

Curved Tooth Timing Belts

Challenge Curved Tooth Timing Belts

The special curved tooth design provides improved power transmission in a wide range of industrial applications. The precision formed teeth ensure smooth engagement with pulley grooves ensuring a long trouble free service life.

3M and 5M pitch belts are especially suited for many domestic, office machinery and power tool applications.

8M, 14M and 20M pitch belts are widely used in high performance drive applications.

Belt Dimensions

	3M	5M	8M	14M
Belt Pitch (P)	3.00	5.00	8.00	14.00
Tooth Depth (T)	1.15	2.00	3.20	6.00
Belt Thickness (H)	2.40	3.80	5.40	9.70

Curved Tooth Pitch 3 mm

No of Teeth	Width			No of Teeth	Width		
	6 mm Part no	9 mm Part no	15 mm Part no		6 mm Part no	9 mm Part no	15 mm Part no
30	90-3M-6	90-3M-9	90-3M-15	115	345-3M-6	345-3M-9	345-3M-15
35	105-3M-6	105-3M-9	105-3M-15	119	357-3M-6	357-3M-9	357-3M-15
43	129-3M-6	129-3M-9	129-3M-15	121	363-3M-6	363-3M-9	363-3M-15
47	141-3M-6	141-3M-9	141-3M-15	125	375-3M-6	375-3M-9	375-3M-15
48	144-3M-6	144-3M-9	144-3M-15	128	384-3M-6	384-3M-9	384-3M-15
49	147-3M-6	147-3M-9	147-3M-15	130	390-3M-6	390-3M-9	390-3M-15
50	150-3M-6	150-3M-9	150-3M-15	131	393-3M-6	393-3M-9	393-3M-15
53	159-3M-6	159-3M-9	159-3M-15	135	405-3M-6	405-3M-9	405-3M-15
56	168-3M-6	168-3M-9	168-3M-15	140	420-3M-6	420-3M-9	420-3M-15
58	174-3M-6	174-3M-9	174-3M-15	144	432-3M-6	432-3M-9	432-3M-15
59	177-3M-6	177-3M-9	177-3M-15	149	447-3M-6	447-3M-9	447-3M-15
60	180-3M-6	180-3M-9	180-3M-15	158	474-3M-6	474-3M-9	474-3M-15
62	186-3M-6	186-3M-9	186-3M-15	160	480-3M-6	480-3M-9	480-3M-15
65	195-3M-6	195-3M-9	195-3M-15	162	486-3M-6	486-3M-9	486-3M-15
67	201-3M-6	201-3M-9	201-3M-15	163	489-3M-6	489-3M-9	489-3M-15
68	204-3M-6	204-3M-9	204-3M-15	167	501-3M-6	501-3M-9	501-3M-15
70	210-3M-6	210-3M-9	210-3M-15	170	510-3M-6	510-3M-9	510-3M-15
71	213-3M-6	213-3M-9	213-3M-15	171	513-3M-6	513-3M-9	513-3M-15
75	225-3M-6	225-3M-9	225-3M-15	174	522-3M-6	522-3M-9	522-3M-15
77	231-3M-6	231-3M-9	231-3M-15	177	531-3M-6	531-3M-9	531-3M-15
80	240-3M-6	240-3M-9	240-3M-15	179	537-3M-6	537-3M-9	537-3M-15
81	243-3M-6	243-3M-9	243-3M-15	188	564-3M-6	564-3M-9	564-3M-15
82	246-3M-6	246-3M-9	246-3M-15	190	570-3M-6	570-3M-9	570-3M-15
83	249-3M-6	249-3M-9	249-3M-15	192	576-3M-6	576-3M-9	576-3M-15
84	252-3M-6	252-3M-9	252-3M-15	193	579-3M-6	579-3M-9	579-3M-15
85	255-3M-6	255-3M-9	255-3M-15	199	597-3M-6	597-3M-9	597-3M-15
87	261-3M-6	261-3M-9	261-3M-15	200	600-3M-6	600-3M-9	600-3M-15
88	264-3M-6	264-3M-9	264-3M-15	211	633-3M-6	633-3M-9	633-3M-15
89	267-3M-6	267-3M-9	267-3M-15	216	648-3M-6	648-3M-9	648-3M-15
90	270-3M-6	270-3M-9	270-3M-15	223	669-3M-6	669-3M-9	669-3M-15
92	276-3M-6	276-3M-9	276-3M-15	237	711-3M-6	711-3M-9	711-3M-15
95	285-3M-6	285-3M-9	285-3M-15	245	735-3M-6	735-3M-9	735-3M-15
96	288-3M-6	288-3M-9	288-3M-15	246	738-3M-6	738-3M-9	738-3M-15
97	291-3M-6	291-3M-9	291-3M-15	252	756-3M-6	756-3M-9	756-3M-15
99	297-3M-6	297-3M-9	297-3M-15	268	804-3M-6	804-3M-9	804-3M-15
100	300-3M-6	300-3M-9	300-3M-15	294	882-3M-6	882-3M-9	882-3M-15
104	312-3M-6	312-3M-9	312-3M-15	315	945-3M-6	945-3M-9	945-3M-15
106	318-3M-6	318-3M-9	318-3M-15	354	1062-3M-6	1062-3M-9	1062-3M-15
109	327-3M-6	327-3M-9	327-3M-15	375	1125-3M-6	1125-3M-9	1125-3M-15
110	330-3M-6	330-3M-9	330-3M-15	415	1245-3M-6	1245-3M-9	1245-3M-15
111	333-3M-6	333-3M-9	333-3M-15	421	1263-3M-6	1263-3M-9	1263-3M-15
112	336-3M-6	336-3M-9	336-3M-15	500	1500-3M-6	1500-3M-9	1500-3M-15
113	339-3M-6	339-3M-9	339-3M-15	510	1530-3M-6	1530-3M-9	1530-3M-15

