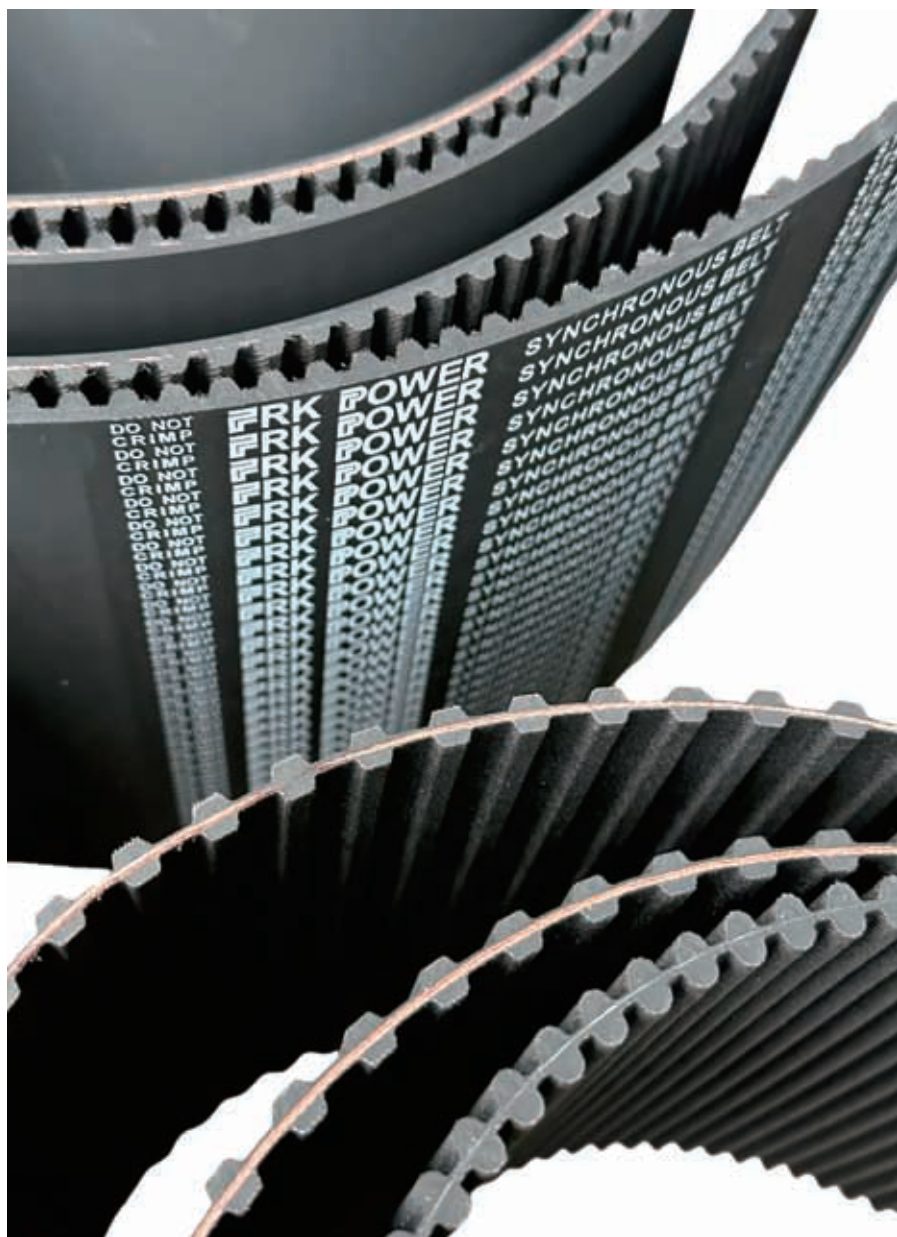


FRK POWER®

Transmission Belt

弗莱科传动带

Drive solutions with FRK POWER



Rubber Timing Belt
橡胶同步带

Poly ribbed Belt
多楔带

Automotive Belt
汽车带

Wrapped V Belt
三角带

Raw Edge V Belt
切边V带

PU Timing Belt
聚氨酯同步带

宁波弗莱科传动件有限公司

NINGBO FRANK POWER TRANSMISSION CO.,LTD.

COMPANY PROFILE



Power transmission products play an important role in overall belt performance and are the vital link between moving parts in equipment. By creating its own range of power transmission products, FRK POWER can offer products that are well-matched and give engineers a wide design choice according to performance and cost considerations.

Bringing power transmission products under a single brand offers significant user benefits apart from the confidence that comes from using a well-known brand. FRK POWER can provide a convenient single supply source for products and service with a large number of items in stock. This, in turn, offers the chance to simplify logistics to end users and reduce administrative work.



As belt and other power transmission components work together in products used in many industries, many belt problems and failures can be identified through the knowledge of power transmission. Examples of those industries are food and beverage, oil, gas, pulp and paper, textile, metalworking, packaging, mining, mineral processing and cement, agriculture and material handling. Combining a understanding of belting systems with power transmission gives FRK POWER the opportunity to enhance the support available to users.

All FRK POWER transmission products are identified by an FRK POWER specific designation prefix. Apart from that, the designation follows international standards for easy recognition and cross-referencing. The FRK POWER transmission range covers most common types of products, which can be divided into five main.



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RUBBER TIMING BELT P02
橡胶同步带

