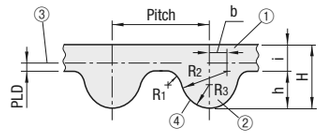
High Torque Timing Belts - 2GT, 3GT

■**Features:** Circular Tooth Profile Timing Belts with little backlash, suitable for positioning.
■2GT is applicable to High Torque Timing Pulleys 2GT on ☞ **P.1381**, while 3GT is applicable to High Torque Timing Pulleys 3GT on ☞ **P.1383**.



RoHS

GBN



Type	Material	
GBN	①Back Rubber	Chloroprene Rubber
	②Tooth Rubber	
	③Core Wire	Glass Fiber Cord
	④Tooth Fabric	Nylon Cloth

Type	Pitch	R_1	R_2	R_3	b	H	h	i	PLD	Unit Mass g/m (Width: 10mm)
2GT	2	0.15	1.00	0.555	0.40	1.38	0.75	0.63	0.254	13.0
3GT	3	0.25	1.52	0.85	0.61	2.40	1.14	1.26	0.381	25.0

Operating Temp.: -10~80°C (Reference Value)
Belt Circumference Length is the length of Core Wire.
Features and Cautions ☞ **P.1375**
Selection Method ☞ **P.2253**

■Type: 2GT (Pitch: 2mm)

Type	Part Number: Belt Number	Part Number: Belt Nominal Width	Number of Teeth	Belt Circumference Length (mm)	Unit Price: Belt Nominal Width 40	60	90
GBN (Rubber)	66 2GT	40 (4mm) 60 (6mm) 90 (9mm)	33	66			
	72 2GT		36	72			
	74 2GT		37	74			
	76 2GT		38	76			
	78 2GT		39	78			
	80 2GT		40	80			
	82 2GT		41	82			
	84 2GT		42	84			
	86 2GT		43	86			
	88 2GT		44	88			
	90 2GT		45	90			
	92 2GT		46	92			
	94 2GT		47	94			
	96 2GT		48	96			
	98 2GT		49	98			
	100 2GT		50	100			
	102 2GT		51	102			
	106 2GT		53	106			
	108 2GT		54	108			
	110 2GT		55	110			
	112 2GT		56	112			
	114 2GT		57	114			
	116 2GT		58	116			
	118 2GT		59	118			
	120 2GT		60	120			
	122 2GT		61	122			
	124 2GT		62	124			
	126 2GT		63	126			
	128 2GT		64	128			
	130 2GT		65	130			
	132 2GT		66	132			
	134 2GT		67	134			
	136 2GT		68	136			
	138 2GT		69	138			
	140 2GT		70	140			
	142 2GT		71	142			
	144 2GT		72	144			
	146 2GT		73	146			
	148 2GT		74	148			
	150 2GT		75	150			
	152 2GT		76	152			
	154 2GT		77	154			
	156 2GT		78	156			
	158 2GT		79	158			
	160 2GT		80	160			
	162 2GT		81	162			
	164 2GT		82	164			
	166 2GT		83	166			
	168 2GT		84	168			
	170 2GT		85	170			
	172 2GT		86	172			
	174 2GT		87	174			
	176 2GT		88	176			
	178 2GT		89	178			
	180 2GT		90	180			
	182 2GT		91	182			
	184 2GT		92	184			
	186 2GT		93	186			
	188 2GT		94	188			
	190 2GT		95	190			
	192 2GT		96	192			
	194 2GT		97	194			
	196 2GT		98	196			
	200 2GT		100	200			
	202 2GT		101	202			
	204 2GT		102	204			
	208 2GT		104	208			
	210 2GT		105	210			
	212 2GT		106	212			
	214 2GT		107	214			
	216 2GT		108	216			
	220 2GT		110	220			
	224 2GT		112	224			
	226 2GT		113	226			
	228 2GT		114	228			
	230 2GT		115	230			
	232 2GT		116	232			
	236 2GT		118	236			
	240 2GT		120	240			
	242 2GT		121	242			
	244 2GT		122	244			
	248 2GT		124	248			
	250 2GT		125	250			
	252 2GT		126	252			
	254 2GT		127	254			
	256 2GT		128	256			
	258 2GT		129	258			
	260 2GT		130	260			
	264 2GT		132	264			
	266 2GT		133	266			
	268 2GT		134	268			
	270 2GT		135	270			
	278 2GT		139	278			
	280 2GT		140	280			
	282 2GT		141	282			
	284 2GT		142	284			
	286 2GT		143	286			
	288 2GT		144	288			
	290 2GT		145	290			

