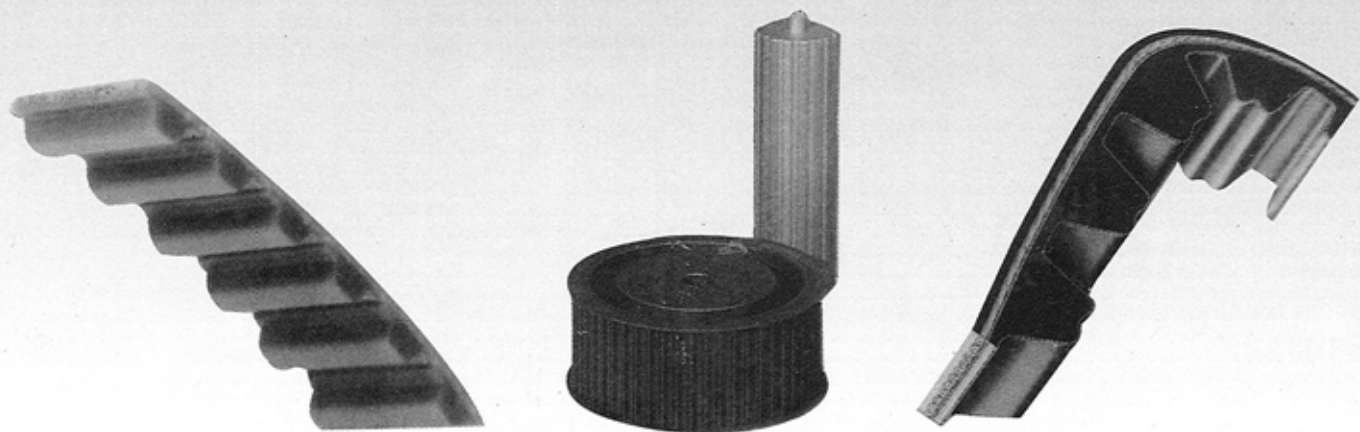
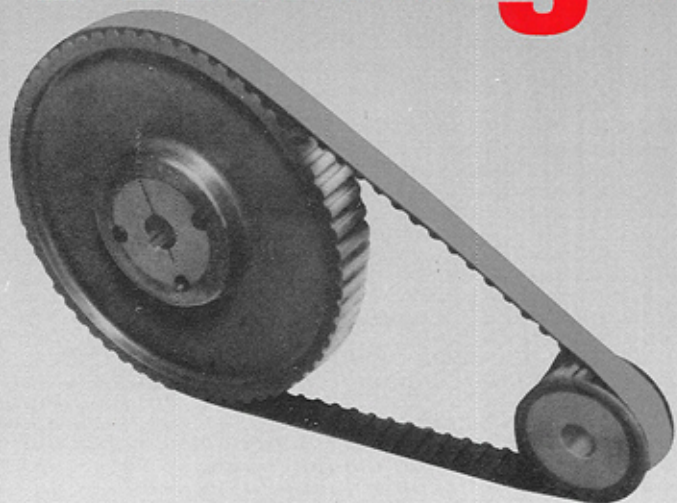


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Timing Drives



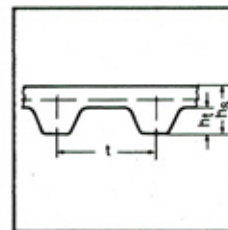
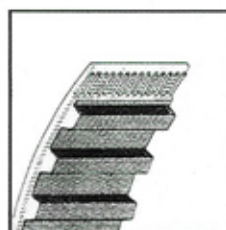
**CLASSICAL TIMING BELTS
METRIC SERIES TIMING BELTS
&
TIMING PULLEYS**

CLASSICAL TIMING BELTS

Timing Belt Drives are positive and offer synchronisation of speed and energy saving drive design, because they require less space, reduce bearing specification, eliminate tension devices, with high degree of efficiency. The Classical Timing Belt is the ideal low cost drive for powers up to 25 KW with a wide range of both belts and pulleys. It is available in XL, L, H, XH and XXH pitches in various width.

