



Timing Belts



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Classical Timing Belts

TIMING / SYNCHRONOUS BELTS

BPT-X'act[®] CT CLASSICAL TIMING BELTS



XL	5.080	130XL - 450XL
L	9.525	124L - 720L
H	12.700	230H - 1700H

BELT DESIGNATION:

BPT-X'act[®] CT 270 XL XL 025
BPT-X'act[®] CT 270 XL XL 025

270	XL	025
↓	↓	↓
Pitch Length 27"	Section (Tooth pitch 5.080 mm) 0.25"	Belt Width

Note : Maximum sleeve width is available up to 450 mm

BPT-X'act[®] HTD TIMING BELTS



5M	5.00	330 5M - 2100 5M
8M	8.00	424 8M - 3600 8M
14M	14.00	966 14M - 3850 14M

BELT DESIGNATION:

BPT-X'act[®] HTD 800 8M 8M 30
BPT-X'act[®] HTD 800 8M 8M 30

800	8M	30
↓	↓	↓
Pitch Length 800 mm	Section (Tooth pitch 8.0 mm) 30 mm	Belt Width

Note : Maximum sleeve width is available up to 450 mm

BPT-X'act[®] STD TIMING BELTS



S5M	5.00	STD S 5M 375 - STD S 5M 2525
S8M	8.00	STD S 8M 376 - STD S 8M 2600

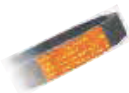
BELT DESIGNATION:

BPT-X'act[®] STD S 5M 650 S 5M 15
BPT-X'act[®] STD S 5M 650 S 5M 15

STD 150	S 5M	650
↓	↓	↓
Belt Top Width 15 mm	Section (Tooth pitch 5.0 mm) 650 mm	Pitch Length

Note : Maximum sleeve width is available up to 450 mm

BPT-X'act[®] TOP COAT TIMING BELTS



FEATURES:

- Timing belt with profile top rubber
- Hardness (Shore A 45 & 75) provides excellent cushioning with elasticity

APPLICATIONS:

- Packaging industry

RANGE: Classical Timing Belt "L" section

Other sections can be provided on request.

Classical Timing Belts



XL SECTION - CLASSICAL TIMING BELTS							
Belt	No. Teeth	Belt	No. Teeth	Belt	No. Teeth	Belt	No. Teeth
130 - XL	65	180 - XL	90	230 - XL	115	300 - XL	150
140 - XL	70	190 - XL	95	240 - XL	120	330 - XL	165
150 - XL	75	200 - XL	100	260 - XL	130	412 - XL	206
160 - XL	80	210 - XL	105	270 - XL	135	450 - XL	225
170 - XL	85	220 - XL	110	280 - XL	140		

L SECTION - CLASSICAL TIMING BELTS							
Belt	No. Teeth	Belt	No. Teeth	Belt	No. Teeth	Belt	No. Teeth
124 - L	33	240 - L	64	345 - L	92	525 - L	140
150 - L	40	255 - L	68	367 - L	98	540 - L	144
180 - L	48	270 - L	72	390 - L	104	600 - L	160
187 - L	50	285 - L	76	420 - L	112	630 - L	168
203 - L	54	300 - L	80	450 - L	120	720 - L	192
210 - L	56	322 - L	86	480 - L	128		
225 - L	60	330 - L	88	510 - L	136		

H SECTION - CLASSICAL TIMING BELTS							
Belt	No. Teeth	Belt	No. Teeth	Belt	No. Teeth	Belt	No. Teeth
230 - H	46	400 - H	80	630 - H	126	1000 - H	200
240 - H	48	410 - H	82	650 - H	130	1050 - H	210
255 - H	51	420 - H	84	660 - H	132	1100 - H	220
270 - H	54	430 - H	86	670 - H	134	1120 - H	224
280 - H	56	450 - H	90	700 - H	140	1140 - H	228
285 - H	57	465 - H	93	725 - H	145	1150 - H	230
300 - H	60	470 - H	94	730 - H	146	1200 - H	240
320 - H	64	480 - H	96	750 - H	150	1250 - H	250
330 - H	66	490 - H	98	770 - H	154	1325 - H	265
340 - H	68	510 - H	102	800 - H	160	1350 - H	270
350 - H	70	520 - H	104	810 - H	162	1400 - H	280
360 - H	72	540 - H	108	820 - H	164	1450 - H	290
370 - H	74	560 - H	112	850 - H	170	1600 - H	320
375 - H	75	570 - H	114	900 - H	180	1700 - H	340
390 - H	78	600 - H	120	950 - H	190		