Type	Part Number: Belt Number	Part Number: Belt Nominal Width	Number of Teeth	Belt Circumference Length (mm)	Unit Price: Belt Nominal Width 40	60	90
GBN (Rubber)	292 2GT	40 (4mm) 60 (6mm) 90 (9mm)	146	292			
	294 2GT		147	294			
	300 2GT		150	300			
	302 2GT		151	302			
	304 2GT		152	304			
	308 2GT		154	308			
	310 2GT		155	310			
	314 2GT		157	314			
	318 2GT		159	318			
	320 2GT		160	320			
	322 2GT		161	322			
	324 2GT		162	324			
	326 2GT		163	326			
	328 2GT		164	328			
	332 2GT		166	332			
	336 2GT		168	336			
	338 2GT		169	338			
	340 2GT		170	340			
	344 2GT		172	344			
	346 2GT		173	346			
	348 2GT		174	348			
	350 2GT		175	350			
	352 2GT		176	352			
	354 2GT		177	354			
	358 2GT		179	358			
	360 2GT		180	360			
	366 2GT		183	366			
	370 2GT		185	370			
	372 2GT		186	372			
	376 2GT		188	376			
	380 2GT		190	380			
	382 2GT		191	382			
	386 2GT		193	386			
	394 2GT		197	394			
	400 2GT		200	400			
	406 2GT		203	406			
	412 2GT		206	412			
	420 2GT		210	420			
	426 2GT		213	426			
	430 2GT		215	430			
	436 2GT		218	436			
	440 2GT		220	440			
	444 2GT		222	444			
	446 2GT		223	446			
	448 2GT		224	448			
	452 2GT		226	452			
	460 2GT		230	460			
	470 2GT		235	470			
	478 2GT		239	478			
	484 2GT		242	484			
	486 2GT		243	486			
	488 2GT		244	488			
	492 2GT		246	492			
	494 2GT		247	494			
	500 2GT		250	500			
	502 2GT		251	502			
	504 2GT		252	504			
	506 2GT		253	506			
	516 2GT		258	516			
	524 2GT		262	524			
	530 2GT		265	530			
	544 2GT		272	544			
	550 2GT		275	550			
	558 2GT		279	558			
	570 2GT		285	570			
	572 2GT		286	572			
	578 2GT		289	578			
	586 2GT		293	586			
	598 2GT		299	598			
	600 2GT		300	600			
	606 2GT		303	606			
	616 2GT		308	616			
	630 2GT		315	630			
	634 2GT		317	634			
	646 2GT		323	646			
	660 2GT		330	660			
	670 2GT		335	670			
	676 2GT		338	676			
	690 2GT		345	690			
	696 2GT		348	696			
	702 2GT		351	702			
	726 2GT		363	726			
	742 2GT		371	742			
	752 2GT		376	752			
	760 2GT		380	760			
	772 2GT		386	772			
	782 2GT		391	782			
	800 2GT		400	800			
	810 2GT		405	810			
	852 2GT		426	852			
	860 2GT		430	860			
	866 2GT		433	866			
	892 2GT		446	892			
	900 2GT		450	900			
	930 2GT		465	930			
	950 2GT		475	950			
	976 2GT		488	976			
	994 2GT		497	994			

■Type: 3GT (Pitch: 3mm)

