

Timing Pulley

Timing belt power transmission systems work the best when high-accuracy belts and precisely processed pulleys smoothly mesh with each other.

- Cutting with hob cutter enables good power transmission.
- MBL accepts your request for material, form and processing method.
- Flange is not sold separately as a single item.

Standard Pulley Types & Sizes

Belt Type	MXL-Rod shape				
No. of Teeth	Length (mm)	Material	OD (mm)	PD (mm)	Product Code
10	100	High-Strength Aluminum Alloy	5.96	6.47	P10 MXL 100
12			7.25	7.76	P12 MXL 100
13			7.90	8.41	P13 MXL 100
14			8.55	9.06	P14 MXL 100
15			9.19	9.70	P15 MXL 100
16			9.84	10.35	P16 MXL 100
17			10.49	11.00	P17 MXL 100
18			11.13	11.64	P18 MXL 100
19			11.78	12.29	P19 MXL 100
20			12.43	12.94	P20 MXL 100
21					
22			13.07	13.58	P21 MXL 100
23			13.72	14.23	P22 MXL 100
24			14.37	14.88	P23 MXL 100
25			15.02	15.52	P24 MXL 100
26			15.66	16.17	P25 MXL 100
27			16.31	16.82	P26 MXL 100
28			16.96	17.46	P27 MXL 100
29			17.60	18.11	P28 MXL 100
30			18.25	18.76	P29 MXL 100
32			20.19	20.70	P32 MXL 100
34			21.48	21.99	P34 MXL 100
36			22.78	23.29	P36 MXL 100
38			24.07	24.58	P38 MXL 100
40			25.36	25.87	P40 MXL 100
42			26.66	27.17	P42 MXL 100
44			27.95	28.46	P44 MXL 100
46			29.25	29.76	P46 MXL 100
48			30.54	31.05	P48 MXL 100
50			31.83	32.34	P50 MXL 100
52			33.13	33.63	P52 MXL 100
54			34.42	34.93	P54 MXL 100
56			35.71	36.22	P56 MXL 100
60			38.30	38.81	P60 MXL 100
64			40.89	41.40	P64 MXL 100
70			44.77	45.28	P70 MXL 100
72			46.06	46.57	P72 MXL 100
80			51.24	51.74	P80 MXL 100
84			53.82	54.33	P84 MXL 100
96			61.59	62.09	P96 MXL 100
100			64.17	64.68	P100 MXL 100
120			77.11	77.62	P120 MXL 100

Belt Type	MXL for Belt Width – 6.4mm				
No. of Teeth	Length (mm)	Material	OD (mm)	PD (mm)	Product Code
20	B	High-Strength Aluminum Alloy	12.43	12.94	P20 MXL 6.4
21	B		13.07	13.58	P21 MXL 6.4
22	B		13.72	14.23	P22 MXL 6.4
23	B		14.37	14.88	P23 MXL 6.4
24	B		15.02	15.52	P24 MXL 6.4
25	B		15.66	16.17	P25 MXL 6.4
26	B		16.31	16.82	P26 MXL 6.4
27	B		16.96	17.46	P27 MXL 6.4
28	B		17.60	18.11	P28 MXL 6.4
30	B		18.90	19.40	P30 MXL 6.4
32	B		20.19	20.70	P32 MXL 6.4
36	B		22.78	23.29	P36 MXL 6.4
40	B		25.36	25.87	P40 MXL 6.4
48	B		30.54	31.05	P48 MXL 6.4
60	B		38.30	38.81	P60 MXL 6.4
72	B		46.06	46.57	P72 MXL 6.4
84	B		53.82	54.33	P84 MXL 6.4
96	B		61.59	62.09	P96 MXL 6.4
120	B		77.11	77.62	P120 MXL 6.4