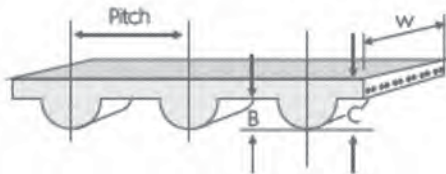
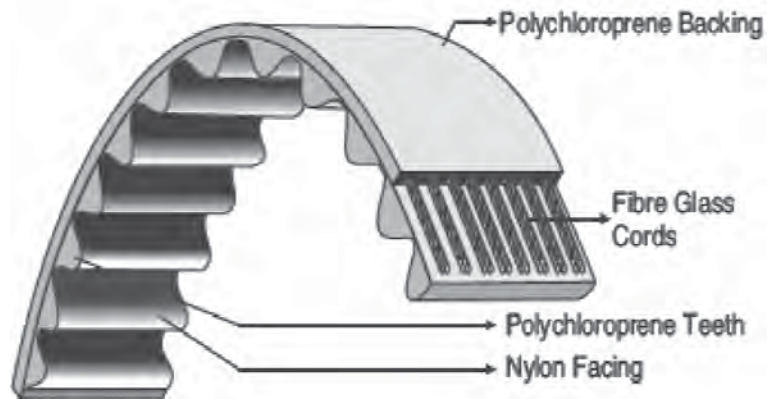
HTD Timing Belt

The HTD Timing belt is a positive synchronous drive belt. HTD Timing belts have curved teeth, which engage with their pulley. These teeth prevent slip, any slip which does occur is extremely minor and is primarily due to belt stretch, or erosion of the grooves. These belts are used for power transfer and for synchronised drives to ensure that the driven pulley is always rotating at a fixed speed ratio to the driving pulley.

Bearings & Power Transmissions carry a range of HTD Timing belts in 3M, 5M, 8M and 14M

Features

- Modified tooth profile for improved stress distribution
- Reduced tooth jump due to deeper tooth design
- High efficiency due to positive engagement between belt teeth and pulley grooves
- Reduced operating costs due to increase in efficiency
- Lower noise level
- No re-tensioning required
- Free from maintenance
- Increased power transmission capacity
- No high tension required



Section	Pitch (B)	Tooth Height (C)	Thickness	FPT Range
3M	3.00	1.1	2.4	111-1569
5M	5.00	2.10	3.80	180-2525
8M	8.00	3.48	6.00	424-2800
14M	14.00	6.25	10.00	966-2800

HTD Timing Belt



3M HTD											
Belt	No. Teeth	Belt	No. Teeth	Belt	No. Teeth	Belt	No. Teeth	Belt	No. Teeth	Belt	No. Teeth
111 3M	37	195 3M	65	291 3M	97	390 3M	130	525 3M	175	711 3M	237
129 3M	43	201 3M	67	294 3M	98	420 3M	140	531 3M	177	738 3M	246
141 3M	47	204 3M	68	300 3M	100	426 3M	142	537 3M	179	804 3M	268
144 3M	48	207 3M	69	312 3M	104	447 3M	149	558 3M	186	816 3M	272
150 3M	50	210 3M	70	315 3M	105	462 3M	154	564 3M	188	843 3M	281
165 3M	55	213 3M	71	318 3M	106	474 3M	158	570 3M	190	882 3M	294
168 3M	56	225 3M	75	330 3M	110	480 3M	160	597 3M	199	888 3M	296
171 3M	57	240 3M	80	339 3M	113	486 3M	162	600 3M	200	1062 3M	354
174 3M	58	252 3M	84	345 3M	115	495 3M	165	606 3M	202	1569 3M	523
177 3M	59	255 3M	85	357 3M	119	501 3M	167	615 3M	205		
180 3M	60	267 3M	89	363 3M	121	513 3M	171	633 3M	211		
186 3M	62	285 3M	95	366 3M	122	519 3M	173	669 3M	223		
192 3M	64	288 3M	96	384 3M	128	522 3M	174	675 3M	225		