Type	Part Number: Belt Number	Part Number: Belt Nominal Width	Number of Teeth	Belt Circumference Length (mm)	Unit Price: Belt Nominal Width 60	90	150
GBN (Rubber)	102 3GT	60 (6mm) 90 (9mm) 150 (15mm)	34	102			
	105 3GT		35	105			
	108 3GT		36	108			
	111 3GT		37	111			
	114 3GT		38	114			
	117 3GT		39	117			
	120 3GT		40	120			
	123 3GT		41	123			
	126 3GT		42	126			
	129 3GT		43	129			
	132 3GT		44	132			
	135 3GT		45	135			
	138 3GT		46	138			
	141 3GT		47	141			
	144 3GT		48	144			
	147 3GT		49	147			
	150 3GT		50	150			
	156 3GT		52	156			
	159 3GT		53	159			
	162 3GT		54	162			
	168 3GT		56	168			
	174 3GT		58	174			
	177 3GT		59	177			
	180 3GT		60	180			
	186 3GT		62	186			
	189 3GT		63	189			
	192 3GT		64	192			
	195 3GT		65	195			
	198 3GT		66	198			
	201 3GT		67	201			
	204 3GT		68	204			
	207 3GT		69	207			
	210 3GT		70	210			
	213 3GT		71	213			
	216 3GT		72	216			
	222 3GT		74	222			
	225 3GT		75	225			
	228 3GT		76	228			
	231 3GT		77	231			
	234 3GT		78	234			
	237 3GT		79	237			
	240 3GT		80	240			
	243 3GT		81	243			
	246 3GT		82	246			
	249 3GT		83	249			
	252 3GT		84	252			
	255 3GT		85	255			
	258 3GT		86	258			
	264 3GT		88	264			
	267 3GT		89	267			
	270 3GT		90	270			
	273 3GT		91	273			
	276 3GT		92	276			
	282 3GT		94	282			
	285 3GT		95	285			
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	303 3GT		101	303			
	309 3GT		103	309			
	312 3GT		104	312			
	315 3GT		105	315			
	318 3GT		106	318			
	324 3GT		108	324			
	327 3GT		109	327			
	330 3GT		110	330			
	333 3GT		111	333			
	336 3GT		112	336			
	339 3GT		113	339			
	342 3GT		114	342			
	345 3GT		115	345			
	348 3GT		116	348			
	351 3GT		117	351			
	354 3GT		118	354			
	357 3GT		119	357			
	363 3GT		121	363			
	366 3GT		122	366			
	369 3GT		123	369			
	375 3GT		125	375			
	378 3GT		126	378			
	381 3GT		127	381			
	384 3GT		128	384			
	387 3GT		129	387			
	393 3GT		131	393			
	396 3GT		132	396			
	399 3GT		133	399			
	402 3GT		134	402			
	405 3GT		135	405			
	408 3GT		136	408			
	414 3GT		138	414			
	417 3GT		139	417			
	420 3GT		140	420			
	423 3GT		141	423			
	426 3GT		142	426			
	432 3GT		144	432			
	444 3GT		148	444			
	447 3GT		149	447			
	453 3GT		151	453			
	456 3GT		152	456			
	459 3GT		153	459			
	462 3GT		154	462			
	471 3GT		157	471			
	480 3GT		160	480			