All dimensions in millimetres unless otherwise stated. Every effort has been taken to ensure that the data listed in this catalogue is correct. Challenge accepts no liability for any inaccuracies or damage caused

Curved Tooth Timing Belts

Curved Tooth Pitch 5 mm

No of Teeth	Width		
	9 mm Part no	15 mm Part no	25 mm Part no
61	305-5M-9	305-5M-15	305-5M-25
65	325-5M-9	325-5M-15	325-5M-25
69	345-5M-9	345-5M-15	345-5M-25
70	350-5M-9	350-5M-15	350-5M-25
75	375-5M-9	375-5M-15	375-5M-25
80	400-5M-9	400-5M-15	400-5M-25
84	420-5M-9	420-5M-15	420-5M-25
85	425-5M-9	425-5M-15	425-5M-25
90	450-5M-9	450-5M-15	450-5M-25
91	455-5M-9	455-5M-15	455-5M-25
92	460-5M-9	460-5M-15	460-5M-25
93	465-5M-9	465-5M-15	465-5M-25
95	475-5M-9	475-5M-15	475-5M-25
100	500-5M-9	500-5M-15	500-5M-25
105	525-5M-9	525-5M-15	525-5M-25
107	535-5M-9	535-5M-15	535-5M-25
113	565-5M-9	565-5M-15	565-5M-25
115	575-5M-9	575-5M-15	575-5M-25
116	580-5M-9	580-5M-15	580-5M-25
120	600-5M-9	600-5M-15	600-5M-25
122	610-5M-9	610-5M-15	610-5M-25
123	615-5M-9	615-5M-15	615-5M-25
127	635-5M-9	635-5M-15	635-5M-25
128	640-5M-9	640-5M-15	640-5M-25
134	670-5M-9	670-5M-15	670-5M-25
135	675-5M-9	675-5M-15	675-5M-25
140	700-5M-9	700-5M-15	700-5M-25
141	705-5M-9	705-5M-15	705-5M-25
142	710-5M-9	710-5M-15	710-5M-25
145	725-5M-9	725-5M-15	725-5M-25
148	740-5M-9	740-5M-15	740-5M-25