POLY RIBBED BELT P17
多楔带

AUTOMOTIVE BELT P18
汽车带

WRAPPED V BELT P23
三角带

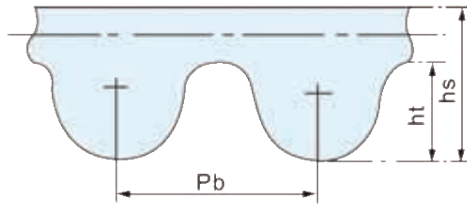
RAW EDGE V BELT P25
切边 V 带

POLYURETHANE BELT P26
聚氨酯皮带

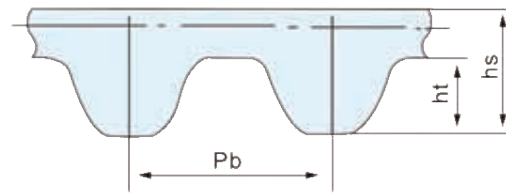
OTHER BELT P28
其他皮带

coated belt synchronorib belt
open ended belt variable speed belt

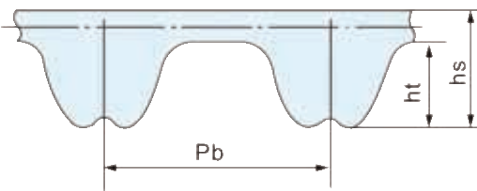
RUBBER TIMING BELT



HTD teeth



STD teeth



RPP teeth

960- S8M - 25

width mm

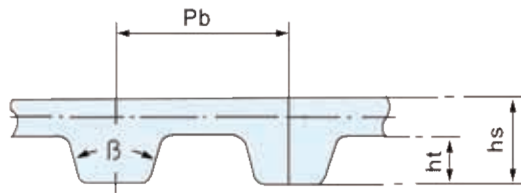
teeth profile

length mm

Curvilinear Tooth Synchronous Belt

Teeth Code	Teeth Profile	Pb	Ht	Hs
		Pitch	Tooth height	Belt thickness
HTD	2M	2	0.75	1.36
	3M	3	1.22	2.4
	5M	5	2.06	3.8
	8M	8	3.36	6
	14M	14	6.02	10
	20M	20	8.4	13.2
STD	S2M	2	0.76	1.36
	S3M	3	1.14	2.2
	S4.5M	4.5	1.71	2.81
	S5M	5	1.91	3.4
	S8M	8	3.05	5.3
	S14M	14	5.3	10.2
RPP	R3M	3	1.15	1.9
	R5M	5	1.95	3.5
	R8M	8	3.2	5.5
	R14M	14	6	10

RUBBER TIMING BELT



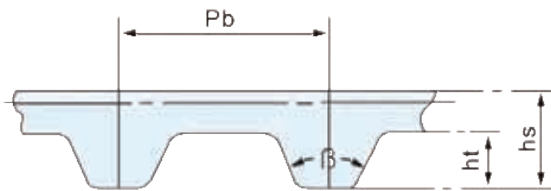
Metric Type

T10 x 1000 x 30

width mm

length mm

teeth profile



Imperial Type

120 XL 050

width 050/100 inch

teeth profile

length 120/10 inch

Trapezoidal Tooth Synchronous Belt

Teeth Profile	Pitch	Tooth height(ht)	Belt thickness(hs)	Angle β°
MXL	2.032/0.08	0.51	1.14	40
XXL	3.175/0.125	0.76	1.52	50
XL	5.080/0.2	1.27	2.3	50
L	9.525/0.375	1.91	3.6	40
H	12.7/0.5	2.29	4.3	40
XH	22.225/0.875	6.35	11.2	40
XXH	31.750/1.25	9.53	15.7	40
T2.5	2.5	0.7	1.3	40
T5	5	1.2	2.2	40
T10	10	2.5	4.5	40
T20	20	5	8	40
AT5	5	1.2	2.7	50
AT10	10	2.5	5	50
AT20	20	5	8	50

BELT TOLERANCE

Standard Tolerance Of Belt Thickness

Teeth Profile	Standard Thickness (mm)	Standard Tolerance (mm)
S2M	1.36	±0.20
S3M	2.10	±0.20
S4.5M	2.80	±0.25
S5M	3.40	±0.25
S8M	5.30	±0.30
S14M	10.20	±0.45
2M	1.38	±0.20
3M	2.40	±0.20
5M	3.80	±0.25
8M	6.00	±0.30
14M	10.00	±0.45
MXL	1.14	±0.20
XL	2.30	±0.25
XXL	1.52	±0.20
L	3.60	±0.25
H	4.30	±0.30
XH	11.20	±0.45
XXH	15.70	±0.50
T2.5	1.30	±0.20
T5	2.20	±0.20
T10	4.50	±0.30
T20	8.00	±0.45
RPP3M	2.40	±0.20
RPP5M	3.60	±0.30
RPP8M	5.60	±0.30
RPP14M	10.00	±0.45
ZA	4.10	±0.25
ZB	4.50	±0.25
ZBS	5.10	±0.30
MR(RU)	5.40	±0.30
MY(YU)	5.20	±0.30
S8M	5.30	±0.30

Standard Tolerance Of Belt Pitch Length

Pitch Length (mm)	Standard Tolerance (mm)	Pitch Length (mm)	Standard Tolerance (mm)
< 254mm	±0.41	2795-3048	±1.12
255-381	±0.46	3049-3302	±1.16
382-508	±0.51	3303-3556	±1.22
509-762	±0.61	3557-3810	±1.28
763-1016	±0.66	3811-4064	±1.32
1017-1270	±0.76	4065-4318	±1.38
1271-1524	±0.81	4319-4572	±1.42
1525-1778	±0.86	4573-4826	±1.46
1779-2032	±0.91	4827-5080	±1.52
2033-2286	±0.97	5081-5334	±1.58
2287-2540	±1.02	5335-5600	±1.64
2541-2794	±1.06		

Standard Tolerance Of Belt Width

Width (mm)	Standard Tolerance(mm)		
	< 800	800-1650	> 1650
< 5	±0.4	±0.4	—
5-11	±0.4	±0.6	—
12-35	±0.6	±0.8	±0.8
36-50	±0.8	±1.2	±1.2
51-65	±1.2	±1.2	±1.6
66-75	±1.2	±1.6	±1.6
76-100	±1.6	±1.6	±2.0
101-180	±2.4	±2.4	±2.4
> 181	—	±4.8	±4.8

RUBBER TIMING BELT



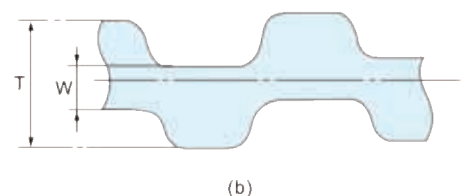
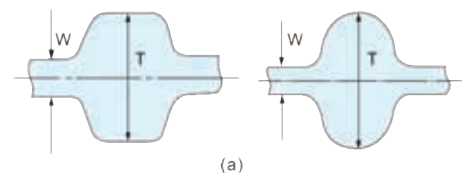
The double-sided pitch synchronous belt and tooth profile equivalent to a single tooth and tooth belt pitch. Double teeth with tooth by the synchronous belt arrangement standards can be divided into two types;

DA-duplex synchronous belt tooth, a tooth with its two symmetrical arrangement, see image (a)

DB-duplex synchronous belt gear, with its two locations with staggered teeth, see image (b)

Standard Tolerance Of Belt Pitch Length

Size	Pitch length mm	Height mm
DS5M400-DS5M5600	400-5600	4.80
DS8M400-DS8M5600	400-5600	7.48
DS14M600-DS14M5600	600-5600	13.40
D5M400-D5M5600	400-5600	4.80
D8M400-D8M5600	400-5600	7.48
D14M600-D14M5600	600-5600	13.40
D178XL-D2204XL	452.12-5598.16	3.05
D180L-D2201L	457.20-5591.18	4.58
D200H-D2200H	508-5588	5.95
D200XH-D2188XH	508-5556.25	15.49
DT5-450-DT5-5600	450-5600	3.40
DT10-450-DT10-5600	450-5600	7.00



