

Timing Belts

MEDWAY

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MARYLAND METRICS

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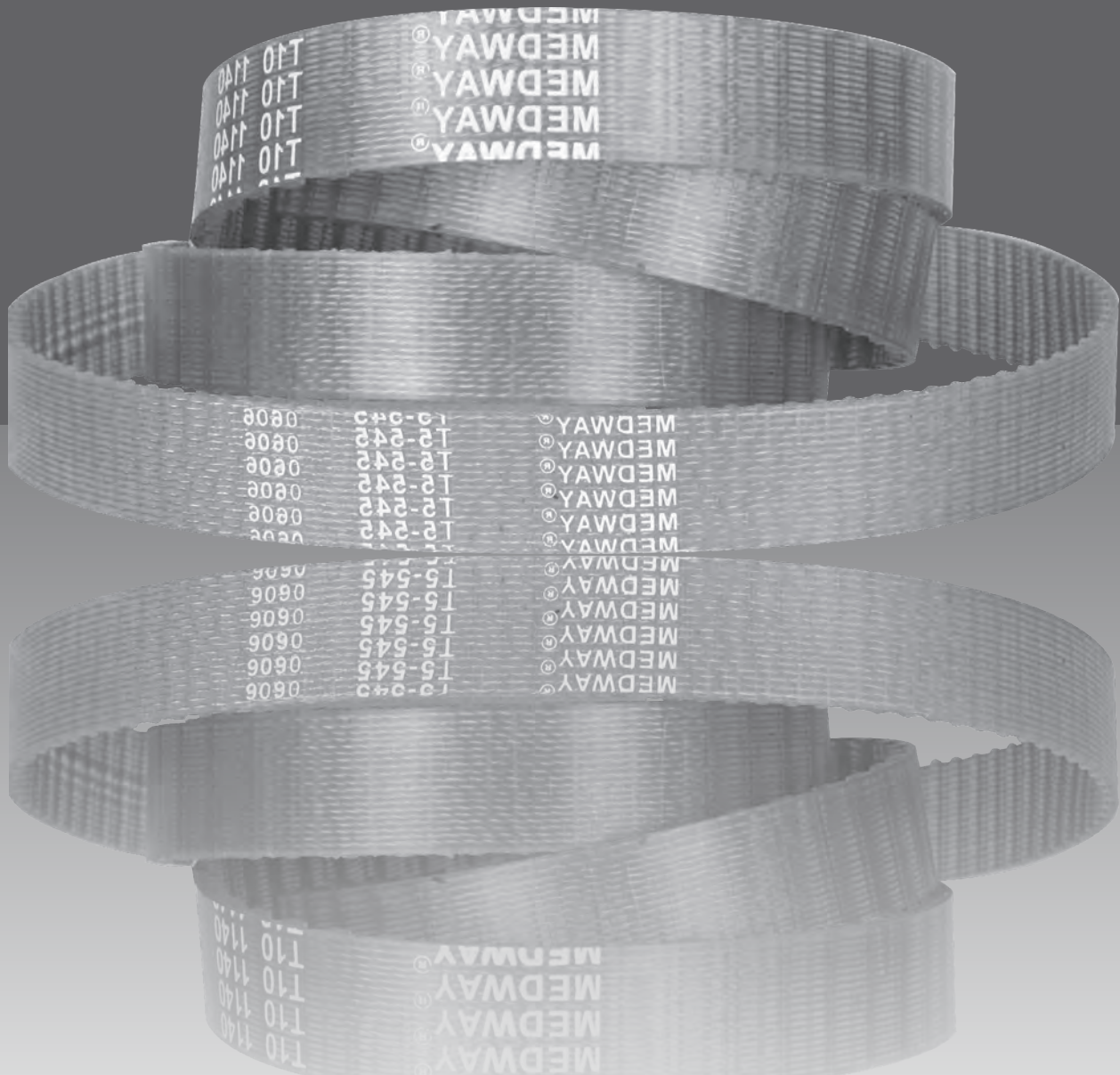
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MEDWAY®

MEDWAY®

Timing Belts Imperial

Product Description

The **MEDWAY®** classical timing belt (synchronous) has a trapezoidal tooth profile providing a positive drive by the meshing of belt teeth with the grooves of a relating timing belt pulley.

