

Super High Torque Timing Belts (MTS8M, UP5M, UP8M)

Timing Belts (T5, T10)

- **Features:** Having nearly doubled transmission capacity compared to standard timing belts, higher-load transmission and space-saving design can be realized.
- Super High Torque Timing Belt MTS8M is compatible with Super High Torque Timing Pulley S8M on **P.1403**. UP5M/UP8M is compatible with P5M/P8M on **P.1411~P.1414**.

HTBN (MTS8M)

① Belt Circumference Length is the length of Core Wire.
 ② Features and Cautions **P.1375**
 ③ Selection Method **P.2253**

Type	Material
HTBN	① Rubber: High Hardness Synthetic Rubber: Hardness 80° ② Core Wire: Glass Core Wire ③ Cloth: Nylon Cloth

Operating Temp.: -30~90°C
 Applicable to the Timing Pulley S8M. **P.1403**
 Backside color of MTS8M is black.

PTBN (UP5M, UP8M)

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

Operating Temp.: -15~80°C
 Applicable to Timing Pulleys P5M and P8M. **P.1411~P.1414**

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

- Timing Belt T5 is compatible with Timing Pulley T5 on **P.1417** and Timing Belt T10 is compatible with Timing Pulley T10 on **P.1419**.

TTBU

Material	
① Main Body	Polyurethane
② Core Wire	Steel Cord

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

Operating Temp.: 0~80°C
 Belt Circumference Length is the length of Core Wire.
 Cannot be used with tension from back side.
 How to select products. **P.2253**.

■ Type: MTS8M (Pitch: 8mm)

Type	Part Number	Belt Number	Belt Nominal Width	Number of Teeth	Belt Circumference Length (mm)	Unit Price				
						150	250	300	400	450
HTBN (Rubber)	528-MTS8M	528	66	528	70					
	560-MTS8M	560	70	560	73					
	584-MTS8M	584	73	584	75					
	600-MTS8M	600	75	600	79					
	632-MTS8M	632	79	632	80					
	640-MTS8M	640	80	640	82					
	656-MTS8M	656	82	656	89					
	712-MTS8M	712	89	712	90					
	720-MTS8M	720	90	720	95					
	760-MTS8M	760	95	760	100					
	800-MTS8M	800	100	800	103					
	824-MTS8M	824	103	824	106					
	848-MTS8M	848	106	848	107					
	856-MTS8M	856	107	856	110					
	880-MTS8M	880	110	880	112					
	896-MTS8M	896	112	896	115					
	920-MTS8M	920	115	920	116					
	928-MTS8M	928	116	928	118					
	944-MTS8M	944	118	944	120					
	960-MTS8M	960	120	960	122					
	976-MTS8M	976	122	976	125					
	1000-MTS8M	1000	125	1000	128					
	1024-MTS8M	1024	128	1024	132					
	1056-MTS8M	1056	132	1056	135					
	1080-MTS8M	1080	135	1080	140					
	1120-MTS8M	1120	140	1120	144					
	1152-MTS8M	1152	144	1152	145					
	1160-MTS8M	1160	145	1160	150					
1200-MTS8M	1200	150	1200	152						
1216-MTS8M	1216	152	1216	156						
1248-MTS8M	1248	156	1248	160						
1280-MTS8M	1280	160	1280	163						
1304-MTS8M	1304	163	1304	165						
1320-MTS8M	1320	165	1320	169						
1352-MTS8M	1352	169	1352	170						
1360-MTS8M	1360	170	1360	175						
1400-MTS8M	1400	175	1400	185						
1480-MTS8M	1480	185	1480	190						
1520-MTS8M	1520	190	1520	200						
1600-MTS8M	1600	200	1600	205						
1640-MTS8M	1640	205	1640	210						
1680-MTS8M	1680	210	1680	220						
1760-MTS8M	1760	220	1760	225						
1800-MTS8M	1800	225	1800	235						
1880-MTS8M	1880	235	1880	245						
1960-MTS8M	1960	245	1960	250						
2000-MTS8M	2000	250	2000	258						
2064-MTS8M	2064	258	2064	300						
2400-MTS8M	2400	300	2400	325						
2600-MTS8M	2600	325	2600	350						
2800-MTS8M	2800	350	2800							

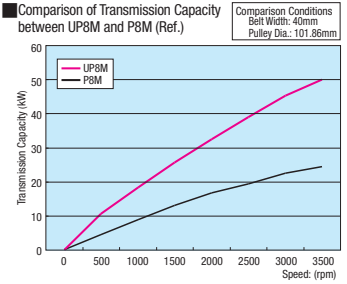
■ Type: UP5M (Pitch: 5mm)