MOLD LIST

2M				
104	144	158	164	208
262	280	330	400	500
560				

3M				
117	207	285	363	441
126	210	288	366	444
132	213	291	369	447
138	216	294	372	450
141	219	297	375	453
144	222	300	378	456
147	225	303	381	459
150	228	306	384	462
153	231	309	387	465
156	234	312	390	468
159	237	315	393	471
162	240	318	396	474
165	243	321	399	477
168	246	324	402	480
171	249	327	405	483
174	252	330	408	486
177	255	333	411	489
180	258	336	414	492
183	261	339	417	495
186	264	342	420	498
189	267	345	423	501
192	270	348	426	504
195	273	351	429	507
198	276	354	432	510
201	279	357	435	513
204	282	360	438	516

3M				
519	573	633	711	900
522	576	636	720	942
525	579	639	732	945
528	582	645	738	1008
531	585	648	750	1056
534	588	654	753	1125
537	591	657	759	1251
540	594	666	762	1260
543	597	669	765	1299
546	600	672	780	1335
549	606	675	801	1344
552	609	684	804	1374
558	612	687	810	1500
561	615	690	813	1800
564	618	696	840	2640
567	624	702	864	3660
570	630	708	870	

5M				
150	250	310	370	430
180	255	315	375	435
200	260	320	380	440
205	265	325	385	445
210	270	330	390	450
215	275	335	395	455
220	280	340	400	460
225	285	345	405	465
230	290	350	410	470
235	295	355	415	475
240	300	360	420	480
245	305	365	425	485

5M				
490	660	830	1000	1200
495	665	835	1005	1210
500	670	840	1010	1215
505	675	845	1015	1220
510	680	850	1020	1225
515	685	855	1025	1230
520	690	860	1030	1235
525	695	865	1035	1240
530	700	870	1040	1250
535	705	875	1050	1260
540	710	880	1055	1270
545	715	885	1060	1280
550	720	890	1070	1290
555	725	895	1075	1295
560	730	900	1080	1300
565	735	905	1085	1320
570	740	910	1090	1335
575	745	915	1100	1340
580	750	920	1105	1350
585	755	925	1110	1360
590	760	930	1115	1370
595	765	935	1120	1375
600	770	940	1125	1380
605	775	945	1130	1390
610	780	950	1135	1400
615	785	955	1140	1420
620	790	960	1145	1425
625	795	965	1150	1435
630	800	970	1160	1440
635	805	975	1165	1445
640	810	980	1175	1450
645	815	985	1180	1455
650	820	990	1190	1460
655	825	995	1195	1465

5M				
1470	1585	1730	1940	2350
1475	1590	1740	1945	2400
1480	1595	1750	1960	2460
1490	1600	1765	2000	2500
1495	1610	1790	2020	2525
1500	1620	1800	2035	2750
1520	1630	1830	2050	2910
1525	1635	1845	2080	3000
1530	1650	1850	2100	3060
1540	1665	1870	2200	3120
1550	1685	1875	2220	3200
1560	1690	1895	2240	3300
1575	1700	1900	2250	3770
1580	1720	1915	2300	3800

HTD 2M				
104	144	158	164	208
262	280	330	400	500
560				

HTD 3M				
117	168	207	246	285
126	171	210	249	288
132	174	213	252	291
138	177	216	255	294
141	180	219	258	297
144	183	222	261	300
147	186	225	264	303
150	189	228	267	306
153	192	231	270	309
156	195	234	273	312
159	198	237	276	315
162	201	240	279	318
165	204	243	282	321

HTD 3M				
324	414	504	597	750
327	417	507	600	753
330	420	510	606	759
333	423	513	609	762
336	426	516	612	765
339	429	519	615	780
342	432	522	618	801
345	435	525	624	804
348	438	528	630	810
351	441	531	633	813
354	444	534	636	840
357	447	537	639	864
360	450	540	645	870
363	453	543	648	900
366	456	546	654	942
369	459	549	657	945
372	462	552	666	1008
375	465	558	669	1056
378	468	561	672	1125
381	471	564	675	1251
384	474	567	684	1260
387	477	570	687	1299
390	480	573	690	1335
393	483	576	696	1344
396	486	579	702	1374
399	489	582	708	1500
402	492	585	711	1800
405	495	588	720	2640
408	498	591	732	3660
411	501	594	738	

HTD 5M				
150	200	210	220	230
180	205	215	225	235

HTD 5M				
240	410	580	750	920
245	415	585	755	925
250	420	590	760	930
255	425	595	765	935
260	430	600	770	940
265	435	605	775	945
270	440	610	780	950
275	445	615	785	955
280	450	620	790	960
285	455	625	795	965
290	460	630	800	970
295	465	635	805	975
300	470	640	810	980
305	475	645	815	985
310	480	650	820	990
315	485	655	825	995
320	490	660	830	1000
325	495	665	835	1005
330	500	670	840	1010
335	505	675	845	1015
340	510	680	850	1020
345	515	685	855	1025
350	520	690	860	1030
355	525	695	865	1035
360	530	700	870	1040
365	535	705	875	1050
370	540	710	880	1055
375	545	715	885	1060
380	550	720	890	1070
385	555	725	895	1075
390	560	730	900	1080
395	565	735	905	1085
400	570	740	910	1090
405	575	745	915	1100

HTD 5M				
1105	1260	1470	1690	2100
1110	1270	1475	1700	2200
1115	1280	1480	1720	2220
1120	1290	1490	1730	2240
1125	1295	1495	1740	2250
1130	1300	1500	1750	2300
1135	1320	1520	1765	2350
1140	1335	1525	1790	2400
1145	1340	1530	1800	2460
1150	1350	1540	1830	2500
1160	1360	1550	1845	2525
1165	1370	1560	1850	2750
1175	1375	1575	1870	2910
1180	1380	1580	1875	3000
1190	1390	1585	1895	3060
1195	1400	1590	1900	3120
1200	1420	1595	1915	3200
1210	1425	1600	1940	3300
1215	1435	1610	1945	3770
1220	1440	1620	1960	3800
1225	1445	1630	2000	4260
1230	1450	1635	2020	
1235	1455	1650	2035	
1240	1460	1665	2050	
1250	1465	1685	2080	

HTD 8M				
256	352	408	464	520
288	360	416	472	528
304	368	424	480	536
320	376	432	488	544
328	384	440	496	552
336	392	448	504	560
344	400	456	512	568