Features:

- * moderately oil-resistant
- * non-ageing and ozone-resistant
- * suitable for temperatures from -40 to 100°C
- * suitable for tropical climates



Section	t (mm)	t (")	h _s (mm)	h _t (mm)
XL	5.08	1/5	2.3	1.27
L	9.525	3/8	3.6	1.91
H	12.7	1/2	4.3	2.29
XH	22.225	7/8	11.2	6.35
XXH	31.75	1 1/4	15.7	9.53

Size designation (example)

Pitch length in inch x 10 -Pitch code - Width in inch x 100

300 L 075

300 _____ 30" = 762.0 mm
pitch length

L _____ 3/8" = 9.525 mm
tooth pitch

075 _____ 0.75" = 19.05 mm
timing belt width

Section XL

Tooth pitch 1/5" = 5.08 mm

Belt	Pitch Length L _p (mm)	No of teeth
60 XL	152.40	30
70 XL	177.80	35
80 XL	203.20	40
90 XL	228.60	45
100 XL	254.00	50
110 XL	279.40	55
120 XL	304.80	60
130 XL	330.20	65
140 XL	355.60	70
150 XL	381.00	75
160 XL	406.40	80
170 XL	431.80	85
180 XL	457.20	90
182 XL	462.28	91
190 XL	482.60	95
200 XL	508.00	100
210 XL	533.40	105
220 XL	558.80	110
230 XL	584.20	115
240 XL	609.60	120
250 XL	635.00	125
260 XL	660.40	130
270 XL	695.80	135

Standard widths for section XL:

Designation	Width in mm
037	9.53

Section L

Tooth pitch 3/8" = 9.525 mm

Belt	Pitch Length L _p (mm)	No of teeth
124 L	314.33	33
150 L	381.00	40
187 L	476.25	50
210 L	533.40	56
225 L	571.50	60
240 L	609.60	64
255 L	647.70	68
270 L	685.80	72
285 L	723.90	76
300 L	762.00	80
322 L	819.15	86
345 L	876.30	92
367 L	933.45	98
390 L	990.60	104

Section L

Tooth pitch 3/8" = 9.525 mm

Belt	Pitch Length L _p (mm)	No of teeth
420 L	1066.80	112
450 L	1143.00	120
480 L	1219.20	128
510 L	1295.40	136
540 L	1371.60	144
600 L	1524.00	160

Standard widths for section L:

Designation	Width in mm
050	12.7
075	19.05
100	25.4

Section H

Tooth pitch 1/2" = 12.700 mm

Belt	Pitch Length L _p (mm)	No of teeth
240 H	609.60	48
270 H	685.80	54
300 H	762.00	60
330 H	838.20	66
360 H	914.40	72
390 H	990.60	78
420 H	1066.80	84
450 H	1143.00	90
480 H	1219.20	96
510 H	1295.40	102
540 H	1371.60	108
570 H	1447.80	114
600 H	1524.00	120
630 H	1600.20	126
660 H	1676.40	132
700 H	1778.00	140
750 H	1905.00	150
800 H	2332.00	160
850 H	2159.00	170
900 H	2286.00	180
1000 H	2540.00	200
1100 H	2794.00	220
1250 H	3175.00	250
1400 H	3556.00	280
1700 H	4318.00	340

Standard widths for section H:

Designation	Width in mm
075	19.05
100	25.4
150	38.1
200	50.8
300	76.2

Section XH

Tooth pitch 7/8" = 22.225 mm

Belt	Pitch Length L _p (mm)	No of teeth
507 XH	1289.05	58
560 XH	1422.40	64
630 XH	1600.20	72
700 XH	1778.00	80
770 XH	1955.80	88
840 XH	2133.60	96
980 XH	2489.20	112
1120 XH	2844.80	128
1260 XH	3200.40	144
1400 XH	3556.00	160
1540 XH	3911.60	176
1750 XH	4445.00	200

Standard widths for section XH:

Designation	Width in mm
200	50.8
300	76.2
400	101.6

Section XXH

Tooth pitch 1 1/4" = 31.75 mm

Belt	Pitch Length L _p (mm)	No of teeth
700 XXH	1778.00	56
800 XXH	2032.00	64
900 XXH	2286.00	72
1000 XXH	2540.00	80
1200 XXH	3048.00	96
1400 XXH	3556.00	112
1600 XXH	4064.00	128
1800 XXH	4572.00	144

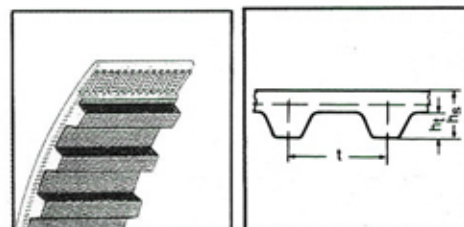
Standard widths for section XXH:

Designation	Width in mm
200	50.8
300	76.2
400	101.6
500	127.0

METRIC SERIES TIMING BELTS

Demands for ever increasing power and speed led to the introduction of Metric Series of High Torque Drive Belts using a parabolic tooth profile to enable increased tooth contact between belt and pulley. HTD belts drive has improved shear stress resistance, improved power capability and reduced noise level. It is available in 5 pitches, 3M, 5M, 8M, 14M and 20M in various width.

