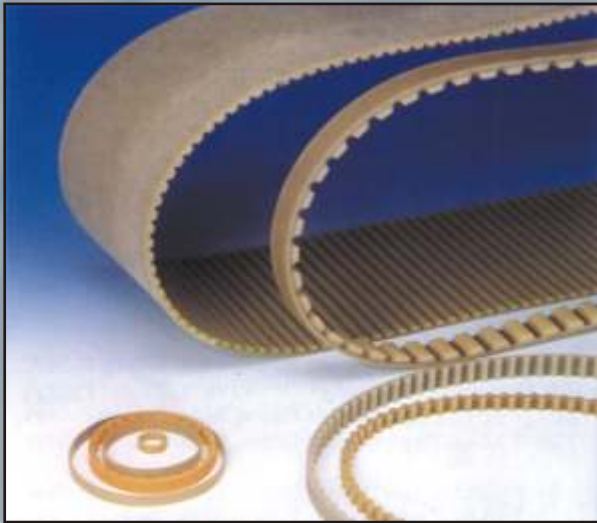


***Esbee Machinery Pvt. Ltd.***



# Timing Belt and Pulleys



**WE OFFER IMPORTED**  
**TIMING BELT**

**DAYCO-PIRELLI (ITALY)**  
**OPTI-BELT (GERMANY)**  
**MITSUBOSHI (JAPAN)**



## Standard sizes of Belts



**Esbee Machinery Pvt. Ltd.**

The three principal dimensions of Timing Belts are pitch length, pitch of the teeth and width for ordering code.

Example

Belt Code	88XL50	210L100	725H300	810XH200
Pitch length	8.8"	21"	72.5"	84"
Pitch length Code (Pitch length in inches x 10)	88	210	725	840
Pitch	1/50	3/80	1/20	7/80
Pitch Code	XL	L	H	XH
Width	0.5	10	30	20
Width Code (Width In Inches x 100)	050	100	300	200

### TIMING BELTS SIZES :

'XL' Pitch 1/5"

Std. width	Code
1/4"	025
5/16"	031
3/8"	037

'L' Pitch 3/8"

Std. width	Code
1/2"	050
3/4"	075
1"	100

'H' Pitch 1/2"

Std. width	Code
3/4"	075
1"	100
1 1/2"	150
2"	200
3"	300

Length Code	Pitch Length Inch	No. of Teeth
88 XL	8.8	44
90 XL	9.0	45
94 XL	9.4	47
100 XL	10.0	50
110 XL	11.0	55
120 XL	12.0	60
128 XL	12.8	64
130 XL	13.0	65
140 XL	14.0	70
150 XL	15.0	75
156 XL	15.6	78
160 XL	16.0	80
170 XL	17.0	85
180 XL	18.0	90
190 XL	19.0	95
200 XL	20.0	100
210 XL	21.0	105
220 XL	22.0	110
230 XL	23.0	115
240 XL	24.0	120
250 XL	25.0	125
260 XL	26.0	130
280 XL	28.0	140
290 XL	29.0	150

Length Code	Pitch Length Inch	No. of Teeth
124 L	12.375	33
150 L	15.000	40
155 L	15.375	41
165 L	16.500	44
173 L	17.250	46
187 L	18.750	50
202 L	20.250	54
210 L	21.000	56
225 L	22.500	60
240 L	24.000	64
255 L	25.500	68
270 L	27.500	72
285 L	28.500	76
300 L	30.000	80
320 L	32.000	85
322 L	32.250	86
345 L	34.500	92
367 L	36.700	98
390 L	39.000	104
420 L	42.000	112
450 L	45.000	120
480 L	48.000	128
510 L	51.000	136
540 L	54.000	144
600 L	60.000	160
660 L	66.000	176
817 L	81.700	218

Length Code	Pitch Length Inch	No. of Teeth
240 H	24.0	48
270 H	27.0	54
300 H	30.0	60
330 H	33.0	66
350 H	35.0	70
360 H	36.0	72
375 H	37.5	75
390 H	39.0	78
400 H	40.0	80
420 H	42.0	84
450 H	45.0	90
480 H	48.0	96
510 H	51.0	102
540 H	54.0	108
570 H	57.0	114
600 H	60.0	120
630 H	63.0	126
660 H	66.0	132
700 H	70.0	140
725 H	72.5	145
750 H	75.0	150
800 H	80.0	160
850 H	85.0	170
900 H	90.0	180

