

(a) Speed Ratio

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 59) 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 49 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 Power 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 60 to 66).

TABLE 2

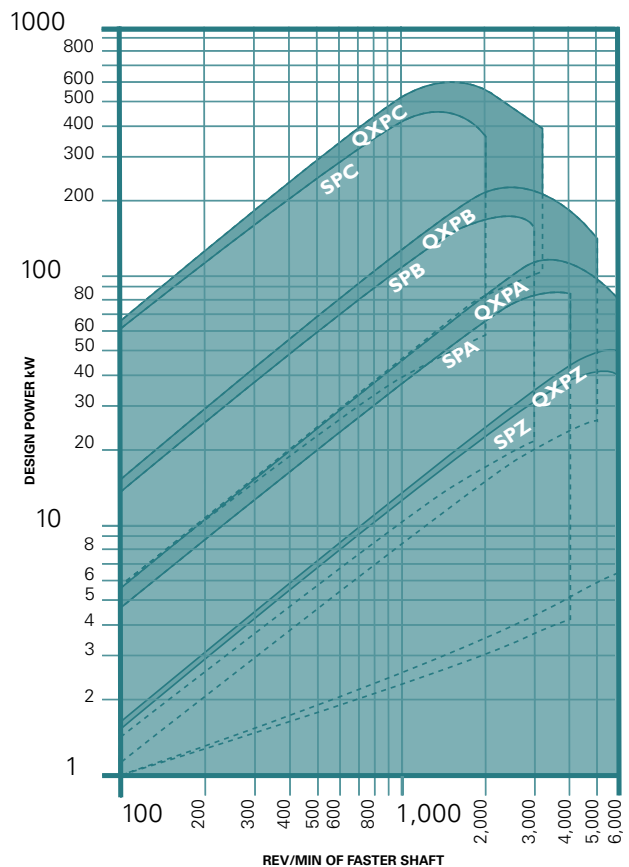


TABLE 1

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.



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

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

(b) Service Factor

From Table 3 the service factor is 1.4.

(c) Design Power

$$= 50 \times 1.4 = 70 \text{ kW}$$

(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 54 & 57) by interpolation the rated power/belt for a 315 mm pitch diameter pulley at 1050 rev/min is 18.67 kW for Power 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 54)

(k) Corrected Power per Belt

$$= (18.67 + 0.77) \times 1.05$$

$$= 20.41 \text{ kW per belt. (24.3 for QXPB)}$$

(l) Number of Belts required

$$= \frac{70}{20.41} = 3.43 \text{ i.e use 4 SPB Power Plus wedge belts.}$$

or

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

(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

	Power 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' starts		
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 & compound wound Internal combustion engines with less than 4 cylinders Prime movers not fitted with soft start devices		
		TYPES OF DRIVEN MACHINE		Hours per day duty			
		10 and under	Over 10 to 16	Over 16	10 and under	Over 10 to 16	Over 16
Class 1	Agitators (uniform density), blowers, exhausters and fans (up to 75 kW), centrifugal compressors and pumps. Belt conveyors (uniformly loaded).	1.0	1.1	1.2	1.1	1.2	1.3
Class 2	Agitators and mixers (variable density), blowers, exhausters and fans (over 75 kW). Rotary compressors and pumps (other than centrifugal). Belt conveyors (not uniformly loaded), generators and exciters, 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	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	Crushers (gyratory-jaw roll), mills (ball-rod-tube).	1.3	1.4	1.5	1.5	1.6	1.8

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	
Speed Ratio	Pitch Diameter of Pulleys		Power per SPZ Belt (kW)		BELT LENGTH																SPZ & QXPZ ONLY		
	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	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	418	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																	

Centre Distance SPZ, XPZ & QXPZ Wedge Belt Drives



Section

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		
Speed Ratio	Pitch Diameter of Pulleys		Power per SPZ Belt (kW)		BELT LENGTH																	SPZ & QXPZ ONLY	
	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	663	764	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	1668	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	2.00		
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	1689	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	1698	2.50		
2.52	125	315	3.99																				