Construction and Features

- The glass fibre tensile member provides high strength to transmit tensile forces and withstand shock loads with virtually no stretch.
- The abrasive resistant cover protects the teeth when in contact with the pulley and helps to reduce noise.
- The meshing of the teeth prevents belt slip and speed variations, thus ensuring perfect synchronisation and positive drive.

Applications

MEDWAY® timing belts have a wide ranger of applications from typewriters to heavy industrial machinery.

Standards

MEDWAY® classical timing belts conform to ISO5296, they meet ISO1813 for static conductivity and have an operating temperature range of -25°C - +100°C.

	XL	L	H	XH
Pitch p (mm)	5.080	9.525	12.700	22.225
Tooth height ht (mm)	1.27	1.91	2.29	6.35
Nominal height hs (mm)	2.3	3.5	4.0	11.4
Belt weight/1mm wide (g/m)	2.4	3.2	3.9	11.3
Min. pulley dia. (no of teeth)	10	10	14	18
Min. pitch dia (mm)	16.17	30.32	56.6	127.34

Width Code	025	037	050	075	100	150	200	300	400
(mm)	6.4	9.5	12.7	19.1	25.4	38.1	50.8	76.2	101.6
XL	X	X							
L			X	X	X				
H				X	X	X	X		
XH							X	X	X

MEDWAY®

Timing Belts Imperial

XL SECTION pitch = 5.08mm

PART NO.	Lp(mm)	TEETH	PART NO.	Lp(mm)	TEETH	PART NO.	Lp(mm)	TEETH
60XL	152.40	30	130XL	330.20	65	210XL	533.40	105
70XL	177.80	35	140XL	355.60	70	220XL	558.80	110
80XL	203.20	40	150XL	381.00	75	230XL	574.20	115
90XL	228.60	45	160XL	406.40	80	240XL	609.60	120
100XL	254.00	50	170XL	431.80	85	250XL	635.00	125
106XL	269.24	53	180XL	457.20	90	260XL	660.40	130
110XL	279.40	55	190XL	482.60	95			
120XL	304.80	60	200XL	508.00	100			

L SECTION pitch = 9.525mm

PART NO.	Lp(mm)	TEETH	PART NO.	Lp(mm)	TEETH	PART NO.	Lp(mm)	TEETH
124L	314.96	33	270L	685.80	72	420L	1066.80	112
150L	381.00	40	285L	723.90	76	450L	1143.00	120
187L	474.98	50	300L	762.00	80	480L	1219.20	128
210L	533.40	56	322L	817.88	86	510L	1295.40	136
225L	571.50	60	345L	876.30	92	540L	1371.60	144
250L	609.60	64	367L	932.18	98	600L	1524.00	160
255L	647.70	68	390L	990.60	104			

PART NO.	Lp(mm)	TEETH	PART NO.	Lp(mm)	TEETH	PART NO.	Lp(mm)	TEETH
240H	609.60	48	510H	1295.40	102	850H	2159.00	170
270H	685.80	54	540H	1371.60	108	900H	2286.00	180
300H	762.00	60	570H	1447.80	114	1000H	2540.00	200
330H	838.20	66	600H	1525.00	120	1100H	2794.00	220
360H	914.40	72	630H	1600.00	126	1250H	3175.00	250
390H	990.60	68	660H	1676.40	132	1400H	3556.00	280
420H	1066.80	84	700H	1778.00	140	1700H	4318.00	340
450H	1143.00	90	750H	1905.00	150			
480H	1219.20	96	800H	2035.00	160			