Section	t (mm)	h _s (mm)	h _t (mm)
3M	3	2.4	1.2
5M	5	3.4	2.1
8M	8	5.6	3.4
14M	14	10.0	6.1
20M	20	13.2	6.1



Size designation (example)

Actual length in mm - Pitch - Actual Width in mm

HTD 960 - 8 M - 50

960 _____ 960 mm pitch length
8 M _____ 8 mm tooth pitch
50 _____ 50 mm timing belt width

Section 3M-tooth pitch 3 mm

Belt	Pitch Length L _p (mm)	No of teeth
111 - 3 M	111	37
144 - 3 M	144	48
150 - 3 M	150	50
168 - 3 M	168	56
174 - 3 M	174	58
180 - 3 M	180	60
204 - 3 M	204	68
210 - 3 M	210	70
240 - 3 M	240	80
252 - 3 M	252	84
255 - 3 M	255	85
300 - 3 M	300	100
336 - 3 M	336	112
384 - 3 M	384	128
390 - 3 M	390	130
420 - 3 M	420	140
474 - 3 M	474	158
480 - 3 M	480	160
495 - 3 M	495	165
522 - 3 M	522	174
525 - 3 M	525	175
570 - 3 M	570	190
606 - 3 M	606	202
612 - 3 M	612	204
708 - 3 M	708	236
738 - 3 M	738	246
822 - 3 M	822	274
945 - 3 M	945	315
960 - 3 M	960	320
1068 - 3 M	1068	356
1125 - 3 M	1125	375
1176 - 3 M	1176	392
1245 - 3 M	1245	415

Standard widths for section 3 M:
6, 9, 15 mm

Section 5 M-tooth pitch 5 mm

Belt	Pitch Length L _p (mm)	No of teeth
225 - 5 M	225	45
265 - 5 M	265	53
275 - 5 M	275	55
295 - 5 M	295	59
300 - 5 M	300	60
330 - 5 M	330	66
350 - 5 M	350	70
375 - 5 M	375	75
400 - 5 M	400	80
425 - 5 M	425	85
450 - 5 M	450	90
460 - 5 M	460	92

Section 5 M-tooth pitch 5 mm

Belt	Pitch Length L _p (mm)	No of teeth
475 - 5 M	475	95
500 - 5 M	500	100
535 - 5 M	535	107
565 - 5 M	565	113
600 - 5 M	600	120
615 - 5 M	615	123
620 - 5 M	620	124
630 - 5 M	630	126
635 - 5 M	635	127
665 - 5 M	665	133
700 - 5 M	700	140
710 - 5 M	710	142
755 - 5 M	755	151
800 - 5 M	800	160
835 - 5 M	835	167
890 - 5 M	890	178
900 - 5 M	900	180
925 - 5 M	925	185
1000 - 5 M	1000	200
1050 - 5 M	1050	210
1125 - 5 M	1125	225
1270 - 5 M	1270	254
1500 - 5 M	1500	300

Standard widths for section 5 M:
9, 15, 25 mm

Section 8 M - tooth pitch 8 mm

Belt	Pitch Length L _p (mm)	No of teeth
376 - 8 M	376	47
424 - 8 M	424	53
472 - 8 M	472	59
480 - 8 M	480	60
560 - 8 M	560	70
600 - 8 M	600	75
624 - 8 M	624	78
640 - 8 M	640	80
656 - 8 M	656	82
720 - 8 M	720	90
776 - 8 M	776	97
784 - 8 M	784	98
800 - 8 M	800	100
880 - 8 M	880	110
912 - 8 M	912	114
920 - 8 M	920	115
960 - 8 M	960	120

Section 8 M - tooth pitch 8 mm

Belt	Pitch Length L _p (mm)	No of teeth
1040 - 8 M	1040	130
1120 - 8 M	1120	140
1200 - 8 M	1200	150
1280 - 8 M	1280	160
1304 - 8 M	1304	163
1328 - 8 M	1328	166
1360 - 8 M	1360	170
1424 - 8 M	1424	178
1440 - 8 M	1440	180
1600 - 8 M	1600	200
1760 - 8 M	1760	220
1800 - 8 M	1800	225
2000 - 8 M	2000	250
2248 - 8 M	2248	281
2400 - 8 M	2400	300
2800 - 8 M	2800	350