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										Speed Ratio								
	Driver	Driven	1440 rev/min	2880 rev/min	630	710	800	900	1000	1120	1250	1400	1600	1800		2000	2240	2500	2800	SPZ & OXPZ ONLY		3150	3550
2.86	140	400	4.61	8.16	-	-	-	-	-	-	-	352	457	561	684	816	967	1143	1345	1510	1680	1850	2.86
2.94	85	250	2.26	4.02	-	-	-	-	222	285	352	429	530	632	732	853	983	1134	1309	1510	1710	1910	2.94
2.99	67	200	1.46	2.54	-	-	178	231	282	344	410	486	587	687	787	908	1038	1188	1364	1564	1764	1964	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	1713	3.13
3.15	100	315	2.92	5.20	-	-	-	-	-	-	278	358	462	564	665	787	918	1069	1244	1445	1645	1845	3.15
3.17	63	200	1.28	2.21	-	-	180	233	285	347	413	489	589	690	790	911	1041	1191	1367	1567	1767	1967	3.17
3.20	125	400	3.99	7.09	-	-	-	-	-	-	-	-	362	467	571	694	826	978	1154	1356	1556	1756	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	1649	1849	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	1717	1917	3.33
3.50	90	315	2.49	4.44	-	-	-	-	-	-	285	365	468	571	673	794	925	1076	1252	1453	1653	1853	3.50
3.52	71	250	1.65	2.90	-	-	-	-	231	294	362	439	540	642	742	863	994	1144	1320	1520	1720	1920	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	1565	1765	3.57
3.71	85	315	2.27	4.04	-	-	-	-	-	288	368	472	574	676	798	929	1080	1256	1456	1656	1856	2056	3.71
3.73	67	250	1.47	2.57	-	-	-	-	233	297	365	442	543	645	745	866	997	1147	1323	1523	1723	1923	3.73
3.94	80	315	2.05	3.64	-	-	-	-	-	218	291	371	475	578	680	801	932	1083	1259	1460	1660	1860	3.94
3.97	63	250	1.29	2.23	-	-	180	236	300	367	444	546	647	748	869	1000	1150	1326	1526	1726	1926	2126	3.97
4.00	100	400	2.93	5.23	-	-	-	-	-	-	-	-	377	484	588	711	844	996	1173	1374	1574	1774	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	1664	1864	2064	4.20
4.21	95	400	2.71	4.84	-	-	-	-	-	-	-	268	381	487	592	715	848	1000	1176	1378	1578	1778	4.21
4.44	71	315	1.65	2.90	-	-	-	-	224	297	377	481	584	686	808	939	1090	1266	1467	1667	1867	2067	4.44
4.44	90	400	2.49	4.44	-	-	-	-	-	-	-	271	384	491	595	718	851	1003	1180	1381	1581	1781	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	1670	1870	2070	4.70
4.71	85	400	2.27	4.04	-	-	-	-	-	-	-	274	387	494	598	722	855	1007	1184	1385	1585	1785	4.71
5.00	63	315	1.29	2.23	-	-	-	-	228	302	382	487	590	692	813	945	1096	1272	1473	1673	1873	2073	5.00
5.00	80	400	2.05	3.64	-	-	-	-	-	-	-	277	390	497	602	725	858	1010	1187	1389	1589	1789	5.00
5.33	75	400	1.83	3.23	-	-	-	-	-	-	-	280	393	501	605	729	862	1014	1191	1392	1592	1792	5.33
5.63	71	400	1.65	2.90	-	-	-	-	-	-	-	282	396	503	608	732	864	1017	1194	1395	1595	1795	5.63
5.97	67	400	1.47	2.57	-	-	-	-	-	-	-	284	398	506	611	734	867	1020	1197	1398	1598	1798	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				
Speed Ratio	Pitch Diameter of Pulleys		Power per SPA Belt (kW)		BELT LENGTH																		SPA & QXPA ONLY			SPA ONLY			
	Driver	Driven	1440 rev/min	2880 rev/min	800	900	1000	1120	1250	1400	1600	1800	2000	2240	2500	2800	3150	3550	4000	4500	Speed Ratio								
1.00	80	80	2.04	3.29	274	324	374	434	499	574	654	744	844	954	1074	1204	1344	1494	1654	1824	2004	1.00							
1.00	85	85	2.43	4.00	266	316	366	426	491	566	646	736	836	946	1066	1206	1356	1516	1686	1866	2056	1.00							
1.00	90	90	2.29	3.65	259	309	359	419	484	559	639	729	829	939	1059	1199	1359	1529	1709	1909	2109	1.00							
1.00	95	95	2.68	4.35	251	301	351	411	476	551	631	721	821	931	1051	1191	1351	1521	1701	1901	2101	1.00							
1.00	100	100	3.06	5.04	243	293	343	403	468	543	623	713	813	923	1043	1183	1343	1513	1693	1893	2093	1.00							
1.00	106	106	3.52	5.85	233	283	333	393	458	533	613	703	803	913	1033	1173	1333	1503	1683	1883	2083	1.00							
1.00	112	112	3.98	6.66	224	274	324	384	449	524	604	694	794	904	1024	1164	1324	1494	1674	1874	2074	1.00							
1.00	118	118	4.43	7.45	215	265	315	375	440	515	595	685	785	895	1015	1155	1315	1485	1665	1865	2065	1.00							
1.00	125	125	4.95	8.36	204	254	304	364	429	504	584	674	774	884	1004	1144	1304	1474	1654	1854	2054	1.00							
1.00	132	132	5.47	9.26	193	243	293	353	418	493	573	663	763	873	993	1133	1293	1463	1643	1843	2043	1.00							
1.00	140	140	6.06	10.25	180	230	280	340	405	480	560	650	750	860	980	1120	1280	1450	1630	1830	2030	1.00							
1.00	150	150	6.79	11.47	-	214	264	324	389	464	544	634	734	844	964	1104	1264	1434	1614	1814	2014	1.00							
1.00	160	160	7.51	12.65	-	199	249	309	374	449	529	619	719	829	949	1089	1249	1419	1599	1799	1999	1.00							
1.00	180	180	8.93	14.89	-	-	217	277	342	417	507	607	707	817	937	1077	1237	1407	1587	1787	1987	1.00							
1.00	200	200	10.31	16.95	-	-	-	246	311	386	476	576	676	786	906	1046	1206	1376	1556	1756	1956	1.00							
1.05	95	100	2.73	4.45	247	297	347	407	472	547	627	717	817	927	1047	1187	1347	1517	1697	1897	2097	1.05							
1.05	112	118	4.03	6.76	219	269	319	379	444	519	609	709	809	919	1039	1179	1339	1509	1689	1889	2089	1.05							
1.06	90	95	2.43	3.92	255	305	355	415	480	555	635	725	825	935	1055	1195	1355	1525	1705	1905	2105	1.06							
1.06	125	132	5.09	8.63	198	248	298	358	423	498	578	668	768	878	998	1138	1298	1468	1648	1848	2048	1.06							
1.06	106	112	3.66	6.13	229	279	329	389	454	529	609	699	799	909	1029	1169	1329	1499	1679	1879	2079	1.06							
1.06	85	90	2.57	4.27	263	313	363	423	488	563	643	733	833	943	1063	1203	1363	1533	1713	1903	2093	1.06							
1.06	118	125	4.56	7.72	209	259	309	369	434	509	589	679	779	889	1009	1149	1309	1479	1659	1859	2059	1.06							
1.06	100	106	3.20	5.31	238	288	338	398	463	538	618	708	808	918	1038	1178	1338	1508	1688	1888	2088	1.06							
1.06	132	140	5.60	9.53	186	236	286	346	411	486	566	656	756	866	986	1126	1286	1456	1636	1836	2036	1.06							
1.06	80	85	2.18	3.56	270	320	370	430	495	570	650	740	840	950	1070	1210	1370	1540	1720	1910	2100	1.06							
1.07	150	160	6.92	11.74	-	206	256	316	381	456	536	626	726	836	956	1096	1256	1426	1606	1806	2006	1.07							
1.07	140	150	6.19	10.53	172	222	272	332	397	472	552	642	742	852	972	1112	1272	1442	1622	1822	2022	1.07							
1.11	90	100	2.43	3.92	251	301	351	411	476	551	631	721	821	931	1051	1191	1351	1521	1701	1901	2101	1.11							
1.11	180	200	9.06	15.17	-	-	261	326	401	501	601	701	801	911	1031	1171	1331	1501	1681	1881	2081	1.11							
1.11	106	118	3.66	6.13	224	274	324	384	449	524	604	694	794	904	1024	1164	1324	1494	1674	1874	2074	1.11							
1.12	95	106	2.92	4.82	242	292	342	402	467	542	622	712	812	922	1042	1182	1342	1512	1692	1892	2092	1.12							
1.12	112	125	4.21	7.13	214	264	314	374	439	514	604	704	804	914	1034	1174	1334	1504	1684	1884	2084	1.12							
1.12	85	95	2.67	4.47	259	309	359	419	484	559	639	729	829	939	1059	1199	1359	1529	1709	1909	2109	1.12							
1.12	118	132	4.66	7.93	204	254	304	364	429	504	584	674	774	884	1004	1144	1304	1474	1654	1854	2054	1.12							
1.12	100	112	3.30	5.51	233	283	333	393	458	533	613	703	803	913	1033	1173	1333	1503	1683	1883	2083	1.12							
1.12	125	140	5.19	8.84	192	242	292	352	417	492	572	662	762	872	992	1132	1292	1462	1642	1842	2042	1.12							
1.12	200	224	10.55	17.42	-	-	-	292	367	467	567	667	767	877	997	1137	1297	1467	1647	1847	2047	1.12							
1.13	80	90	2.28	3.76	266	316	366	426	491	566	646	736	836	946	1066	1206	1366	1536	1716	1906	2096	1.13							
1.13	160	180	7.74	13.12	-	-	233	293	358	433	513	603	703	803	913	1033	1173	1333	1503	1683	1883	1.13							
1.14	132	150	5.71	9.73	178	228	278	338	403	478	558	648	748	858	978	1118	1278	1448	1628	1828	2028	1.14							
1.14	140	160	6.29	10.73	-	214	264	324	389	464	544	634	734	844	964	1104	1264	1434	1614	1814	2014	1.14							
1.18	85	100	2.67	4.47	255	305	355	415	480	555	635	725	825	935	1055	1195	1355	1525	1705	1905	2105	1.18							
1.18	90	106	2.53	4.12	246	296	346	406	471	546	626	716	816	926	1046	1186	1346	1516	1696	1896	2096	1.18							
1.18	112	132	4.21	7.13	208	258	308	368	433	508	588	678	778	888	1008	1148	1308	1478	1658	1858	2058	1.18							
1.18	95	112	2.92	4.82	237	287	337	397	462	537	617	707	807	917	1037	1177	1337	1507	1687	1887	2087	1.18							
1.18	106	125	3.76	6.33	218	268	318	378	443	518	608	708	808	918	1038	1178	1338	1508	1688	1888	2088	1.18							
1.18	100	118	3.39	5.68	229	279	329	389	454	529	609	699	799	909	1029	1169	1329	1499	1679	1879	2079	1.18							
1.19	118	140	4.75	8.10	197	247	297	357	422	497	577	667	767	877	997	1137	1297	1467	1647	1847	2047	1.19							
1.19	80	95	2.37	3.93	262	312	362	422	487	562	642	732	832	942	1062	1202	1362	1532	1712	1902	2092	1.19							
1.20	125	150	5.27	9.01	184	234	284	344	409	484	564	654	754	864	984	1124	1284	1454	1634	1834	2034	1.20							
1.20	150	180	7.11	12.12	-	190	240	300	366	441	521	611	711	821	941	1081	1241	1411	1591	1791	1991	1.20							
1.21	132	160	5.79	9.90	170	220	270	330	395	470	550	640	740	850	970	1110	1270	1440	1620	1820	2020	1.21							
1.24	95	118	3.00	4.99	232	282	332	392	457	532	612	702	802	912	1032	1172	1332	1502	1682	1882	2082	1.24							
1.24	90	112	2.62	4.29	241	291	341	401	466	541	621	711	811	921	1041	1181	1341	1511	1691	1891	2091	1.24							
1.24	180	224	9.25	15.53	-	-	-	242	307	382	462	552	652	762	882	1022	1182	1352	1532	1732	1932	1.24							
1.25	106	132	3.84	6.50	213	263	313	373	438	513	593	683	783	893	1013	1153	1313	1483	1663	1863	2063	1.25							
1.25	85	106	2.76	4.65	250	300	350	410	475	550	630	720	820	930	1050	1190	1350	1520	1700	1900	2100	1.25							
1.25																													