Belt Type	XL				
No. of Teeth	Pulley Type	Material	OD (mm)	PD (mm)	Product Code
10	C	Sintered Material	15.66	16.17	10 XL 037
11	C		17.28	17.79	11 XL 037
12	C		18.90	19.40	12 XL 037
14	C		22.13	22.64	14 XL 037
15	C		23.75	24.46	15 XL 037
16	B		25.36	25.87	16 XL 037
18	B		28.60	29.11	18 XL 037
19	B		30.22	30.72	19 XL 037
20	B		31.83	32.34	20 XL 037
21	B		33.45	33.96	21 XL 037
22	B		35.07	35.57	22 XL 037
24	B		38.30	38.81	24 XL 037
25	B	Steel	39.92	40.43	25 XL 037
26	B		41.53	42.04	26 XL 037
28	B		44.77	45.28	28 XL 037
30	B		48.00	48.51	30 XL 037
32	A•B		51.24	51.74	32 XL 037
34	A•B		54.47	54.98	34 XL 037
36	A•B		57.70	58.21	36 XL 037
38	A•B		60.94	61.45	38 XL 037
40	A•B		64.17	64.68	40 XL 037
42	A•B		67.41	67.91	42 XL 037
44	A•B		70.64	71.15	44 XL 037
48	W	Cast Metal	77.11	77.62	48 XL 037
50	W		80.34	80.85	50 XL 037
60	W		96.51	97.02	60 XL 037
72	W		115.92	116.43	72 XL 037

Belt Type	L				
No. of Teeth	Pulley Type	Material	OD (mm)	PD (mm)	Product Code
10	A•B	Steel	29.56	30.32	10 L 050
12	A•B		35.62	36.38	12 L 050
14	A•B		41.68	42.45	14 L 050
15	A•B		44.72	45.48	15 L 050
16	A•B		47.75	48.51	16 L 050
17	A•B		50.78	51.54	17 L 050
18	A•B		53.81	54.57	18 L 050
19	A•B		56.84	57.61	19 L 050
20	A•B		59.88	60.64	20 L 050
21	A•B		62.91	63.67	21 L 050
22	A•B		65.94	66.70	22 L 050
24	A•B		72.00	72.77	24 L 050
25	A•B	Cast Metal	75.04	75.80	25 L 050
26	A•B		78.07	78.83	26 L 050
28	A•B		84.13	84.89	28 L 050
30	A•B		90.20	90.96	30 L 050
32	A•B		96.26	97.02	32 L 050
34	A•B		102.32	103.08	34 L 050
36	A•B		108.39	109.15	36 L 050
38	A•B		114.45	115.21	38 L 050
40	A•B		120.51	121.28	40 L 050
44	A•B		132.64	133.40	44 L 050
48	W		144.77	145.53	48 L 050
50	W		150.83	151.60	50 L 050
60	W		181.15	181.91	60 L 050
72	W		217.53	218.30	72 L 050

Timing Pulley

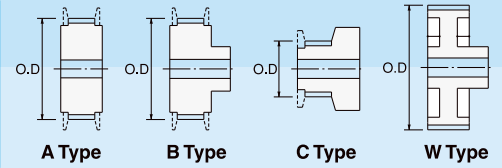
Pulley Product Code

(Example) **38 XL 037 B**

No. of Teeth — 38 — Belt Type — XL — Belt Width (inch x 100) — 037 — Pulley Type Form — B

Add "P" in front of the product code for MXL type
(Ex) P26MXL6.4B

(Note: belt width is in mm for MXL type)



Tooth profile for standard pulleys is in-volute shape complying with ISO standards.