XH SECTION pitch = 22.225mm

PART NO.	Lp(mm)	TEETH	PART NO.	Lp(mm)	TEETH	PART NO.	Lp(mm)	TEETH
507XH	1287.78	58	770XH	1955.80	88	1260XH	3200.40	144
560XH	1422.40	64	840XH	2133.60	96	1400XH	3556.00	160
630XH	1600.20	72	980XH	2489.20	112	1540XH	3911.60	176
700XH	1778.00	80	1120XH	2844.80	128	1750XH	4445.00	200

MEDWAY®

Timing Belts Imperial

XL SECTION pitch = 5.08mm (Double Sided)

PART NO.	Lp(mm)	TEETH	PART NO.	Lp(mm)	TEETH	PART NO.	Lp(mm)	TEETH
150XL-DD	381.00	75	190XL-DD	482.60	95	230XL-DD	584.20	115
160XL-DD	406.40	80	200XL-DD	508.00	100	240XL-DD	609.60	120
170XL-DD	431.80	85	210XL-DD	533.40	105	250XL-DD	635.00	125
180XL-DD	457.20	90	220XL-DD	558.80	110	260XL-DD	660.40	130

L SECTION pitch = 9.525mm (Double Sided)

PART NO.	Lp(mm)	TEETH	PART NO.	Lp(mm)	TEETH	PART NO.	Lp(mm)	TEETH
210L-DD	533.40	56	300L-DD	762.00	80	450L-DD	1143.00	120
225L-DD	571.50	60	322L-DD	817.88	86	480L-DD	1219.20	128
240L-DD	609.60	64	345L-DD	876.30	92	510L-DD	1295.40	136
255L-DD	647.70	68	367L-DD	932.18	98	540L-DD	1371.60	144
270L-DD	685.80	72	390L-DD	990.60	104	600L-DD	1524.00	160
285L-DD	723.90	76	420L-DD	1066.80	112			

H SECTION pitch = 12.7mm (Double Sided)

PART NO.	Lp(mm)	TEETH	PART NO.	Lp(mm)	TEETH	PART NO.	Lp(mm)	TEETH
360H-DD	914.40	72	570H-DD	1447.80	114	850H-DD	2159.00	170
390H-DD	990.60	78	600H-DD	1524.00	120	900H-DD	2286.00	180
420H-DD	1066.80	84	630H-DD	1600.20	126	1000H-DD	2540.00	200
450H-DD	1143.80	90	660H-DD	1676.40	132	1100H-DD	2794.00	220
480H-DD	1219.00	96	700H-DD	1778.00	140	1250H-DD	3175.00	250
510H-DD	1295.40	102	750H-DD	1905.00	150	1400H-DD	3556.00	280
540H-DD	1371.60	108	800H-DD	2032.00	160	1700H-DD	4318.00	340

MEDWAY®

Timing Belts HTP

Product Description

The **MEDWAY®** HTP (High Torque Power) timing belt (synchronous) has a curved tooth profile providing a positive drive by the meshing of belt teeth with the grooves of a relating timing belt pulley.

Construction and Features

- The glass fibre tensile member provides high strength to transmit tensile forces and withstand shock loads with virtually no stretch.
- The abrasive resistant cover protects the teeth when in contact with the pulley and helps to reduce noise.
- The meshing of the teeth prevents belt slip and speed variations, thus ensuring perfect synchronisation and positive drive.

Applications

MEDWAY® timing belts HTP have a wide range of applications from typewriters to heavy industrial machinery.

Standards

MEDWAY® timing belts HTP conform to ISO13050, they meet ISO1813 for static conductivity and have an operating temperature range of -25°C - +100°C.

