SPZ 63 X 4	1108
031Z0074	SPZ 67 X 4	1108
031Z0084	SPZ 71 X 4	1108
031Z0094	SPZ 75 X 4	1210
031Z0126	SPZ 90 X 6	1610
031Z0136	SPZ 95 X 6	1610
031Z0146	SPZ 100 X 6	2012
031Z0156	SPZ 106 X 6	2012
031Z0166	SPZ 112 X 6	2012
031Z0176	SPZ 118 X 6	2517
031Z0186	SPZ 125 X 6	2517
031Z0196	SPZ 132 X 6	2517
031Z0206	SPZ 140 X 6	2517
031Z0211	SPZ 150 X 1	1610
031Z0212	SPZ 150 X 2	2012
031Z0213	SPZ 150 X 3	2012
031Z0214	SPZ 150 X 4	2517
031Z0215	SPZ 150 X 5	2517
031Z0216	SPZ 150 X 6	2517
031Z0226	SPZ 160 X 6	2517
031Z0231	SPZ 170 X 1	1610
031Z0232	SPZ 170 X 2	2012
031Z0233	SPZ 170 X 3	2012
031Z0234	SPZ 170 X 4	2517
031Z0235	SPZ 170 X 5	2517
031Z0236	SPZ 170 X 6	2517
031Z0246	SPZ 180 X 6	2517
031Z0251	SPZ 190 X 1	1610
031Z0252	SPZ 190 X 2	2012
031Z0253	SPZ 190 X 3	2012
031Z0254	SPZ 190 X 4	2012
031Z0255	SPZ 190 X 5	2517
031Z0256	SPZ 190 X 6	2517
031Z0266	SPZ 200 X 6	2517
031Z0281	SPZ 224 X 1	2012
031Z0282	SPZ 224 X 2	2012
031Z0283	SPZ 224 X 3	2012
031Z0284	SPZ 224 X 4	2517
031Z0285	SPZ 224 X 5	2517
031Z0286	SPZ 224 X 6	2517
031Z0306	SPZ 250 X 6	2517
031Z0321	SPZ 280 X 1	2012
031Z0322	SPZ 280 X 2	2012
031Z0323	SPZ 280 X 3	2517
031Z0324	SPZ 280 X 4	2517
031Z0325	SPZ 280 X 5	2517
031Z0326	SPZ 280 X 6	2517
031Z0336	SPZ 315 X 6	2517
031Z0341	SPZ 355 X 1	2012
031Z0342	SPZ 355 X 2	2012
031Z0343	SPZ 355 X 3	2517
031Z0344	SPZ 355 X 4	2517
031Z0345	SPZ 355 X 5	2517
031Z0346	SPZ 355 X 6	2517
031Z0356	SPZ 400 X 6	3020
031Z0361	SPZ 450 X 1	2517
031Z0362	SPZ 450 X 2	2517
031Z0363	SPZ 450 X 3	2517
031Z0364	SPZ 450 X 4	3020
031Z0365	SPZ 450 X 5	3020
031Z0366	SPZ 450 X 6	3020
031Z0371	SPZ 500 X 1	2517
031Z0376	SPZ 500 X 6	3020
031Z0392	SPZ 630 X 2	2517
031Z0396	SPZ 630 X 6	3525

Additional SPA Pulley Sizes

Product Code	Description	Bush Size
031A0081	SPA 71 X 1	1108
031A0082	SPA 71 X 2	1108
031A0083	SPA 71 X 3	1108
031A0091	SPA 75 X 1	1108
031A0092	SPA 75 X 2	1108
031A0093	SPA 75 X 3	1108
031A0104	SPA 80 X 4	1210
031A0114	SPA 85 X 4	1210
031A0231	SPA 170 X 1	1610
031A0232	SPA 170 X 2	2012
031A0233	SPA 170 X 3	2517
031A0234	SPA 170 X 4	2517
031A0235	SPA 170 X 5	3020
031A0236	SPA 170 X 6	3020
031A0251	SPA 190 X 1	2012
031A0252	SPA 190 X 2	2012
031A0253	SPA 190 X 3	2517
031A0254	SPA 190 X 4	3020
031A0255	SPA 190 X 5	3020
031A0256	SPA 190 X 6	3020
031A0271	SPA 212 X 1	2012
031A0272	SPA 212 X 2	2517
031A0273	SPA 212 X 3	2517
031A0274	SPA 212 X 4	3020
031A0275	SPA 212 X 5	3020
031A0276	SPA 212 X 6	3020
031A0291	SPA 236 X 1	2012
031A0292	SPA 236 X 2	2517
031A0293	SPA 236 X 3	2517
031A0294	SPA 236 X 4	3020
031A0295	SPA 236 X 5	3020
031A0296	SPA 236 X 6	3020
031A0311	SPA 265 X 1	2012
031A0312	SPA 265 X 2	2517
031A0313	SPA 265 X 3	2517
031A0314	SPA 265 X 4	3020
031A0315	SPA 265 X 5	3020
031A0316	SPA 265 X 6	3020
031A0472	SPA 300 X 2	2517
031A0473	SPA 300 X 3	3020
031A0474	SPA 300 X 4	3020
031A0475	SPA 300 X 5	3525
031A0476	SPA 300 X 6	3525
031A0481	SPA 335 X 1	2012
031A0482	SPA 335 X 2	2517
031A0483	SPA 335 X 3	3020
031A0484	SPA 335 X 4	3020
031A0485	SPA 335 X 5	3525
031A0486	SPA 335 X 6	3525
031A0341	SPA 355 X 1	2012
031A0342	SPA 355 X 2	2517
031A0343	SPA 355 X 3	3020
031A0344	SPA 355 X 4	3020
031A0345	SPA 355 X 5	3525
031A0346	SPA 355 X 6	3525
031A0361	SPA 450 X 1	2012
031A0362	SPA 450 X 2	2517
031A0363	SPA 450 X 3	3020
031A0364	SPA 450 X 4	3020
031A0365	SPA 450 X 5	3525
031A0366	SPA 450 X 6	3525
031A0371	SPA 500 X 1	2517
031A0381	SPA 560 X 1	2517
031A0382	SPA 560 X 2	3020
031A0383	SPA 560 X 3	3020
031A0384	SPA 560 X 4	3525
031A0385	SPA 560 X 5	3525
031A0386	SPA 560 X 6	3525
031A0391	SPA 630 X 1	2517
031A0412	SPA 800 X 2	3525
031A1433	**SPA 1000 X 3**	**3535**
031A1434	**SPA 1000 X 4**	**4040**
031A1435	**SPA 1000 X 5**	**4545**
031A1436	**SPA 1000 X 6**	**4545**

Additional Taper Lock Pulleys Sizes

Additional SPB Pulley Sizes

Product Code	Description	Bush Size
031B0141	SPB 100 X 1	1610
031B0142	SPB 100 X 2	1610
031B0143	SPB 100 X 3	1610
031B0144	SPB 100 X 4	1210
031B0151	SPB 106 X 1	1610
031B0152	SPB 106 X 2	1610
031B0153	SPB 106 X 3	1610
031B0154	SPB 106 X 4	1610
031B0161	SPB 112 X 1	1610
031B0164	SPB 112 X 4	1610
031B0171	SPB 118 X 1	1610
031B0174	SPB 118 X 4	1610
031B0181	SPB 125 X 1	1610
031B0186	SPB 125 X 6	2012
031B0191	SPB 132 X 1	1610
031B0196	SPB 132 X 6	2012
031B0201	SPB 140 X 1	1610
031B0211	SPB 150 X 1	1610
031B0221	SPB 160 X 1	1610
031B0228	SPB 160 X 8	3020
031B1228	SPB 160 X 8	3030
031B0231	SPB 170 X 1	1610
031B0238	SPB 170 X 8	3020
031B0241	SPB 180 X 1	1610
031B0251	SPB 190 X 1	2012
031B0261	SPB 200 X 1	2012
031B0271	SPB 212 X 1	2012
031B0281	SPB 224 X 1	2012
031B0291	SPB 236 X 1	2012
031B0301	SPB 250 X 1	2012
031B0312	SPB 265 X 2	2517
031B0313	SPB 265 X 3	3020
031B0314	SPB 265 X 4	3020
031B0315	SPB 265 X 5	3525
031B0316	SPB 265 X 6	3525
031B0318	SPB 265 X 8	3525
031B0321	SPB 280 X 1	2012
031B0331	SPB 315 X 1	2012
031B0403	SPB 710 X 3	3525
031B0404	SPB 710 X 4	3525
031B0405	SPB 710 X 5	4030
031B0406	SPB 710 X 6	4535
031B0408	SPB 710 X 8	4535
031B0412	SPB 800 X 2	3525
031B0423	SPB 900 X 3	3525
031B0424	SPB 900 X 4	4030
031B0425	SPB 900 X 5	4535
031B0426	SPB 900 X 6	4535
031B0428	SPB 900 X 8	4535
031B0443	SPB 1250 X 3	5040
031B0444	SPB 1250 X 4	5040
031B0445	SPB 1250 X 5	5040
031B0446	SPB 1250 X 6	5040
031B0448	SPB 1250 X 8	5040
031B0471	SPB 300 X 1	2012
031B0472	SPB 300 X 2	2517
031B0473	SPB 300 X 3	3020
031B0474	SPB 300 X 4	3525
031B0475	SPB 300 X 5	3525
031B0476	SPB 300 X 6	3252
031B0478	SPB 300 X 8	3525
031C1470	SPC 300 X 10	4040
031B0482	SPB 335 X 2	3020
031B0483	SPB 335 X 3	3020
031B0484	SPB 335 X 4	3525
031B0486	SPB 335 X 6	3525
031B0488	SPB 335 X 8	3525

Additional SPC Pulley Sizes

Product Code	Description	Bush Size
031C0268	SPC 200 X 8	3525
031C0278	SPC 212 X 8	3525
031C1280	SPC 224 X 10	4040
031C0290	SPC 236 X 10	4040
031C1300	**SPC 250 X 10**	**4040**
031C1310	**SPC 265 X 10**	**4040**
031C1320	**SPC 280 X 10**	**4040**
031C1470	**SPC 300 X 10**	**4040**
031C1330	**SPC 315 X 10**	**4545**
031C1480	**SPC 335 X 10**	**4545**
031C1340	**SPC 355 X 10**	**4545**
031C1490	**SPC 375 X 10**	**4545**
031C1350	**SPC 400 X 10**	**5050**
031C1500	**SPC 425 X 10**	**5050**
031C1360	**SPC 450 X 10**	**5050**
031C1510	**SPC 475 X 10**	**5050**
031C1370	**SPC 500 X 10**	**5050**
031C1520	**SPC 530 X 10**	**5050**
031C1380	**SPC 560 X 10**	**5050**
031C1390	**SPC 630 X 10**	**5050**
031C1400	**SPC 710 X 10**	**5050**
031C0403	SPC 710 X 3	4030
031C0404	SPC 710 X 4	4535
031C0405	SPC 710 X 5	5040
031C0406	SPC 710 X 6	5040
031C0408	SPC 710 X 8	5040
031C1410	**SPC 800 X 10**	**5050**
031C0423	SPC 900 X 3	5040
031C0424	SPC 900 X 4	5040
031C0425	SPC 900 X 5	5040
031C0426	SPC 900 X 6	5040
031C0428	SPC 900 X 8	5040
031C0420	**SPC 900 X 10**	**5040**
031C1430	**SPC 1000 X 10**	**5050**
031C1440	**SPC 1250 X 10**	**5050**

These additional sizes of Taper Lock® vee pulleys are readily available but are not stocked at all distribution outlets.