Centre Distance SPA, XPA & OXPA 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		
Speed Ratio	Pitch Diameter of Pulleys		Power per SPA Belt (kW)		BELT LENGTH															SPA & OXPA ONLY			SPA ONLY			
	Driver	Driven	1440 rev/min	2880 rev/min	800	900	1000	1120	1250	1400	1600	1800	2000	2240	2500	2800	3150	3550	4000	4500	800	900	1000			
					1440	2880	1440	2880	1440	2880	1440	2880	1440	2880	1440	2880	1440	2880	1440	2880	1440	2880	1440		2880	1440
1.39	<i>85</i>	<i>118</i>	2.89	4.92	240	290	340	400	465	540	640	-	-	-	-	-	-	-	-	-	-	-	1.39			
1.39	<i>90</i>	<i>125</i>	2.75	4.56	230	281	331	391	456	531	631	731	831	951	1081	1231	1406	1606	1831	2081	-	-	1.39			
1.39	<i>180</i>	<i>250</i>	9.38	15.80	-	-	-	-	285	361	461	561	661	781	912	1062	1237	1437	1662	1912	-	-	1.39			
1.39	<i>95</i>	<i>132</i>	3.14	5.26	221	271	321	381	446	521	621	721	822	942	1072	1222	1397	1597	1822	2072	-	-	1.39			
1.40	<i>80</i>	<i>112</i>	2.50	4.20	249	299	349	409	474	549	649	-	-	-	-	-	-	-	-	-	-	-	1.40			
1.40	<i>100</i>	<i>140</i>	3.52	5.95	211	261	311	371	436	511	611	711	811	931	1061	1211	1386	1586	1811	2061	-	-	1.40			
1.40	<i>160</i>	<i>224</i>	7.96	13.56	-	-	-	256	322	397	497	598	698	818	948	1098	1273	1473	1698	1948	-	-	1.40			
1.40	<i>200</i>	<i>280</i>	10.77	17.87	-	-	-	-	321	421	521	622	742	872	1022	1197	1397	1623	1873	2143	-	-	1.40			
1.42	<i>106</i>	<i>150</i>	3.98	6.77	198	248	298	358	423	498	599	699	799	919	1049	1199	1374	1574	1799	2049	-	-	1.42			
1.43	<i>112</i>	<i>160</i>	4.43	7.57	185	235	285	346	411	486	586	686	786	906	1036	1186	1361	1561	1786	2036	-	-	1.43			
1.43	<i>140</i>	<i>200</i>	6.51	11.17	-	-	231	291	357	432	532	632	732	852	983	1133	1308	1508	1733	1983	-	-	1.43			
1.44	<i>125</i>	<i>180</i>	5.41	9.28	-	209	259	319	384	460	560	660	760	880	1010	1160	1335	1535	1760	2010	-	-	1.44			
1.47	<i>90</i>	<i>132</i>	2.75	4.56	225	275	325	385	450	525	625	725	825	945	1075	1225	1400	1601	1826	2076	-	-	1.47			
1.47	<i>85</i>	<i>125</i>	2.89	4.92	234	284	334	395	460	535	635	-	-	-	-	-	-	-	-	-	-	-	1.47			
1.47	<i>95</i>	<i>140</i>	3.14	5.26	214	264	315	375	440	515	615	715	815	935	1065	1215	1390	1590	1815	2065	-	-	1.47			
1.47	<i>80</i>	<i>118</i>	2.50	4.20	244	294	344	404	469	544	644	-	-	-	-	-	-	-	-	-	-	-	1.47			
1.49	<i>150</i>	<i>224</i>	7.24	12.39	-	-	264	329	405	505	605	705	825	956	1106	1281	1481	1706	1956	2216	-	-	1.49			
1.50	<i>100</i>	<i>150</i>	3.52	5.95	202	252	303	363	428	503	603	703	803	923	1053	1203	1378	1578	1803	2053	-	-	1.50			
1.51	<i>106</i>	<i>160</i>	3.98	6.77	189	240	290	350	415	490	590	691	791	911	1041	1191	1366	1566	1791	2041	-	-	1.51			
1.52	<i>132</i>	<i>200</i>	5.93	10.17	-	186	237	297	363	438	538	638	738	859	989	1139	1314	1514	1739	1989	-	-	1.52			
1.53	<i>118</i>	<i>180</i>	4.88	8.37	-	214	264	324	390	465	565	665	765	885	1015	1166	1341	1541	1766	2016	-	-	1.53			
1.55	<i>85</i>	<i>132</i>	2.89	4.92	228	279	329	389	454	529	629	-	-	-	-	-	-	-	-	-	-	-	1.55			
1.56	<i>90</i>	<i>140</i>	2.75	4.56	218	268	318	379	444	519	619	719	819	939	1069	1219	1394	1594	1819	2069	-	-	1.56			
1.56	<i>180</i>	<i>280</i>	9.38	15.80	-	-	-	-	259	335	436	536	637	757	887	1038	1213	1413	1638	1888	-	-	1.56			
1.56	<i>80</i>	<i>125</i>	2.50	4.20	238	288	338	398	463	539	639	-	-	-	-	-	-	-	-	-	-	-	1.56			
1.56	<i>160</i>	<i>250</i>	7.96	13.56	-	-	234	300	375	476	576	676	797	927	1077	1252	1452	1677	1927	2187	-	-	1.56			
1.57	<i>200</i>	<i>315</i>	10.78	17.89	-	-	-	290	391	492	593	713	844	994	1169	1369	1594	1845	2105	2375	-	-	1.57			
1.58	<i>95</i>	<i>150</i>	3.19	5.38	206	256	306	367	432	507	607	707	807	927	1057	1207	1382	1582	1807	2057	-	-	1.58			
1.60	<i>100</i>	<i>160</i>	3.58	6.07	193	244	294	355	420	495	595	695	795	915	1045	1195	1370	1571	1796	2046	-	-	1.60			
1.60	<i>125</i>	<i>200</i>	5.46	9.39	-	191	242	302	368	443	543	644	744	864	994	1144	1319	1519	1744	1994	-	-	1.60			
1.60	<i>140</i>	<i>224</i>	6.57	11.28	-	-	210	271	336	412	512	613	713	833	963	1113	1288	1489	1714	1964	-	-	1.60			
1.61	<i>112</i>	<i>180</i>	4.49	7.69	167	218	269	329	394	469	570	670	770	890	1020	1170	1345	1545	1770	2020	-	-	1.61			
1.65	<i>85</i>	<i>140</i>	2.95	5.03	222	272	322	382	447	523	623	-	-	-	-	-	-	-	-	-	-	-	1.65			
1.65	<i>80</i>	<i>132</i>	2.56	4.32	232	282	332	393	458	533	633	-	-	-	-	-	-	-	-	-	-	-	1.65			
1.67	<i>90</i>	<i>150</i>	2.81	4.68	209	260	310	370	435	511	611	711	811	931	1061	1211	1386	1586	1811	2061	-	-	1.67			
1.67	<i>150</i>	<i>250</i>	7.30	12.50	-	-	241	307	383	483	584	684	804	935	1085	1260	1460	1685	1935	2185	-	-	1.67			
1.68	<i>95</i>	<i>160</i>	3.19	5.38	197	248	298	358	423	499	599	699	799	919	1049	1199	1374	1574	1799	2049	-	-	1.68			
1.69	<i>118</i>	<i>200</i>	4.94	8.48	-	196	247	308	373	448	549	649	749	869	999	1150	1325	1525	1750	2000	-	-	1.69			
1.70	<i>132</i>	<i>224</i>	5.98	10.28	-	-	215	277	342	418	518	619	719	839	969	1119	1295	1495	1720	1970	-	-	1.70			
1.70	<i>106</i>	<i>180</i>	4.04	6.88	171	222	273	333	399	474	574	674	774	895	1025	1175	1350	1550	1775	2025	-	-	1.70			
1.75	<i>80</i>	<i>140</i>	2.56	4.32	225	276	326	386	451	526	626	-	-	-	-	-	-	-	-	-	-	-	1.75			
1.75	<i>160</i>	<i>280</i>	8.02	13.68	-	-	-	273	349	450	551	652	772	902	1053	1228	1428	1653	1903	2153	-	-	1.75			
1.75	<i>180</i>	<i>315</i>	9.44	15.91	-	-	-	-	304	406	507	607	728	859	1009	1184	1385	1610	1860	2110	-	-	1.75			
1.76	<i>85</i>	<i>150</i>	2.95	5.03	213	263	314	374	439	514	615	-	-	-	-	-	-	-	-	-	-	-	1.76			
1.78	<i>90</i>	<i>160</i>	2.81	4.68	201	251	302	362	427	502	603	703	803	923	1053	1203	1378	1578	1803	2053	-	-	1.78			
1.79	<i>112</i>	<i>200</i>	4.49	7.69	-	200	251	312	377	453	553	653	754	874	1004	1154	1329	1529	1754	2004	-	-	1.79			
1.79	<i>140</i>	<i>250</i>	6.57	11.28	-	-	248	314	390	491	591	692	812	942	1092	1268	1468	1693	1943	2193	-	-	1.79			
1.79	<i>125</i>	<i>224</i>	5.46	9.39	-	220	282	347	423	524	624	724	844	975	1125	1300	1500	1725	1975	2225	-	-	1.79			
1.80	<i>100</i>	<i>180</i>	3.58	6.07	176	227	277	338	403	478	579	679	779	899	1029	1179	1354	1555	1780	2030	-	-	1.80			
1.87	<i>150</i>	<i>280</i>	7.30	12.50	-	-	-	280	356	458	558	659	780	910	1060	1236	1436	1661	1911	2161	-	-	1.87			
1.88	<i>80</i>	<i>150</i>	2.56	4.32	217	267	317	378	443	518	618	-	-	-	-	-	-	-	-	-	-	-	1.88			
1.88	<i>85</i>	<i>160</i>	2.95	5.03	204	255	305	366	431	506	606	-	-	-	-	-	-	-	-	-	-	-	1.88			
1.89	<i>106</i>	<i>200</i>	4.04	6.88	-	204	255	316	382	457	558	658	758	878	1009	1159	1334	1534	1759	2009	-	-	1.89			
1.89	<i>132</i>	<i>250</i>	5.98	10.28	-	-	253	320	396	496	597	697	817	948	1098	1274	1474	1699	1949	2199	-	-	1.89			
1.89	<i>95</i>	<i>180</i>	3.19	5.38	179	230	281	341	407	482	582	683	783	903	1033	1183	1358	1558	1784	2034	-	-	1.89			
1.90	<i>118</i>	<i>224</i>	4.94	8.48	-	225	286	352	428	529	629	729	850	980	1130	1305	1505	1731	1981	2231	-	-	1.90			
1.97	<i>160</i>	<i>315</i>	8.07	13.77	-	-	-	317	420	521	622	743	873	1024	1199	1400	1625	1875	2125	2375	-	-	1.97			
2.00	<i>80</i>	<i>160</i>	2.60	4.41	208	258	309	369	435	510	610	-	-	-	-	-	-	-	-	-	-	-	2.00			
2.00	<i>90</i>	<i>180</i>	2.85	4.7																						

Centre Distance SPA, XPA & QXPA Wedge Belt Drives



Section

Combined Arc and Belt Length Correction Factor					0.80		0.85			0.90			0.95			1.00			1.05			1.10			Speed Ratio
Speed Ratio	Pitch Diameter of Pulleys		Power per SPA Belt (kW)		BELT LENGTH																		Speed Ratio		
	Driver	Driven	1440 rev/min	2880 rev/min	SPA & QXPA ONLY																				
					800	900	1000	1120	1250	1400	1600	1800	2000	2240	2500	2800	3150	3550	4000	4500					
2.25	<i>80</i>	<i>180</i>	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	<i>85</i>	<i>200</i>	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	<i>80</i>	<i>200</i>	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	<i>95</i>	<i>250</i>	3.24	5.47	-	-	215	278	345	422	523	624	725	845	976	1126	1302	1502	1727	1978	-	-	-	2.63	
2.64	<i>85</i>	<i>224</i>	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	<i>80</i>	<i>224</i>	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	<i>85</i>	<i>250</i>	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	<i>80</i>	<i>250</i>	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	<i>85</i>	<i>280</i>	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	563	684	816	972	1154	1356	1582	1833	-	-	-	3.33	
3.39	118	400	5.02	8.64	-	-	-	-	-	-	366	472	576	699	831	983	1160	1361	1587	1838	-	-	-	3.39	
3.50	<i>80</i>	<i>280</i>	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	<i>85</i>	<i>315</i>	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	<i>80</i>	<i>315</i>	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	2004	-	-	-	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	<i>85</i>	<i>400</i>	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	<i>80</i>	<i>400</i>	2.64	4.47	-	-	-	-	-	277	390	-	-	-	-	-	-	-	-	-	-	-	-	5.00	
5.00	100	500	3.66	6.22	-	-	-	-	-																

Combined Arc and Belt Length Correction Factor				0.85		0.90		0.95		1.00			1.05			1.10		1.15		Speed Ratio	
Speed Ratio	Pitch Diameter of Pulleys		Power per SPB Belt (kW)		BELT LENGTH										SPB & OXPB ONLY			SPB ONLY			
	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	<i>112</i>	<i>112</i>	4.81	3.52	449	524	724	824	-	-	-	-	-	-	-	-	-	-	-	1.00	
1.00	<i>118</i>	<i>118</i>	5.56	4.04	440	515	715	815	-	-	-	-	-	-	-	-	-	-	-	1.00	
1.00	<i>125</i>	<i>125</i>	6.43	4.64	429	504	704	804	-	-	-	-	-	-	-	-	-	-	-	1.00	
1.00	<i>132</i>	<i>132</i>	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	<i>112</i>	<i>118</i>	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	<i>125</i>	<i>132</i>	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	<i>118</i>	<i>125</i>	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	<i>132</i>	<i>140</i>	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	<i>112</i>	<i>125</i>	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	<i>118</i>	<i>132</i>	6.05	4.37	429	504	704	804	-	-	-	-	-	-	-	-	-	-	-	-	1.12
1.12	<i>125</i>	<i>140</i>	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	<i>132</i>	<i>150</i>	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	959	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	942	1092	1267	1467	1692	1942	2192	2492	2842	3242	3692	1.18
1.18	<i>112</i>	<i>132</i>	5.30	3.85	433	508	708	808	-	-	-	-	-	-	-	-	-	-	-	-	1.18
1.18	190	224	12.59	9.03	299	374	574	674	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	<i>118</i>	<i>140</i>	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	<i>125</i>	<i>150</i>	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	<i>132</i>	<i>160</i>	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					

Centre Distance SPB, XPB & QXPB Wedge Belt Drives



Section

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 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
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	3180	3630	1.47
1.47	160	236	9.95	7.13	312	387	588	688	808	938	1088	1263	1463	1689	1939	2189	2489	2839	3239	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	3809	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	2638	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	

Centre Distance SPB, XPB, & QXPB Wedge Belt Drives



3
Section

Combined Arc and Belt Length Correction Factor					0.80		0.85		0.90		0.95		1.00			1.05		1.10		Speed Ratio				
Speed Ratio	Pitch Diameter of Pulleys		Power per SPB Belt (kW)		BELT LENGTH								SPB & QXPB ONLY			SPB ONLY								
	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	1786	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.50		
4.71	170	800	11.28	8.06	-	-	-	-	-	-	-	449	595	756	938	1144	1373	1627	1879	2181	2533	2935	3386	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.

