

Super High Torque Timing Belts

MTS8M, UP5M, UP8M Type

Feature: Having nearly doubled transmission capacity compared to standard timing belts, higher-load transmission and limited space design can be realized.

Super High Torque Timing Belts – MTS8M, UP5M, UP8M Type

HTBN MTS8M

PTBN UP5M, UP8M

Features and Cautions P.1339

Selecting Method P.3970

Type	Material
(1) Rubber	High Hardness Synthetic Rubber Hardness 88°
(2) Core Wire	Glass Core Wire
(3) Cloth	Nylon Cloth

Operating Temperature: -30~90°C

Applicable to the Timing Pulley S8M type. P.1368

Backside color of MTS8M is black.

Type	Material
(1) Rubber	UP5M: Chloroprene Rubber (black) UP8M: High Intensity Synthetic rubber (blue)
(2) Core Wire	Glass Core Wire
(3) Cloth	Nylon Cloth

Operating Temperature: -15~80°C

Applicable to Timing Pulleys P5M and P8M types. P.1376~1378.

Type	Pitch	ℓ	H	h	i	PLD	Unit Mass g/m (Width: 10 mm)
MTS8M	8	5.2	5.3	3.05	2.25	0.686	45.0

Type	Pitch	ℓ	H	h	i	PLD	Unit Mass g/m (Width: 10 mm)
UP5M	5	3.25	3.60	1.81	1.79	0.571	41.0
UP8M	8	5.2	5.20	2.90	2.30	0.686	50.8

Type MTS8M Pitch: 8 mm

Type	Part Number	Belt No.	Belt Nominal Width	Teeth	Belt Circum. Length (mm)
HTBN Rubber	528-MTS8M	528	150	66	528
HTBN Rubber	560-MTS8M	560	150	70	560
HTBN Rubber	584-MTS8M	584	150	73	584
HTBN Rubber	600-MTS8M	600	150	75	600
HTBN Rubber	632-MTS8M	632	150	79	632
HTBN Rubber	640-MTS8M	640	150	80	640
HTBN Rubber	656-MTS8M	656	150	82	656
HTBN Rubber	712-MTS8M	712	150	89	712
HTBN Rubber	720-MTS8M	720	150	90	720
HTBN Rubber	760-MTS8M	760	150	95	760
HTBN Rubber	800-MTS8M	800	150	100	800
HTBN Rubber	824-MTS8M	824	150	103	824
HTBN Rubber	848-MTS8M	848	150	106	848
HTBN Rubber	856-MTS8M	856	150	107	856
HTBN Rubber	880-MTS8M	880	150	110	880
HTBN Rubber	896-MTS8M	896	150	112	896
HTBN Rubber	920-MTS8M	920	150	115	920
HTBN Rubber	928-MTS8M	928	150	116	928
HTBN Rubber	944-MTS8M	944	150	118	944
HTBN Rubber	960-MTS8M	960	150	120	960
HTBN Rubber	976-MTS8M	976	150	122	976
HTBN Rubber	1000-MTS8M	1000	150	125	1000
HTBN Rubber	1024-MTS8M	1024	150	128	1024
HTBN Rubber	1056-MTS8M	1056	150	132	1056
HTBN Rubber	1080-MTS8M	1080	150	135	1080
HTBN Rubber	1120-MTS8M	1120	250	140	1120
HTBN Rubber	1136-MTS8M	1136	250	142	1136
HTBN Rubber	1152-MTS8M	1152	250	144	1152
HTBN Rubber	1160-MTS8M	1160	300	145	1160
HTBN Rubber	1200-MTS8M	1200	300	150	1200
HTBN Rubber	1216-MTS8M	1216	400	152	1216
HTBN Rubber	1248-MTS8M	1248	400	156	1248
HTBN Rubber	1280-MTS8M	1280	400	160	1280
HTBN Rubber	1304-MTS8M	1304	400	163	1304
HTBN Rubber	1320-MTS8M	1320	400	165	1320
HTBN Rubber	1352-MTS8M	1352	400	169	1352
HTBN Rubber	1360-MTS8M	1360	400	170	1360
HTBN Rubber	1400-MTS8M	1400	400	175	1400
HTBN Rubber	1440-MTS8M	1440	400	180	1440
HTBN Rubber	1480-MTS8M	1480	400	185	1480
HTBN Rubber	1520-MTS8M	1520	400	190	1520
HTBN Rubber	1600-MTS8M	1600	400	200	1600
HTBN Rubber	1640-MTS8M	1640	400	205	1640
HTBN Rubber	1680-MTS8M	1680	400	210	1680
HTBN Rubber	1696-MTS8M	1696	400	212	1696
HTBN Rubber	1760-MTS8M	1760	400	220	1760
HTBN Rubber	1792-MTS8M	1792	400	224	1792
HTBN Rubber	1800-MTS8M	1800	400	225	1800
HTBN Rubber	1880-MTS8M	1880	400	235	1880
HTBN Rubber	1960-MTS8M	1960	400	245	1960
HTBN Rubber	2000-MTS8M	2000	400	250	2000
HTBN Rubber	2064-MTS8M	2064	400	258	2064
HTBN Rubber	2400-MTS8M	2400	400	300	2400
HTBN Rubber	2600-MTS8M	2600	400	325	2600
HTBN Rubber	2800-MTS8M	2800	400	350	2800