Sizes in bold type use long series Taper Lock® bushes.

10 groove SPB pulleys with long series Taper Lock® bushes are also available in diameters from 200mm to 1250mm.

PowerTwist PLUS® Belting

PowerTwist PLUS belting incorporates the most up-to-date materials available, giving it unique qualities of resistance to many of the adverse working conditions that belts are subject to, and properties that were deficient in earlier designs of link belts. These link belts are complementary to the range of Fenner wedge and Vee Belts and are extensively used in industrial, marine, agricultural and heating & ventilation applications.

Advantages of PowerTwist PLUS Link Belts

Adjustable to any length, adaptable to any drive

Fit the belts to the drive, not the drive to the belts.

Drive elements can be located most effectively and belts installed without removing bearings.

No Slippage

Quick, easy length adjustment minimises belt creep to guarantee full speed and full productivity of machines.

Minimum Inventory

Four boxes of link belting can replace hundreds of fixed length, endless V-Belts. Boxes can be stored easily, providing simplified visual control of inventory.

Vibration

Fenner link belts are manufactured to extemely close tolerances.

The design of the belt significantly reduces transmissible vibrations in some applications.

Long Lasting Construction

The extreme flexibility of these belts greatly reduces belt stress, heat build up and fatigue. The construction of the belts is designed to dissipate heat.

Maximum Power Delivery

On multiple belt drives it is easy to maintain correct tension on all belts. Each belt carries its required load, for maximum power delivery and longest life.

Temperature

Power Twist Plus will operate in temperatures from - 40 to 110^{0}C.

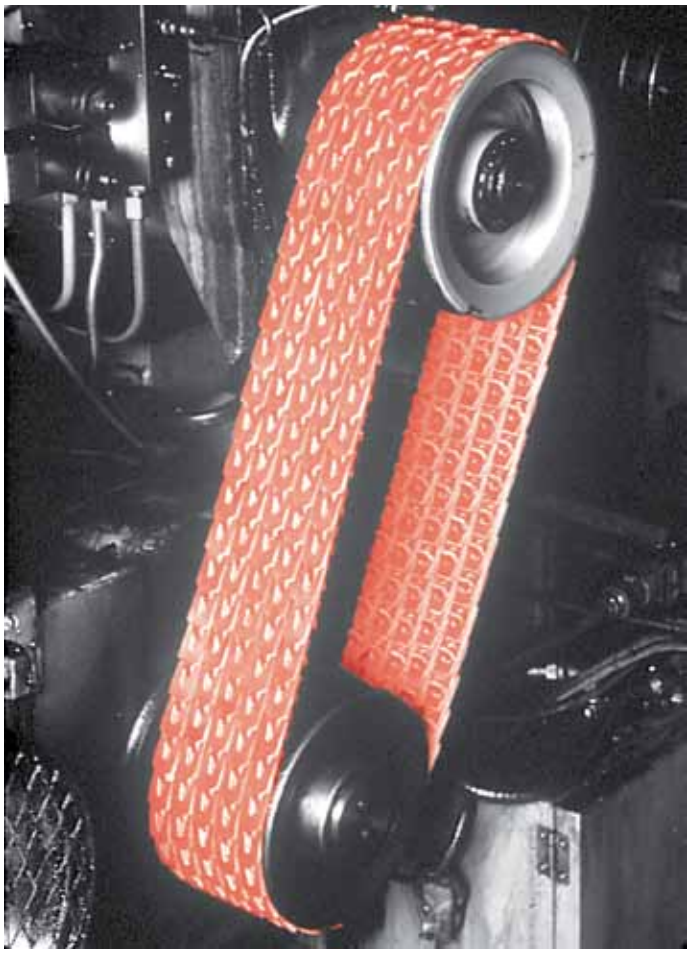
Water, Chemical & Oil Resistance

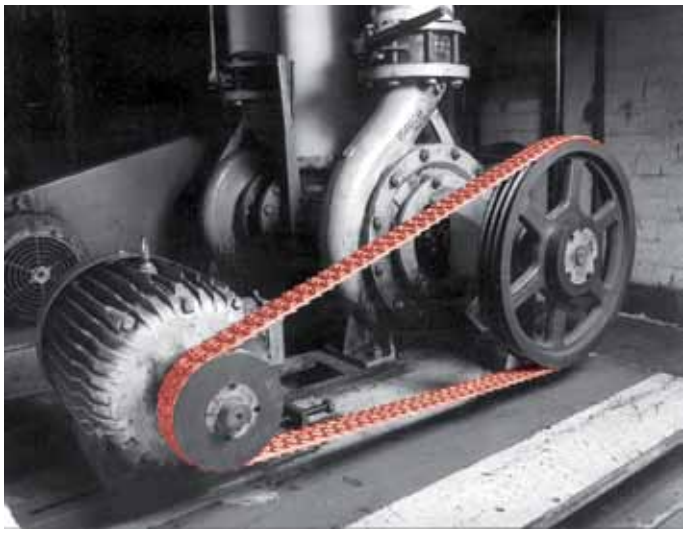
This belt will not degrade if immersed in water or if in contact with oil, grease, agricultural chemicals and common solvents.

Economical Lengths

PowerTwist belting is also available in economical lengths.

Boxed in 10 metre lengths, ideal for display or mobile maintenance engineers.





Special Types

Double V Section

For use on serpentine drives with both sides of the belt engaging in V pulley grooves.

AA; BB & CC sections.

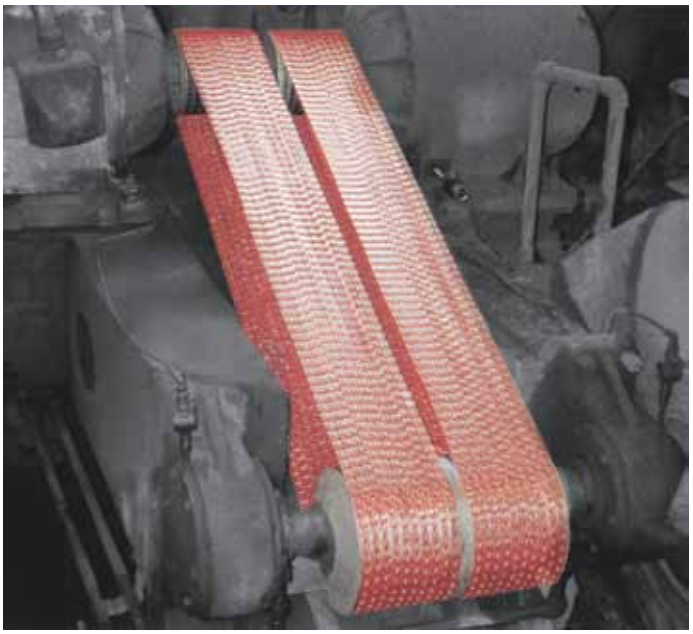
Ground Round

Designed specifically to replace round profile rubber or leather belts on "rope" drives.

8mm, 9.5mm, 12.5mm, 14mm & 19mm diameters.

High grip, or PTFE top layer coatings available for conveying applications.

PowerTwist PLUS® Belting



PowerTwist Plus link V-Belts are manufactured from an exclusive, high strength urethane/polyester composite. This makes PowerTwist Plus an incredibly strong, yet flexible belt that will take on the roughest of working conditions.

PowerTwist Plus V-Belt's unique cross-lock design gives a raw edge cog construction which provides excellent durability and performance, delivering higher power ratings than almost any other link type V-Belts on the market. When the tension is applied to the belt, the cross-link design locks tightly thus producing the lowest stretch of any link V-Belt.

PowerTwist Plus V-Belts save time on installation because no special tools are required, all that is needed is a quick twist both to couple or uncouple the belt and this is easily achieved in seconds.

Available from stock in Z, A, B and C sections, for use in standard dual groove pulleys. See pages 62-69.