Type	Part Number: Belt Number	Part Number: Belt Nominal Width	Number of Teeth	Belt Circumference Length (mm)	Unit Price: Belt Nominal Width 60	90	150
GBN (Rubber)	486 3GT	60 (6mm) 90 (9mm) 150 (15mm)	162	486			
	489 3GT		163	489			
	495 3GT		165	495			
	501 3GT		167	501			
	504 3GT		168	504			
	510 3GT		170	510			
	513 3GT		171	513			
	522 3GT		174	522			
	525 3GT		175	525			
	531 3GT		177	531			
	537 3GT		179	537			
	540 3GT		180	540			
	543 3GT		181	543			
	549 3GT		183	549			
	552 3GT		184	552			
	558 3GT		186	558			
	561 3GT		187	561			
	564 3GT		188	564			
	570 3GT		190	570			
	576 3GT		192	576			
	579 3GT		193	579			
	582 3GT		194	582			
	588 3GT		196	588			
	591 3GT		197	591			
	597 3GT		199	597			
	600 3GT		200	600			
	603 3GT		201	603			
	609 3GT		203	609			
	612 3GT		204	612			
	618 3GT		206	618			
	624 3GT		208	624			
	633 3GT		211	633			
	639 3GT		213	639			
	642 3GT		214	642			
	651 3GT		217	651			
	654 3GT		218	654			
	666 3GT		222	666			
	672 3GT		224	672			
	675 3GT		225	675			
	681 3GT		227	681			
	687 3GT		229	687			
	690 3GT		230	690			
	693 3GT		231	693			
	699 3GT		233	699			
	702 3GT		234	702			
	705 3GT		235	705			
	708 3GT		236	708			
	720 3GT		240	720			
	729 3GT		243	729			
	741 3GT		247	741			
	744 3GT		248	744			
	750 3GT		250	750			
	756 3GT		252	756			
	765 3GT		255	765			
	774 3GT		258	774			
	783 3GT		261	783			
	789 3GT		263	789			
	810 3GT		270	810			
	822 3GT		274	822			
	840 3GT		280	840			
	852 3GT		284	852			
	858 3GT		286	858			
	870 3GT		290	870			
	882 3GT		294	882			
	900 3GT		300	900			
	912 3GT		304	912			
	924 3GT		308	924			
	927 3GT		309	927			
	936 3GT		312	936			
	948 3GT		316	948			
	960 3GT		320	960			
	963 3GT		321	963			
	966 3GT		322	966			
	972 3GT		324	972			
	981 3GT		327	981			
	993 3GT		331	993			
	996 3GT		332	996			
	1005 3GT		335	1005			
	1008 3GT		336	1008			
	1014 3GT		338	1014			
	1050 3GT		350	1050			
	1059 3GT		353	1059			
	1068 3GT		356	1068			
	1071 3GT		357	1071			
	1086 3GT		362	1086			
	1098 3GT		366	1098			
	1113 3GT		371	1113			
	1137 3GT		379	1137			
	1170 3GT		390	1170			
	1188 3GT		396	1188			
	1212 3GT		404	1212			
	1215 3GT		405	1215			
	1260 3GT		420	1260			
	1290 3GT		430	1290			
	1299 3GT		433	1299			
	1305 3GT		435	1305			
	1326 3GT		442	1326			
	1335 3GT		445	1335			
	1374 3GT		458	1374			
	1386 3GT		462	1386			
	1422 3GT		474	1422			
	1446 3GT		482	1446			
	1521 3GT		507	1521			

Ordering Example

Part Number		
Type	Belt Number	Belt Nominal Width
GBN	200 2GT	- 60

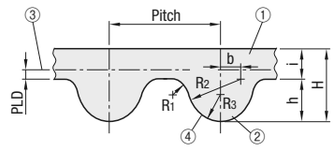
Super High Torque Timing Belts (EV5GT, EV8YU)

■**Features:** Circular Tooth Profile Timing Belts with little backlash, suitable for positioning.
■EV5GT is compatible with the High Torque Timing Pulley 5GT on P.1385, while EV8YU is compatible with the High Torque Timing Pulley 8YU on P.1387.



RoHS

GBN



Type	Material	
GBN	①Back Rubber	High Modulus Rubber
	②Tooth Rubber	
	③Core Wire	Glass Fiber Cord
	④Tooth Fabric	Nylon Cloth

Type	Pitch	R_1	R_2	R_3	b	H	h	i	PLD	Unit Mass g/m (Width: 10mm)
EV5GT	5	0.51	2.54	1.37	1.03	3.80	1.93	1.87	0.5715	40.0
EV8YU	8	1.08	3.80	2.10	1.43	5.0	3.02	1.98	0.686	51.0

Operating Temp.: -10~80°C (Reference Value)
Belt Circumference Length is the length of Core Wire.
Features and Cautions P.1375
Selection Method P.2253

■Type: EV5GT (Pitch: 5mm)