POWER RATINGS - CRE PLUS WEDGE BELTS

Most of the pulley combinations listed so far in this manual can be used with Fenner CRE Plus wedge belts, offering about 10% rating advantage over Power Plus jacketed belts, particularly on small pulley diameters. For ratings at other pulley/speed combinations - consult your local Authorised Distributor.

Rev/min of faster shaft	RATED POWER (kW) PER BELT FOR SMALL PULLEY PITCH DIA. (mm)																			
	XPZ					XPA					XPB									
	56	60	63	67	71	75	80	80	85	90	95	100	106	112	112	118	125	132	140	150
100	0.10	0.11	0.13	0.14	0.16	0.17	0.19	0.22	0.25	0.28	0.32	0.35	0.39	0.43	0.51	0.57	0.64	0.71	0.79	0.89
200	0.18	0.21	0.23	0.26	0.29	0.32	0.35	0.38	0.45	0.52	0.58	0.65	0.72	0.80	0.93	1.04	1.17	1.30	1.46	1.64
300	0.25	0.29	0.33	0.37	0.41	0.45	0.51	0.54	0.63	0.73	0.82	0.92	1.03	1.14	1.30	1.46	1.66	1.85	2.07	2.34
400	0.32	0.37	0.42	0.47	0.53	0.58	0.65	0.68	0.80	0.93	1.05	1.17	1.32	1.47	1.64	1.86	2.11	2.37	2.65	3.01
500	0.38	0.45	0.50	0.57	0.64	0.71	0.79	0.81	0.96	1.11	1.27	1.42	1.60	1.78	1.97	2.24	2.55	2.86	3.21	3.65
600	0.44	0.53	0.59	0.67	0.75	0.83	0.93	0.93	1.11	1.29	1.48	1.66	1.87	2.08	2.28	2.60	2.97	3.33	3.75	4.26
700	0.50	0.60	0.67	0.76	0.85	0.95	1.06	1.05	1.26	1.47	1.68	1.88	2.13	2.38	2.58	2.95	3.37	3.79	4.27	4.86
720	0.51	0.61	0.68	0.78	0.87	0.97	1.09	1.07	1.29	1.50	1.72	1.93	2.18	2.44	2.64	3.01	3.45	3.88	4.37	4.98
800	0.56	0.67	0.75	0.85	0.96	1.06	1.19	1.16	1.40	1.64	1.87	2.11	2.39	2.67	2.87	3.28	3.76	4.23	4.77	5.44
800	0.61	0.73	0.82	0.94	1.06	1.17	1.32	1.27	1.53	1.80	2.06	2.32	2.64	2.95	3.14	3.60	4.13	4.66	5.26	6.00
900	0.65	0.77	0.87	0.99	1.12	1.24	1.39	1.33	1.61	1.89	2.17	2.45	2.78	3.11	3.30	3.79	4.35	4.91	5.55	6.34
1000	0.67	0.80	0.90	1.03	1.15	1.28	1.44	1.37	1.67	1.96	2.25	2.53	2.88	3.22	3.41	3.91	4.50	5.08	5.74	6.55
1100	0.72	0.86	0.97	1.11	1.25	1.39	1.56	1.47	1.79	2.11	2.43	2.74	3.11	3.49	3.67	4.21	4.85	5.48	6.20	7.09
1200	0.77	0.92	1.04	1.19	1.34	1.50	1.68	1.57	1.92	2.26	2.60	2.94	3.35	3.75	3.91	4.51	5.19	5.87	6.65	7.61
1300	0.82	0.99	1.11	1.27	1.44	1.60	1.80	1.66	2.04	2.40	2.77	3.14	3.57	4.01	4.15	4.79	5.53	6.26	7.09	8.12
1400	0.87	1.04	1.18	1.35	1.53	1.70	1.92	1.75	2.15	2.55	2.94	3.33	3.79	4.26	4.38	5.06	5.85	6.63	7.52	8.61
1440	0.89	1.07	1.20	1.39	1.56	1.74	1.97	1.79	2.20	2.60	3.00	3.40	3.88	4.35	4.47	5.17	5.98	6.78	7.68	8.81
1500	0.91	1.10	1.24	1.43	1.62	1.80	2.03	1.84	2.26	2.68	3.10	3.52	4.01	4.50	4.61	5.33	6.16	6.99	7.93	9.09
1600	0.96	1.16	1.31	1.51	1.71	1.90	2.15	1.92	2.37	2.82	3.26	3.70	4.22	4.74	4.82	5.59	6.47	7.34	8.34	9.56
1700	1.00	1.22	1.38	1.58	1.79	2.00	2.26	2.01	2.48	2.95	3.41	3.88	4.42	4.98	5.03	5.84	6.76	7.69	8.73	10.02
1800	1.05	1.27	1.44	1.66	1.88	2.10	2.37	2.08	2.58	3.07	3.57	4.05	4.63	5.21	5.23	6.08	7.05	8.02	9.11	10.46
1900	1.09	1.33	1.50	1.73	1.96	2.19	2.48	2.16	2.68	3.20	3.71	4.22	4.83	5.43	5.43	6.31	7.33	8.34	9.48	10.89
2000	1.13	1.38	1.56	1.81	2.05	2.29	2.58	2.23	2.78	3.32	3.86	4.39	5.02	5.65	5.61	6.53	7.60	8.65	9.84	11.30
2100	1.18	1.43	1.62	1.88	2.13	2.38	2.69	2.30	2.87	3.44	4.00	4.55	5.21	5.87	5.79	6.75	7.86	8.95	10.18	11.70
2200	1.22	1.48	1.68	1.95	2.21	2.47	2.79	2.37	2.96	3.55	4.13	4.71	5.40	6.08	5.96	6.96	8.11	9.24	10.52	12.09
2300	1.26	1.53	1.74	2.02	2.29	2.56	2.90	2.44	3.05	3.66	4.27	4.87	5.58	6.28	6.13	7.16	8.35	9.52	10.84	12.46
2400	1.29	1.58	1.80	2.08	2.37	2.65	3.00	2.50	3.14	3.77	4.40	5.02	5.76	6.48	6.28	7.35	8.58	9.79	11.15	12.82
2500	1.33	1.63	1.86	2.15	2.44	2.74	3.10	2.56	3.22	3.87	4.52	5.16	5.93	6.68	6.43	7.53	8.80	10.05	11.45	13.17
2600	1.37	1.68	1.91	2.22	2.52	2.82	3.20	2.61	3.30	3.97	4.64	5.31	6.09	6.87	6.58	7.71	9.01	10.29	11.73	13.49
2700	1.41	1.73	1.97	2.28	2.60	2.91	3.29	2.67	3.37	4.07	4.76	5.45	6.25	7.05	6.71	7.88	9.21	10.53	12.01	13.81
2800	1.44	1.77	2.02	2.35	2.67	2.99	3.39	2.72	3.45	4.17	4.88	5.58	6.41	7.23	6.84	8.03	9.41	10.76	12.27	14.11
2880	1.47	1.81	2.06	2.40	2.73	3.06	3.47	2.76	3.50	4.24	4.97	5.68	6.53	7.37	6.93	8.15	9.55	10.93	12.47	14.34
2900	1.48	1.82	2.07	2.41	2.74	3.07	3.48	2.77	3.52	4.26	4.99	5.71	6.56	7.41	6.96	8.18	9.59	10.97	12.51	14.39
3000	1.51	1.86	2.13	2.47	2.82	3.16	3.58	2.82	3.59	4.35	5.10	5.84	6.71	7.57	7.07	8.32	9.76	11.17	12.75	14.66
3100	1.55	1.91	2.18	2.53	2.89	3.24	3.67	2.86	3.65	4.43	5.20	5.96	6.86	7.74	7.17	8.45	9.92	11.36	12.97	14.91
3200	1.58	1.95	2.23	2.59	2.96	3.32	3.76	2.90	3.71	4.51	5.30	6.08	6.99	7.89	7.27	8.58	10.08	11.54	13.17	15.14
3300	1.61	1.99	2.28	2.65	3.03	3.39	3.85	2.94	3.77	4.59	5.40	6.19	7.13	8.05	7.35	8.69	10.22	11.71	13.36	15.36
3400	1.64	2.03	2.33	2.71	3.09	3.47	3.94	2.98	3.83	4.66	5.49	6.30	7.25	8.19	7.43	8.79	10.35	11.86	13.54	15.56
3500	1.67	2.08	2.37	2.77	3.16	3.55	4.02	3.01	3.88	4.74	5.58	6.40	7.38	8.33	7.50	8.89	10.47	12.00	13.70	15.74
3600	1.70	2.12	2.42	2.83	3.23	3.62	4.11	3.05	3.93	4.80	5.66	6.50	7.49	8.46	7.56	8.97	10.57	12.13	13.85	15.90
3700	1.73	2.15	2.47	2.88	3.29	3.69	4.19	3.07	3.98	4.87	5.74	6.60	7.61	8.59	7.62	9.05	10.67	12.24	13.98	16.05
3800	1.76	2.19	2.51	2.94	3.35	3.77	4.28	3.10	4.02	4.93	5.82	6.69	7.71	8.71	7.66	9.11	10.76	12.35	14.09	16.18
3900	1.79	2.23	2.56	2.99	3.42	3.84	4.36	3.12	4.06	4.98	5.89	6.77	7.81	8.83	7.70	9.17	10.83	12.43	14.20	16.28
4000	1.82	2.27	2.60	3.04	3.48	3.91	4.44	3.14	4.10	5.04	5.96	6.86	7.91	8.94	7.73	9.21	10.89	12.51	14.28	16.37
4100	1.85	2.30	2.65	3.09	3.54	3.98	4.52	3.16	4.13	5.09	6.02	6.93	8.00	9.04						
4200	1.87	2.34	2.69	3.15	3.60	4.04	4.59	3.18	4.16	5.13	6.08	7.00	8.09	9.13						