Rev/min of faster shaft	Rated Power (kW) Per Belt for Small Pulley Pitch Diameter (mm)																
	Z Section			A Section					B Section					C Section			
	56	71	90	80	90	95	106	125	125	150	170	190	212	200	215	224	250
950	0.15	0.22	0.32	0.84	1.06	1.17	1.41	1.82	2.19	3.11	3.84	4.54	5.30	6.46	7.42	7.99	9.62
1450	0.21	0.32	0.45	1.15	1.46	1.63	1.97	2.55	2.94	4.24	5.25	6.23	7.26	8.41	9.72	10.48	12.61
2850	0.34	0.52	0.72	1.77	2.32	2.60	3.17	4.12	4.18	6.17	7.61						
600	0.10	0.16	0.22	0.59	0.74	0.81	0.98	1.25	1.55	2.17	2.66	3.15	3.66	4.63	5.29	5.69	6.82
800	0.13	0.19	0.28	0.74	0.93	1.03	1.23	1.58	1.93	2.73	3.36	3.97	4.63	5.73	6.56	7.07	8.49
1000	0.16	0.24	0.34	0.87	1.10	1.22	1.47	1.90	2.27	3.24	3.99	4.73	5.52	6.69	7.69	8.28	9.97
1200	0.18	0.28	0.39	1.00	1.27	1.41	1.70	2.20	2.59	3.71	4.58	5.43	6.34	7.53	8.68	9.36	11.27
1400	0.20	0.31	0.44	1.12	1.42	1.58	1.92	2.48	2.87	4.15	5.12	6.07	7.08	8.25	9.52	10.28	12.37
1600	0.22	0.34	0.48	1.22	1.57	1.74	2.12	2.75	3.13	4.53	5.62	6.66	7.76	8.85	10.23	11.04	13.27
1800	0.25	0.38	0.53	1.33	1.71	1.90	2.31	3.01	3.36	4.89	6.07	7.18	8.34	9.32	10.78	11.63	13.95
2000	0.27	0.41	0.57	1.42	1.84	2.05	2.50	3.24	3.58	5.22	6.47	7.65	8.87	9.66	11.19	12.06	
2200	0.28	0.44	0.61	1.51	1.97	2.19	2.67	3.47	3.76	5.50	6.82	8.05	9.30	9.87	11.42		
2400	0.31	0.46	0.65	1.60	2.08	2.33	2.83	3.68	3.92	5.76	7.13	8.39					
2600	0.32	0.49	0.69	1.68	2.19	2.45	2.99	3.89	4.06	5.97	7.37						
2800	0.34	0.51	0.72	1.75	2.30	2.57	3.13	4.07	4.16	6.14	7.57						
3000	0.35	0.54	0.74	1.82	2.39	2.68	3.27	4.25	4.24	6.27							
3200	0.37	0.56	0.76	1.89	2.48	2.77	3.39	4.41	4.30								
3400	0.37	0.57	0.78	1.94	2.56	2.87	3.51	4.55	4.33								
3600	0.69	0.59	0.80	1.99	2.63	2.95	3.62	4.68	4.32								
3800	0.40	0.60	0.81	2.04	2.70	3.03	3.71	4.79									
4000	0.40	0.61	0.81	2.08	2.76	3.10	3.80										

Selection

To design a Fenner Power Twist Plus drive simply refer to the wedge belt selection procedure (pages 38-39) utilising the power ratings given above.
For applications that would benefit from the advantages of modern link belting, but require SP (wedge) type belt ratings, consult your local Authorised Distributor.

Installation

Please see page 78

Adjustable Pitch Pulleys and Bi-Loc Pulleys

General

The LP adjustable pulley is used in conjunction with standard Taper Lock dual groove pulleys, pages 62-69, and Fenner Classic V-belts to allow small adjustments to driven speed from fixed speed prime movers.

Construction

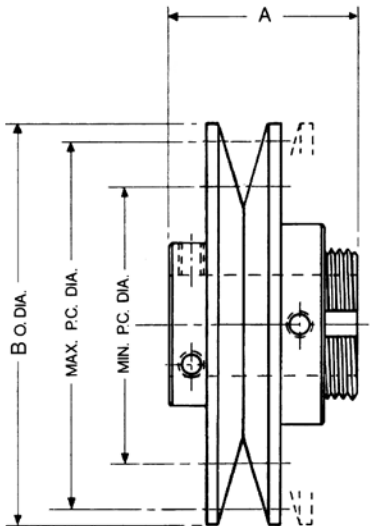
Made from grey cast iron, these pulleys have one fixed flank, and an opposite flank which can be adjusted by screw thread, with the drive stationary, and then fixed in position.

Installation and Use

Pulleys are supplied pilot bored for reboring/ keywaying as appropriate.

Drive centre distance adjustment is used to maintain correct belt tension if pulley diameter is changed.

Note that the belt centre line shifts when diameter changes. Driven pulley may need realignment.



Catalogue Code	Pulley Designation	Belt Section	Max PCD	Min PCD	A	D	Min bore	Max bore
048A0000	LP80/93A	Z A	78 85	54 60	35	93	10	24
048B0000	LP95/108A	Z A	92 100	68 71	35	108	10	28
048C0000	LP112/120A	Z A	104 112	80 85	35	120	12	28
048D0000	LP132/138A	Z A	122 130	100 100	38	138	16	42
048E0000	LP160/180B	A B	158 170	128 132	45	180	18	48

Bores are to F7 limits, Dimensions in millimetres.
* Stock pulleys are minimum bore without shaft grub screw holes. They can be supplied bored to size with tapped holes on request.

Catalogue Code	Pulley Designation	Belt Section	960 rev/min		1440 rev/min		2880 rev/min	
			Max pcd	Min pcd	Max pcd	Min pcd	Max pcd	Min pcd
048A0000	LP80/93A	Z	0.89	0.43	1.21	0.54	1.96	0.74
		A	1.11	0.41	1.49	0.50	2.20	0.55
048B0000	LP95/108A	Z	1.18	0.67	1.63	0.92	2.74	1.49
		A	1.60	0.73	2.19	0.89	3.38	1.07
048C0000	LP112/120A	Z	1.14	0.93	1.95	1.29	2.70	2.11
		A	1.98	1.11	2.74	1.49	4.28	2.20
048D0000	LP132/138A	Z	1.65	1.34	2.35	1.88	3.77	3.10
		A	2.51	1.60	3.50	2.19	5.56	3.38
048E0000	LP160/180B	A	3.20	2.40	4.50	3.40	7.10	5.30
		B	4.71	2.88	6.42	3.86	8.91	5.29

For other than smooth load 10 hours per day applications, the above powers should be derated by 25%.

Bi-Loc Pulleys

The Fenner Bi-Loc system employs lightweight cast iron pulleys with 'Quadruple Duty' Grooves for A/SPA and B/SPB section belts. Twin-tapered steel bushes with metric and Imperial bores are used to mount single, double or different diameter pulleys on one shaft. A shrunk-on fit is achieved without keys or grub screws. Only a spanner is needed for fitting and removal.

- Mount single, double or different diameter pulleys on one bush.
- Use retainer and screws for single pulley assembly.
- Use bolts for double groove pulley assembly.

Pitch Diameter		Outside Dia. †	Bush No
A/SPA actual	B/SPB* nominal		
71	81	88	1 Bore range 10 - 28mm
75	85	92	
80	90	97	
85	95	102	
90	100	107	
95	105	112	
100	110	117	
106	116	123	
112	122	129	
118	128	135	
125	135	142	
132	142	149	
140	150	157	2 Bore range 16 - 42mm
150	160	167	
160	170	177	
180	190	197	
200	209	216	
224	233	240	
250	259	266	
280	289	296	
315	324	331	
355	364	371	
400	409	416	
450	459	466	

* for actual B/SPB pitch diameter deduct 0.25mm
† for actual outside diameter deduct 0.32mm

Urethane Belting

Urethane Belting

- Very high coefficient of friction.
- Reinforced urethanes with high load carrying capacity.
- High chemical resistance

  Heat, moisture and ultra-violet light resistant.
- Wide range of sections and material types available.
- Useful for power transmission and conveyor applications.
- Customised design available in-house
- Most materials FDA/USDA approved
- Joined by butt or overlap welding or special metal fasteners.

The Range

Round Section	2 - 20mm diameter
	80, 85, 89, 90, 95 hardness grades
	Plain and textured surfaces
	'Quick Connect' hollow type with metal fasteners
Twisted O Rings	Many colours and clear
Other Sections	Trapezoidal 3L,Z, A, B, C, D, E sections
	Hexagonal AA, BB sections
	Crown top, ridge top, ribbed top, ribbed back etc,

Many colours

Solid PU or textile reinforced

Applications

- Conveying light or delicate products
- Light power transmission
- Can-cable for canning lines
- Driving conveyor rolls
- Conveying abrasive materials

Butt Welding Kits

- Includes clamps, hot knife (240v - 110v available), flash cutter, shears - in a handy carrying case
- Overlap welding kit also available

NOTE: Quantity requirements can be supplied ready welded to size.

Fenner Wedge and Vee-Belt Tensioning Instructions

"One-Shot" Tensioning

Fenner PB belts are Precision Built to ensure inherent length stability and matching during storage and on the drive. Over many years, the principle of "one-shot" tensioning has been verified by successful drives the world over.

- Install the belts to be a snug fit around the pulleys.
- Spin the pulleys 3-4 revolutions to bed belts into the pulley grooves.
  (Note: if done manually, beware of finger entrapment between belts and pulleys)
- Tension the belts to the 1.25x setting forces from the table.
- Run the drive under load for 15-20 minutes.
- Stop the drive, check tension & reset to the basic value (standard V and wedge belts) if necessary. CRE PLUS & Quattro PLUS belts should be reset to the 1.25x value.

With a drive that is properly designed for the application there should be no need for further attention during the life of the belts.

For short centre distance drives where the deflection of the belt is too small to measure accurately it is recommended that both deflection and setting force be doubled.

Method of belt tensioning using Fenner Belt Tension Indicator

- Calculate the deflection in mm on a basis of 16mm per metre of centre distance. Centre distance (metres) x 16 = deflection (mm).
- Set the lower marker ring at the deflection distance required in mm on the lower scale.
- Set the upper marker ring against the bottom edge of the top tube.
- Place the belt tension indicator on top of the belt at the centre of span, and apply a force at right angles to the belt, deflecting it to the point where the lower marker ring is level with the top of an adjacent belt.
- Read off the setting force value indicated by the top edge of the upper marker ring.
- Compare this force to the kgf value shown in the table.
- If a Fenner Belt Tension Indicator is not available, a spring balance and rule will suffice.

NOTES:

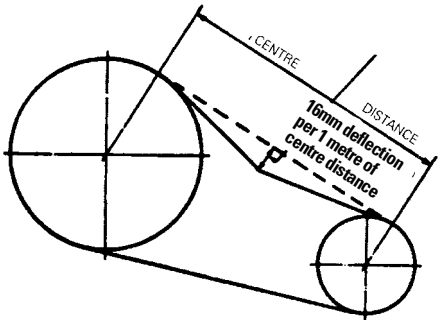
For single belt drives a straight edge should be placed across the two pulleys to act as a datum for measuring the amount of deflection.

If the measured force falls within the values given, the drive should be satisfactory. A measured force below the basic value indicates under-tensioning.

A new drive should be tensioned to the 1.25x value to allow for the normal drop in tension during the running-in period.

After the drive has been running for 15–20 minutes, under load the tension should be checked and re-adjusted, if necessary.