Standard Pulley Types & Sizes

Belt Type		H					
No. of Teeth	Pulley Type	Material	OD (mm)	PD (mm)	Product Code		
14	A•B	Steel	55.22	56.60	14H100	14H150	14H200
15	A•B		59.27	60.64	15H100	15H150	15H200
16	A•B		63.31	64.68	16H100	16H150	16H200
18	A•B		71.39	72.77	18H100	18H150	18H200
19	A•B		75.44	76.81	19H100	19H150	19H200
20	A•B		79.48	80.85	20H100	20H150	20H200
21	A•B		83.52	84.89	21H100	21H150	21H200
22	A•B		87.56	88.94	22H100	22H150	22H200
24	A•B		95.65	97.02	24H100	24H150	24H200
25	A•B		99.69	101.06	25H100	25H150	25H200
26	A•B	Cast Metal	103.73	105.11	26H100	26H150	26H200
28	A•B		111.82	113.19	28H100	28H150	28H200
30	A•B		119.90	121.28	30H100	30H150	30H200
32	A•B		127.99	129.36	32H100	32H150	32H200
34	A•B		136.07	137.45	34H100	34H150	34H200
36	A•B		144.16	145.53	36H100	36H150	36H200
40	A•B		160.33	161.70	40H100	40H150	40H200
44	W		176.50	177.87	44H100	44H150	44H200
48	W		192.67	194.04	48H100	48H150	48H200
50	W		200.76	202.13	50H100	50H150	50H200
60	W		241.18	242.55	60H100	60H150	60H200
72	W		289.69	291.06	72H100	72H150	72H200

Belt Type		T5					
No. of Teeth	Pulley Type	Material	OD (mm)	PD (mm)	Product Code		
12	C	Sintered Material	18.25	19.10	PT5-10-12		
14	C		21.45	22.28	PT5-10-14		
15	C		23.05	23.87	PT5-10-15		
16	B		24.60	25.46	PT5-10-16		
18	B		27.80	28.65	PT5-10-18		
20	B		31.00	31.83	PT5-10-20		
22	B		34.25	35.01	PT5-10-22		
24	B		37.40	38.20	PT5-10-24		
25	B		39.00	39.79	PT5-10-25		
26	B		40.60	41.38	PT5-10-26		
28	B	Steel	43.75	44.56	PT5-10-28		
30	B		46.95	47.75	PT5-10-30		
32	A•B		50.10	50.93	PT5-10-32		
36	A•B		56.45	57.30	PT5-10-36		
40	A•B		62.85	63.66	PT5-10-40		
44	W	Cast Metal	69.20	70.03	PT5-10-44		
48	W		75.55	76.39	PT5-10-48		
50	W		78.75	79.58	PT5-10-50		
60	W		94.65	95.49	PT5-10-60		

Belt Type		T10					
No. of Teeth	Pulley Type	Material	OD (mm)	PD (mm)	Product Code		
12	A•B	Steel	36.35	38.20	PT10-15-12	PT10-25-12	
14	A•B		42.70	44.56	PT10-15-14	PT10-25-14	
15	A•B		45.90	47.75	PT10-15-15	PT10-25-15	
16	A•B		49.05	50.93	PT10-15-16	PT10-25-16	
18	A•B		55.45	57.30	PT10-15-18	PT10-25-18	
20	A•B		61.80	63.66	PT10-15-20	PT10-25-20	
22	A•B		68.15	70.03	PT10-15-22	PT10-25-22	
24	A•B		74.55	76.39	PT10-15-24	PT10-25-24	
25	A•B		77.70	79.58	PT10-15-25	PT10-25-25	
26	A•B		80.90	82.76	PT10-15-26	PT10-25-26	
28	A•B	Cast Metal	87.25	89.13	PT10-15-28	PT10-25-28	
30	A•B		93.65	95.49	PT10-15-30	PT10-25-30	
32	A•B		100.00	101.86	PT10-15-32	PT10-25-32	
36	A•B		112.75	114.59	PT10-15-36	PT10-25-36	
40	A•B		125.45	127.32	PT10-15-40	PT10-25-40	
44	W		138.20	140.06	PT10-15-44	PT10-25-44	
48	W		150.95	152.79	PT10-15-48	PT10-25-48	
50	W		157.30	159.15	PT10-15-50	PT10-25-50	
60	W		189.10	190.99	PT10-15-60	PT10-25-60	