HTD 8M				
576	848	1120	1392	1664
584	856	1128	1400	1672
592	864	1136	1408	1680
600	872	1144	1416	1688
608	880	1152	1424	1696
616	888	1160	1432	1704
624	896	1168	1440	1712
632	904	1176	1448	1720
640	912	1184	1456	1728
648	920	1192	1464	1736
656	928	1200	1472	1744
664	936	1208	1480	1752
672	944	1216	1488	1760
680	952	1224	1496	1768
688	960	1232	1504	1776
696	968	1240	1512	1784
704	976	1248	1520	1792
712	984	1256	1528	1800
720	992	1264	1536	1808
728	1000	1272	1544	1816
736	1008	1280	1552	1824
744	1016	1288	1560	1832
752	1024	1296	1568	1840
760	1032	1304	1576	1848
768	1040	1312	1584	1856
776	1048	1320	1592	1864
784	1056	1328	1600	1872
792	1064	1336	1608	1880
800	1072	1344	1616	1888
808	1080	1352	1624	1896
816	1088	1360	1632	1904
824	1096	1368	1640	1912
832	1104	1376	1648	1920
840	1112	1384	1656	1928

HTD 8M				
1936	2120	2320	2560	2920
1944	2128	2328	2584	2960
1952	2136	2336	2600	3000
1960	2144	2344	2616	3008
1968	2152	2352	2640	3048
1976	2160	2360	2648	3080
1984	2176	2368	2656	3120
1992	2184	2376	2664	3200
2000	2200	2384	2680	3280
2008	2208	2392	2688	3320
2016	2216	2400	2720	3360
2024	2224	2408	2736	3400
2032	2240	2440	2760	3600
2040	2248	2448	2776	3800
2048	2256	2456	2800	4000
2056	2264	2480	2816	4104
2064	2272	2488	2824	4400
2072	2280	2496	2840	4416
2080	2288	2504	2848	4960
2096	2296	2520	2856	5768
2104	2304	2544	2880	
2112	2312	2552	2912	

HTD 14M				
616	938	1092	1260	1400
728	952	1106	1274	1414
770	966	1120	1288	1428
784	980	1148	1302	1442
798	994	1162	1316	1456
826	1008	1176	1330	1470
840	1036	1190	1344	1484
868	1050	1218	1358	1498
910	1064	1232	1372	1512
924	1078	1246	1386	1526

HTD 14M				
1540	1806	2100	2548	3206
1554	1820	2128	2590	3304
1568	1834	2142	2604	3360
1582	1848	2156	2660	3500
1596	1862	2170	2688	3780
1610	1876	2198	2702	3850
1624	1890	2212	2744	4004
1638	1904	2240	2758	4326
1652	1918	2282	2786	4578
1666	1932	2296	2800	4956
1680	1946	2310	2842	5040
1694	1960	2366	2856	5320
1708	1974	2380	2940	5600
1722	1988	2422	2968	5740
1736	2002	2450	2996	5908
1750	2016	2478	3010	5120
1764	2044	2492	3108	5600
1778	2072	2506	3136	
1792	2086	2520	3150	

HTD 20M				
1160	2500	3220	4800	5600
1740	2800	3400	5000	6000
2000	3000	3800	5200	6560
2120	3040	4200	5400	
2140	3200	4600	5500	

8YU				
520	792	856	920	976
560	800	864	928	984
640	808	872	936	992
720	832	880	952	1000
744	840	888	960	1008
776	848	904	968	1016

8YU				
1024	1136	1336	1536	1808
1032	1152	1344	1560	1824
1040	1160	1352	1576	1912
1048	1168	1368	1600	1928
1056	1176	1384	1608	1952
1064	1184	1400	1616	2008
1080	1200	1416	1656	2056
1096	1232	1424	1688	2072
1104	1256	1432	1744	2248
1120	1264	1496	1752	
1128	1304	1528	1784	

STD2M				
144	304	406	580	960
164	308	426	848	2996
200	320	460	860	
212	322	486	892	
262	400	500	940	

STD3M				
114	207	252	303	345
141	210	255	306	351
144	213	258	309	354
150	216	261	312	357
159	219	264	315	360
165	222	267	318	363
171	225	270	321	366
174	228	276	324	369
183	231	282	327	375
189	234	285	330	378
192	237	288	333	381
195	240	291	336	384
201	243	294	339	387
204	246	300	342	390

STD3M				
393	453	510	564	666
396	456	513	567	669
399	465	519	570	675
405	474	522	579	699
414	477	525	585	711
420	480	528	597	720
426	486	531	600	738
432	495	537	612	741
435	498	540	621	750
444	501	543	630	753
447	504	552	633	804
450	507	558	660	810

STD4.5M				
162	297	351	450	801
180	306	360	500	864
225	315	369	504	904.5
234	319.5	396	518	931.5
238.5	333	432	567	
252	342	436.5	630	
279	346.5	441	652.5	

STD5M				
120	260	315	370	425
180	265	320	375	430
200	270	325	380	435
210	275	330	385	440
220	280	335	390	445
225	285	340	395	450
230	290	345	400	455
235	295	350	405	460
240	300	355	410	465
250	305	360	415	470
255	310	365	420	475

STD5M				
480	655	845	1080	1400
485	660	850	1085	1420
490	665	855	1090	1490
495	670	860	1095	1500
500	675	865	1100	1530
505	680	870	1110	1550
510	685	875	1115	1560
515	690	880	1120	1595
520	695	890	1125	1605
525	700	895	1135	1620
530	710	900	1140	1635
535	715	910	1145	1650
540	720	915	1150	1685
545	725	920	1160	1690
550	730	925	1165	1695
555	735	930	1175	1700
560	740	935	1180	1715
565	750	940	1195	1790
570	755	945	1200	1800
575	760	950	1210	1840
580	765	960	1215	1860
585	770	965	1225	1870
590	775	970	1240	1925
595	780	975	1250	1945
600	785	980	1255	2000
605	790	985	1260	2100
610	795	990	1270	2250
615	800	1000	1295	2385
620	810	1020	1310	2525
625	815	1025	1330	2715
630	820	1035	1335	2720
635	825	1050	1340	
640	830	1060	1350	
645	835	1065	1380	
650	840	1070	1390	

STD8M				
312	624	904	1184	1464
320	632	912	1192	1480
352	640	920	1200	1488
368	648	928	1208	1496
376	656	936	1216	1504
384	664	944	1224	1512
392	672	952	1232	1520
400	680	960	1240	1528
408	688	968	1248	1536
416	696	976	1256	1544
424	704	984	1264	1552
432	712	992	1272	1560
440	720	1000	1280	1568
448	728	1008	1288	1576
456	736	1016	1296	1584
464	744	1024	1304	1592
472	752	1032	1312	1600
480	760	1040	1320	1608
488	768	1048	1328	1624
496	776	1056	1336	1632
504	784	1064	1344	1640
512	792	1072	1352	1648
520	800	1080	1360	1664
528	808	1088	1368	1672
536	816	1096	1376	1680
544	824	1104	1384	1688
552	832	1112	1392	1696
560	840	1120	1400	1704
568	848	1128	1408	1728
576	856	1136	1416	1736
584	864	1144	1424	1752
592	872	1152	1432	1760
600	880	1160	1440	1776
608	888	1168	1448	1792
616	896	1176	1456	1800