	3M	5M	8M	14M
Pitch p (mm)	3	5	8	14
Tooth height ht (mm)	1.2	2.4	3.4	6.1
Nominal height hs (mm)	2.4	3.8	5.6	10
Min. pulley dia. (no of teeth)	10	12	22	28
Min. pitch dia (mm)	9.55	19.10	56.02	124.78

Width Code	06	09	15	20	25	30	40	50	55	85	115	
(mm)	6	9	15	20	25	30	40	50	55	85	115	170
3M	X	X	X									
5M		X	X		X							
8M				X		X		X		X		
14M							X		X	X	X	X

MEDWAY®

Timing Belts HTP

3M SECTION pitch = 3.0mm

PART NO. (Lp)	TEETH	PART NO. (Lp)	TEETH	PART NO. (Lp)	TEETH
150-3M	50	288-3M	96	357-3M	119
159-3M	53	291-3M	97	384-3M	128
210-3M	70	300-3M	100	420-3M	140
225-3M	75	306-3M	102	447-3M	149
255-3M	85	312-3M	104	513-3M	171
267-3M	89	318-3M	106	531-3M	177
285-3M	95	345-3M	115	564-3M	188

5M SECTION pitch = 5.0mm

PART NO. (Lp)	TEETH	PART NO. (Lp)	TEETH	PART NO. (Lp)	TEETH
280-5M	56	520-5M	104	860-5M	172
300-5M	60	525-5M	105	890-5M	178
305-5M	61	535-5M	107	900-5M	180
340-5M	68	550-5M	110	950-5M	190
350-5M	70	600-5M	120	1000-5M	200
365-5M	73	635-5M	127	1050-5M	210
375-5M	75	670-5M	134	1125-5M	225
400-5M	80	700-5M	140	1350-5M	270
425-5M	85	740-5M	148	1420-5M	284
450-5M	90	750-5M	150	1790-5M	358
475-5M	95	800-5M	160		
500-5M	100	835-5M	167		

8M SECTION pitch = 8.0mm

PART NO. (Lp)	TEETH	PART NO. (Lp)	TEETH	PART NO. (Lp)	TEETH
480-8M	60	960-8M	120	1760-8M	220
560-8M	70	1000-8M	125	1800-8M	225
600-8M	75	1040-8M	130	2000-8M	250
640-8M	80	1120-8M	140	2400-8M	300
680-8M	85	1200-8M	150	2600-8M	325
720-8M	90	1280-8M	160	2800-8M	350
800-8M	100	1360-8M	170	3048-8M	381
840-8M	105	1440-8M	180		
880-8M	110	1600-8M	200		

14M SECTION pitch = 14.0mm

PART NO. (Lp)	TEETH	PART NO. (Lp)	TEETH	PART NO. (Lp)	TEETH
966-14M	69	1890-14M	135	2800-14M	200
1190-14M	85	2100-14M	150	3150-14M	225
1400-14M	100	2310-14M	165	3500-14M	250
1610-14M	115	2450-14M	175		
1778-14M	127	2590-14M	185		

MEDWAY®

Timing Belts HTP

8M SECTION pitch = 8.0mm (Double Sided)

PART NO. (Lp)	TEETH	PART NO. (Lp)	TEETH	PART NO. (Lp)	TEETH
480-8MDD	60	880-8MDD	110	1440-8MDD	180
560-8MDD	70	1000-8MDD	120	1600-8MDD	200
600-8MDD	75	1000-8MDD	125	1760-8MDD	220
640-8MDD	80	1040-8MDD	130	1800-8MDD	225
680-8MDD	85	1120-8MDD	140	2000-8MDD	250
720-8MDD	90	1200-8MDD	150	2400-8MDD	300
800-8MDD	100	1280-8MDD	160	2600-8MDD	325
840-8MDD	105	1360-8MDD	170	2800-8MDD	350

14M SECTION pitch = 14.0mm (Double Sided)

PART NO. (Lp)	TEETH	PART NO. (Lp)	TEETH	PART NO. (Lp)	TEETH
480-8MDD	60	880-8MDD	110	1440-8MDD	180
560-8MDD	70	1000-8MDD	120	1600-8MDD	200
600-8MDD	75	1000-8MDD	125	1760-8MDD	220
640-8MDD	80	1040-8MDD	130	1800-8MDD	225
680-8MDD	85	1120-8MDD	140	2000-8MDD	250
720-8MDD	90	1200-8MDD	150	2400-8MDD	300
800-8MDD	100	1280-8MDD	160	2600-8MDD	325
840-8MDD	105	1360-8MDD	170	2800-8MDD	350

MEDWAY®

Timing Belts Metric

Product Description

The **MEDWAY®** metric timing belt (synchronous) is produced from a tough and flexible polyurethane compound that provides a positive drive by the meshing of belt teeth with the grooves of a relating timing belt pulley.