BELT TENSION INDICATOR APPLIES
SETTING FORCE AT MID CENTRE DISTANCE



The setting forces below are designed to cover a wide range of drives. A precise setting force for individual applications can be calculated. Please consult your local Authorised Distributor or use the 'Fenner Select' design software at

www.fptgroup.com

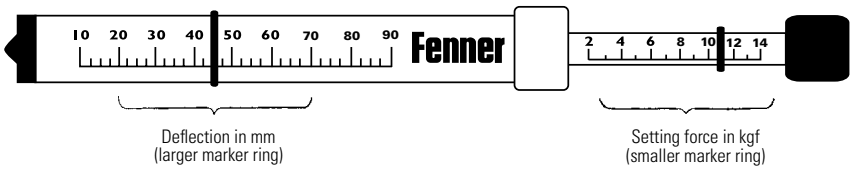
Setting Forces Ultra PLUS 150

Belt Section	Setting force to deflect belt 16 mm per metre of span		
	Small pulley diameter (mm)	Basic setting forces	
		Newtons (N)	kilograms (kgf)
USPB	112 to 160	44	4.5
	170 to 224	54	5.5
	236 to 355	64	6.5
	over 355	69	7.0
USPC	224 to 250	74	7.5
	265 to 355	93	9.5
	over 375	118	12.0

Setting Forces

Belt Section	Setting force to deflect belt 16 mm per metre of span				
	Small pulley diameter (mm)	Basic setting forces		1.25 x setting forces	
		Newtons (N)	kilograms (kgf)	Newtons (N)	kilograms (kgf)
SPZ XPZ & QXPZ	56 to 71	16	1.6	20	2.0
	75 to 90	18	1.8	22	2.2
	95 to 125	20	2.0	25	2.5
	over 125	22	2.2	28	2.8
SPA, XPA & QXPA	80 to 100	22	2.2	28	2.8
	106 to 140	30	3.0	38	3.9
	150 to 200	36	3.7	45	4.6
	over 200	40	4.0	50	5.1
SPB, XPB& QXPB	112 to 160	40	4.0	50	5.1
	170 to 224	50	5.1	62	6.3
	236 to 355	62	6.3	77	7.9
	over 355	65	6.6	81	8.3
SPC, & QXPC	224 to 250	70	7.1	87	8.9
	265 to 355	92	9.4	115	12.0
	over 375	115	12.0	144	15.0
8V	335 & above	150	15.0	190	19.0
Z	56 to 100	5 to 7.5	0.5 to 0.8		
A (& HA banded)	80 to 140	10 to 15	1.0 to 1.5		
B	125 to 200	20 to 30	2.0 to 3.1		
C	200 to 400	40 to 60	4.1 to 6.1		
D	355 to 600	70 to 105	7.1 to 10.7		

Fenner Belt Tension Indicator



Troubleshooting

Small radial cracks on belt side and base

Generally caused by slippage due to insufficient belt tension, but excessive heat and/or chemical fumes can also cause the same problem.

Belt swelling or softening

Caused by excessive contamination by oil, certain cutting fluids, water or rubber solvent.

Whip during running

Often caused by incorrect tensioning, particularly on long centre drives. If a slightly higher (or lower) tension does not cure the problem there may be a critical vibration frequency in the system which requires re-design or use of banded belts. Consult your local Authorised Distributor Technical Services.

Pulleys

Pulley groove wear can cause rapid belt failure. Check grooves for wear with a Fenner groove gauge.

Installation and Operation of Wedge and Vee-Belt Drives

Although comparatively old in principle today's belt drive is an extremely efficient method of transmitting power between prime mover and machinery.

It owes its present high performance standards to many years of research and development by engineers and technologists, leading to significant refinements in materials and processes.

To derive maximum benefit from such advances it is important that the simple installation and operation procedures set out here are closely followed. Making these routines standard practice will ensure optimum performance and long, trouble-free life from Fenner belt drives.

The modern wedge belt drive is a highly efficient power transmission medium, but optimum performance will not be achieved without correct tension and alignment.

Installation

PULLEYS

Before assembling the drive, check the pulley grooves are free from scores or sharp edges, and all dimensions conform to the relevant standard.

Drive installation is straightforward with Taper Lock – but follow all steps on the installation leaflet provided with every Taper Lock bush.

ALIGNMENT

Good alignment of pulleys is important to avoid belt flank wear. The diagrams opposite show some of the common alignment faults.

Pulley misalignment should not exceed 1/2° angular and 10mm / metre drive centre distance, axial.

A laser alignment device is available, which facilitates quick, easy and accurate pulley alignment - consult your local Authorised Distributor.

BELT INSTALLATION

When the pulleys have been correctly positioned on the shafts, the belts can be installed to complete the drive.

The drive centre distance should be reduced prior to the installation of the belts so that they may be fitted without the use of force. Under no circumstances must belts be prised into the grooves. Belts and pulley grooves can easily be damaged by using sharp tools to stretch the belts over the pulley rim.

The installation allowance given in the table opposite is the minimum recommended reduction in centre distance for the various belt sections and lengths to allow for correct fitting.

The take-up allowance given in the same table should be added on to the calculated centre distance to allow for belt stretch/bedding in.

GUARDS

Where guards are necessary it is desirable to use mesh materials to permit adequate ventilation.

Guards should be generously sized to allow for incidental belt flap.

TENSIONING PULLEYS

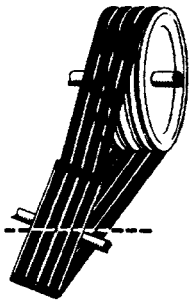
If tensioning (jockey) pulleys are to be used on wedge belt drives, they must be grooved pulleys working on the inside of the drive, preferably on the slack side. The pulley should be positioned as close as possible to the large pulley. Flat tensioning pulleys, bearing on the outside of the drive are permissible only with V and not with wedge belts. They should be positioned within one third of the centre distance from the small pulley.

The tensioning pulley must have at least the same diameter as the small pulley of the drive.

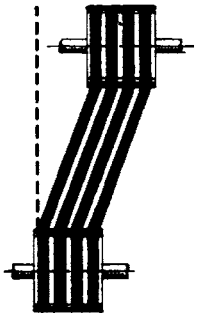
Tensioning pulley movemement must allow for passing the belts over the outside diameter of one of the drive pulleys on installation, and should also allow for belt stretch/bedding in.

1 Angular misalignment

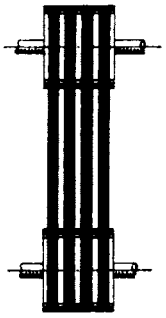
2 Composite misalignment



3 Axial misalignment



4 Correct installation -both shafts and pulleys are parallel and in alignment.



INSTALLATION AND TAKE-UP ALLOWANCE

Belt Pitch Length (mm)	Installation Allowances					Take-up (mm)
	SPZ Z	SPA A	SPB B	SPC C	8V D	
410 to 530	20					5
530 to 840		25	30			10
850 to 1160				50		15
1170 to 1500						20
1510 to 1830						25
1840 to 2170						30
2180 to 2830					65	40
2840 to 3500						50
3520 to 4160						60
4170 to 5140						70
5220 to 6150						85
6180 to 7500						105
7600 to 8500						125
8880 to 10170						145
10600 to 12500						175

Taper Lock

All Fenner V and wedge belt pulleys use Taper Lock shaft fixing.

Detailed instructions for fitting and dismounting Taper Lock products are included with Taper Lock bushes.

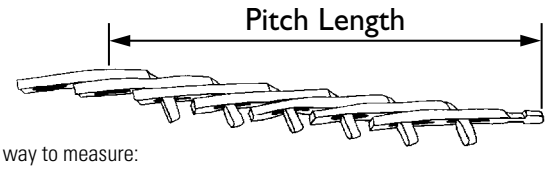
Ultra PLUS 150

INSTALLATION AND TAKE-UP ALLOWANCE

Belt Pitch Length (mm)			Take-up (mm)
	USPB	USPC	
2180 to 2830	30	50	20
2840 to 3500			25
3520 to 4160			30
4170 to 5140			35
5220 to 6150			45
6180 to 7500			55
7600 to 8500			65
8880 to 10170			75
10600 to 12500			90

PowerTwist PLUS Installation and Tensioning

1. How to Measure



Correct way to measure:
PowerTwist Plus – end of tab to first empty holes (right to left, above)

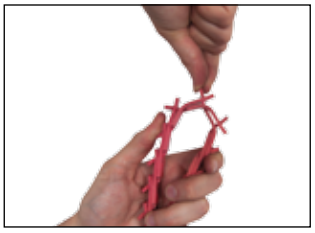
Determine the required pitch length of the belt. Measure PowerTwist Plus from the second empty hole on the last link to the end tab. Subtract one link in every 24 for Z, A, B sections, one link in every 20 for C section. For multiple belt drives, count the number of links in the initial belt and make additional belts the same number of links. Lay the original belt on a table and lay the additional belts side by side to ensure the correct length and matched sets.

2. Assembly - PowerTwist PLUS

Always work with the belt inside out, tabs pointing outward

Place end tab through two links at once.

Flex belt further and insert second tab through end link by twisting tab with thumb.



Ensure tab returns to position across belt. Reverse belt so tabs run inside.

3. Installation

Make PowerTwist Plus belts to the correct pitch length and then install them as you would an endless belt.

1. Move motor to reduce centre distance.
2. Place all belts in correct position.

   Where it is necessary to thread belts through confined spaces, or around shafts without moving bearings, it is possible to make the belts "in site". Some reduction in pulley centre distance is still necessary for ease of assembly.
3. Move motor back into position, applying correct tension.
4. Secure motor tightly.

Method of Belt tensioning using Fenner Belt Tension indicator

1. Calculate the deflection distance in mm on a basis of 16mm per metre of span.

   Centre Distance (m) x 16 = Deflection (mm)
2. Set the lower marker ring at the deflection distance required in mm on the lower scale.
3. Set the upper marker ring against the bottom edge of the top tube.
4. Place the belt tension indicator on top of the belt at the centre of span, and apply a force at right angles to the belt deflecting it to the point where the lower marker ring is level with the top of an adjacent belt*.
5. Read off the force value indicated by the top edge of the upper marker ring.
6. Compare this force to the kgf value shown in the table opposite.
7. If a Fenner Belt Tension Indicator is not available, a spring balance and rule will suffice.

CAUTION

When properly installed, initial tension may appear excessive.
Tension drops to normal when drive begins to run.

4. Retensioning

It is important to retension all drives after an initial run-in period. On fixed centre drives, it may be necessary to remove a link from each belt for proper retensioning.

Belt Section	Force required to deflect belt 16mm per metre of span		
	Small Pulley Diameter (mm)	Newton (N)	Kilogram-force (kgf)
Z	56 to 90	10 to 15	1.0 to 1.5
A	80 to 140	15 to 20	1.5 to 2.0
B	125 to 200	25 to 35	2.6 to 3.6
C	200 to 400	45 to 65	4.6 to 6.6

*NOTE: For single belt drives a straight edge should be placed across the two pulleys to act as a datum for measuring the amount of deflection.