Centre Distance SPC & OXPC 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 SPC Belt (kW)		BELT LENGTH										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
1.00	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	3372	3872	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	5441	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	6091	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	6154	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	6193	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	6068	1.12
1.13	560	630	-	54.30	-	-	-	-	840	1065	1315	1565	1866	2216	2616	3066	3566	4066	4666	5316	6016	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	6087	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	6213	1.19
1.19	265	315	26.31	19.72	544	664	794	944	1119	1319	1544	1794	2044	2344	2694	3094	3544	4044	4544	5144	5794	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	2356	2756	3207	3707	4207	4807	5457	6107	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	6193	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	4712	5362	6012	6662	1.26
1.27	315	400	35.46	26.69	437	557	687	838	1013	1213	1438	1688	1938	2238	2588	2988	3438	3938	4438	5038	5688	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	6126	1.32
1.33	300	400	39.93	24.72	448	568	698	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	6213	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	6248	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	6146	1.40
1.40	450	630	55.16	43.53	-	-	722	923	1149	1399	1650	1900	2200	2550	2950	3400	3900	4400	4900	5500	6150	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	6228	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	1774	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	5831	1.43
1.48	425	630	52.20	40.64	-	-	740	941	1167	1418	1669	1969	2320	2720	3170	3670	4171	4771	5421	6071	6721	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	6244	1.49
1.49	375	560	45.31	34.61	-	660	836	1037	1263	1513	1764	2064	2414	2815	3							

Centre Distances SPC & QXPC 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										Speed Ratio							
	Driver	Driven	1440 rev/min	960 rev/min	2000	2240	2500	2800	3150	3550	4000	4500	5000	5600		6300	SPC ONLY					
																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	5967	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	-	55.49	-	-	-	-	-	-	1001	1256	1560	1913	2315	2767	3268	3769	4370	5021	5719	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	4635	5285	5985	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	5766	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	6217	2.10
2.11	475	1000	58.71	46.79	-	-	-	-	-	-	1060	1316	1621	1975	2378	2830	3332	3833	4434	5085	5785	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	6023	2.13
2.22	450	1000	55.82	43.98	-	-	-	-	-	815	1077	1333	1639	1993	2396	2848	3350	3852	4453	5104	5804	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	-	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	6233	2.25
2.25	355	800	42.87	32.56	-	-	-	-	839	1070	1325	1578	1880	2232	2634	3085	3586	4087	4688	5339	6039	2.25
2.35	425	1000	52.77	41.09	-	-	-	-	-	832	1094	1351	1656	2011	2414	2867	3369	3871	4472	5123	5823	2.35
2.36	530	1250	64.03	52.67	-	-	-	-	-	-	-	1040	1355	1715	2122	2578	3082	3585	4187	4839	5539	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	6054	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	5562	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	6069	2.54
2.63	475	1250	58.71	46.79	-	-	-	-	-	-	-	1076	1392	1753	2161	2617	3122	3625	4228	4880	5580	2.63
2.67	375	1000	45.88	35.06	-	-	-	-	-	864	1127	1385	1692	2047	2451	2904	3406	3908	4510	5161	5861	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	2633	3140	3644	4247	4899	5600	6300	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	5876	2.82
2.86	280	800	30.44	22.78	-	-	-	677	889	1122	1378	1631	1935	2287	2690	3141	3643	4144	4745	5396	6096	2.86
2.94	425	1250	52.77	41.09	-	-	-	-	-	-	-	1108	1425	1788	2196	2653	3158	3662	4265	4916	5616	2.94
2.99	335	1000	39.73	30.01	-	-	-	-	-	890	1154	1413	1720	2075	2480	2933	3436	3938	4540	5191	5891	2.99
3.02	265	800	27.75	20.75	-	-	-	687	899	1132	1388	1642	1946	2298	2701	3153	3654	4155	4756	5407	6107	3.02
3.13	400	1250	49.41	38.11	-	-	-	-	-	-	1124	1442	1805	2214	2671	3176	3680	4284	4936	5636	6336	3.13
3.17	315	1000	36.49	27.42	-	-	-	-	-	903	1167	1427	1734	2090	2494	2948	3451	3953	4555	5206	5906	3.17
3.20	250	800	25.00	18.70	-	-	-	696	909	1143	1399	1653	1956	2309	2712	3164	3665	4167	4768	5419	6119	3.20
3.33	300	1000	33.93	25.45	-	-	-	-	-	912	1177	1437	1744	2100	2505	2959	3462	3964	4565	5216	5916	3.33
3.39	236	800	22.69	16.90	-	-	-	705	918	1152	1409	1663	1967	2320	2722	3174	3676	4177	4778	5429	6129	3.39
3.52	355	1250	43.18	32.70	-	-	-	-	-	876	1153	1472	1836	2245	2703	3209	3713	4317	4970	5670	6370	3.52
3.57	224																					

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	0.12	0.13	0.15	0.16	0.18	0.20	0.22	0.24	0.25	0.30	0.35	0.40	10
500	0.45	0.52	0.59	0.66	0.74	0.82	0.91	0.99	1.07	1.27	1.48	1.73	
720	0.61	0.70	0.80	0.89	1.01	1.13	1.25	1.36	1.48	1.76	2.05	2.39	
800	0.66	0.77	0.87	0.98	1.11	1.24	1.37	1.50	1.62	1.93	2.25	2.63	
900	0.73	0.85	0.96	1.08	1.23	1.37	1.51	1.66	1.80	2.14	2.50	2.92	
960	0.77	0.89	1.02	1.14	1.29	1.45	1.60	1.75	1.90	2.26	2.65	3.09	
1000	0.79	0.92	1.05	1.18	1.34	1.50	1.66	1.81	1.97	2.34	2.74	3.20	
1100	0.85	1.00	1.14	1.28	1.45	1.63	1.80	1.97	2.14	2.55	2.98	3.48	
1200	0.92	1.07	1.22	1.37	1.56	1.75	1.94	2.12	2.31	2.75	3.22	3.75	
1300	0.98	1.14	1.30	1.47	1.67	1.87	2.07	2.27	2.47	2.94	3.45	4.02	
1400	1.03	1.21	1.39	1.56	1.78	1.99	2.21	2.42	2.63	3.14	3.68	4.29	
1440	1.06	1.24	1.42	1.60	1.82	2.04	2.26	2.48	2.70	3.22	3.77	4.40	
1500	1.09	1.28	1.47	1.65	1.88	2.11	2.34	2.57	2.79	3.33	3.90	4.55	
1600	1.15	1.35	1.54	1.74	1.99	2.23	2.47	2.71	2.95	3.52	4.12	4.81	
1700	1.20	1.41	1.62	1.83	2.09	2.34	2.60	2.85	3.11	3.70	4.34	5.06	
1800	1.25	1.48	1.70	1.92	2.19	2.46	2.73	2.99	3.26	3.89	4.55	5.31	
1900	1.31	1.54	1.77	2.00	2.29	2.57	2.85	3.13	3.41	4.07	4.77	5.56	
2000	1.36	1.60	1.84	2.08	2.38	2.68	2.97	3.27	3.56	4.24	4.97	5.80	
2100	1.41	1.66	1.92	2.17	2.48	2.79	3.10	3.40	3.70	4.42	5.18	6.03	
2200	1.46	1.72	1.99	2.25	2.57	2.90	3.21	3.53	3.85	4.59	5.38	6.27	
2300	1.51	1.78	2.06	2.33	2.67	3.00	3.33	3.66	3.99	4.76	5.58	6.49	
2400	1.55	1.84	2.13	2.41	2.76	3.10	3.45	3.79	4.13	4.92	5.77	6.72	
2500	1.60	1.90	2.19	2.49	2.85	3.21	3.56	3.92	4.26	5.09	5.96	6.94	
2600	1.65	1.95	2.26	2.56	2.94	3.31	3.68	4.04	4.40	5.25	6.15	7.15	
2700	1.69	2.01	2.32	2.64	3.02	3.41	3.79	4.16	4.53	5.41	6.33	7.36	
2800	1.74	2.06	2.39	2.71	3.11	3.50	3.89	4.28	4.66	5.56	6.51	7.56	
2880	1.77	2.11	2.44	2.77	3.18	3.58	3.98	4.38	4.77	5.69	6.65	7.72	
2900	1.78	2.12	2.45	2.78	3.19	3.60	4.00	4.40	4.79	5.72	6.69	7.76	
3000	1.82	2.17	2.51	2.85	3.28	3.69	4.11	4.52	4.92	5.87	6.86	7.96	
3100	1.86	2.22	2.57	2.92	3.36	3.79	4.21	4.63	5.04	6.01	7.03	8.15	
3200	1.90	2.27	2.63	2.99	3.44	3.88	4.31	4.74	5.17	6.16	7.19	8.33	
3300	1.94	2.32	2.69	3.06	3.52	3.97	4.41	4.85	5.29	6.30	7.35	8.51	
3400	1.98	2.37	2.75	3.13	3.60	4.06	4.51	4.96	5.40	6.44	7.51	8.69	
3500	2.02	2.41	2.81	3.19	3.67	4.14	4.61	5.07	5.52	6.57	7.66	8.86	
3600	2.06	2.46	2.86	3.26	3.75	4.23	4.70	5.17	5.63	6.70	7.81	9.02	
3700	2.09	2.51	2.92	3.32	3.82	4.31	4.80	5.27	5.74	6.83	7.96	9.18	
3800	2.13	2.55	2.97	3.38	3.89	4.39	4.89	5.37	5.85	6.96	8.10	9.33	
3900	2.16	2.59	3.02	3.44	3.96	4.47	4.98	5.47	5.96	7.08	8.24	9.48	
4000	2.19	2.64	3.07	3.50	4.03	4.55	5.06	5.57	6.06	7.20	8.37	9.62	
4200	2.26	2.72	3.17	3.62	4.17	4.71	5.23	5.75	6.26	7.43	8.62	9.88	
4400	2.32	2.80	3.27	3.73	4.29	4.85	5.39	5.93	6.45	7.64	8.85	10.12	
4600	2.38	2.87	3.35	3.83	4.42	4.99	5.55	6.09	6.63	7.85	9.07	10.34	
4800	2.43	2.94	3.44	3.93	4.53	5.12	5.69	6.25	6.79	8.03	9.26	10.52	
5000	2.48	3.01	3.52	4.03	4.64	5.24	5.83	6.40	6.95	8.20	9.44	10.68	
5200	2.53	3.07	3.60	4.11	4.75	5.36	5.96	6.54	7.10	8.36	9.59	10.82	
5400	2.57	3.13	3.67	4.20	4.84	5.47	6.08	6.66	7.23	8.50	9.72	10.92	
5600	2.61	3.18	3.73	4.27	4.93	5.57	6.19	6.78	7.35	8.63	9.83	-	
5800	2.65	3.23	3.79	4.35	5.02	5.66	6.29	6.89	7.46	8.73	9.92	-	
6000	2.68	3.27	3.85	4.41	5.09	5.75	6.38	6.99	7.56	8.82	9.99	-	