Construction and Features

- The steel tensile member provides high strength to transmit tensile forces and withstand shock loads with virtually no stretch.
- Linear speeds of up to 75m/sec can be achieved.
- The meshing of the teeth prevents belt slip and speed variations, thus ensuring perfect synchronisation and positive drive.

Applications

MEDWAY® metric timing belts have a wide range of applications from typewriters to heavy industrial machinery.

Standards

MEDWAY® metric timing belts conform to ISO13050, they meet ISO1813 for static conductivity and have an operating temperature range of -25°C - +100°C.

	T2.5	T5	T10	AT5	AT10
Pitch p (mm)	2.5	5	10	5	10
Tooth height h (mm)	0.7	1.2	2.5	1.2	2.5
Belt height hs (mm)	1.3	2.2	4.5	2.7	5.0
Min. pulley diameter (teeth)	10	10	12	12	12
Min. pitch diameter. (mm)	7.95	15.91	38.19	19.09	38.19

Width Code	4	6	8	10	12	16	20	25	32	50
(mm)	4	6	8	10	12	16	20	25	32	50
T2.5	X	X	X	X	X					
T5		X	X	X	X	X	X	X		
T10				X	X	X	X	X	X	X
DL-T5		X	X	X	X	X	X	X	X	
DL-T10				X	X	X	X	X	X	X
AT5				X		X		X	X	X
AT5				X		X		X	X	X

MEDWAY®

Timing Belts Metric

T2.5 SECTION pitch = 2.5mm

PART NO.	TEETH	PART NO.	TEETH	PART NO.	TEETH
T2.5-120	48	T2.5-285	114	T2.5-600	240
T2.5-145	58	T2.5-290	116	T2.5-620	248
T2.5-160	64	T2.5-305	122	T2.5-650	260
T2.5-177.5	71	T2.5-317.5	127	T2.5-680	272
T2.5-180	72	T2.5-330	132	T2.5-780	312
T2.5-200	80	T2.5-380	152	T2.5-880	352
T2.5-230	92	T2.5-420	168	T2.5-915	366
T2.5-245	98	T2.5-480	192	T2.5-950	380
T2.5-265	106	T2.5-500	200	T2.5-1185	474

T5 SECTION pitch = 5.0mm

PART NO.	INTERNAL Li (mm)	PART NO.	INTERNAL Li (mm)	PART NO.	INTERNAL Li (mm)
T5-120	24	T5-400	80	T5-720	144
T5-150	30	T5-410	82	T5-750	150
T5-185	37	T5-420	84	T5-780	156
T5-200	40	T5-455	91	T5-815	163
T5-210	42	T5-460	92	T5-830	166
T5-215	43	T5-475	95	T5-840	168
T5-220	44	T5-480	96	T5-885	177
T5-225	45	T5-500	100	T5-900	180
T5-245	49	T5-510	102	T5-940	188
T5-250	50	T5-525	105	T5-990	198
T5-255	51	T5-545	109	T5-1075	215
T5-260	52	T5-550	110	T5-1100	220
T5-270	54	T5-560	112	T5-1160	232
T5-280	56	T5-575	115	T5-1200	240
T5-295	59	T5-590	118	T5-1215	243
T5-305	61	T5-610	122	T5-1275	253
T5-330	66	T5-620	124	T5-1280	254
T5-340	68	T5-630	126	T5-1315	263
T5-350	70	T5-650	130	T5-1355	271
T5-365	73	T5-660	132	T5-1380	276
T5-390	78	T5-690	138	T5-1955	391