STD8M				
1816	1952	2200	2504	3048
1824	1960	2240	2520	3200
1832	2000	2272	2536	3248
1840	2016	2288	2552	3280
1856	2032	2304	2600	3392
1864	2040	2344	2640	3600
1872	2048	2352	2680	4416
1880	2056	2360	2736	4400
1888	2064	2376	2784	4496
1896	2080	2384	2800	4720
1904	2104	2400	2840	5080
1912	2120	2432	2848	5280
1936	2136	2440	2872	5496
1944	2160	2496	2944	

MXL				
B52MXL	B105MXL	B140MXL	B240MXL	B599MXL
B56MXL	B106MXL	B144MXL	B250MXL	B612MXL
B61MXL	B109MXL	B148MXL	B256MXL	B622MXL
B70MXL	B110MXL	B150MXL	B300MXL	B634MXL
B73MXL	B111MXL	B160MXL	B318MXL	B760MXL
B75MXL	B112MXL	B163MXL	B330MXL	B930MXL
B76MXL	B115MXL	B165MXL	B363MXL	B972MXL
B80MXL	B118MXL	B180MXL	B378MXL	B1013MXL
B82MXL	B120MXL	B200MXL	B397MXL	B1138MXL
B85MXL	B123MXL	B210MXL	B413MXL	B1250MXL
B88MXL	B125MXL	B215MXL	B420MXL	B1460MXL
B91MXL	B128MXL	B216MXL	B438MXL	B1463MXL
B95MXL	B131MXL	B219MXL	B464MXL	
B98MXL	B132MXL	B221MXL	B557MXL	
B100MXL	B133MXL	B225MXL	B591MXL	

XL				
46	58	62	66	70
50	60	64	68	72

XL				
74	144	214	284	354
76	146	216	286	356
78	148	218	288	358
80	150	220	290	360
82	152	222	292	362
84	154	224	294	364
86	156	226	296	366
88	158	228	298	368
90	160	230	300	370
92	162	232	302	372
94	164	234	304	374
96	166	236	306	376
98	168	238	308	378
100	170	240	310	380
102	172	242	312	382
104	174	244	314	384
106	176	246	316	386
108	178	248	318	388
110	180	250	320	390
112	182	252	322	392
114	184	254	324	394
116	186	256	326	396
118	188	258	328	398
120	190	260	330	400
122	192	262	332	402
124	194	264	334	404
126	196	266	336	406
128	198	268	338	408
130	200	270	340	412
132	202	272	342	414
134	204	274	344	416
136	206	276	346	418
138	208	278	348	420
140	210	280	350	424
142	212	282	352	426

XL				
428	470	518	566	612
430	480	522	570	616
432	490	524	572	630
434	492	530	574	648
438	496	532	578	670
440	498	540	580	708
444	500	552	582	720
450	506	554	590	770
460	510	560	592	900
468	512	564	600	964

XXL				
B74XXL	B107XXL	B130XXL	B156XXL	B164XXL
B166XXL				

L				
98	173	240	310	378
100	176	244	315	380
109	180	248	320	382
113	185	251	322	387
120	187	255	328	390
124	191	260	330	394
127	195	263	334	397
130	200	265	337	400
135	203	270	341	405
140	206	275	345	408
143	210	277	350	412
146	214	281	352	420
150	217	285	356	424
154	220	289	360	427
158	225	292	363	430
160	230	297	367	435
165	233	300	371	439
169	236	304	375	442

L				
446	521	581	710	860
450	525	585	713	863
453	530	600	720	870
457	533	615	725	900
461	535	619	728	915
465	540	630	731	920
470	544	634	739	934
472	548	640	750	938
480	550	653	765	975
490	555	660	780	980
496	560	675	788	994
500	566	687	791	1028
510	570	694	817	1148
514	574	697	825	1275
517	578	700	840	

H				
145	245	330	415	500
160	250	335	420	505
165	255	340	425	510
170	260	345	430	515
180	265	350	435	520
185	270	355	440	525
190	275	360	445	530
195	280	365	450	535
200	285	370	455	540
205	290	375	460	545
210	295	380	465	550
215	300	385	470	555
220	305	390	475	560
225	310	395	480	565
230	315	400	485	570
235	320	405	490	575
240	325	410	495	580

H				
585	750	950	1175	1460
590	755	960	1180	1470
595	760	970	1185	1490
600	770	980	1190	1500
605	775	985	1200	1520
610	780	990	1220	1535
615	785	1000	1230	1550
620	790	1010	1240	1560
625	800	1020	1250	1600
630	810	1025	1255	1610
635	815	1030	1260	1630
640	820	1040	1270	1650
645	830	1050	1275	1660
650	835	1060	1280	1680
655	840	1070	1285	1700
660	850	1080	1300	1750
665	860	1085	1310	1765
670	870	1090	1325	1790
675	880	1100	1350	1800
680	890	1105	1355	1820
685	895	1110	1360	1850
690	900	1120	1370	1855
695	905	1125	1380	1885
700	910	1130	1400	1900
710	920	1135	1420	2000
720	925	1140	1425	2010
725	930	1150	1430	2090
730	940	1160	1440	2100
740	945	1170	1450	2200

XH				
446	560	665	752	800
465	570	700	761	805
507	630	735	770	820

XH				
823	866	980	1120	1400
840	900	1000	1260	1540
850	910			

XXH				
625	900	1200	1563	1925
650	950	1250	1600	2000
700	1000	1400	1700	
800	1050	1540	1800	

T2.5				
160	500	600	620	780

T5				
260	420	570	755	1040
270	435	575	765	1200
275	445	590	770	1210
280	460	595	775	1230
295	465	600	780	1300
300	470	610	785	1340
305	475	625	795	1350
310	480	630	815	1380
315	495	635	820	1440
325	500	645	825	1500
330	505	655	830	1520
335	510	660	840	1630
340	515	665	850	1700
345	520	670	870	1740
350	525	680	875	1905
355	530	685	890	1945
365	540	690	900	1960
370	545	700	910	2760
385	550	715	940	
390	555	720	945	
400	560	735	950	
405	565	750	990	