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	1.39 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

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

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	0.26	0.30	0.33	0.37	0.41	0.44	0.49	0.53	0.59	0.65	0.71	0.84	0.96	
200	0.47	0.53	0.60	0.67	0.75	0.82	0.91	0.99	1.09	1.21	1.33	1.57	1.81	
300	0.66	0.75	0.84	0.95	1.06	1.17	1.29	1.42	1.56	1.74	1.91	2.26	2.61	
400	0.84	0.96	1.08	1.22	1.36	1.50	1.66	1.83	2.01	2.24	2.47	2.93	3.38	
500	1.01	1.15	1.30	1.47	1.65	1.82	2.02	2.22	2.45	2.73	3.01	3.57	4.13	
600	1.16	1.34	1.51	1.72	1.92	2.13	2.37	2.60	2.87	3.21	3.54	4.20	4.85	
700	1.32	1.52	1.72	1.95	2.19	2.43	2.70	2.97	3.28	3.67	4.05	4.81	5.56	
720	1.35	1.55	1.76	2.00	2.24	2.49	2.77	3.05	3.36	3.76	4.15	4.93	5.70	
800	1.46	1.69	1.91	2.18	2.45	2.72	3.03	3.33	3.68	4.12	4.55	5.41	6.25	
900	1.60	1.86	2.11	2.41	2.70	3.00	3.35	3.69	4.08	4.56	5.04	5.99	6.92	
960	1.69	1.95	2.22	2.54	2.85	3.17	3.53	3.90	4.31	4.82	5.33	6.33	7.32	
1000	1.74	2.02	2.29	2.62	2.95	3.28	3.66	4.03	4.46	4.99	5.52	6.56	7.58	
1100	1.87	2.18	2.48	2.84	3.19	3.55	3.96	4.37	4.83	5.41	5.98	7.12	8.23	
1200	2.00	2.33	2.65	3.04	3.43	3.81	4.26	4.70	5.20	5.83	6.44	7.66	8.86	
1300	2.12	2.48	2.83	3.24	3.66	4.07	4.55	5.02	5.56	6.23	6.89	8.19	9.47	
1400	2.24	2.62	2.99	3.44	3.88	4.32	4.83	5.34	5.91	6.63	7.33	8.71	10.07	
1440	2.29	2.68	3.06	3.52	3.97	4.42	4.95	5.46	6.05	6.78	7.50	8.92	10.31	
1500	2.36	2.76	3.16	3.63	4.10	4.57	5.11	5.65	6.26	7.01	7.76	9.22	10.65	
1600	2.47	2.90	3.32	3.82	4.32	4.81	5.39	5.95	6.60	7.39	8.18	9.72	11.22	
1700	2.58	3.03	3.47	4.00	4.53	5.05	5.65	6.25	6.93	7.76	8.59	10.20	11.77	
1800	2.69	3.16	3.63	4.18	4.73	5.28	5.91	6.54	7.25	8.12	8.99	10.67	12.31	
1900	2.79	3.29	3.78	4.36	4.93	5.51	6.17	6.82	7.56	8.48	9.38	11.13	12.83	
2000	2.89	3.41	3.92	4.53	5.13	5.73	6.42	7.10	7.87	8.82	9.76	11.58	13.33	
2100	2.99	3.53	4.06	4.69	5.32	5.94	6.66	7.37	8.17	9.16	10.13	12.01	13.81	
2200	3.09	3.64	4.20	4.86	5.51	6.15	6.90	7.64	8.46	9.48	10.48	12.42	14.28	
2300	3.18	3.76	4.33	5.01	5.69	6.36	7.13	7.89	8.75	9.80	10.83	12.83	14.73	
2400	3.26	3.87	4.46	5.17	5.87	6.56	7.36	8.14	9.03	10.11	11.17	13.22	15.16	
2500	3.35	3.97	4.59	5.32	6.04	6.75	7.58	8.39	9.30	10.41	11.50	13.59	15.57	
2600	3.43	4.07	4.71	5.46	6.21	6.94	7.79	8.62	9.56	10.70	11.81	13.95	15.96	
2700	3.51	4.17	4.83	5.60	6.37	7.13	8.00	8.85	9.81	10.98	12.12	14.29	16.32	
2800	3.59	4.27	4.94	5.74	6.53	7.30	8.20	9.07	10.05	11.25	12.41	14.62	16.67	
2880	3.64	4.34	5.03	5.85	6.65	7.44	8.35	9.24	10.24	11.46	12.64	14.87	16.93	
2900	3.66	4.36	5.05	5.87	6.68	7.48	8.39	9.29	10.29	11.51	12.69	14.93	17.00	
3000	3.73	4.45	5.16	6.00	6.83	7.64	8.58	9.49	10.52	11.76	12.96	15.22	17.30	
3100	3.79	4.53	5.26	6.12	6.97	7.81	8.76	9.69	10.74	12.00	13.21	15.50	17.58	
3200	3.86	4.61	5.36	6.24	7.11	7.96	8.93	9.89	10.94	12.23	13.46	15.76	17.84	
3300	3.92	4.69	5.45	6.36	7.24	8.11	9.10	10.07	11.15	12.44	13.69	16.00	18.07	
3400	3.98	4.77	5.55	6.47	7.37	8.25	9.26	10.24	11.34	12.65	13.90	16.23	18.28	
3500	4.03	4.84	5.63	6.57	7.49	8.39	9.41	10.41	11.52	12.84	14.11	16.43	18.46	
3600	4.08	4.90	5.72	6.67	7.61	8.52	9.56	10.57	11.69	13.03	14.30	16.61	18.62	
3700	4.13	4.97	5.79	6.77	7.72	8.65	9.70	10.72	11.85	13.20	14.47	16.78	18.75	
3800	4.17	5.03	5.87	6.86	7.82	8.76	9.83	10.86	12.00	13.36	14.63	16.93	18.86	
3900	4.21	5.08	5.94	6.94	7.92	8.87	9.95	11.00	12.14	13.50	14.78	17.05	-	
4000	4.25	5.13	6.00	7.02	8.01	8.98	10.07	11.12	12.27	13.64	14.91	17.15	-	

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	1.39 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	0.04	0.05	0.06	0.07	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	

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

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	0.73	0.82	0.92	1.01	1.10	1.20	1.29	1.40	1.51	1.62	1.74	2.01	2.33	10
200	1.33	1.51	1.69	1.87	2.05	2.22	2.40	2.61	2.82	3.02	3.26	3.78	4.37	
300	1.89	2.15	2.41	2.67	2.93	3.18	3.44	3.74	4.04	4.35	4.70	5.44	6.30	
400	2.42	2.76	3.09	3.43	3.77	4.10	4.43	4.83	5.22	5.61	6.07	7.04	8.15	
500	2.92	3.33	3.75	4.16	4.57	4.98	5.39	5.87	6.36	6.84	7.39	8.58	9.94	
600	3.40	3.89	4.38	4.87	5.35	5.83	6.31	6.89	7.45	8.02	8.67	10.06	11.66	
700	3.86	4.43	4.99	5.55	6.11	6.66	7.21	7.87	8.52	9.17	9.92	11.50	13.32	
720	3.95	4.53	5.11	5.69	6.26	6.82	7.39	8.06	8.73	9.39	10.16	11.79	13.65	
800	4.31	4.95	5.59	6.22	6.84	7.47	8.08	8.82	9.55	10.28	11.12	12.90	14.93	
900	4.75	5.46	6.16	6.86	7.56	8.25	8.93	9.75	10.56	11.36	12.29	14.25	16.47	
960	5.00	5.75	6.50	7.24	7.98	8.71	9.43	10.29	11.15	11.99	12.97	15.03	17.37	
1000	5.17	5.95	6.72	7.49	8.25	9.01	9.76	10.65	11.53	12.41	13.42	15.55	17.96	
1100	5.58	6.42	7.27	8.10	8.93	9.75	10.56	11.52	12.48	13.43	14.52	16.80	19.39	
1200	5.97	6.89	7.79	8.69	9.58	10.46	11.34	12.37	13.40	14.41	15.57	18.01	20.75	
1300	6.36	7.34	8.31	9.27	10.22	11.16	12.09	13.19	14.28	15.36	16.59	19.17	22.05	
1400	6.73	7.77	8.81	9.83	10.84	11.84	12.82	13.99	15.14	16.27	17.57	20.28	23.28	
1440	6.88	7.95	9.00	10.05	11.08	12.10	13.11	14.30	15.47	16.63	17.96	20.70	23.75	
1500	7.09	8.20	9.29	10.37	11.44	12.49	13.53	14.76	15.97	17.15	18.51	21.33	24.43	
1600	7.44	8.61	9.76	10.90	12.02	13.12	14.21	15.50	16.76	18.00	19.41	22.33	25.51	
1700	7.78	9.01	10.21	11.40	12.58	13.73	14.87	16.21	17.52	18.81	20.27	23.27	26.51	
1800	8.11	9.39	10.65	11.90	13.12	14.32	15.50	16.89	18.25	19.58	21.08	24.15	27.43	
1900	8.43	9.76	11.08	12.37	13.64	14.88	16.11	17.54	18.94	20.31	21.85	24.97	28.27	
2000	8.73	10.12	11.48	12.82	14.14	15.43	16.69	18.16	19.60	20.99	22.57	25.72	29.01	
2100	9.02	10.46	11.88	13.26	14.62	15.94	17.24	18.75	20.22	21.64	23.23	26.41	29.67	
2200	9.31	10.79	12.25	13.68	15.07	16.44	17.76	19.31	20.80	22.24	23.85	27.03	30.22	
2300	9.57	11.11	12.61	14.08	15.51	16.90	18.26	19.83	21.35	22.80	24.42	27.57	30.68	
2400	9.83	11.41	12.95	14.46	15.92	17.34	18.72	20.32	21.85	23.31	24.93	28.05	31.04	
2500	10.08	11.70	13.28	14.82	16.31	17.76	19.16	20.77	22.31	23.78	25.38	28.44	-	
2600	10.31	11.97	13.59	15.16	16.68	18.14	19.56	21.19	22.73	24.19	25.78	28.76	-	
2700	10.53	12.23	13.88	15.47	17.02	18.50	19.93	21.56	23.11	24.56	26.12	28.99	-	
2800	10.73	12.47	14.15	15.77	17.33	18.83	20.27	21.90	23.44	24.87	26.40	-	-	
2880	10.89	12.65	14.35	15.99	17.57	19.07	20.51	22.14	23.67	25.08	26.57	-	-	
2900	10.93	12.69	14.40	16.04	17.62	19.13	20.57	22.20	23.72	25.12	26.61	-	-	
3000	11.10	12.90	14.63	16.30	17.89	19.40	20.84	22.46	23.96	25.33	26.76	-	-	