No of Teeth	Width		
	9 mm Part no	15 mm Part no	25 mm Part no
150	750-5M-9	750-5M-15	750-5M-25
151	755-5M-9	755-5M-15	755-5M-25
160	800-5M-9	800-5M-15	800-5M-25
167	835-5M-9	835-5M-15	835-5M-25
170	850-5M-9	850-5M-15	850-5M-25
178	890-5M-9	890-5M-15	890-5M-25
180	900-5M-9	900-5M-15	900-5M-25
187	935-5M-9	935-5M-15	935-5M-25
188	940-5M-9	940-5M-15	940-5M-25
190	950-5M-9	950-5M-15	950-5M-25
196	980-5M-9	980-5M-15	980-5M-25
200	1000-5M-9	1000-5M-15	1000-5M-25
205	1025-5M-9	1025-5M-15	1025-5M-25
210	1050-5M-9	1050-5M-15	1050-5M-25
220	1100-5M-9	1100-5M-15	1100-5M-25
225	1125-5M-9	1125-5M-15	1125-5M-25
227	1135-5M-9	1135-5M-15	1135-5M-25
239	1195-5M-9	1195-5M-15	1195-5M-25
240	1200-5M-9	1200-5M-15	1200-5M-25
248	1240-5M-9	1240-5M-15	1240-5M-25
254	1270-5M-9	1270-5M-15	1270-5M-25
284	1420-5M-9	1420-5M-15	1420-5M-25
319	1595-5M-9	1595-5M-15	1595-5M-25
338	1690-5M-9	1690-5M-15	1690-5M-25
358	1790-5M-9	1790-5M-15	1790-5M-25
360	1800-5M-9	1800-5M-15	1800-5M-25
374	1870-5M-9	1870-5M-15	1870-5M-25
379	1895-5M-9	1895-5M-15	1895-5M-25
389	1945-5M-9	1945-5M-15	1945-5M-25
400	2000-5M-9	2000-5M-15	2000-5M-25

Curved Tooth Timing Belts

Curved Tooth Pitch 8 mm

No of Teeth	Width			
	20 mm Part no	30 mm Part no	50 mm Part no	85 mm Part no
60	480-8M-20	480-8M-30	480-8M-50	480-8M-85
67	536-8M-20	536-8M-30	536-8M-50	536-8M-85
68	544-8M-20	544-8M-30	544-8M-50	544-8M-85
70	560-8M-20	560-8M-30	560-8M-50	560-8M-85
75	600-8M-20	600-8M-30	600-8M-50	600-8M-85
76	608-8M-20	608-8M-30	608-8M-50	608-8M-85
79	632-8M-20	632-8M-30	632-8M-50	632-8M-85
80	640-8M-20	640-8M-30	640-8M-50	640-8M-85
85	680-8M-20	680-8M-30	680-8M-50	680-8M-85
90	720-8M-20	720-8M-30	720-8M-50	720-8M-85
100	800-8M-20	800-8M-30	800-8M-50	800-8M-85
105	840-8M-20	840-8M-30	840-8M-50	840-8M-85
110	880-8M-20	880-8M-30	880-8M-50	880-8M-85
112	896-8M-20	896-8M-30	896-8M-50	896-8M-85
115	920-8M-20	920-8M-30	920-8M-50	920-8M-85
120	960-8M-20	960-8M-30	960-8M-50	960-8M-85
125	1000-8M-20	1000-8M-30	1000-8M-50	1000-8M-85
130	1040-8M-20	1040-8M-30	1040-8M-50	1040-8M-85
135	1080-8M-20	1080-8M-30	1080-8M-50	1080-8M-85
140	1120-8M-20	1120-8M-30	1120-8M-50	1120-8M-85
150	1200-8M-20	1200-8M-30	1200-8M-50	1200-8M-85
153	1224-8M-20	1224-8M-30	1224-8M-50	1224-8M-85
160	1280-8M-20	1280-8M-30	1280-8M-50	1280-8M-85
169	1352-8M-20	1352-8M-30	1352-8M-50	1352-8M-85
180	1440-8M-20	1440-8M-30	1440-8M-50	1440-8M-85
183	1464-8M-20	1464-8M-30	1464-8M-50	1464-8M-85
200	1600-8M-20	1600-8M-30	1600-8M-50	1600-8M-85
220	1760-8M-20	1760-8M-30	1760-8M-50	1760-8M-85
225	1800-8M-20	1800-8M-30	1800-8M-50	1800-8M-85
250	2000-8M-20	2000-8M-30	2000-8M-50	2000-8M-85
275	2200-8M-20	2200-8M-30	2200-8M-50	2200-8M-85
300	2400-8M-20	2400-8M-30	2400-8M-50	2400-8M-85
315	2520-8M-20	2520-8M-30	2520-8M-50	2520-8M-85
325	2600-8M-20	2600-8M-30	2600-8M-50	2600-8M-85
350	2800-8M-20	2800-8M-30	2800-8M-50	2800-8M-85