T10				
310	640	950	1350	2040
370	650	960	1360	2100
400	660	980	1390	2170
410	680	1000	1400	2250
440	690	1010	1410	2350
470	700	1040	1420	2500
480	720	1050	1440	2560
500	750	1080	1450	2600
510	760	1100	1560	2650
520	770	1110	1610	2680
530	780	1140	1700	2850
540	800	1150	1750	3000
550	810	1170	1780	3100
580	840	1200	1860	3750
560	850	1280	1880	
600	900	1310	1890	
610	910	1320	1960	
630	920	1340	2020	

AT5				
300	340	1520		

AT10				
730	1200	1360	1480	1630
840	1240	1400	1610	2580
1130	1320	1420		

2GGT				
144	208	752	1840	2992

3GGT				
201	303	420	633	810
210	324	513	708	882
225	339	570	765	1335
273	384	600	789	1374

5GGT				
275	500	580	740	860
320	530	600	750	980
350	550	615	800	1115
375	560	670	810	
420	565	680	845	
450	575	700	850	

8GGT				
560	840	1280		

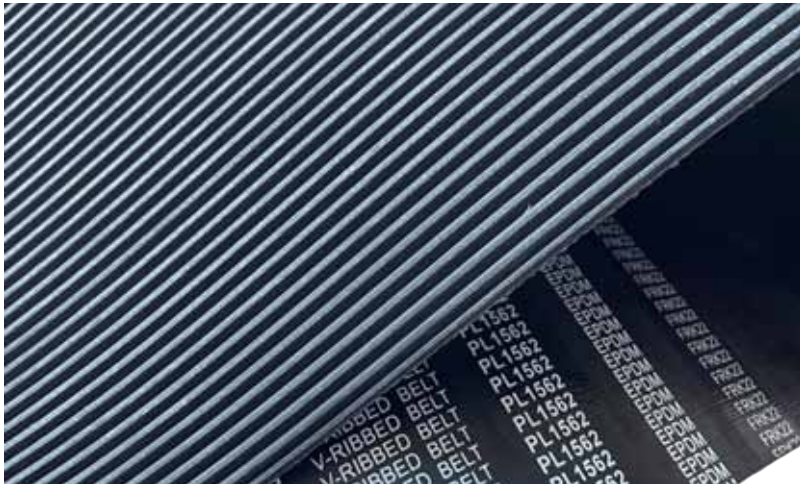
RPP3M				
360	420	459	474	510

RPP5M				
300	390	465	550	700
320	395	475	565	740
325	400	500	575	795
340	425	520	600	800
370	430	525	640	980
375	450	535	670	1000

RPP8M				
392	680	896	1152	1464
480	720	960	1160	1760
512	760	984	1200	2000
560	800	1000	1248	
600	840	1040	1280	
632	856	1080	1400	
640	880	1120	1440	

RPP14M				
966	1330	1792	2800	3318
994	1344	1946	2968	3388
1064	1400	1960	3080	3402
1092	1456	2100	3136	3416
1176	1610	2240	3150	3430
1190	1764	2310	3304	4956
1288	1778	2450	3360	

POLY RIBBED BELT



FRK POWER poly ribbed belts are an ideal solution for compact drives in household appliances and heavy machinery. Poly ribbed belts combine the high flexibility of flat belts with a high power transmission capacity of V-belts.

Poly ribbed belts enable economic solutions even under difficult drive conditions, such as large transmission ratios, high Belt speeds, small pulley diameters and back idler pulleys.

Poly ribbed belts consist of multiple V-grooves. The design allows operation on small pulley diameters. Poly ribbed belts offer high Belt speed. poly ribbed belts are designed for high power transmission ratios and offer high power output.

FRK POWER poly ribbed belts are available in PH, PJ, PK, PL and PM profiles, these belts are available in the standard version, high temperature, elasticated, topcoat; for packaging machinery, FRAS; which are fire-resistant, anti-static belts and double-sided poly ribbed belts.

PROFILE	HEIGHT mm	RIB WIDTH mm	ANGLE °	MAX RIB
PH	3.0	1.60	40	290
PJ	3.9	2.34	40	200
PK	4.8	3.56	40	130
PL	8.0	4.70	40	100
PM	12.7	9.40	40	50

Length is range from 200-4500mm.

DPK DPL are available

AUTOMOTIVE TIMING BELT



Automotive timing belts produced by FRK POWER use internationally recognized raw material formulation and are manufactured according to strict technical criteria such as plump tooth profile, long service life, low noise and complete specification.

FRK POWER timing belts are predominantly CR , CSM and HNBR timing belts.



CR timing belts have the following advantages:

- Good thermo-tolerance: can be used in the working environment at 120 degree for a long time.
- Good aging-resistance: excellent ozone resistance performance.
- Good chemical stability: can resist corrosion of common chemicals except acid with strong oxidizing property.
- Both flame and water resistance are good.

CR timing belts, which provide comprehensive performance and excellent performance-price ratios, are widely applied to automotive transmission belts, especially those of small-displacement cars.

HNBR timing belts offer even better performance:

- Extremely good oil-resistance: HNBR has extremely low expansibility and higher oil resistance.
- Good durability: the dynamic characteristics of the HNBR timing belt are better than those of the CR timing belt, so the former naturally is the preferred transmission belt of middle and top-grade automobiles.
- Excellent abrasion performance: the abrasion value of the HNBR timing belt is less than that of the CR timing belt which acts to extend the belts life and reduce noise pollution.

CSM timing belts offer good performance between CR and HNBR.

Teeth Profile	Pitch	Tooth height	Belt thickness
R(MR)	9.525	3.50	5.5
RU	9.525	3.44	5.4
Y(MY)	8.000	3.04	5.2
YU	8.000	3.02	5.02
ZB	9.525	2.29	4.5
ZBS	9.525	2.80	5.1
ZA	9.525	1.91	4.1
S8M	8.000	2.95	5.2
RHDS	9.525	3.50	5.7
RHX	9.525	2.62	4.8
RPP	9.525	2.25	4.5
RPP8M	8.000	2.65	4.5