Standard widths for section 8 M:
20, 30, 50, 85 mm

Section 14 M - tooth pitch 14 mm

Belt	Pitch Length L _p (mm)	No of teeth
966 - 14 M	966	69
1190 - 14 M	1190	85
1400 - 14 M	1400	100
1610 - 14 M	1610	115
1778 - 14 M	1778	127
1890 - 14 M	1890	135
2100 - 14 M	2100	150
2310 - 14 M	2310	165
2450 - 14 M	2450	175
2590 - 14 M	2590	185
2800 - 14 M	2800	200
3150 - 14 M	3150	225
3500 - 14 M	3500	250
3850 - 14 M	3850	275
4326 - 14 M	4326	309
4578 - 14 M	4578	327

Standard widths for section 14 M:
40, 55, 85, 115, 170 mm

Section 20 M - tooth pitch 20mm

Belt	Pitch Length L _p (mm)	No of teeth
2000 - 20 M	2000	100
3400 - 20 M	3400	170
4200 - 20 M	4200	210
5000 - 20 M	5000	250
5800 - 20 M	5800	290
6200 - 20 M	6200	310

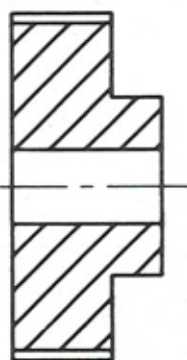
TIMING BELTS

Belt	XL (1 5/8" Pitch)	L (3/8" Pitch)	H (1/2" Pitch)	XH (7/8" Pitch)	XXH (1 1/4" Pitch)
Width (inches)	3/8"	1/2" 3/4" 1"	3/4" 1" 1 1/2" 2" 3"	2" 3" 4"	2" 3" 4" 5"

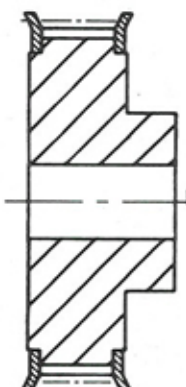
HTD TIMING BELTS

Belt	HTD 3M (3mm Pitch)	HTD 5M (5mm Pitch)	HTD 8M (8mm Pitch)	HTD 14M (14mm Pitch)	HTD 20M (20mm Pitch)
Width (mm)	6 9 15	9 15 25	20 30 50 85	40 55 85 115 170	115 170 230 290 340

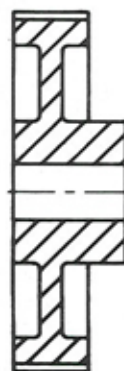
DIFFERENT TYPES OF TIMING PULLEYS :



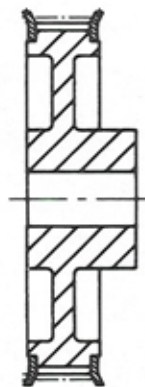
Type 1



Type 1F



Type 2



Type 2F

Material : Cast Iron, Mild Steel, Aluminium & Nylon

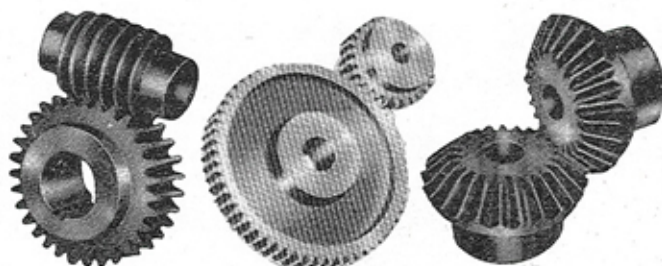
Our Other Products :



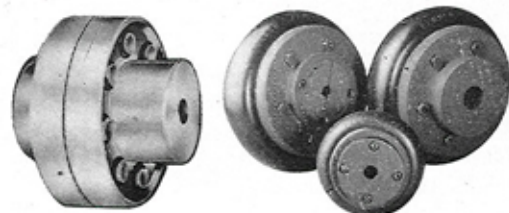
Roller Chain & Conveyor Chain



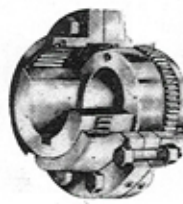
Sprockets



Gears



Flexible Couplings



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