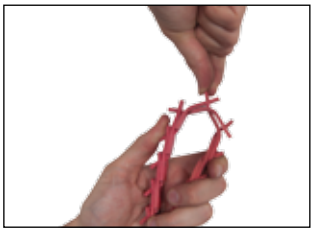
If the measured force falls within the values given, the drive should be satisfactory. A measured force below the lower value indicates under-tensioning.

A new drive should be tensioned to the higher value to allow for the normal drop in tension during the running-in period.

After the drive has been running for 30 minutes, the tension should be checked and re-adjusted to the higher value, if necessary.

5. Disassembly - PowerTwist PLUS

Turn belt inside out with tabs pointing outwards. Bend back as far as possible; hold with one hand. Twist one tab 90º parallel with slot.



Pull end of link over tab.

Rotate belt end with tab at 90º to line of belt.

Pull belt end through two links.

PolyDrive PLUS Ribbed Belts

Belt Dimensions & Physical Properties

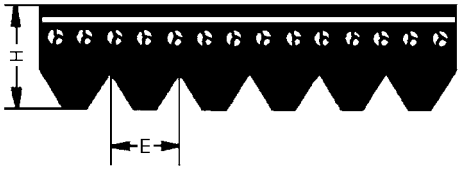
Belt Section	PJ	PK	PL	PM
Rib pitch E (mm)	2.34	3.56	4.70	9.40
Belt thickness	3.50	5.00	7.00	12.00
Mass/unit length/rib (g/m/b)	8.20	19.50	32.00	110.00
Maximum belt* speed (m/sec)	60.00	55.00	40.00	35.00
Minimum pulley diameter (mm)	18.00	50.00	70.00	180.00

* Belt speeds above 40m/sec require special pulley materials – consult your local Authorised Distributor

Standard Effective Lengths (mm & inches)

PJ		PK		PL		PM	
406	16.0	673	26.5	1075	42.5	2693	106.0
432	17.0	698	27.5	1270	50.0	2832	111.5
457	18.0	710	28.0	1333	52.5	2921	115.0
483	19.0	740	29.1	1371	54.0	3010	118.5
508	20.0	775	30.5	1397	55.0	3124	123.0
559	22.0	805	31.7	1422	56.0	3327	131.0
610	24.0	841	33.1	1562	61.5	3531	139.0
660	26.0	870	34.3	1613	63.5	3734	147.0
711	28.0	884	34.8	1664	65.5	4089	161.0
723	28.5	915	36.0	1715	67.5	4191	165.0
762	30.0	926	36.5	1764	69.5	4470	176.0
813	32.0	954	37.6	1803	71.0	4648	183.0
864	34.0	970	38.2	1841	72.5	5029	198.0
914	36.0	1015	40.0	1943	76.5	5410	213.0
960	38.0	1030	40.6	1981	78.0	6121	241.0
1016	40.0	1080	42.5	2020	79.5	6883	271.0
1092	43.0	1146	45.1	2070	81.5	7646	301.0
1105	43.5	1165	45.9	2096	82.5	8408	331.0
1123	44.0	1230	48.4	2134	84.0		
1130	44.5	1295	51.0	2197	86.5		
1150	45.0	1387	54.6	2235	88.0		
1168	46.0	1425	56.1	2324	91.5		
1200	47.0	1460	57.5	2362	93.0		
1244	49.0	1530	60.2	2476	97.5		
1270	50.0	1560	61.4	2515	99.0		
1280	50.5	1658	65.3	2705	106.5		
1321	52.0	1725	67.9	2743	108.0		
1355	53.0	1760	69.3	2845	112.0		
1397	55.0	1795	70.7	2895	114.0		
1428	56.0	1863	73.3	2921	115.0		
1473	58.0	1900	74.8	2997	116.0		
1549	61.0	1980	78.0	3086	121.5		
1600	63.0	2050	80.7	3124	123.0		
1651	65.0	2145	84.4	3289	129.5		
1663	65.5	2257	88.9	3327	131.0		
1752	69.0	2330	91.7	3492	137.5		
1854	73.0	2440	96.1	3696	145.5		
1910	75.0	2523	99.3	4051	159.5		
1956	77.0	2612	102.8				
1965	77.5	2680	105.5				
1992	78.5						
2083	82.0						
2210	87.0						

Effective belt lengths are used with pulley effective diameters in all centre distance calculations.
All the above belts can be supplied with rib numbers of at least 40.
Intermediate belt lengths are available - consult your local Authorised Distributor.
Belts may be designated by: number of ribs, section letters and effective length in mm (e.g. 16 PL 2235)



The geometry of each section complies with ISO 9982.

Ribbed belt codes

Digits	Reference	Code
1,2 & 3	Product group	215
4	Belt section PJ,PK,PL,PM	 J,K,L,M
5,6,7,8	Belt effective length mm e.g. 723mm=0723 1295mm=1295 for M section over 10000 use 1st 4 digits e.g. 12217mm =1221	0200 -9999

NOTE:
These 8 digit codes specify the section and effective length of a belt.
The number of ribs on any belt must be specified separately.
e.g. 16 PL 2235 = 215 L 2235, 16 ribs

PolyDrive PLUS Belt Selection

Necessary drive data: Driving/driven shaft speeds (rev/min), absorbed drive power and/or motor power (kW), type of prime mover (inc. electric motor starting arrangements) and driven machine, machine shaft diameters (mm or ins.), required drive centre distance (mm), any other dimensional constraints.

(a) Service Factor

Select the service factor applicable to the drive from table 1 below. For a speed increasing drive multiply the basic service factor by the special factor in the top left box to achieve the full service factor.

(b) Design Power

Multiply the normal running (absorbed) power of the drive, or if not known, the motor power, by the service factor (a), to give the design power which is used as the basis for drive selection. This power should be calculated in kW.

(c) Ribbed Belt Section

Refer to table 2, page 81 and find the point of intersection of the faster drive shaft speed in rev/min, and the design power

(b). This point will indicate required belt section and approximate small pulley diameters/rib numbers.

NOTE: PK section ribbed belts are normally used for automotive applications. For general industrial applications PJ, PL or PM section belts should be selected.

(d) Speed Ratio

Divide rev/min of faster shaft by that of the slower shaft to give required speed ratio.

(e) Minimum Small Pulley Diameter

Refer to table 5, page 81 to find the minimum recommended small pulley diameter, using design power (b) and the faster shaft speed.

(f) Pulley Effective* Diameters

Refer to table 6, page 82 to select pulley effective diameters giving close to the required speed ratio (d), using (e) as a guide to small pulley diameter.

Calculate the exact speed ratio and check acceptability

* Note: All pulley designations show effective (outside) diameters. Exact speed ratios are calculated using pitch diameters,– see under table 6, page 82.

(g) Belt Length and Centre Distance

Use the formulae below to establish which standard belt length (listed page 79) gives closest to the required drive centre distance.

(h) Combined Correction Factor

Refer to tables 3 & 4, page 81 to find power correction factors for belt length and for the arc of contact for the small pulley (the latter calculated using pulley diameters D & d, and centre distance C - all in mm).

Multiply these two factors together to give the combined correction factor.

(j) Basic/Additional Power per Rib

The main power rating tables on pages 82 & 83 show basic power per belt rib, in kW, at the intersection of faster shaft speed (LH column, in rev/min) with pulley diameter (across top, in mm). Additional power per rib due to speed ratio is shown in the smaller RH table. Values for shaft speeds not listed can be derived by interpolation.

(k) Corrected Power per Rib

Add the speed ratio increment to the basic power per rib (j) and multiply the the resultant kW value by the combined correction factor (h) to give the full power per rib.

(l) Number of Ribs Required

Divide design power (b) by the full power per rib (k) to give the number of belt ribs required. Round up to an even number and check whether standard pulleys are available.

(m) Pulleys

When pulley specification is established, consult your local Authorised Distributor to check availability of pulleys with Taper Lock bush shaft fixing, and associated bore size capacity.

BELT LENGTH & CENTRE DISTANCE FORMULAE

To determine belt length (L mm) for a given centre distance (C mm) using pulleys with small/large effective diameters d/D mm:

$$L = 2C + \frac{(D-d)^2}{4C} + 1.57\,(D+d)$$

-select the standard belt length nearest to L as calculated.

To determine centre distance for given effective pulley diameters and actual belt length:

$$C = A + \sqrt{A^2 - B}$$

where: $A = \frac{L}{4} - 0.3925\,(D + d)$ and $B = \frac{(D-d)^2}{8}$

SPEED INCREASE RATIO		Types of Prime Mover					
		'Soft' Starts			'Heavy' Series		
For speed increasing drives of: Speed ratio 1.00 – 1.24 multiply service factor by 1.00 Speed ratio 1.25 – 1.74 multiply service factor by 1.05 Speed ratio 1.75 – 2.49 multiply service factor by 1.11 Speed ratio 2.50 – 3.49 multiply service factor by 1.18 Speed ratio 3.50 and over multiply service factor by 1.25		Electric motors: AC - Star Delta start DC - Shunt wound Internal combustion engines with 4 or more cylinders Prime movers fitted with centrifugal clutches, dry or fluid couplings or electronic soft start devices			Electric motors: AC - Direct-on-line start DC - Series and component wound Internal combustion engines with less than 4 cylinders Prime movers not fitted with soft start devices		
TYPES OF DRIVEN MACHINE		Hours per day					
		10 and under	Over 10 to 16	Over 16	10 and under	Over 10 to 16	Over 16
Class 1 Light Duty	Agitators (uniform density), blowers, exhausters and fans up to 7.5kW, centrifugal compressors and pumps. Belt conveyors (uniformly loaded).	1.0	1.1	1.2	1.1	1.2	1.3
Class 2 Medium Duty	Agitators and mixers (variable density), blowers, exhausters an fans (over 7.5kW). Rotary compressors and pumps (other than centrifugal). Belt conveyors (not uniformly loaded), generators and excitors, laundry machinery, lineshafts, machine tools, printing machinery, sawmill and woodworking machinery, screens (rotary)	1.1	1.2	1.3	1.2	1.3	1.4
Class 3 Heavy Duty	Brick machinery, bucket elevators, compressors and pumps (reciprocating), conveyors (heavy duty). Hoists, mills (hammer), pulverisers, punches, presses, shears, quarry plant, rubber machinery, screens (vibrating), textile machinery.	1.2	1.3	1.4	1.4	1.5	1.6
Class 4 Extra Heavy Duty	Crushers (gyratory-jaw roll), mills (ball-rod-tube)	1.3	1.4	1.5	1.5	1.6	1.8