For MXL, XXH, T-2.5, T-5, T-10  
Please refer for details

### HIGH TORQUE BELTS

Ordering Code : Pitch length in mm - Pitch in mm - Width in mm

Example : 1778 - 14 M - 85

Pitch Length 1778 mm, Pitch 14 mm, Belt Width 85 mm

3M  
Standard width  
6mm, 9mm & 15mm

Length Code	Pitch Length Inch	No. of Teeth
174-3M	174	58
204-3M	204	68
261-3M	261	87
264-3M	264	88
312-3M	312	104
318-3M	318	106
483-3M	483	161
501-3M	501	167
633-3M	633	211

5M  
Standard width  
9mm, 15mm & 25mm

Length Code	Pitch Length Inch	No. of Teeth
400-5M	400	80
450-5M	450	90
500-5M	500	100
540-5M	540	108
635-5M	635	127
710-5M	710	142
835-5M	835	167
925-5M	925	185

8M  
Standard width  
20mm, 30mm, 50mm  
& 85mm

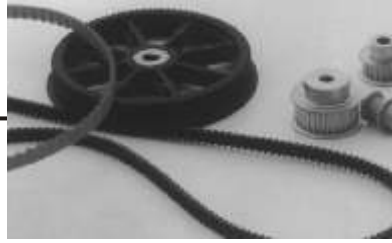
Length Code	Pitch Length Inch	No. of Teeth
480-8M	482	60
536-8M	536	67
560-8M	560	70
600-8M	600	75
632-8M	632	79
640-8M	640	80
720-8M	720	90
800-8M	800	100
840-8M	840	105
880-8M	880	110
920-8M	920	115
960-8M	960	120
1040-8M	1040	130
1120-8M	1120	140
1152-8M	1152	144
1200-8M	1200	150
1224-8M	1224	153
1280-8M	1280	160
1440-8M	1440	180
1600-8M	1600	200
1760-8M	1760	220
1800-8M	1800	225
2000-8M	2000	250
2104-8M	2104	263
2400-8M	2400	300
2600-8M	2600	325
2800-8M	2800	350
4400-8M	4400	550

14M  
Standard width  
40mm, 55mm, 85mm  
115mm & 170mm

Length Code	Pitch Length Inch	No. of Teeth
966-14M	482	60
1190-14M	1190	85
1400-14M	1400	100
1610-14M	1610	115
1778-14M	1778	127
1890-14M	1890	135
2100-14M	2100	150
2310-14M	2310	165
2450-14M	2450	175
2590-14M	2590	185
2800-14M	2800	200
3150-14M	3150	225
3360-14M	3360	240
3500-14M	3500	250
3850-14M	3850	275
4326-14M	4326	309
4578-14M	4578	327

Dimensions in millimeters unless otherwise indicated.

# Timing Pullys



## LIGHT PITCH PULLEY

(L) Pitch = 3/8" - L 050 / L075 / L100

Teeth	P. Dia	Teeth	P. Dia	Teeth	P. Dia	Teeth	P. Dia
14	42.45	21	63.57	28	84.89	72	218.30
15	45.48	22	66.70	30	90.96	84	254.68
16	48.51	23	69.73	32	97.02	96	291.06
17	51.54	24	72.77	36	109.15	120	363.83
18	54.57	25	75.80	40	121.28		
19	57.61	26	78.83	48	145.53		
20	60.54	27	81.86	60	181.91		

'H' Pitch = 1/2" - H100 / H150 / H200 / H300

Teeth	P. Dia	Teeth	P. Dia	Teeth	P. Dia	Teeth	P. Dia
18	72.77	25	101.06	40	161.70	156	630.64
19	76.81	26	105.11	48	194.06		
20	80.85	27	109.15	60	242.55		
21	84.89	28	113.19	72	291.06		
22	88.94	30	121.28	84	337.57		
23	92.98	32	129.36	96	388.08		
24	97.02	36	145.53	120	485.10		

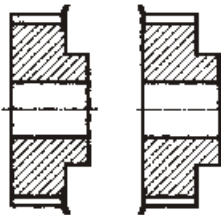
## HEAVY(H) PITCH PULLEY

Belt Width = H100 - 3/4" & 1", H150 - 1 1/2", H200 - 2", H300 - 3"

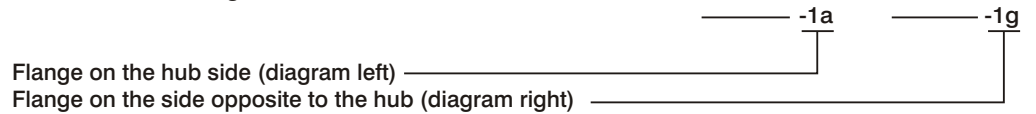
5M			
Teeth	P. Dia	Teeth	P. Dia
28	44.56	56	80.13
32	50.93	64	101.86
34	54.11	72	114.59
36	57.30	80	127.32
38	60.48	90	143.24
40	63.66	112	178.25
44	70.03	136	216.45
48	76.39	150	238.73