Part Number Type	Belt Number	Belt Nominal Width	Number of Teeth	Belt Circumference Length (mm)	Unit Price Belt Nominal Width 90	120	150
GBN (High Modulus Rubber)	185 EV5GT	90 (9mm) 120 (12mm) 150 (15mm)	37	185			
	225 EV5GT		45	225			
	230 EV5GT		46	230			
	240 EV5GT		48	240			
	245 EV5GT		49	245			
	250 EV5GT		50	250			
	255 EV5GT		51	255			
	260 EV5GT		52	260			
	270 EV5GT		54	270			
	275 EV5GT		55	275			
	295 EV5GT		59	295			
	300 EV5GT		60	300			
	315 EV5GT		63	315			
	320 EV5GT		64	320			
	340 EV5GT		68	340			
	350 EV5GT		70	350			
	360 EV5GT		72	360			
	365 EV5GT		73	365			
	370 EV5GT		74	370			
	375 EV5GT		75	375			
	385 EV5GT		77	385			
	390 EV5GT		78	390			
	400 EV5GT		80	400			
	405 EV5GT		81	405			
	410 EV5GT		82	410			
	415 EV5GT		83	415			
	420 EV5GT		84	420			
	430 EV5GT		86	430			
	435 EV5GT		87	435			
	440 EV5GT		88	440			
	450 EV5GT		90	450			
	460 EV5GT		92	460			
	465 EV5GT		93	465			
	470 EV5GT		94	470			
	475 EV5GT		95	475			
	485 EV5GT		97	485			
	490 EV5GT		98	490			
	500 EV5GT		100	500			
	505 EV5GT		101	505			
	510 EV5GT		102	510			
	520 EV5GT		104	520			
	525 EV5GT		105	525			
	530 EV5GT		106	530			
	540 EV5GT		108	540			
	545 EV5GT		109	545			
	550 EV5GT		110	550			
	560 EV5GT		112	560			
	565 EV5GT		113	565			
	570 EV5GT		114	570			
	575 EV5GT		115	575			
	580 EV5GT		116	580			
	595 EV5GT		119	595			
	600 EV5GT		120	600			
	610 EV5GT		122	610			
	615 EV5GT		123	615			
	625 EV5GT		125	625			
	635 EV5GT		127	635			
	645 EV5GT		129	645			
	655 EV5GT		131	655			
	670 EV5GT		134	670			
	675 EV5GT		135	675			
	695 EV5GT		139	695			
GBN (High Modulus Rubber)	700 EV5GT	90 (9mm) 120 (12mm) 150 (15mm)	140	700			
	710 EV5GT		142	710			
	720 EV5GT		144	720			
	730 EV5GT		146	730			
	740 EV5GT		148	740			
	750 EV5GT		150	750			
	770 EV5GT		154	770			
	775 EV5GT		155	775			
	800 EV5GT		160	800			
	810 EV5GT		162	810			
	815 EV5GT		163	815			
	825 EV5GT		165	825			
	830 EV5GT		166	830			
	840 EV5GT		168	840			
	845 EV5GT		169	845			
	850 EV5GT		170	850			
	860 EV5GT		172	860			
	870 EV5GT		174	870			
	880 EV5GT		176	880			
	895 EV5GT		179	895			
	900 EV5GT		180	900			
	920 EV5GT		184	920			
	935 EV5GT		187	935			
	960 EV5GT		192	960			
	970 EV5GT		194	970			
	1000 EV5GT		200	1000			
	1015 EV5GT		203	1015			
	1025 EV5GT		205	1025			
	1050 EV5GT		210	1050			
	1080 EV5GT		216	1080			
	1090 EV5GT		218	1090			
	1145 EV5GT		229	1145			
	1155 EV5GT		231	1155			
	1165 EV5GT		233	1165			
	1170 EV5GT		234	1170			
	1180 EV5GT		236	1180			
	1190 EV5GT		238	1190			
	1210 EV5GT		242	1210			
	1225 EV5GT		245	1225			
	1250 EV5GT		250	1250			
	1270 EV5GT		254	1270			
	1290 EV5GT		258	1290			
	1315 EV5GT		263	1315			
	1330 EV5GT		266	1330			
	1390 EV5GT		278	1390			
	1400 EV5GT		280	1400			
	1440 EV5GT		288	1440			
	1475 EV5GT		295	1475			
	1500 EV5GT		300	1500			
	1530 EV5GT		306	1530			
	1535 EV5GT		307	1535			
	1550 EV5GT		310	1550			
	1585 EV5GT		317	1585			
	1615 EV5GT		323	1615			
	1630 EV5GT		326	1630			
	1675 EV5GT		335	1675			
	1690 EV5GT		338	1690			
	1715 EV5GT		343	1715			
	1800 EV5GT		360	1800			
	1875 EV5GT		375	1875			
	1960 EV5GT		392	1960			

