

Timing Belts

MXL, XL, L, H Type

Although some tooth fabrics for MXL and XL rubber belts (TBN) are change from black to brown to prevent rubber-dust generation, However, it does not affect the performance. For Long Timing Belts No. of Teeth Configurable Type, refer to P.1444, for Open End Belts, refer to P.1445.

Timing Belts – MXL, XL, L, H Type

TBN Rubber
TUN Polyurethane

Operating Temp.
Rubber: -30~90°C
Polyurethane: 0~80°C

RoHS 10

Features & Cautions P.1339

Type	Material
TBN	(1) Tooth Cover: Nylon Cloth
	(2) Tooth Rubber: Chloroprene Rubber
	(3) Core Wire: Glass Fiber Cord S and Z Twist Alternative Series
TUN	(1) (2) Body: Polyurethane
	(3) Core Wire: MXL: Kevlar XL / L Steel Cord

Type	Pitch	2θ	Lr	h	H	Rr	Ra	Unit Mass g/m (Width: 10 mm)
MXL Rubber	2.032	40°	1.14	0.51	1.11	0.13	0.13	11.0
MXL Polyurethane	2.032	60°	—	0.46	1.22	—	—	10.0
XL	5.08	50°	2.57	1.27	2.27	0.38	0.38	22.0 (20.0)
L	9.525	40°	4.65	1.91	3.61	0.51	0.51	32.0 (30.0)
H	12.7	40°	6.12	2.29	4.59	1.00	1.00	40.0

Values in () are the unit mass of polyurethane.

- Operating Temp. Rubber: -30~90°C Polyurethane: 0~80°C
- Note: The figure of belt No. have different meanings depending on type.
- For MXL, Belt No. is the number of belt teeth, and for XL, L and H, belt circumference length.
- Belt Circumference Length is the length of Core Wire.
- TUN - XL, L Type - cannot be used with tension from back side

Type MXL Pitch: 2.032 mm

Type	Part Number	Belt No.	Belt Nom. Width	Teeth	Belt Circum. Length (mm)	Available Types					
						019	025	037	050	025	037
TBN Rubber	45MXL	45	91.44	45	91.44						
	48MXL	48	97.54	48	97.54						
	50MXL	50	101.60	50	101.60						
	52MXL	52	105.66	52	105.66						
	53MXL	53	107.70	53	107.70						
	54MXL	54	109.73	54	109.73						
	55MXL	55	111.76	55	111.76						
	56MXL	56	113.79	56	113.79						
	57MXL	57	115.82	57	115.82						
	59MXL	59	119.89	59	119.89						
	60MXL	60	121.92	60	121.92						
	61MXL	61	123.95	61	123.95						
	63MXL	63	128.02	63	128.02						
	65MXL	65	132.08	65	132.08						
	67MXL	67	136.14	67	136.14						
	68MXL	68	138.18	68	138.18						
70MXL	70	142.24	70	142.24							
71MXL	71	144.27	71	144.27							
72MXL	72	146.30	72	146.30							
73MXL	73	148.34	73	148.34							
75MXL	75	152.40	75	152.40							
76MXL	76	154.43	76	154.43							
77MXL	77	156.46	77	156.46							
78MXL	78	158.50	78	158.50							
79MXL	79	160.53	79	160.53							
80MXL	80	162.56	80	162.56							
82MXL	82	166.62	82	166.62							
83MXL	83	168.66	83	168.66							
85MXL	85	172.72	85	172.72							
87MXL	87	176.78	87	176.78							
88MXL	88	178.82	88	178.82							
89MXL	89	180.85	89	180.85							
90MXL	90	182.88	90	182.88							
91MXL	91	184.91	91	184.91							
92MXL	92	186.94	92	186.94							
93MXL	93	188.98	93	188.98							
94MXL	94	191.01	94	191.01							
95MXL	95	193.04	95	193.04							
96MXL	96	195.07	96	195.07							
97MXL	97	197.10	97	197.10							
98MXL	98	199.14	98	199.14							
99MXL	99	201.17	99	201.17							
100MXL	100	203.20	100	203.20							
101MXL	101	205.23	101	205.23							
102MXL	102	207.26	102	207.26							
103MXL	103	209.30	103	209.30							
104MXL	104	211.33	104	211.33							
105MXL	105	213.36	105	213.36							
106MXL	106	215.39	106	215.39							
108MXL	108	219.46	108	219.46							
110MXL	110	223.52	110	223.52							
112MXL	112	227.58	112	227.58							
114MXL	114	231.65	114	231.65							
115MXL	115	233.68	115	233.68							
118MXL	118	239.78	118	239.78							
120MXL	120	243.84	120	243.84							
121MXL	121	245.87	121	245.87							
122MXL	122	247.90	122	247.90							
123MXL	123	249.94	123	249.94							
124MXL	124	251.97	124	251.97							
125MXL	125	254.00	125	254.00							
126MXL	126	256.03	126	256.03							
127MXL	127	258.06	127	258.06							
128MXL	128	260.10	128	260.10							
129MXL	129	262.13	129	262.13							
130MXL	130	264.16	130	264.16							
131MXL	131	266.19	131	266.19							
132MXL	132	268.22	132	268.22							
134MXL	134	272.29	134	272.29							
135MXL	135	274.32	135	274.32							
138MXL	138	280.42	138	280.42							
140MXL	140	284.48	140	284.48							
142MXL	142	288.54	142	288.54							
144MXL	144	292.61	144	292.61							
145MXL	145	294.64	145	294.64							
146MXL	146	296.67	146	296.67							
148MXL	148	300.74	148	300.74							
150MXL	150	304.80	150	304.80							
155MXL	155	314.96	155	314.96							
158MXL	158	321.06	158	321.06							
160MXL	160	325.12	160	325.12							
162MXL	162	329.18	162	329.18							