T10 SECTION pitch = 10.0mm

PART NO.	INTERNAL Li (mm)	PART NO.	INTERNAL Li (mm)	PART NO.	INTERNAL Li (mm)
T10-260	26	T10-730	73	T10-1240	124
T10-370	37	T10-750	75	T10-1250	1250
T10-390	39	T10-780	78	T10-1300	130
T10-400	40	T10-810	81	T10-1320	132
T10-410	41	T10-840	84	T10-1350	135
T10-440	44	T10-880	88	T10-1390	139
T10-480	48	T10-890	89	T10-1400	140
T10-500	50	T10-900	90	T10-1420	142
T10-530	53	T10-920	92	T10-1460	146
T10-560	56	T10-960	96	T10-1500	150
T10-600	60	T10-970	97	T10-1560	156
T10-610	61	T10-980	98	T10-1610	161
T10-630	63	T10-1010	101	T10-1750	175
T10-660	66	T10-1080	108	T10-1780	178
T10-680	68	T10-1110	111	T10-1880	188
T10-690	69	T10-1140	114	T10-1960	196
T10-700	70	T10-1150	115	T10-2250	225
T10-720	72	T10-1210	121		

MEDWAY®

Timing Belts Metric

T5 SECTION pitch = 5.0mm (Double Sided)

PART NO.	TEETH	PART NO.	TEETH	PART NO.	TEETH
T5-410-DL	82	T5-620-DL	124	T5-860-DL	172
T5-460-DL	92	T5-750-DL	150	T5-940-DL	188
T5-590-DL	118	T5-815-DL	163	T5-1100-DL	220

T10 SECTION pitch = 10.0mm (Double Sided)

PART NO.	INTERNAL Li (mm)	PART NO.	INTERNAL Li (mm)	PART NO.	INTERNAL Li (mm)
T10-260-DL	26	T10-840-DL	84	T10-1320-DL	132
T10-530-DL	53	T10-980-DL	98	T10-1350-DL	135
T10-630-DL	63	T10-1210-DL	121	T10-1420-DL	142
T10-660-DL	66	T10-1240-DL	124	T10-1610-DL	161
T10-720-DL	72	T10-1250-DL	125	T10-1880-DL	188

AT5 SECTION pitch = 5.0mm

PART NO.	INTERNAL Li (mm)	PART NO.	INTERNAL Li (mm)	PART NO.	INTERNAL Li (mm)
AT5-225	45	AT5-455	91	AT5-780	156
AT5-255	51	AT5-500	100	AT5-825	165
AT5-275	55	AT5-545	109	AT5-860	172
AT5-280	56	AT5-600	120	AT5-975	175
AT5-300	60	AT5-610	122	AT5-1050	210
AT5-330	66	AT5-630	126	AT5-1125	225
AT5-340	68	AT5-660	132	AT5-1500	300
AT5-375	75	AT5-710	142	AT5-2000	400
AT5-390	78	AT5-720	144		
AT5-420	84	AT5-750	150		

AT10 SECTION pitch = 10.0mm

PART NO.	INTERNAL Li (mm)	PART NO.	INTERNAL Li (mm)	PART NO.	INTERNAL Li (mm)
AT10-500	50	AT10-980	98	AT10-1350	135
AT10-560	56	AT10-1000	100	AT10-1360	136
AT10-610	61	AT10-1010	101	AT10-1400	140
AT10-660	66	AT10-1050	105	AT10-1420	142
AT10-700	70	AT10-1080	108	AT10-1480	148
AT10-730	73	AT10-1100	110	AT10-1500	150
AT10-780	78	AT10-1150	115	AT10-1600	160
AT10-800	80	AT10-1200	120	AT10-1700	170
AT10-810	81	AT10-1210	121	AT10-1720	172
AT10-840	84	AT10-1220	122	AT10-1800	180
AT10-880	88	AT10-1250	125	AT10-1860	186
AT10-890	89	AT10-1280	128	AT10-1940	194
AT10-920	92	AT10-1300	130		
AT10-960	96	AT10-1320	132		

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