8M					
Teeth	P. Dia	Teeth	P. Dia	Teeth	P. Dia
22	50.02	38	96.77	90	229.18
24	61.12	40	101.86		
26	66.21	44	112.05		
28	71.30	48	122.23		
30	76.39	56	142.60		
32	81.49	64	162.97		
34	86.49	72	183.35		
36	91.67	80	203.72		

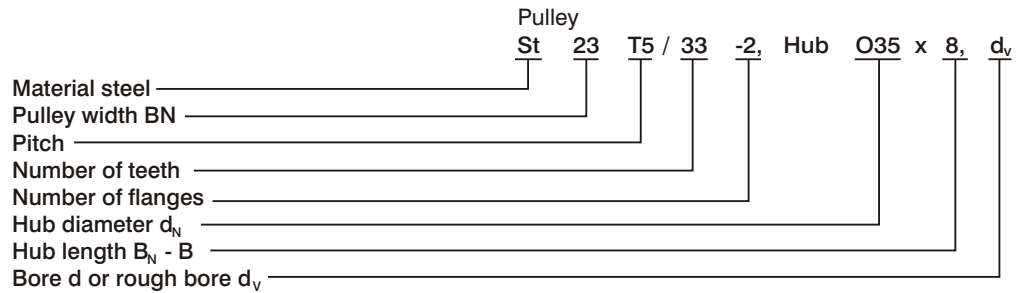
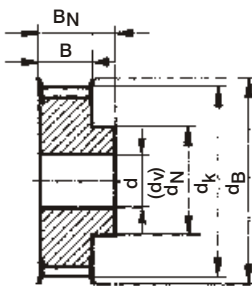
14M					
Teeth	P. Dia	Teeth	P. Dia	Teeth	P. Dia
28	124.78	44	196.08	144	641.71
29	129.23	48	213.90	168	748.66
30	133.69	56	249.55	192	855.62
32	142.60	64	285.21		
34	151.51	72	320.86		
36	160.43	80	356.51		
38	169.34	90	401.07		
40	175.49	112	499.11		



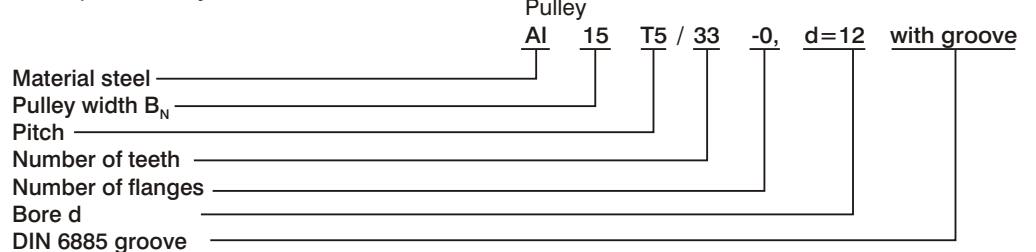
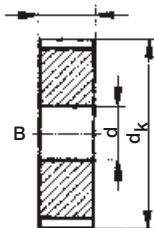
The number of flanges is given as either 0, 1 or 2. Should a pulley, with hub, have only one flange, then it should be designated as follows :



Example : Pulley with hub for 10mm belt width

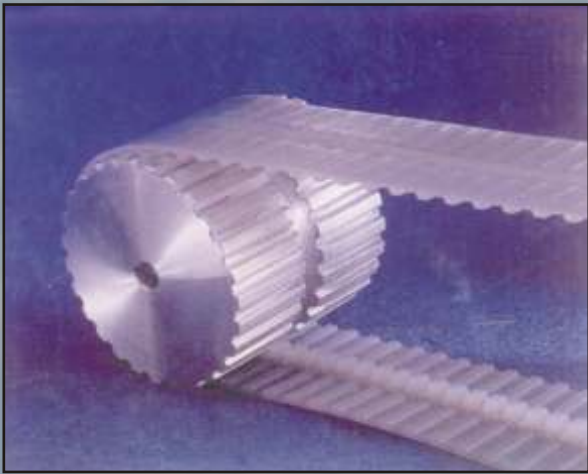


Example : Pulley without hub for 10mm belt width



## PULLEY SELECTION SUGGESTIONS

- Pulley diameter should not be smaller than the belt's width.
- If centre distance is more than 8 times the diameter of smaller pulley, both the pulleys should be flanged.
- Never crimp fibre glass cord belts. Crimping will cause damage to fibres, resulting in premature belt failure.



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