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	1.39 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

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



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	1.99	2.20	2.45	2.72	2.99	3.34	3.60	3.96	4.31	4.65	5.09	5.52	5.95	6.38	6.80	7.31	7.82	10
200	3.59	4.00	4.48	4.99	5.49	6.17	6.67	7.33	8.00	8.66	9.48	10.30	11.11	11.92	12.72	13.68	14.64	
300	5.04	5.64	6.33	7.07	7.81	8.78	9.51	10.48	11.44	12.39	13.58	14.76	15.93	17.10	18.26	19.64	21.01	
400	6.40	7.17	8.07	9.04	9.99	11.26	12.20	13.45	14.70	15.93	17.47	18.99	20.50	22.00	23.48	25.25	27.00	
500	7.67	8.62	9.72	10.90	12.06	13.61	14.76	16.28	17.80	19.30	21.16	23.00	24.82	26.63	28.42	30.54	32.64	
600	8.87	9.99	11.28	12.66	14.04	15.85	17.20	18.98	20.75	22.50	24.67	26.80	28.92	31.00	33.06	35.50	37.89	20
700	10.00	11.29	12.77	14.35	15.92	17.98	19.52	21.55	23.56	25.54	27.99	30.40	32.77	35.11	37.40	40.11	42.75	
720	10.22	11.54	13.06	14.68	16.28	18.40	19.97	22.05	24.10	26.13	28.63	31.09	33.51	35.89	38.23	40.99	43.67	
800	11.08	12.52	14.19	15.95	17.71	20.02	21.73	23.99	26.22	28.42	31.12	33.77	36.37	38.93	41.42	44.34	47.18	
900	12.10	13.69	15.53	17.48	19.41	21.95	23.82	26.30	28.73	31.12	34.05	36.92	39.71	42.44	45.09	48.18	51.15	
960	12.68	14.36	16.30	18.35	20.38	23.05	25.02	27.61	30.16	32.66	35.71	38.69	41.58	44.39	47.12	50.27	53.29	30
1000	13.06	14.79	16.80	18.92	21.02	23.77	25.80	28.47	31.08	33.64	36.77	39.82	42.77	45.63	48.39	51.58	54.61	
1100	13.96	15.83	18.00	20.28	22.53	25.48	27.65	30.49	33.27	35.98	39.27	42.46	45.52	48.47	51.29	54.41	57.53	
1200	14.81	16.81	19.12	21.55	23.95	27.08	29.38	32.37	35.29	38.12	41.54	44.82	47.96	50.94	53.77	56.82	59.87	
1300	15.59	17.72	20.17	22.74	25.27	28.56	30.97	34.09	37.12	40.05	43.56	46.90	50.05	52.92	55.79	58.69	61.59	
1400	16.31	18.56	21.14	23.84	26.48	29.92	32.42	35.65	38.77	41.76	45.32	48.55	51.78	54.55	57.32	59.97	-	40
1440	16.59	18.88	21.50	24.25	26.94	30.43	32.96	36.23	39.37	42.38	45.91	49.11	52.32	54.92	57.73	60.25	-	
1500	16.98	19.33	22.02	24.84	27.59	31.15	33.73	37.04	40.22	43.24	46.80	49.96	53.13	55.73	58.34	-	-	
1600	17.58	20.03	22.83	25.75	28.59	32.24	34.88	38.25	41.45	44.47	47.99	51.03	54.08	56.45	-	-	-	
1700	18.11	20.65	23.55	26.56	29.47	33.20	35.88	39.27	42.47	45.45	48.87	51.73	-	-	-	-	-	
1800	18.57	21.20	24.18	27.26	30.23	34.01	36.71	39.98	43.25	46.16	49.43	-	-	-	-	-	-	
1900	18.97	21.67	24.71	27.85	30.87	34.67	37.36	40.58	43.80	46.59	49.65	-	-	-	-	-	-	
2000	19.29	22.05	25.15	28.34	31.37	35.18	37.84	40.96	44.09	46.72	-	-	-	-	-	-	-	

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	1.39 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
1100	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

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

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

FENNER BELT TENSION INDICATOR

Product Code 230A0000

Fenner® Quattro PLUS

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

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

Power ratings for all four sections of Fenner Quattro PLUS, are listed here starting below with QXPC section.

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

These basic power ratings are used with the additional powers for speed ratio listed on pages 52 - 59, and with the combined arc of contact / belt length factors from the ratio and centre distance tables, pages 40 - 51.

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



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	40
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	
300	5.60	6.23	6.85	7.47	8.19	8.95	9.72	10.74	11.49	12.50	13.50	14.50	15.75	16.98	18.22	19.44	20.66	22.12	23.56	
400	7.23	8.05	8.86	9.67	10.61	11.62	12.61	13.94	14.93	16.25	17.55	18.85	20.47	22.08	23.68	25.27	26.85	28.73	30.60	
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	
600	10.33	11.52	12.70	13.88	15.24	16.70	18.15	20.07	21.50	23.39	25.27	27.14	29.46	31.75	34.03	36.28	38.51	41.16	43.78	
700	11.81	13.18	14.54	15.89	17.46	19.13	20.80	23.00	24.64	26.80	28.96	31.09	33.73	36.34	38.92	41.47	43.98	46.96	49.90	
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	
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	
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												
3100	34.95	38.90	42.64	46.15	49.94	53.63	56.91													
3200	35.29	39.25	42.97	46.44	50.17	53.74														
3300	35.58	39.53	43.22	46.64	50.28															
3400	35.80	39.73	43.38	46.74																
3500	35.95	39.86	43.46																	
3600	36.04	39.91																		
3700	36.07																			
3800	36.02																			

NOTES: Only Fenner pulleys should be used for belt speeds between 30 and 40 m/s. Belt speeds over 40 m/sec require special pulleys Use the additional power per belt for speed ratio from page 55

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

Power Ratings - OXPB 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	
200	1.05	1.17	1.31	1.45	1.60	1.80	1.99	2.19	2.38	2.57	2.77	3.00	3.23	3.45	3.72	4.00	4.29	4.66	4.94	
300	1.50	1.68	1.88	2.08	2.31	2.60	2.89	3.17	3.45	3.74	4.02	4.36	4.69	5.03	5.42	5.83	6.25	6.80	7.21	
400	1.94	2.17	2.43	2.70	3.00	3.37	3.75	4.12	4.49	4.86	5.23	5.67	6.11	6.55	7.06	7.61	8.15	8.86	9.40	
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	
600	2.76	3.09	3.48	3.87	4.31	4.86	5.41	5.96	6.50	7.04	7.58	8.22	8.86	9.50	10.24	11.03	11.81	12.85	13.62	
700	3.15	3.54	3.99	4.44	4.95	5.58	6.21	6.84	7.47	8.09	8.71	9.45	10.19	10.92	11.77	12.68	13.58	14.77	15.66	
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	
800	3.54	3.98	4.49	4.99	5.57	6.29	7.00	7.71	8.42	9.12	9.83	10.66	11.49	12.32	13.28	14.30	15.31	16.65	17.65	
900	3.91	4.40	4.97	5.54	6.18	6.98	7.78	8.57	9.36	10.14	10.92	11.85	12.77	13.69	14.75	15.88	17.00	18.48	19.58	
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	
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	<u>40.88</u>	
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	<u>39.95</u>	<u>41.64</u>	
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	<u>38.95</u>	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	<u>36.73</u>	38.75	40.55	42.61	43.89	
3100	10.47	11.90	13.55	15.16	16.98	19.19	21.33	23.41	25.42	27.35	29.21	31.33	33.34	35.21	37.23	39.19	40.92	42.85	44.00	
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	<u>35.69</u>	37.67	39.56	41.20	42.98		
3300	10.90	12.40	14.12	15.81	17.69	19.98	22.19	24.32	26.37	28.33	30.20	32.32	34.29	<u>36.11</u>	38.04	39.85	41.39	43.00		
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			
3500	11.31	12.87	14.65	16.40	18.35	20.70	22.97	25.14	27.22	29.19	31.05	33.14	<u>35.05</u>	36.79	38.58	40.20	41.50			
3600	11.50	13.09	14.91	16.68	18.66	21.04	23.33	25.52	27.60	29.57	31.42	<u>33.48</u>	35.36	37.04	38.75	40.25				
3700	11.68	13.30	15.15	16.95	18.95	21.36	23.67	25.87	27.95	29.92	31.75	33.78	35.61	37.23	38.84					
3800	11.86	13.50	15.38	17.21	19.23	21.67	23.99	26.20	28.28	30.23	<u>32.05</u>	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	<u>30.76</u>	32.52	34.41	36.05							
4100	12.34	14.06	16.01	17.90	19.99	22.48	24.83	27.03	29.08	30.97	32.69	34.52	36.08							
4200	12.48	14.22	16.20	18.11	20.21	22.71	25.06	27.26	<u>29.29</u>	31.14	32.82	34.58								
4300	12.62	14.38	16.37	18.30	20.41	22.92	25.27	27.45	<u>29.46</u>	31.28	32.91									
4400	12.74	14.52	16.54	18.48	20.60	23.12	25.46	<u>27.62</u>	29.60	31.38	32.95									
4500	12.86	14.66	16.69	18.64	20.78	23.29	25.62	27.77	29.71	31.44										
4600	12.97	14.78	16.83	18.79	20.93	23.45	25.76	27.88	29.78	31.46										
4700	13.07	14.90	16.96	18.93	21.07	23.58	<u>25.88</u>	27.97	29.82											
4800	13.16	15.00	17.07	19.05	21.20	23.69	25.97	28.02	29.83											
4900	13.24	15.10	17.18	19.16	21.30	23.78	26.04	28.05												
5000	13.31	15.18	17.27	19.25	21.39	23.86	26.08													