■Type: EV8YU (Pitch: 8mm)

Part Number Type	Belt Number	Belt Nominal Width	Number of Teeth	Belt Circumference Length (mm)	Unit Price Belt Nominal Width 150	200	250
GBN (High Modulus Rubber)	408 EV8YU	150 (15mm) 200 (20mm) 250 (25mm)	51	408			
	416 EV8YU		52	416			
	432 EV8YU		54	432			
	440 EV8YU		55	440			
	464 EV8YU		58	464			
	472 EV8YU		59	472			
	480 EV8YU		60	480			
	488 EV8YU		61	488			
	504 EV8YU		63	504			
	512 EV8YU		64	512			
	520 EV8YU		65	520			
	536 EV8YU		67	536			
	544 EV8YU		68	544			
	552 EV8YU		69	552			
	560 EV8YU		70	560			
	576 EV8YU		72	576			
	600 EV8YU		75	600			
	608 EV8YU		76	608			
	616 EV8YU		77	616			
	624 EV8YU		78	624			
	632 EV8YU		79	632			
	640 EV8YU		80	640			
	656 EV8YU		82	656			
	664 EV8YU		83	664			
	680 EV8YU		85	680			
	704 EV8YU		88	704			
	720 EV8YU		90	720			
	728 EV8YU		91	728			
	744 EV8YU		93	744			
	752 EV8YU		94	752			
	760 EV8YU		95	760			
	768 EV8YU		96	768			
	776 EV8YU		97	776			
	784 EV8YU		98	784			
	792 EV8YU		99	792			
	800 EV8YU		100	800			
	808 EV8YU		101	808			
	816 EV8YU		102	816			
	824 EV8YU		103	824			
	832 EV8YU		104	832			
	840 EV8YU		105	840			
	848 EV8YU		106	848			
	856 EV8YU		107	856			
	864 EV8YU		108	864			
	872 EV8YU		109	872			
	880 EV8YU		110	880			
	888 EV8YU		111	888			
	896 EV8YU		112	896			
	904 EV8YU		113	904			
	912 EV8YU		114	912			
	920 EV8YU		115	920			
	928 EV8YU		116	928			
	936 EV8YU		117	936			
	944 EV8YU		118	944			
	952 EV8YU		119	952			
	960 EV8YU		120	960			
	968 EV8YU		121	968			
	976 EV8YU		122	976			
	984 EV8YU		123	984			
	992 EV8YU		124	992			
	1000 EV8YU		125	1000			
	1008 EV8YU		126	1008			
	1016 EV8YU		127	1016			
	1032 EV8YU		129	1032			
	1040 EV8YU		130	1040			
	1064 EV8YU		133	1064			
	1072 EV8YU		134	1072			
	1080 EV8YU		135	1080			
	1088 EV8YU		136	1088			
	1096 EV8YU		137	1096			
	1112 EV8YU		139	1112			
	1120 EV8YU		140	1120			
	1128 EV8YU		141	1128			
	1136 EV8YU		142	1136			
	1144 EV8YU		143	1144			
	1152 EV8YU		144	1152			
	1160 EV8YU		145	1160			
	1168 EV8YU		146	1168			
	1176 EV8YU		147	1176			
	1184 EV8YU		148	1184			
	1192 EV8YU		149	1192			
	1200 EV8YU		150	1200			
	1208 EV8YU		151	1208			
	1216 EV8YU		152	1216			
GBN (High Modulus Rubber)	1224 EV8YU	150 (15mm) 200 (20mm) 250 (25mm)	153	1224			
	1232 EV8YU		154	1232			
	1240 EV8YU		155	1240			
	1248 EV8YU		156	1248			
	1256 EV8YU		157	1256			
	1264 EV8YU		158	1264			
	1272 EV8YU		159	1272			
	1280 EV8YU		160	1280			
	1288 EV8YU		161	1288			
	1296 EV8YU		162	1296			
	1304 EV8YU		163	1304			
	1312 EV8YU		164	1312			
	1320 EV8YU		165	1320			
	1328 EV8YU		166	1328			
	1336 EV8YU		167	1336			
	1344 EV8YU		168	1344			
	1352 EV8YU		169	1352			
	1360 EV8YU		170	1360			
	1376 EV8YU		172	1376			
	1384 EV8YU		173	1384			
	1392 EV8YU		174	1392			
	1400 EV8YU		175	1400			
	1408 EV8YU		176	1408			
	1416 EV8YU		177	1416			
	1424 EV8YU		178	1424			
	1432 EV8YU		179	1432			
	1440 EV8YU		180	1440			
	1448 EV8YU		181	1448			
	1456 EV8YU		182	1456			
	1464 EV8YU		183	1464			
	1480 EV8YU		185	1480			
	1496 EV8YU		187	1496			
	1520 EV8YU		190	1520			
	1544 EV8YU		193	1544			
	1568 EV8YU		196	1568			
	1576 EV8YU		197	1576			
	1600 EV8YU		200	1600			
	1608 EV8YU		201	1608			
	1616 EV8YU		202	1616			
	1640 EV8YU		205	1640			
	1656 EV8YU		207	1656			
	1680 EV8YU		210	1680			
	1688 EV8YU		211	1688			
	1696 EV8YU		212	1696			
	1720 EV8YU		215	1720			
	1728 EV8YU		216	1728			
	1736 EV8YU		217	1736			
	1752 EV8YU		219	1752			
	1760 EV8YU		220	1760			
	1768 EV8YU		221	1768			
	1776 EV8YU		222	1776			
	1784 EV8YU		223	1784			
	1808 EV8YU		226	1808			
	1816 EV8YU		227	1816			
	1824 EV8YU		228	1824			
	1856 EV8YU		232	1856			
	1864 EV8YU		233	1864			
	1872 EV8YU		234	1872			
	1888 EV8YU		236	1888			
	1896 EV8YU		237	1896			
	1912 EV8YU		239	1912			
	1928 EV8YU		241	1928			
	1944 EV8YU		243	1944			
	1952 EV8YU		244	1952			
	1976 EV8YU		247	1976			
	2000 EV8YU		250	2000			
	2056 EV8YU		257	2056			
	2072 EV8YU		259	2072			
	2120 EV8YU		265	2120			
	2136 EV8YU		267	2136			
	2160 EV8YU		270	2160			
	2240 EV8YU		280	2240			
	2248 EV8YU		281	2248			
	2264 EV8YU		283	2264			
	2280 EV8YU		285	2280			
	2296 EV8YU		287	2296			
	2304 EV8YU		288	2304			
	2328 EV8YU		291	2328			
	2400 EV8YU		300	2400			
	2456 EV8YU		307	2456			
	2600 EV8YU		325	2600			
	2800 EV8YU		350	2800			
	3200 EV8YU		400	3200			
	3440 EV8YU		430	3440			