5M HTD											
Belt	No. Teeth	Belt	No. Teeth	Belt	No. Teeth	Belt	No. Teeth	Belt	No. Teeth	Belt	No. Teeth
180 5M	36	370 5M	74	550 5M	110	665 5M	133	890 5M	178	1270 5M	254
225 5M	45	375 5M	75	560 5M	112	670 5M	134	900 5M	180	1400 5M	280
255 5M	51	385 5M	77	565 5M	113	700 5M	140	925 5M	185	1420 5M	284
265 5M	53	400 5M	80	575 5M	115	710 5M	142	935 5M	187	1425 5M	285
270 5M	54	415 5M	83	580 5M	116	720 5M	144	950 5M	190	1500 5M	300
280 5M	56	425 5M	85	590 5M	118	740 5M	148	965 5M	193	1595 5M	319
295 5M	59	450 5M	90	600 5M	120	750 5M	150	980 5M	196	1690 5M	338
305 5M	61	475 5M	95	610 5M	122	755 5M	151	1000 5M	200	1790 5M	358
325 5M	65	490 5M	98	615 5M	123	775 5M	155	1035 5M	207	1870 5M	374
330 5M	66	500 5M	100	630 5M	126	800 5M	160	1050 5M	210	1895 5M	379
340 5M	68	520 5M	104	635 5M	127	825 5M	165	1100 5M	220	2000 5M	400
350 5M	70	525 5M	105	640 5M	128	835 5M	167	1125 5M	225	2110 5M	422
360 5M	72	535 5M	107	645 5M	129	850 5M	170	1135 5M	227	2350 5M	470
365 5M	73	540 5M	108	650 5M	130	860 5M	172	1200 5M	240	2525 5M	505



HTD Timing Belt

8M HTD

Belt	No. Teeth	Belt	No. Teeth	Belt	No. Teeth	Belt	No. Teeth
8M-424	53	8M-840	105	8M-1160	145	8M-1696	212
8M-480	60	8M-848	106	8M-1184	148	8M-1728	216
8M-512	64	8M-856	107	8M-1200	150	8M-1760	220
8M-520	65	8M-880	110	8M-1216	152	8M-1800	225
8M-560	70	8M-896	112	8M-1224	153	8M-1904	238
8M-576	72	8M-912	114	8M-1248	156	8M-1936	242
8M-600	75	8M-920	115	8M-1256	157	8M-2000	250
8M-608	76	8M-960	120	8M-1280	160	8M-2080	260
8M-632	79	8M-968	121	8M-1304	163	8M-2104	263
8M-640	80	8M-976	122	8M-1328	166	8M-2240	280
8M-656	82	8M-1000	125	8M-1344	168	8M-2248	281
8M-680	85	8M-1040	130	8M-1360	170	8M-2272	284
8M-712	89	8M-1056	132	8M-1400	175	8M-2400	300
8M-720	90	8M-1064	133	8M-1424	178	8M-2504	313
8M-760	95	8M-1080	135	8M-1440	180	8M-2600	325
8M-776	97	8M-1096	137	8M-1520	190	8M-2800	350
8M-784	98	8M-1120	140	8M-1552	194	8M-3200	400
8M-800	100	8M-1128	141	8M-1600	200	8M-3600	450
8M-824	103	8M-1152	144	8M-1680	210		

14M HTD

Belt	No. Teeth	Belt	No. Teeth	Belt	No. Teeth	Belt	No. Teeth
14M-966	69	14M-1512	108	14M-1890	135	14M-2590	185
14M-1092	78	14M-1540	110	14M-1960	140	14M-2800	200
14M-1120	80	14M-1610	115	14M-2100	150	14M-3150	225
14M-1190	85	14M-1750	125	14M-2240	160	14M-3360	240
14M-1260	90	14M-1778	127	14M-2310	165	14M-3500	250
14M-1400	100	14M-1820	130	14M-2450	175		

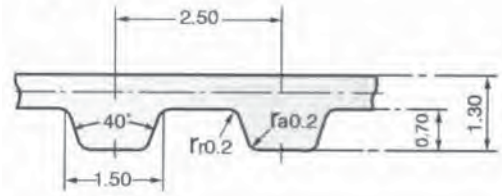
Polyurethane Timing Belts

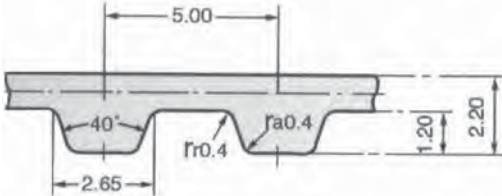
Timing belts made of Polyurethane with steel lacing tension cord and trapezoid formed teeth.