Type	Part Number	Belt Number	Belt Nominal Width	Number of Teeth	Belt Circumference Length (mm)	Unit Price 1 - 4 pcs.	
						100	150
PTBN (Rubber)	215-UP5M	215	43	215	45		
	225-UP5M	225	45	225	51		
	255-UP5M	255	51	255	52		
	260-UP5M	260	52	260	55		
	275-UP5M	275	55	275	59		
	295-UP5M	295	59	295	60		
	300-UP5M	300	60	300	62		
	310-UP5M	310	62	310	64		
	320-UP5M	320	64	320	65		
	325-UP5M	325	65	325	68		
	340-UP5M	340	68	340	70		
	350-UP5M	350	70	350	74		
	370-UP5M	370	74	370	75		
	375-UP5M	375	75	375	80		
	400-UP5M	400	80	400	84		
	420-UP5M	420	84	420	85		
	425-UP5M	425	85	425	86		
	430-UP5M	430	86	430	88		
	440-UP5M	440	88	440	90		
	450-UP5M	450	90	450	95		
	475-UP5M	475	95	475	98		
	490-UP5M	490	98	490	100		
	500-UP5M	500	100	500	103		
	515-UP5M	515	103	515	104		
	520-UP5M	520	104	520	105		
	525-UP5M	525	105	525	106		
	530-UP5M	530	106	530	110		
	550-UP5M	550	110	550	112		
560-UP5M	560	112	560	115			
575-UP5M	575	115	575	119			
595-UP5M	595	119	595	120			
600-UP5M	600	120	600	121			
605-UP5M	605	121	605	127			
635-UP5M	635	127	635	130			
650-UP5M	650	130	650	134			
670-UP5M	670	134	670	135			
675-UP5M	675	135	675	138			
690-UP5M	690	138	690	145			
725-UP5M	725	145	725	148			
740-UP5M	740	148	740	150			
750-UP5M	750	150	750	156			
780-UP5M	780	156	780	160			
800-UP5M	800	160	800	167			
835-UP5M	835	167	835	170			
850-UP5M	850	170	850	180			
900-UP5M	900	180	900	200			
1000-UP5M	1000	200	1000	210			
1050-UP5M	1050	210	1050				

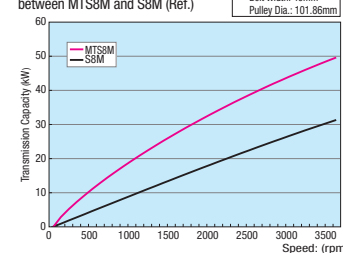
■ Type: UP8M (Pitch: 8mm)

Type	Part Number	Belt Number	Belt Nominal Width	Number of Teeth	Belt Circumference Length (mm)	Unit Price 1 - 4 pcs.	
						150	250
PTBN (Rubber)	480-UP8M	480	60	480	64		
	512-UP8M	512	64	512	65		
	520-UP8M	520	65	520	67		
	536-UP8M	536	67	536	70		
	560-UP8M	560	70	560	73		
	584-UP8M	584	73	584	75		
	600-UP8M	600	75	600	79		
	632-UP8M	632	79	632	80		
	640-UP8M	640	80	640	85		
	680-UP8M	680	85	680	89		
	712-UP8M	712	89	712	90		
	720-UP8M	720	90	720	95		
	760-UP8M	760	95	760	100		
	800-UP8M	800	100	800	104		
	832-UP8M	832	104	832	105		
	840-UP8M	840	105	840	107		
	856-UP8M	856	107	856	110		
	880-UP8M	880	110	880	120		
	960-UP8M	960	120	960	130		
	1040-UP8M	1040	130	1040	135		
	1080-UP8M	1080	135	1080			

For orders larger than indicated quantity, please request a quotation.



■ Comparison of Transmission Capacity between MTS8M and S8M (Ref.)



■ Type: T5 (Pitch: 5mm)

Type	Part Number	Belt Number	Belt Nominal Width	Number of Teeth	Belt Circumference Length (mm)	Unit Price			
						100	150	200	250
TTBU	185T5	185	37	185	40				
	200T5	200	40	200	45				
	225T5	225	45	225	50				
	250T5	250	50	250	55				
	275T5	275	55	275	56				
	280T5	280	56	280	59				
	295T5	295	59	295	60				
	300T5	300	60	300	65				
	325T5	325	65	325	70				
	350T5	350	70	350	75				
	375T5	375	75	375	80				
	400T5	400	80	400	85				
	425T5	425	85	425	88				
	440T5	440	88	440	90				
	450T5	450	90	450	95				
	475T5	475	95	475	100				
	500T5	500	100	500	105				
	525T5	525	105	525	110				
	550T5	550	110	550	115				
	575T5	575	115	575	118				
	590T5	590	118	590	120				
	600T5	600	120	600	125				
	625T5	625	125	625	126				
	630T5	630	126	630	130				
	650T5	650	130	650	135				
	675T5	675	135	675	138				
	690T5	690	138	690	140				
	700T5	700	140	700	145				
725T5	725	145	725	150					
750T5	750	150	750	156					
780T5	780	156	7						