Orderir Exampl

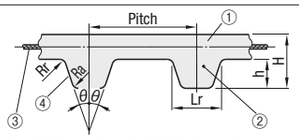
Part Number			
Type	Belt Number		Belt Nominal Width
GBN	300 EV5GT	-	120

Timing Belts (MXL, XL, L, H)

■Timing Belts MXL, XL, L, H are compatible with the Timing Pulleys MLX, XL, L, H on ☞P.1389~P.1396.



TBN (Rubber)
TUN (Polyurethane)



Type		Material
TBN	①Back Rubber ②Tooth Rubber	Chloroprene Rubber
	③Core Wire	Fiberglass Cord S/Z Alternately Twisted Continuous
	④Tooth Fabric	Nylon Cloth
TUN	①②Main Body	Polyurethane
	③Core Wire	MXL: Kevlar XL, L: Steel Cord

Type	Pitch	2θ	Lr	h	H	Rr	Ra	Unit Mass g/m (Width: 10mm)
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 (Reference Value)
Although some tooth fabrics for MXL and XL rubber belts (TBN) are changed from black to brown to prevent rubber-dust generation, it does not affect the performance.
Note: The figures of belt number have different meanings depending on its type.
* Belt No. is the number of belt teeth for MXL, and is the belt circumference length for XL, L and H.
Belt Circumference Length is the length of Core Wire.
TUN - Polyurethane Type - cannot be used with tension from back side.
Features and Cautions ☞P.1375 How to select products, ☞P.2253.