Type UP5M Pitch: 5mm

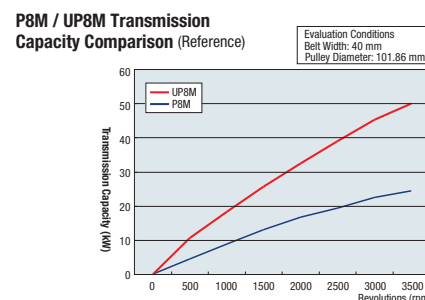
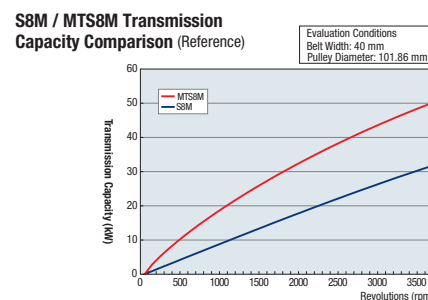
Type	Part Number	Belt No.	Belt Nominal Width	Teeth	Belt Circum. Length (mm)
PTBN Rubber	215-UP5M	215	100	43	215
PTBN Rubber	225-UP5M	225	100	45	225
PTBN Rubber	255-UP5M	255	100	51	255
PTBN Rubber	260-UP5M	260	100	52	260
PTBN Rubber	275-UP5M	275	100	55	275
PTBN Rubber	295-UP5M	295	100	59	295
PTBN Rubber	300-UP5M	300	100	60	300
PTBN Rubber	310-UP5M	310	100	62	310
PTBN Rubber	320-UP5M	320	100	64	320
PTBN Rubber	325-UP5M	325	100	65	325
PTBN Rubber	340-UP5M	340	100	68	340
PTBN Rubber	350-UP5M	350	100	70	350
PTBN Rubber	370-UP5M	370	100	74	370
PTBN Rubber	375-UP5M	375	100	75	375
PTBN Rubber	400-UP5M	400	100	80	400
PTBN Rubber	420-UP5M	420	100	84	420
PTBN Rubber	425-UP5M	425	100	85	425
PTBN Rubber	430-UP5M	430	100	86	430
PTBN Rubber	440-UP5M	440	100	88	440
PTBN Rubber	450-UP5M	450	100	90	450
PTBN Rubber	475-UP5M	475	100	95	475
PTBN Rubber	490-UP5M	490	100	98	490
PTBN Rubber	500-UP5M	500	100	100	500
PTBN Rubber	515-UP5M	515	150	103	515
PTBN Rubber	520-UP5M	520	150	104	520
PTBN Rubber	525-UP5M	525	150	105	525
PTBN Rubber	530-UP5M	530	150	106	530
PTBN Rubber	550-UP5M	550	150	110	550
PTBN Rubber	560-UP5M	560	150	112	560
PTBN Rubber	575-UP5M	575	150	115	575
PTBN Rubber	595-UP5M	595	150	119	595
PTBN Rubber	600-UP5M	600	150	120	600
PTBN Rubber	605-UP5M	605	150	121	605
PTBN Rubber	635-UP5M	635	150	127	635
PTBN Rubber	650-UP5M	650	150	130	650
PTBN Rubber	670-UP5M	670	150	134	670
PTBN Rubber	675-UP5M	675	150	135	675
PTBN Rubber	690-UP5M	690	150	138	690
PTBN Rubber	725-UP5M	725	150	145	725
PTBN Rubber	740-UP5M	740	150	148	740
PTBN Rubber	750-UP5M	750	150	150	750
PTBN Rubber	780-UP5M	780	150	156	780
PTBN Rubber	800-UP5M	800	150	160	800
PTBN Rubber	835-UP5M	835	150	167	835
PTBN Rubber	850-UP5M	850	150	170	850
PTBN Rubber	900-UP5M	900	150	180	900
PTBN Rubber	1000-UP5M	1000	150	200	1000
PTBN Rubber	1050-UP5M	1050	150	210	1050