TEETH PROFILE	TEETH NUMBER
R/MR	68 70 78 89 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 110 111 112 113 114 116 117 118 123 124 125 127 129 130 133 134 134 136 138 141 148 149 150 151 153 154 157 158 163 177
RU	58 59 70 72 76 79 82 83 85 88 89 91 92 93 94 95 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 116 117 118 119 120 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 142 143 145 146 148 149 150 151 152 153 154 157 158 159 160 163 173 176 177 197
Y/MY	99 100 101 103 106 107 108 111 112 113 116 117 121 123 124 127 128 129 131 135 137 143 144 145 146 147 159 168 168 169 177 178 191 211
YU	65 69 76 83 95 99 100 101 103 104 105 106 107 108 109 110 111 112 113 116 117 121 123 125 128 130 131 132 133 135 140 141 142 143 145 146 147 153 154 155 156 159 163 164 165 167 168 173 177 179 187 191 193 195 197 200 201 207 210 211 217 219 223 226 228 232 234 251 257 259 265 281
ZB	87 119 123 130 134 135 136 137 143 149
ZBS	55 63 65 69 76 83 87 91 92 101 112 117 119 120 122 123 130 134 136 137 141 142 143 149 163
ZA	54 55 60 63 68 69 76 79 80 83 84 85 87 88 89 90 91 92 93 94 95 97 98 99 102 103 104 106 108 109 110 111 112 115 116 117 120 121 122 123 124 126 127 133 139 142 144 146
S8M/STD8M	58 65 91 95 106 109 110 112 117 123 130 132 133 135 137 138 140 141 142 144 145 146 148 149 150 151 152 153 160 162 163 164 167 168 169 171 173 175 179 191 192 193 209 211 220 222 225 239 253 281
RPP/RHDS/ RHX/RPP8M	81 85 87 91 104 112 114 116 117 118 119 124 129 135 136 137 138 139 140 141 144 152 168

AUTOMOTIVE PK BELT



FRK POWER automotive ribbed belts are mainly PK series. PK belts are predominantly CR and EPDM. FRK POWER ribbed belts are produced using special material, formulation and techniques so as to provide heat, oil, abrasion and aging resistance and such advantages as lower noise levels and longer life. The standard pitch and common angle and belt thickness of the ribbed belt are as below:

TYPE	PK
PITCH	3.56
ANGLE	38-40
BELT THICKNESS	4-6

CR ribbed belt has both heat and cold resistance capabilities. Its flexing, aging and ozone aging resistance are generally better than those of unsaturated rubber. It also offers better oil and solvent resistance and chemical stability. It can endure high levels of transverse and belt pitch pressure and has comparatively reduced after-strained deformation.

EPDM ribbed belt offer much better aging resistance, especially ozone, weather and heat resistance. In addition, this products electric insulation properties, chemical corrosion resistant.

The Elastic PK belt by FRK POWER

Elastic PK by FRK POWER do without tensioning devices or automatic tensioners whilst maintaining the same level of operational performance. Elastic PK are implemented at medium power ranges and centre distances. Tension is maintained throughout the entire product lifespan thanks to elastic tension members. Elastic PK by FRK POWER is light weight and save on space, thereby sinking the costs of the drive.

The advantages of Elastic PK

1. lower costs in both the original equipment and replacement business.
2. Belt tensioners have to be replaced at low effort during maintenance.
3. By doing away with tensioning devices, vehicle manufacturers are supported with regard to their developments in the field of lightweight constructions.

3PK 4PK 5PK 6PK 7PK 8PK 9PK 10PK 12PK and DPK are available

MOLD LIST

400	595	790	985	1180	1375	1570	1765	1960	2155	2350	2545	2740	2935	3260
405	600	795	990	1185	1380	1575	1770	1965	2160	2355	2550	2745	2940	3270
410	605	800	995	1190	1385	1580	1775	1970	2165	2360	2555	2750	2945	3280
415	610	805	1000	1195	1390	1585	1780	1975	2170	2365	2560	2755	2950	3290
420	615	810	1005	1200	1395	1590	1785	1980	2175	2370	2565	2760	2955	3300
425	620	815	1010	1205	1400	1595	1790	1985	2180	2375	2570	2765	2960	3310
430	625	820	1015	1210	1405	1600	1795	1990	2185	2380	2575	2770	2965	3320
435	630	825	1020	1215	1410	1605	1800	1995	2190	2385	2580	2775	2970	3330
440	635	830	1025	1220	1415	1610	1805	2000	2195	2390	2585	2780	2975	3340
445	640	835	1030	1225	1420	1615	1810	2005	2200	2395	2590	2785	2980	3350
450	645	840	1035	1230	1425	1620	1815	2010	2205	2400	2595	2790	2985	3360
455	650	845	1040	1235	1430	1625	1820	2015	2210	2405	2600	2795	2990	3370
460	655	850	1045	1240	1435	1630	1825	2020	2215	2410	2605	2800	2995	3380
465	660	855	1050	1245	1440	1635	1830	2025	2220	2415	2610	2805	3000	3390
470	665	860	1055	1250	1445	1640	1835	2030	2225	2420	2615	2810	3010	3400
475	670	865	1060	1255	1450	1645	1840	2035	2230	2425	2620	2815	3020	3410
480	675	870	1065	1260	1455	1650	1845	2040	2235	2430	2625	2820	3030	3420
485	680	875	1070	1265	1460	1655	1850	2045	2240	2435	2630	2825	3040	3430
490	685	880	1075	1270	1465	1660	1855	2050	2245	2440	2635	2830	3050	3440
495	690	885	1080	1275	1470	1665	1860	2055	2250	2445	2640	2835	3060	3450
500	695	890	1085	1280	1475	1670	1865	2060	2255	2450	2645	2840	3070	3460
505	700	895	1090	1285	1480	1675	1870	2065	2260	2455	2650	2845	3080	3470
510	705	900	1095	1290	1485	1680	1875	2070	2265	2460	2655	2850	3090	3480
515	710	905	1100	1295	1490	1685	1880	2075	2270	2465	2660	2855	3100	3490
520	715	910	1105	1300	1495	1690	1885	2080	2275	2470	2665	2860	3110	3500
525	720	915	1110	1305	1500	1695	1890	2085	2280	2475	2670	2865	3120	
530	725	920	1115	1310	1505	1700	1895	2090	2285	2480	2675	2870	3130	
535	730	925	1120	1315	1510	1705	1900	2095	2290	2485	2680	2875	3140	
540	735	930	1125	1320	1515	1710	1905	2100	2295	2490	2685	2880	3150	
545	740	935	1130	1325	1520	1715	1910	2105	2300	2495	2690	2885	3160	
550	745	940	1135	1330	1525	1720	1915	2110	2305	2500	2695	2890	3170	
555	750	945	1140	1335	1530	1725	1920	2115	2310	2505	2700	2895	3180	
560	755	950	1145	1340	1535	1730	1925	2120	2315	2510	2705	2900	3190	
565	760	955	1150	1345	1540	1735	1930	2125	2320	2515	2710	2905	3200	
570	765	960	1155	1350	1545	1740	1935	2130	2325	2520	2715	2910	3210	
575	770	965	1160	1355	1550	1745	1940	2135	2330	2525	2720	2915	3220	
580	775	970	1165	1360	1555	1750	1945	2140	2335	2530	2725	2920	3230	
585	780	975	1170	1365	1560	1755	1950	2145	2340	2535	2730	2925	3240	
590	785	980	1175	1370	1565	1760	1955	2150	2345	2540	2735	2930	3250	

AUTOMOTIVE V BELT



V-belts by FRK POWER in AVX profiles are cut with internal teeth for transmitting the highest power and speeds in motor vehicles. The belts are made from a highly durable rubber compound and polyester tension member. Optimized flanks ensure improved friction ratios and higher transmitted power.