Curved Tooth Timing Belts

Curved Tooth Pitch 14 mm

No of Teeth	Width				
	40 mm Part no	55 mm Part no	85 mm Part no	115 mm Part no	170 mm Part no
69	966-14M-40	966-14M-55	966-14M-85	966-14M-115	966-14M-170
71	994-14M-40	994-14M-55	994-14M-85	994-14M-115	994-14M-170
78	1092-14M-40	1092-14M-55	1092-14M-85	1092-14M-115	1092-14M-170
79	1106-14M-40	1106-14M-55	1106-14M-85	1106-14M-115	1106-14M-170
85	1190-14M-40	1190-14M-55	1190-14M-85	1190-14M-115	1190-14M-170
90	1260-14M-40	1260-14M-55	1260-14M-85	1260-14M-115	1260-14M-170
92	1288-14M-40	1288-14M-55	1288-14M-85	1288-14M-115	1288-14M-170
96	1344-14M-40	1344-14M-55	1344-14M-85	1344-14M-115	1344-14M-170
100	1400-14M-40	1400-14M-55	1400-14M-85	1400-14M-115	1400-14M-170
103	1442-14M-40	1442-14M-55	1442-14M-85	1442-14M-115	1442-14M-170
112	1568-14M-40	1568-14M-55	1568-14M-85	1568-14M-115	1568-14M-170
115	1610-14M-40	1610-14M-55	1610-14M-85	1610-14M-115	1610-14M-170
126	1764-14M-40	1764-14M-55	1764-14M-85	1764-14M-115	1764-14M-170
127	1778-14M-40	1778-14M-55	1778-14M-85	1778-14M-115	1778-14M-170
132	1848-14M-40	1848-14M-55	1848-14M-85	1848-14M-115	1848-14M-170
135	1890-14M-40	1890-14M-55	1890-14M-85	1890-14M-115	1890-14M-170
136	1904-14M-40	1904-14M-55	1904-14M-85	1904-14M-115	1904-14M-170
140	1960-14M-40	1960-14M-55	1960-14M-85	1960-14M-115	1960-14M-170
150	2100-14M-40	2100-14M-55	2100-14M-85	2100-14M-115	2100-14M-170
160	2240-14M-40	2255-14M-55	2240-14M-85	2240-14M-115	2240-14M-170
165	2310-14M-40	2310-14M-55	2310-14M-85	2310-14M-115	2310-14M-170
170	2380-14M-40	2380-14M-55	2380-14M-85	2380-14M-115	2380-14M-170
175	2450-14M-40	2450-14M-55	2450-14M-85	2450-14M-115	2450-14M-170
185	2590-14M-40	2590-14M-55	2590-14M-85	2590-14M-115	2590-14M-170
190	2660-14M-40	2660-14M-55	2660-14M-85	2660-14M-115	2660-14M-170
200	2800-14M-40	2800-14M-55	2800-14M-85	2800-14M-115	2800-14M-170
225	3150-14M-40	3150-14M-55	3150-14M-85	3150-14M-115	3150-14M-170
240	3360-14M-40	3360-14M-55	3360-14M-85	3360-14M-115	3360-14M-170
250	3500-14M-40	3500-14M-55	3500-14M-85	3500-14M-115	3500-14M-170
275	3850-14M-40	3850-14M-55	3850-14M-85	3850-14M-115	3850-14M-170
280	3920-14M-40	3920-14M-55	3920-14M-85	3920-14M-115	3920-14M-170
309	4326-14M-40	4326-14M-55	4326-14M-85	4326-14M-115	4326-14M-170
327	4578-14M-40	4578-14M-55	4578-14M-85	4578-14M-115	4578-14M-170