Type UP8M Pitch: 8 mm

Type	Part Number	Belt No.	Belt Nominal Width	Teeth	Belt Circum. Length (mm)
PTBN Rubber	480-UP8M	480	150	60	480
PTBN Rubber	512-UP8M	512	150	64	512
PTBN Rubber	520-UP8M	520	150	65	520
PTBN Rubber	536-UP8M	536	150	67	536
PTBN Rubber	560-UP8M	560	150	70	560
PTBN Rubber	584-UP8M	584	150	73	584
PTBN Rubber	600-UP8M	600	150	75	600
PTBN Rubber	632-UP8M	632	150	79	632
PTBN Rubber	640-UP8M	640	150	80	640
PTBN Rubber	680-UP8M	680	150	85	680
PTBN Rubber	712-UP8M	712	150	89	712
PTBN Rubber	720-UP8M	720	150	90	720
PTBN Rubber	760-UP8M	760	150	95	760
PTBN Rubber	800-UP8M	800	150	100	800
PTBN Rubber	832-UP8M	832	150	104	832
PTBN Rubber	840-UP8M	840	150	105	840
PTBN Rubber	856-UP8M	856	150	107	856
PTBN Rubber	880-UP8M	880	150	110	880
PTBN Rubber	960-UP8M	960	150	120	960
PTBN Rubber	1040-UP8M	1040	150	130	1040
PTBN Rubber	1080-UP8M	1080	150	135	1080

Part Number Example

Part Number
 HTBN 1800-MTS8M 400
 PTBN 960-UP8M 250



Timing Belts

T5, T10 Type

For Long Timing Belts No. of Teeth Configurable Type, refer to P.1444.

Timing Belts – T5, T10 Type

RoHS 10

TTBU

Selecting Method P.3970

Material	
(1) Body	Polyurethane
(2) Core Wire	Steel Cord

Cannot be used with tension from back side.

Operating Temperature: 0~80°C

Type	Pitch	H	h	L	Unit Mass g/m (Width: 10 mm)
T5	5	2.2	1.2	1.8	20.0
T10	10	4.5	2.5	3.5	42.0

Type T5 Pitch: 5 mm

Type	Part Number	Belt No.	Belt Nominal Width	Teeth	Belt Circum. Length (mm)
TTBU	185T5	185	100	37	185
TTBU	200T5	200	100	40	200
TTBU	225T5	225	100	45	225
TTBU	250T5	250	100	50	250
TTBU	275T5	275	100	55	275
TTBU	280T5	280	100	56	280
TTBU	295T5	295	100	59	295
TTBU	300T5	300	100	60	300
TTBU	325T5	325	100	65	325
TTBU	350T5	350	100	70	350
TTBU	375T5	375	100	75	375
TTBU	400T5	400	100	80	400
TTBU	425T5	425	100	85	425
TTBU	440T5	440	100	88	440
TTBU	450T5	450	100	90	450
TTBU	475T5	475	100	95	475
TTBU	500T5	500	100	100	500
TTBU	525T5	525	100	105	525
TTBU	550T5	550	100	110	550
TTBU	575T5	575	100	115	575
TTBU	590T5	590	100	118	590
TTBU	600T5	600	100	120	600
TTBU	625T5	625	100	125	625
TTBU	630T5	630	100	126	630
TTBU	650T5	650	100	130	650
TTBU	675T5	675	100	135	675
TTBU	690T5	690	100	138	690
TTBU	700T5	700	100	140	700
TTBU	725T5	725	100	145	725
TTBU	750T5	750	100	150	750
TTBU	780T5	780	100	156	780
TTBU	800T5	800	100	160	800
TTBU	850T5	850	100	170	850
TTBU	900T5	900	100	180	900
TTBU	1000T5	1000	100	200	1000
TTBU	1075T5	1075	100	215	1075
TTBU	1090T5	1090	100	218	1090
TTBU	1100T5	1100	100	220	1100
TTBU	1115T5	1115	100	223	1115
TTBU	1215T5	1215	100	243	1215
TTBU	1350T5	1350	100	270	1350
TTBU	1380T				