FRK POWER offers CR and EPDM rubber for V belt.

Thanks to scalloped surface, are compared favorably with an increased flexibility and correct position of pulleys in the grooves.



AVX profile belts are used in modern driving auxiliary equipment in the engines of trucks, commercial and light vehicles (generators, pumps, compressors, fan and heating systems and so on).

AVX profile belts are used in new constructions of motor-cars driving systems to increase transmitted power. The belts are produced with permanent length tolerance and can be installed on driving systems without any extra belt selection control. After break-in period, V-belts with open profile sides AVX work with a constant friction coefficient, are notable for high thermal stability and oil resistance together with optimal anti-static properties.

Specific rubber mixtures used withstand increased pressure and high temperatures under non-standard conditions of operation. A scalloped surface provides the belt with a better flexibility, optimal fit with the pulleys' grooves and a reduced temperature during operation which increases performance life of the belt and decreases its replacement and maintenance expenses.

Type	Top Width(mm)	Belt Thickness(mm)	Angle °
AVX9.5/10	10	8	38
AVX12.5/13	13	9	38
AVX15	15		38
AVX17	17	11	38
AVX22	22	13	38

Length is range from 450-4500mm

WRAPPED V BELT



Wrapped V-Belt rubberized fabric. "Wrap" means that the core of the V-belt is protected by a covering fabric of cotton or polyester material. The covered fabric is coated with rubber to enhance wear resistance.

Classical V-belt

Section is trapezoid, the whole circle without joint, triangle belt specifications are divided by the size of the back width (top width) and height (thickness), according to the size of different top width and height, divided into seven types, respectively, Z, A, B, C, D, E, F type, each type of section width, top width, height are not the same. The section area of the tape from type Z to type F gradually increases, with the characteristics of high strength and low elongation, which is most commonly used in low-load transmission systems, such as agricultural machinery.



Type	Top Width (mm)	Height (mm)	Length Type
Z	10	6	Li/Lw/La
A	13	8	Li/Lw/La
B	17	11	Li/Lw/La
C	22	14	Li/Lw/La
D	32	19	Li/Lw/La
E	38	23	Li/Lw/La
F	50	30	Li/Lw/La

WRAPPED V BELT

Narrow V-Belt

The transverse stiffness of the narrow V-belt is large, the transmission function is 50-100% higher than that of the classical V-belt, the transmission limit speed is 40m/s, and the transmission efficiency is more than 95%.

3V(9N) 5V(15N) 8V(25N) SPZ SPA SPB SPC

Type	Top Width (mm)	Height (mm)	Length Type
3V (9N)	9.5	8	Li/Lw/La
5V (15N)	16	13.5	Li/Lw/La
8V (25N)	25.5	23	Li/Lw/La
SPZ	10	8	Li/Lw/La
SPA	13	10	Li/Lw/La
SPB	17	14	Li/Lw/La
SPC	22	18	Li/Lw/La

Double V-Belt

With multiple working faces, good flexibility. Suitable for textile, agricultural machinery and other multi-axis drive. Models can be customized anti-static products.

HAA HBB HCC

Type	Top Width(mm)	Height (mm)	Angle
HAA	13	10	40°
HBB	17	13	40°
HCC	22	17	40°

Banded Classical V-Belt AJ, BJ, CJ, DJ, EJ

Banded Narrow V-Belt 3V(9N)J, 5V(15N)J, 8V(25N)J, SPZJ, SPAJ, SPBJ, SPCJ

RAW EDGE V BELT



FRK POWER raw-edge belts have cogs on the bottom section and forego the fabric wrapping on the outside of the belt, leaving the interior materials exposed on the sides. The belt, provided with a higher coefficient of friction, can now better grip the sheaves. This increased grip means that the raw-edged belt transmits more horsepower at higher speeds, as much as a 30% increase in some cases.



FRK POWER v-belts with special EPDM construction ensures maximum efficiency and load carrying capacity in demanding v-belt drives. Excellent for applications requiring dependable, non-slip performance and operation in high temperature environments. With outstanding ozone resistance, low temperature flexibility and high temperature resistance.

This increase in the transmission of horsepower has a cascading effect on the drive.

Type	Top width (mm)	Belt Thickness (mm)	Angle (°)
ZX	10	6.0	38
AX	13	8.0	38
BX	17	11	38
CX	22	14	38
DX	32	19	38
EX	38	23	38
XPZ	9.7	8.0	40
XPA	12.7	10	40
XPB	16.3	13	40
XPC	22	18	40
3VX	9.5	8	40
5VX	16	13.5	40
8VX	25.4	23	40

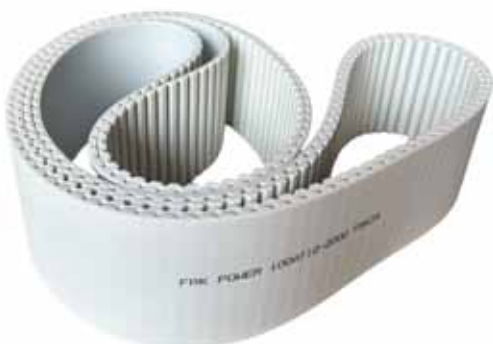
Banded cogged v belts are available.

PU BELT



The CPU polyurethane transmission belt is cast from thermosetting polyurethane material, which gives the belt superior mechanical properties, chemical properties, and thermal stability. Various types of reinforced cord cores serve as the tension layer of the belt, paired with high-precision full-size molds, endowing the timing belt with excellent dimensional stability and abrasion resistance. The product is suitable for high-strength, high-precision and high-speed transmission.

TPU ENDLESS TIMING BELT



Seamless TPU timing belts are better performance than CPU belt, which is made out of abrasion-resistant polyurethane that provides thermoplastic flexibility, and long-lasting, energy efficient belt system solutions for even the most demanding industries and applications. PAZ PAR are both available.

TPU OPEN TIMING BELT



FRK POWER TPU Linear Timing Belts provide exceptional performance in conveying and precision motion control applications. We offer two potential constructions to meet your application needs—welded endless and open ended. A variety of tooth pitch, length, and material combinations are available that cover a wide range of possible configurations for your specific application.

PAZ PAR are both available.
Jointed/welded TPU timing belt is available.

OTHER TPU BELT



OTHER BELT

COATED TIMING BELT



SYNCHRONIBELT



RUBBER OPEN TIMING BELT



VARIABLE SPEED V BELT



FRK POWER®
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