NOTES: Only Fenner pulleys should be used for belt speeds between 30 and 40 m/s.
 Belt speeds over 40 m/sec require special pulleys
 Use the additional power per belt for speed ratio from page 54

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

FENNER BELT TENSION INDICATOR

The diagram shows a cylindrical tool with two scales. The left scale is labeled 'Deflection in mm' and has markings at 10, 20, 30, 40, 50, 60. The right scale is labeled 'Setting force in kgf' and has markings at 16, 14, 12, 10, 8, 6, 2. The Fenner logo is on the right side of the tool. Below the tool, the product code 'Product Code 230A0000' is listed.

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	
200	0.44	0.50	0.57	0.63	0.69	0.76	0.84	0.91	0.99	1.08	1.17	1.29	1.41	1.53	1.65	1.77	1.89	2.17	
300	0.63	0.72	0.81	0.90	0.99	1.10	1.21	1.31	1.44	1.56	1.70	1.88	2.05	2.23	2.40	2.58	2.75	3.16	
400	0.81	0.93	1.05	1.16	1.28	1.42	1.56	1.70	1.87	2.03	2.22	2.45	2.68	2.90	3.13	3.36	3.58	4.12	
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	
600	1.15	1.32	1.49	1.67	1.84	2.05	2.25	2.46	2.70	2.93	3.20	3.54	3.88	4.21	4.54	4.87	5.20	5.99	
700	1.31	1.51	1.71	1.91	2.11	2.35	2.58	2.82	3.10	3.37	3.68	4.07	4.46	4.84	5.23	5.61	5.99	6.89	
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	
800	1.46	1.69	1.92	2.15	2.37	2.64	2.91	3.18	3.49	3.80	4.16	4.59	5.03	5.47	5.90	6.33	6.76	7.78	
900	1.62	1.87	2.13	2.38	2.63	2.93	3.23	3.53	3.88	4.23	4.62	5.11	5.60	6.08	6.56	7.04	7.52	8.65	
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	
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	
3100	4.37	5.15	5.93	6.70	7.46	8.36	9.25	10.13	11.15	12.14	13.26	14.63	15.96	17.26	18.51	19.72	20.90	23.52	
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	
3300	4.57	5.40	6.21	7.02	7.82	8.77	9.71	10.63	11.69	12.73	13.89	15.31	16.69	18.02	19.31	20.55	21.73	24.36	
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	
3500	4.76	5.63	6.49	7.34	8.17	9.17	10.14	11.10	12.21	13.29	14.50	15.96	17.38	18.74	20.05	21.30	22.50	25.10	
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	
3700	4.95	5.86	6.75	7.64	8.51	9.55	10.56	11.56	12.70	13.82	15.07	16.57	18.02	19.41	20.73	21.99	23.18	25.72	
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	
3900	5.13	6.07	7.01	7.93	8.84	9.91	10.96	12.00	13.18	14.33	15.61	17.15	18.62	20.02	21.35	22.60	23.77	26.23	
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	
4100	5.30	6.28	7.25	8.21	9.15	10.26	11.35	12.41	13.63	14.80	16.11	17.68	19.17	20.58	21.90	23.14	24.28	26.61	
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	
4300	5.46	6.48	7.49	8.47	9.45	10.59	11.71	12.81	14.05	15.25	16.58	18.17	19.67	21.07	22.38	23.59	24.69	26.87	
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	
4500	5.62	6.67	7.71	8.73	9.73	10.91	12.06	13.18	14.45	15.67	17.02	18.62	20.12	21.51	22.80	23.96	25.01	26.99	
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	
4700	5.76	6.85	7.92	8.97	10.00	11.21	12.38	13.53	14.82	16.06	17.42	19.02	20.51	21.89	23.13	24.25	25.23		
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		
4900	5.90	7.02	8.12	9.20	10.25	11.49	12.69	13.85	15.16	16.42	17.78	19.38	20.86	22.20	23.39	24.45	25.34		
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		
5100	6.03	7.18	8.31	9.41	10.49	11.75	12.97	14.15	15.47	16.74	18.11	19.69	21.14	22.44	23.57	24.55			
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			
5300	6.15	7.33	8.48	9.61	10.71	11.99	13.23	14.43	15.76	17.03	18.39	19.96	21.36	22.61	23.67				
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				
5500	6.26	7.46	8.65	9.80	10.92	12.22	13.47	14.68	16.01	17.28	18.63	20.17	21.53	22.71	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					
5700	6.36	7.59	8.80	9.97	11.10	12.42	13.69	14.90	16.24	17.49	18.83	20.33	21.63	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						
5900	6.45	7.71	8.93	10.12	11.28	12.61	13.88	15.09	16.43	17.67	18.98	20.43	21.67						
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							

40

NOTES: Only Fenner pulleys should be used for belt speeds between 30 and 40 m/s.
 Belt speeds over 40 m/sec require special pulleys
 Use the additional power per belt for the speed ratio from page 53.

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	
200	0.19	0.22	0.24	0.27	0.30	0.33	0.37	0.40	0.44	0.48	0.51	0.55	0.60	0.64	0.69	0.74	0.79	0.86	
300	0.27	0.32	0.35	0.39	0.44	0.48	0.53	0.58	0.64	0.69	0.74	0.80	0.86	0.93	1.00	1.07	1.15	1.25	
400	0.35	0.41	0.45	0.51	0.56	0.62	0.69	0.76	0.82	0.89	0.96	1.04	1.12	1.20	1.30	1.39	1.50	1.63	
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	
600	0.50	0.58	0.64	0.72	0.80	0.88	0.99	1.09	1.19	1.29	1.39	1.50	1.62	1.74	1.88	2.01	2.17	2.36	
700	0.56	0.66	0.73	0.83	0.92	1.01	1.13	1.25	1.36	1.48	1.59	1.73	1.86	2.00	2.16	2.32	2.49	2.72	
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	
800	0.63	0.74	0.82	0.93	1.03	1.14	1.27	1.40	1.53	1.66	1.79	1.95	2.10	2.26	2.43	2.61	2.81	3.07	
900	0.70	0.82	0.91	1.03	1.14	1.26	1.41	1.56	1.70	1.85	1.99	2.17	2.34	2.51	2.71	2.91	3.13	3.41	
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	
3100	1.88	2.26	2.54	2.90	3.27	3.63	4.08	4.53	4.97	5.41	5.84	6.35	6.86	7.36	7.94	8.50	9.14	9.92	
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	
3300	1.98	2.37	2.66	3.05	3.44	3.82	4.30	4.76	5.23	5.69	6.14	6.68	7.22	7.74	8.34	8.94	9.60	10.41	
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	
3500	2.06	2.48	2.79	3.20	3.60	4.01	4.50	5.00	5.48	5.97	6.44	7.01	7.56	8.11	8.74	9.36	10.05	10.88	
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	
3700	2.15	2.59	2.91	3.34	3.77	4.19	4.71	5.22	5.73	6.24	6.73	7.32	7.90	8.47	9.12	9.76	10.47	11.33	
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	
3900	2.23	2.69	3.03	3.48	3.92	4.36	4.91	5.45	5.98	6.50	7.02	7.63	8.23	8.82	9.49	10.15	10.88	11.77	
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	
4100	2.32	2.79	3.15	3.62	4.08	4.54	5.10	5.66	6.22	6.76	7.30	7.93	8.55	9.16	9.85	10.52	11.27	12.17	
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	
4700	2.55	3.08	3.48	4.01	4.52	5.03	5.66	6.28	6.89	7.49	8.08	8.77	9.44	10.10	10.84	11.55	12.34	13.27	
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	
4900	2.62	3.18	3.59	4.13	4.66	5.19	5.84	6.48	7.11	7.72	8.32	9.03	9.72	10.38	11.14	11.86	12.65	13.59	
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	
5100	2.69	3.27	3.69	4.25	4.80	5.34	6.01	6.67	7.31	7.94	8.56	9.28	9.98	10.66	11.42	12.15	12.95	13.88	
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	
5300	2.76	3.35	3.79	4.37	4.93	5.49	6.18	6.85	7.51	8.16	8.79	9.52	10.23	10.92	11.69	12.43	13.22	14.14	
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	
5500	2.83	3.44	3.89	4.48	5.06	5.64	6.34	7.03	7.71	8.36	9.01	9.75	10.47	11.17	11.94	12.68	13.47	14.38	
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	
5700	2.89	3.52	3.98	4.59	5.19	5.78	6.50	7.20	7.89	8.56	9.21	9.97	10.70	11.40	12.18	12.92	13.70	14.60	
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	
5900	2.96	3.60	4.07	4.70	5.31	5.91	6.65	7.37	8.07	8.75	9.42	10.18	10.92	11.62	12.40	13.13	13.91	14.78	
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	

40

NOTES: Only Fenner pulleys should be used for belt speeds between 30 and 40 m/s.
Belt speeds over 40 m/sec require special pulleys
Use the additional power per belt for speed ratio from page 52

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