Timing Belts

MXL, XL, L, H Type, continued

Part Number Example

Type	Belt No.	Belt Nominal Width
TBN	210MXL	025
TUN	210L	050

Type XL Pitch: 5.08 mm

Type	Part Number	Belt No.	Belt Nom. Width	Teeth	Belt Circum. Length (mm)	Available Types								
						019	025	037	050	025	031	037	050	
TBN Rubber	60XL	30	152.40	30	152.40									
	68XL	34	172.72	34	172.72									
	70XL	35	177.80	35	177.80									
	76XL	38	193.04	38	193.04									
	78XL	39	198.12	39	198.12									
	80XL	40	203.20	40	203.20									
	84XL	42	213.36	42	213.36									
	88XL	44	223.52	44	223.52									
	90XL	45	228.60	45	228.60									
	92XL	46	233.68	46	233.68									
	94XL	47	238.76	47	238.76									
	96XL	48	243.84	48	243.84									
	98XL	49	248.92	49	248.92									
	100XL	50	254.00	50	254.00									
	102XL	51	259.08	51	259.08									
	104XL	52	264.16	52	264.16									
108XL	54	274.32	54	274.32										
110XL	55	279.40	55	279.40										
112XL	56	284.48	56	284.48										
114XL	57	289.56	57	289.56										
116XL	58	294.64	58	294.64										
118XL	59	299.72	59	299.72										
120XL	60	304.80	60	304.80										
122XL	61	309.88	61	309.88										
124XL	62	314.96	62	314.96										
126XL	63	320.04	63	320.04										
128XL	64	325.12	64	325.12										
130XL	65	330.20	65	330.20										
134XL	67	340.36	67	340.36										
136XL	68	345.44	68	345.44										
138XL	69	350.52	69	350.52										
140XL	70	355.60	70	355.60										
142XL	71	360.68	71	360.68										
144XL	72	365.76	72	365.76										
146XL	73	370.84	73	370.84										
148XL	74	375.92	74	375.92										
150XL	75	381.00	75	381.00										
152XL	76	386.08	76	386.08										
154XL	77	391.16	77	391.16										
156XL	78	396.24	78	396.24										
158XL	79	401.32	79	401.32										
160XL	80	406.40	80	406.40										
162XL	81	411.48	81	411.48										
164XL	82	416.56	82	416.56										
166XL	83	421.64	83	421.64										
168XL	84	426.72	84	426.72										
170XL	85	431.80	85	431.80				</						