PolyDrive PLUS Belt Selection

TABLE 2

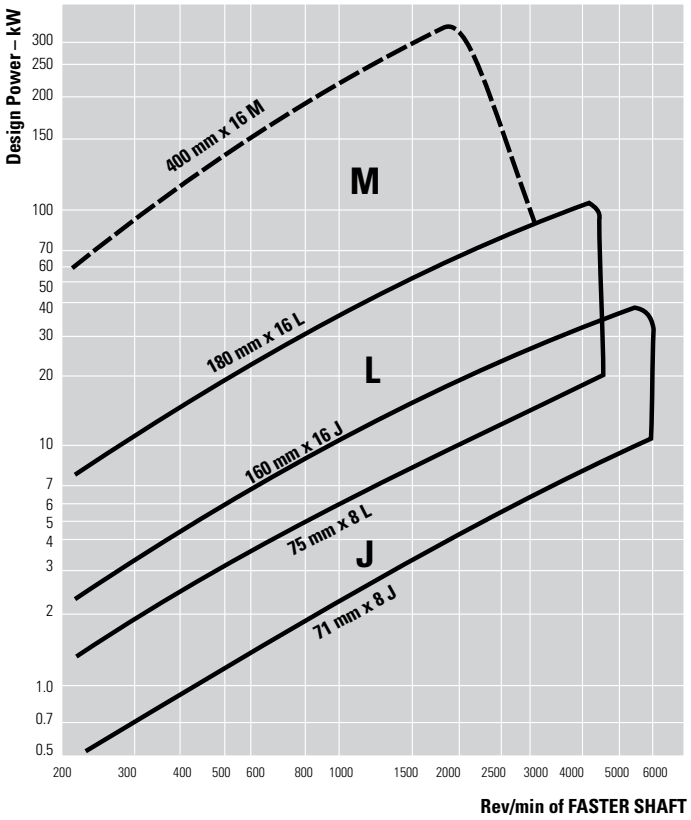


TABLE 3 BELT LENGTH CORRECTION FACTOR

Pitch Length		Cross Section		
mm	ins	PJ	PL	PM
610	24.0	0.89	–	–
660	26.0	0.90	–	–
711	28.0	0.92	–	–
762	30.0	0.93	–	–
813	32.0	0.95	–	–
864	34.0	0.97	–	–
914	36.0	0.98	–	–
965	38.0	0.99	–	–
1016	40.0	1.00	–	–
1092	43.0	1.01	–	–
1168	46.0	1.02	–	–
1270	50.0	1.05	0.89	–
1397	55.0	1.07	0.91	–
1550	61.0	1.09	–	–
1562	61.5	–	0.93	–
1664	65.0	–	0.94	–
1752	69.0	1.12	–	–
1765	69.5	–	0.96	–
1842	72.5	–	0.97	–
1956	77.0	1.15	–	–
1981	78.0	–	0.98	–
2134	84.0	–	1.01	–
2286	90.0	–	–	0.88
2324	91.5	–	1.02	–
2388	94.0	–	–	0.89
2515	99.0	–	1.04	0.90
2693	106.0	–	1.05	0.91
2921	115.0	–	1.07	0.93
3124	123.0	–	1.08	0.94
3327	131.0	–	1.10	0.96
3696	145.5	–	1.12	–
3734	147.0	–	–	0.98
4089	161.0	–	1.14	1.00
4191	165.0	–	1.14	1.00
4470	176.0	–	1.16	1.02
4648	183.0	–	–	1.03
5029	198.0	–	1.19	1.05
5385	212.0	–	1.20	–
5410	213.0	–	–	1.06
6121	241.0	–	–	1.09
6883	271.0	–	–	1.12
7646	301.0	–	–	1.14
8408	331.0	–	–	1.16
9169	361.0	–	–	1.18
9931	391.0	–	–	1.20

TABLE 4 ARC OF CONTACT CORRECTION FACTORS

$\frac{D-d}{C}$	Arc of contact (degrees)	Correction Factor	$\frac{D-d}{C}$	Arc of contact (degrees)	Factor
0.00	180	1.00	0.50	151	0.93
0.05	177	0.99	0.55	148	0.92
0.10	174	0.99	0.60	145	0.91
0.15	171	0.98	0.65	142	0.90
0.20	169	0.97	0.70	139	0.89
0.25	166	0.97	0.75	136	0.88
0.30	163	0.96	0.80	133	0.87
0.35	160	0.95	0.85	130	0.86
0.40	157	0.94	0.90	127	0.85
0.45	154	0.93	0.95	123	0.83

TABLE 5

Speed of motor shaft rev/min	Recommended Minimum Motor Pulley Diameter (mm)																						
	Design Power (kW)																						
	0.55	0.75	1.1	1.5	2.2	3.0	4.0	5.5	7.5	11.0	15.0	18.5	22.0	30.0	37.0	45.0	55.0	75.0	93.0	112	130	150
720	50	50	67	70	75	85	95	106	118	132	150	160	165	180	190	200	224	250	280	315	315	315
960	45	50	56	63	70	75	85	90	100	118	125	132	150	165	180	190	212	224	250	280	315	315
1440	40	45	50	63	67	71	80	85	90	100	118	125	132	150	165	170	190	200	224	250	280	280
2880	40	45	50	56	63	67	71	75	80	90	95	100	118	125	132	150	160	165	180	190	200	224

PolyDrive PLUS Power Ratings

TABLE 6 SPEED RATIO CHART

Drive (motor) pulley eff. dia. mm / Driven pulley eff. dia mm	71	75	80	85	90	95	100	106	112	118	125	132	140	150	160	170	180
71	**1.00**																
75	**1.05**	**1.00**															
80	**1.12**	**1.06**	**1.00**														
85	**1.19**	**1.13**	**1.06**	**1.00**													
90	**1.26**	**1.19**	**1.12**	**1.06**	**1.00**												
95	**1.32**	**1.25**	**1.18**	**1.11**	**1.05**	**1.00**											
100	**1.39**	**1.32**	**1.24**	**1.17**	**1.11**	**1.05**	**1.00**										
106	**1.47**	**1.39**	**1.31**	**1.24**	**1.17**	**1.11**	**1.06**	**1.00**									
112	**1.55**	**1.47**	**1.38**	**1.31**	**1.24**	**1.17**	**1.12**	**1.05**	**1.00**								
118	1.63	1.55	1.46	1.37	1.30	1.23	1.17	1.11	1.05	1.00							
125	**1.72**	**1.64**	**1.54**	**1.45**	**1.37**	**1.30**	**1.24**	**1.17**	**1.11**	**1.06**	**1.00**						
132	1.82	1.73	1.62	1.53	1.45	1.38	1.31	1.24	1.17	1.12	1.05	1.00					
140	**1.93**	**1.83**	**1.72**	**1.62**	**1.53**	**1.46**	**1.39**	**1.31**	**1.24**	**1.18**	**1.12**	**1.06**	**1.00**				
150	2.06	1.96	1.84	1.73	1.64	1.56	1.48	1.40	1.33	1.26	1.19	1.13	1.07	1.00			
160	**2.19**	**2.08**	**1.96**	**1.85**	**1.75**	**1.66**	**1.58**	**1.49**	**1.42**	**1.35**	**1.27**	**1.21**	**1.14**	**1.07**	**1.00**		
170	2.33	2.21	2.08	1.96	1.86	1.76	1.68	1.58	1.50	1.43	1.35	1.28	1.21	1.13	1.06	1.00	
180	**2.46**	**2.34**	**2.20**	**2.07**	**1.96**	**1.86**	**1.77**	**1.68**	**1.59**	**1.51**	**1.43**	**1.35**	**1.28**	**1.20**	**1.12**	**1.06**	**1.00**
190	2.60	2.46	2.32	2.19	2.07	1.96	1.87	1.77	1.68	1.59	1.51	1.43	1.35	1.26	1.18	1.12	1.05
200	**2.73**	**2.59**	**2.44**	**2.30**	**2.18**	**2.07**	**1.97**	**1.86**	**1.76**	**1.67**	**1.58**	**1.50**	**1.42**	**1.33**	**1.24**	**1.17**	**1.11**
212	2.89	2.75	2.58	2.44	2.30	2.19	2.08	1.97	1.87	1.77	1.68	1.59	1.50	1.40	1.32	1.24	1.17
224	**3.05**	**2.90**	**2.72**	**2.57**	**2.43**	**2.31**	**2.20**	**2.08**	**1.97**	**1.87**	**1.77**	**1.68**	**1.59**	**1.48**	**1.39**	**1.31**	**1.24**
236	3.21	3.05	2.87	2.71	2.56	2.43	2.31	2.19	2.07	1.97	1.86	1.77	1.67	1.56	1.46	1.38	1.31
250	**3.40**	**3.23**	**3.04**	**2.86**	**2.71**	**2.57**	**2.45**	**2.32**	**2.19**	**2.09**	**1.97**	**1.87**	**1.77**	**1.65**	**1.55**	**1.46**	**1.38**
280	3.81	3.61	3.40	3.20	3.03	2.88	2.74	2.59	2.45	2.33	2.21	2.09	1.98	1.85	1.73	1.63	1.54
315	**4.28**	**4.06**	**3.81**	**3.60**	**3.41**	**3.23**	**3.08**	**2.91**	**2.76**	**2.62**	**2.48**	**2.35**	**2.22**	**2.07**	**1.95**	**1.84**	**1.74**
355	4.81	4.57	4.29	4.05	3.83	3.64	3.46	3.27	3.10	2.95	2.79	2.65	2.50	2.34	2.19	2.07	1.95
400	**5.42**	**5.14**	**4.83**	**4.56**	**4.32**	**4.10**	**3.90**	**3.68**	**3.49**	**3.32**	**3.14**	**2.98**	**2.81**	**2.63**	**2.47**	**2.33**	**2.20**
450	6.09	5.78	5.43	5.12	4.85	4.60	4.38	4.14	3.93	3.73	3.53	3.35	3.16	2.95	2.77	2.61	2.47
500	**6.26**	**6.41**	**6.03**	**5.69**	**5.39**	**5.11**	**4.86**	**4.60**	**4.36**	**4.14**	**3.92**	**3.72**	**3.51**	**3.28**	**3.08**	**2.90**	**2.74**
630	8.50	8.07	7.59	7.16	6.78	6.43	6.12	5.79	5.48	5.21	4.93	4.68	4.41	4.13	3.87	3.65	3.45
800	10.79	10.24	9.62	9.08	8.59	8.16	7.76	7.34	6.96	6.61	6.25	5.93	5.60	5.23	4.91	4.63	4.38