Applications:

- Type T2,5: power transmission up to 0.5 kW, electro mechanical design, e.g. film cameras
- Type T5: power transmission up to 2 kW, e.g. grinding, kitchen and office machines
- Type T10: power transmission up to 20 kW, e.g. textile, printing and tool machines, pumps, compressors, bellows

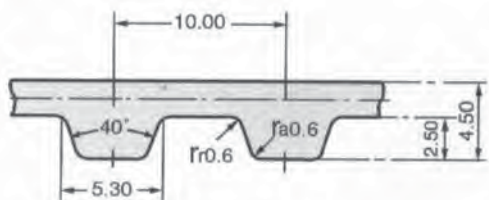
Bearings & Power Transmissions stocks a range of Strongbelt sleeves, these are cut to ordered widths.

Type: T2.5											
Belt Length	Teeth	Belt Length	Teeth	Belt Length	Teeth	Belt Length	Teeth	Belt Length	Teeth	Belt Length	Teeth
120	48	200	80	277.5	111	330	132	500	200	915	366
145	58	210	84	285	114	342.5	137	540	216	950	380
160	64	230	92	290	116	380	152	600	240		
177.5	71	245	98	305	122	420	168	650	260		
180	72	265	106	317.5	127	480	192	780	312		

Type: T5											
Belt Length	Teeth	Belt Length	Teeth	Belt Length	Teeth	Belt Length	Teeth	Belt Length	Teeth	Belt Length	Teeth
165	33	300	60	420	84	550	110	700	140	1075	215
185	37	305	61	425	85	560	112	720	144	1100	220
200	40	320	64	430	86	575	115	725	145	1115	223
215	43	325	65	440	88	590	118	750	150	1140	228
220	44	330	66	445	89	600	120	780	156	1215	243
225	45	340	68	450	90	610	122	800	160	1315	263
245	49	350	70	455	91	620	124	815	163	1350	270
250	50	355	71	460	92	625	125	840	168	1380	276
255	51	360	72	475	95	630	126	850	170	1440	288
260	52	365	73	480	96	640	128	860	172		
270	54	375	75	500	100	650	130	900	180		
275	55	390	78	510	102	660	132	940	188		
280	56	400	80	525	105	675	135	990	198		
295	59	410	82	545	109	690	138	1000	200		

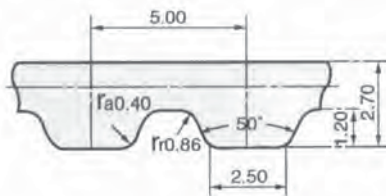
Polyurethane Timing Belts

Type: T10



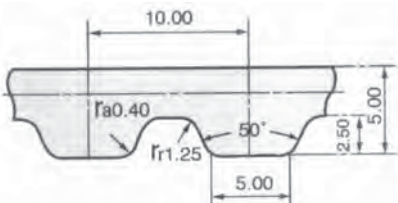
Belt Length	Teeth	Belt Length	Teeth	Belt Length	Teeth	Belt Length	Teeth	Belt Length	Teeth	Belt Length	Teeth
260	26	600	60	840	84	1010	101	1320	132	1700	170
320	32	610	61	850	85	1050	105	1350	135	1750	175
350	35	630	63	880	88	1080	108	1390	139	1780	178
370	37	650	65	890	89	1100	110	1400	140	1800	180
400	40	660	66	900	90	1110	111	1420	142	1880	188
410	41	690	69	910	91	1140	114	1440	144	1960	196
440	44	700	70	920	92	1150	115	1450	145	2250	225
450	45	720	72	950	95	1200	120	1460	146		
500	50	750	75	960	96	1210	121	1500	150		
530	53	780	78	970	97	1240	124	1560	156		
550	55	800	80	980	98	1250	125	1600	160		
560	56	810	81	1000	100	1300	130	1610	161		

Type: AT5



Belt Length	Teeth	Belt Length	Teeth	Belt Length	Teeth	Belt Length	Teeth	Belt Length	Teeth
225	45	375	75	500	100	710	142	860	172
255	51	390	78	545	109	720	144	975	195
280	56	420	84	600	120	750	150	1050	210
300	60	450	90	610	122	780	156	1125	225
340	68	455	91	660	132	825	165	1500	300

Type: AT10



Belt Length	Teeth	Belt Length	Teeth	Belt Length	Teeth	Belt Length	Teeth	Belt Length	Teeth
500	50	780	78	1010	101	1280	128	1500	150
530	53	800	80	1050	105	1300	130	1600	160
560	56	840	84	1080	108	1320	132	1700	170
600	60	890	89	1100	110	1350	135	1720	172
610	61	920	92	1150	115	1360	136	1800	180
660	66	960	96	1200	120	1400	140	1860	186
700	70	980	98	1210	121	1420	142	1940	194
730	73	1000	100	1250	125	1480	148		