The above chart gives approximate speed ratios between pulleys of the shown effective diameters. For exact drive ratio values. calculate the mathematical ratio between any 2 effective dias. (De) converted to pitch dias. (Dp) as follows: J section Dp = De + 2 mm
L section Dp = De + 5mm

PJ Ribbed Belt Ratings

Basic power rating per rib (kW) for small pulley effectice diameter (mm) PJ Section																					
Rev/min faster Shaft	20	25	40	50	60	67	71	75	80	85	90	95	100	112	125	140	160	180	200	250	
200	0.02	0.02	0.04	0.05	0.06	0.07	0.08	0.08	0.09	0.09	0.10	0.11	0.11	0.12	0.14	0.16	0.18	0.20	0.22	0.31	
400	0.03	0.04	0.07	0.10	0.12	0.14	0.14	0.15	0.16	0.17	0.19	2.00	0.21	0.23	0.26	0.29	0.33	0.37	0.41	0.59	
700	**0.04**	**0.06**	**0.12**	**0.16**	**0.20**	**0.22**	**0.24**	**0.25**	**0.27**	**0.29**	**0.31**	**0.32**	**0.34**	**0.38**	**0.43**	**0.48**	**0.55**	**0.61**	**0.68**	**0.97**	
950	**0.05**	**0.08**	**0.16**	**0.21**	**0.26**	**0.29**	**0.31**	**0.33**	**0.35**	**0.38**	**0.40**	**0.42**	**0.45**	**0.50**	**0.56**	**0.63**	**0.72**	**0.80**	**0.89**	**1.26**	
1200	0.07	0.10	0.19	0.26	0.32	0.36	0.38	0.41	0.43	0.46	0.49	0.52	0.55	0.62	0.69	0.77	0.88	0.99	1.09	1.54	
1450	**0.08**	**0.11**	**0.23**	**0.30**	**0.37**	**0.42**	**0.45**	**0.48**	**0.51**	**0.55**	**0.58**	**0.62**	**0.65**	**0.73**	**0.82**	**0.91**	**1.04**	**1.16**	**1.28**	**1.80**	
2000	0.10	0.15	0.30	0.40	0.49	0.56	0.60	0.63	0.68	0.73	0.77	0.82	0.86	0.97	1.08	1.20	1.36	1.52	1.67	2.31	
2850	**0.13**	**0.20**	**0.41**	**0.54**	**0.67**	**0.76**	**0.81**	**0.86**	**0.92**	**0.98**	**1.04**	**1.10**	**1.16**	**1.30**	**1.44**	**1.60**	**1.80**	**1.98**	**2.15**	**2.85**	
3500	0.15	0.23	0.48	0.64	0.80	0.90	0.96	1.02	1.09	1.17	1.24	1.30	1.37	1.53	1.69	1.86	2.07	2.25	2.41	3.03	
5000	0.19	0.31	0.65	0.86	1.07	1.21	1.28	1.36	1.45	1.54	1.62	1.70	1.78	1.96	2.13	2.29	2.45	2.53	2.53		
6000	0.21	0.35	0.75	1.00	1.23	1.38	1.47	1.55	1.65	1.74	1.83	1.91	1.99	2.16	2.30	2.41	2.46	2.38			
7000	0.24	0.39	0.84	1.12	1.37	1.54	1.63	1.71	1.81	1.90	1.99	2.07	2.14	2.27	2.36	2.37	2.24				
8000	0.26	0.43	0.93	1.23	1.50	1.67	1.76	1.84	1.94	2.02	2.10	2.16	2.21	2.29	2.28	2.15					
9000	0.27	0.47	1.01	1.33	1.60	1.77	1.86	1.93	2.02	2.09	2.14	2.18	2.21	2.20							
10000	0.29	0.50	1.08	1.41	1.69	1.85	1.92	1.99	2.05	2.10	2.13	2.13	2.12	1.98							
Vmax M/S	60																				

Additional power (kW) per rib due to speed ratio				
1.00	1.05	1.20	1.50	3 and above
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.01	0.01	0.01
0.00	0.01	0.01	0.01	0.01
0.00	0.00	0.00	0.00	0.01
0.00	0.00	0.00	0.01	0.01
0.00	0.00	0.01	0.01	0.02
0.00	0.00	0.01	0.02	0.02
0.00	0.00	0.01	0.02	0.03
0.00	0.01	0.02	0.04	0.05
0.00	0.01	0.02	0.05	0.06
0.00	0.01	0.03	0.05	0.06
0.00	0.01	0.04	0.06	0.07
0.00	0.02	0.05	0.08	0.09
0.00	0.02	0.05	0.08	0.10

PolyDrive PLUS Power Ratings

PL RIBBED BELT RATINGS

Basic power rating per rib (kW) for small pulley effectice diameter (mm) PL Section																				
Rev/min faster Shaft	75	80	90	100	106	112	118	125	132	140	150	160	170	180	200	212	224	236	250	250
200	0.15	0.17	0.21	0.25	0.29	0.31	0.34	0.36	0.39	0.42	0.46	0.49	0.53	0.56	0.64	0.68	0.78	0.82	0.87	0.59
400	0.26	0.30	0.37	0.44	0.53	0.57	0.61	0.66	0.71	0.76	0.83	0.90	0.97	1.04	1.17	1.25	1.45	1.53	1.62	0.97
700	**0.40**	**0.46**	**0.58**	**0.70**	**0.84**	**0.91**	**0.98**	**1.06**	**1.15**	**1.24**	**1.35**	**1.46**	**1.58**	**1.69**	**1.91**	**2.04**	**2.38**	**2.51**	**2.66**	**1.26**
950	**0.50**	**0.58**	**0.74**	**0.90**	**1.09**	**1.18**	**1.27**	**1.38**	**1.48**	**1.60**	**1.75**	**1.90**	**2.04**	**2.19**	**2.47**	**2.64**	**3.10**	**3.26**	**3.45**	**1.54**
1200	0.60	0.70	0.89	1.08	1.32	1.43	1.54	1.67	1.80	1.95	2.13	2.31	2.49	2.66	3.00	3.21	3.77	3.96	4.19	1.80
1450	**0.68**	**0.80**	**1.03**	**1.26**	**1.53**	**1.67**	**1.80**	**1.95**	**2.10**	**2.27**	**2.49**	**2.69**	**2.90**	**3.10**	**3.50**	**3.73**	**4.39**	**4.61**	**4.86**	**2.31**
2000	0.85	1.00	1.30	1.60	1.97	2.15	2.32	2.51	2.71	2.92	3.19	3.45	3.71	3.95	4.43	4.70	5.56	5.81	6.08	2.85
2400	0.95	1.13	1.48	1.82	2.26	2.46	2.65	2.87	3.09	3.34	3.63	3.92	4.20	4.46	4.96	5.24	6.22	6.46	6.72	3.03
2850	**1.04**	**1.25**	**1.65**	**2.03**	**2.54**	**2.76**	**2.98**	**3.23**	**3.47**	**3.73**	**4.05**	**4.35**	**4.64**	**4.91**	**5.40**	**5.66**	**6.74**	**6.94**	**7.13**	
3200	1.11	1.33	1.76	2.18	2.74	2.97	3.20	3.46	3.71	3.99	4.31	4.62	4.90	5.16	5.60	5.82	6.95	7.09	7.19	
3500	1.15	1.39	1.84	2.28	2.88	3.13	3.37	3.63	3.89	4.16	4.49	4.78	5.05	5.29	5.67	5.83	6.99	7.05		
3800	1.18	1.43	1.91	2.37	3.01	3.26	3.50	3.77	4.03	4.30	4.61	4.89	5.13	5.34	5.63	5.72				
4000	1.20	1.46	1.95	2.42	3.08	3.34	3.58	3.85	4.10	4.37	4.67	4.93	5.15	5.33	5.54					
4300	1.22	1.49	2.00	2.48	3.18	3.43	3.67	3.94	4.18	4.43	4.71	4.94	5.11	5.23						
4600	1.23	1.51	2.03	2.51	3.24	3.50	3.74	3.99	4.22	4.45	4.69	4.87	4.99	5.05						
5000	1.23	1.51	2.05	2.53	3.30	3.54	3.77	4.00	4.21	4.40	4.57	4.68								
5500	1.20	1.49	2.03	2.50	3.30	3.53	3.73	3.92	4.07	4.19	4.26									
6000	1.13	1.43	1.96	2.41	3.23	3.42	3.58	3.72	3.80											
Vmax M/S	40																			

Additional power (kW) per rib due to speed ratio				
1.00	1.05	1.20	1.50	3 and above
0.00	0.01	0.01	0.02	0.03
0.00	0.01	0.02	0.03	0.04
0.00	0.02	0.03	0.07	0.08
0.00	0.02	0.06	0.09	0.12
0.00	0.02	0.07	0.11	0.14
0.00	0.03	0.09	0.14	0.17
0.00	0.04	0.12	0.19	0.23
0.00	0.05	0.15	0.23	0.28
0.00	0.06	0.18	0.27	0.34
0.00	0.06	0.19	0.30	0.37
0.00	0.07	0.22	0.33	0.41
0.00	0.08	0.24	0.36	0.45
0.00	0.09	0.25	0.38	0.47
0.00	0.09	0.27	0.41	0.49
0.00	0.10	0.29	0.43	0.54
0.00	0.10	0.31	0.47	0.58
0.00	0.11	0.34	0.52	0.64
0.00	0.13	0.38	0.57	0.71

PM RIBBED BELT RATINGS

Basic power rating per rib (kW) for small pulley effectice diameter (mm) PM Section																	
Rev/min faster Shaft	180	190	200	224	250	280	315	355	400	450	500	560	630	710	800	1000
50	0.35	0.38	0.41	0.60	0.69	0.79	0.91	1.05	1.20	1.37	1.53	1.90	2.15	2.43	2.75	3.44
100	0.63	0.68	0.74	1.08	1.25	1.45	1.68	1.93	2.22	2.53	2.84	3.53	4.00	4.53	5.11	6.40
200	1.12	1.22	1.32	1.96	2.28	2.65	3.07	3.55	4.08	4.67	5.25	6.53	7.39	8.37	9.45	11.78
300	1.57	1.71	1.86	2.76	3.22	3.75	4.36	5.05	5.82	6.66	7.48	9.30	10.52	11.89	13.40	16.59
400	1.98	2.17	2.36	3.51	4.11	4.80	5.59	6.47	7.45	8.52	9.57	11.88	13.42	15.13	16.97	20.77
700	**3.10**	**3.41**	**3.72**	**5.57**	**6.55**	**7.65**	**8.91**	**10.31**	**11.84**	**13.47**	**15.04**	**18.49**	**20.62**	**22.82**	**24.99**	**28.47**
950	**3.92**	**4.32**	**4.72**	**7.09**	**8.33**	**9.73**	**11.31**	**13.03**	**14.87**	**16.78**	**18.53**	**22.45**	**24.51**	**26.34**		
1200	4.65	5.13	5.61	8.43	9.90	11.53	13.34	15.26	17.24	19.19	20.84	24.65				
1450	**5.28**	**5.84**	**6.39**	**9.59**	**11.24**	**13.03**	**14.96**	**16.93**	**18.85**	**20.54**	**21.74**					
1600	5.62	6.21	6.79	10.19	11.92	13.76	15.71	17.63	19.39	20.77						
1800	6.01	6.65	7.27	10.88	12.67	14.53	16.42	18.17	19.57							
2000	6.34	7.01	7.66	11.43	13.23	15.05	16.79	18.23								
2200	6.60	7.29	7.95	11.82	13.59	15.29	16.77									
2400	6.78	7.48	8.15	12.05	13.72	15.23										
2850	**6.89**	**7.57**	**8.20**	**11.90**	**13.14**											
3200	6.67	7.29	7.83	11.09												
3600	6.04	6.53	6.91													
4000	4.98															
Vmax M/S	35															

Additional power (kW) per rib due to speed ratio				
1.00	1.05	1.20	1.50	3 and above
0.00	0.01	0.02	0.02	0.03
0.00	0.01	0.03	0.05	0.06
0.00	0.02	0.06	0.10	0.12
0.00	0.03	0.09	0.14	0.17
0.00	0.04	0.13	0.19	0.24
0.00	0.07	0.22	0.33	0.42
0.00	0.10	0.30	0.45	0.56
0.00	0.12	0.34	0.57	0.71
0.00	0.16	0.46	0.69	0.86
0.00	0.17	0.50	0.76	0.95
0.00	0.19	0.57	0.77	1.07
0.00	0.21	0.63	0.95	1.19
0.00	0.23	0.68	1.05	1.30
0.00	0.25	0.75	1.14	1.44
0.00	0.30	0.89	1.36	1.69
0.00	0.34	1.00	1.52	1.89
0.00	0.38	1.12	1.71	2.13
0.00	0.42	1.25	1.90	2.37

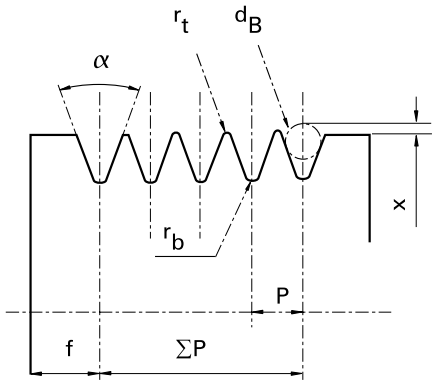
PolyDrive PLUS Installation and Tensioning

The following recommendations for installing a ribbed belt drive will help ensure correct working conditions and optimum service life.

RIBBED BELT PULLEY GROOVE DIMENSIONS

Pulleys are manufactured to ISO 9982 – Pulleys and V-Ribbed Belts for Industrial Applications

PULLEY SECTION		PJ	PK	PL	PM
α	(°)	40 ± 0.25	40 ± 0.25	40 ± 0.25	40 ± 0.25
P	(mm)	2.34 ± 0.03	3.56 ± 0.05	4.70 ± 0.05	9.40 ± 0.08
Tolerance for ΣP		± 0.3	± 0.3	± 0.3	± 0.3
rt min.	(mm)	0.20	0.25	0.40	0.75
rb max.	(mm)	0.40	0.50	0.40	0.75
f min.	(mm)	3.0	5.0	7.0	13.0
dB	(mm)	1.5 ± 0.01	2.5 ± 0.01	3.5 ± 0.01	7.0 ± 001
2X	(mm)	0.23	0.99	2.36	4.53



SHAFT ALIGNMENT

The maximum axial misalignment allowed is 3 mm per metre centre distance, to a maximum of 15 mm.

Make sure that angular misalignment is kept within 2°. With flat pulleys, acting as idlers for power take-off, do not exceed 1°.

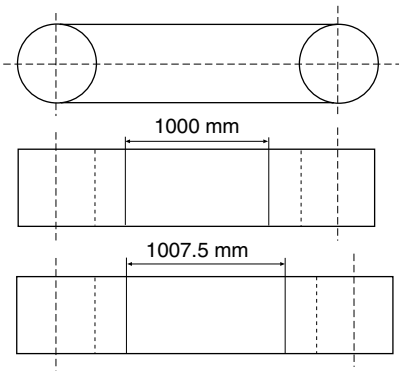
A laser alignment device is available, which facilitates quick, easy and accurate pulley alignment - consult your local Authorised Distributor.

TENSIONING THE BELT

Ribbed belts must be tensioned correctly and with great care. Under or over-tensioning can cause functional problems and lead to premature belt failure. We recommend the elongation method, which is simple and requires no special equipment, in most cases.

(For narrow belts - less than 40 mm wide - it is possible to use the Fenner Belt Tension Indicator).

1. Fit the belt on the pulleys with no tension,
2. Draw two lines perpendicularly across the belt back approx 80% of the belt span apart (or one metre apart for very long spans),
3. Increase the distance between the two lines by 0.5 to 0.75% i.e. by 5 to 7.5 mm for an initial spacing of 1000 mm.
4. Run the drive under load for about 10 minutes,
5. Check the tension of the belt (i.e. the spacing between the two lines) and readjust if necessary.



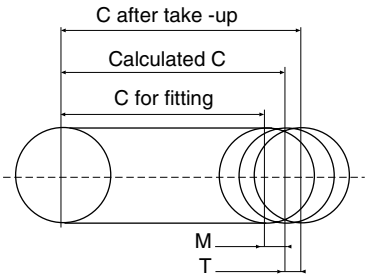
GENERAL

Pulleys should be mounted as close as possible to bearings, to reduce overhung load.

Pulley grooves should be in good condition, clean, and free from sharp edges.

Ensure that drive machinery is securely fastened after belt installation or adjustments.

Guards should be generously sized and well ventilated.



Belt Length (mm)	PJ		PK		PL		PM	
	M	T	M	T	M	T	M	T
> 750	-10	+10	-11	+13	-	-	-	-
750 to 1200	-10	+15	-12	+16	-15	+20	-	-
1200 to 2000	-15	+20	-16	+22	-20	+25	-	-
2000 to 3500	-20	+30	-23	+32	-30	+35	-40	+50
3500 to 6000	-	-	-	-	-40	+50	-50	+70
> 6000	-	-	-	-	-	-	-100	+130

TAPER LOCK

Ribbed belt pulleys are available using Taper Lock shaft fixing.

For detailed instructions on the fitting and dismounting of Taper Lock products see Shaft Fixings page 128-129

Accessories

The Fenner S.C.I.E.N.C.E. Explained

Did you know that 70% of friction drives are incorrectly installed?

That figure is quite astounding particularly when you consider how many applications are dependant on the efficiency and reliability of friction belt drives.

But don't panic, with a just a few simple steps and the assistance of your Local Authorised Fenner Distributor, we can ensure that your belt drives (and chain drives) achieve their optimum efficiency, full operating life and provide reliable performance.

With Fenner it's all about the **S.C.I.E.N.C.E**. - **Select Correctly, Install Effectively, Never Compromise Efficiency**, if you adhere to these simple rules you can be confident that your drive selection will perform.

Select Correctly

A correctly selected drive for your application will ensure the drive uses the fewest number of belts or the absolute minimum of belt width, which in turn.

- Reduces loading on the machines bearings increasing the life cycle of the machine, reducing downtime and the risk of mechanical failure
- Reduces the noise levels keeping noise pollution to a minimum at high speeds
- Reduces the amount of raw materials and resources used cutting down on waste an subsequent pollution

Install Effectively

Correct installation - once you have carefully selected your belt drive components - is paramount to the longevity and efficiency of your belt drive, by following the correct installation procedures to the letter and by using the right tools for the job, such as the Fenner laser alignment and tensioning devices, we can;

- Reduce the vibration to which the machine bearings are subjected, prolonging machine life, minimising downtime and reducing the risk of severe damage to the driven machine
- Ensure the drive operates and delivers its maximum rated power at its premium efficiency, reducing both waste and pollution
- Supply a drive which gives the maximum drive life available on the market using the minimum of resource to maintain

Never Compromise Efficiency

By including belt drives as an integral part of a planned maintenance schedule you can:

- Ensure the process up-time is at an absolute maximum giving the ultimate production output maximising operational efficiency
- Prolong the life of the drive and negate the need to waste costly resources on breakdowns and drive problems
- Extend drive, machine and bearing life to the maximum, using less raw materials and guarantee sustainability.

Remember your drive stands or falls by the accuracy of its installation, so take the time to get this right and you will reap the rewards. Use the S.C.I.E.N.C.E

Belt Tension Indicator

The Fenner Belt Tension Indicator is a simple tool that helps ensure accurate belt tension - a correctly tensioned drive avoids belt slippage which can reduce overall drive efficiency.

Product Ref: 230A0000

Fenner Drive Alignment Laser

The Fenner Drive Alignment Laser is the perfect tool for pulley and sprocket alignment. Applied magnetically in just a few seconds, the laser line projects onto targets allowing rapid adjustment for perfect alignment.

Product Ref: 230L0000

Pulley Groove Gauge

When installing new belts, the condition of the pulleys is often overlooked. 50% of new belts are fitted to worn pulleys, which can waste up to 10% of your energy input. The Fenner groove gauge can quickly help you assess the health of your pulleys.

Request your free pulley groove gauge from your Authorised Distribitor.

Belt Efficiency Kit

Get the most from your wedge belt drives with the Fenner Belt Efficiency Kit. The kit contains all the tools necessary to help achieve optimum performance: Belt Tension Indicator, Pulley Groove Gauge and a simple guide to efficient wedge belt efficiency.

Product Ref: 230K0000

Product Ref: 230K0000