RoHS

■Type: MXL (Pitch: 2.032mm)

Part Number Type	Belt Number	Belt Nominal Width	Number of Teeth	Belt Circumference Length (mm)	Unit Price TBN 019	TBN 025	TBN 037	TBN 050	TUN 025	TUN 037
TBN (Rubber) TUN (Polyurethane)	45MXL	019 (4.8mm)	45	91.44						
	48MXL		48	97.54						
	50MXL		50	101.6						
	52MXL		52	105.66						
	53MXL		53	107.7						
	54MXL		54	109.73				-	-	-
	55MXL		55	111.76						
	56MXL		56	113.79						
	57MXL		57	115.82						
	59MXL		59	119.89						
	60MXL		60	121.92						
	61MXL		61	123.95						
	63MXL		63	128.02						
	65MXL		65	132.08						
	67MXL		67	136.14						
	68MXL		68	138.18						
	70MXL		70	142.24				-	-	-
	71MXL		71	144.27						
	72MXL		72	146.3						
	73MXL		73	148.34						
	75MXL		75	152.4						
	76MXL		76	154.43						
	77MXL		77	156.46						
	78MXL		78	158.5						
	79MXL		79	160.53					-	-
	80MXL		80	162.56						
	82MXL		82	166.62				-		
	83MXL		83	168.66						
	85MXL		85	172.72						
	87MXL		87	176.78						
	88MXL		88	178.82						
	89MXL		89	180.85	-	-	-			
	90MXL		90	182.88						
	91MXL	025 (6.4mm)	91	184.91						
	92MXL		92	186.94					-	-
	93MXL		93	188.98						
	94MXL		94	191.01						
	95MXL		95	193.04						
	96MXL		96	195.07					-	-
	97MXL		97	197.1				-		
	98MXL		98	199.14						
	99MXL		99	201.17					-	-
	100MXL		100	203.2						
	101MXL	037 (9.5mm)	101	205.23					-	-
	102MXL		102	207.26						
	103MXL		103	209.3						
	104MXL		104	211.33	-	-	-			
	105MXL		105	213.36						
	106MXL		106	215.39						
	108MXL		108	219.46					-	-
	110MXL		110	223.52						
	112MXL		112	227.58						
	114MXL		114	231.65						
	115MXL	050 (12.7mm)	115	233.68						
	118MXL		118	239.78						
	120MXL		120	243.84						
	121MXL		121	245.87					-	-
	122MXL		122	247.9						
	123MXL		123	249.94						
	124MXL		124	251.97	-	-	-	-		
	125MXL		125	254						
	126MXL		126	256.03						
	127MXL		127	258.06						
	128MXL		128	260.1					-	-
	129MXL		129	262.13						
	130MXL		130	264.16						
	131MXL		131	266.19					-	-
	132MXL		132	268.22						
	134MXL		134	272.29						
	135MXL		135	274.32					-	-
	138MXL		138	280.42						
	140MXL		140	284.48						
	142MXL		142	288.54						
	144MXL		144	292.61						
	145MXL		145	294.64	-	-	-	-		
	146MXL		146	296.67					-	-
	148MXL		148	300.74						
	150MXL		150	304.8						
	155MXL		155	314.96						
	158MXL		158	321.06					-	-
	160MXL		160	325.12						
	162MXL		162	329.18					-	-

Part Number Type	Belt Number	Belt Nominal Width	Number of Teeth	Belt Circumference Length (mm)	Unit Price TBN 019	TBN 025	TBN 037	TBN 050	TUN 025	TUN 037
TBN (Rubber) TUN (Polyurethane)	165MXL	019 (4.8mm)	165	335.28						
	170MXL		170	345.44						
	175MXL		175	355.6						
	180MXL		180	365.76						
	184MXL		184	373.89						
	190MXL		190	386.08						
	192MXL		192	390.14					-	-
	195MXL		195	396.24						
	200MXL		200	406.4						
	210MXL		210	426.72						
	212MXL		212	430.78						
	221MXL		221	449.07						
	222MXL	025 (6.4mm)	222	451.1					-	
	224MXL		224	455.17						-
	226MXL		226	459.23					-	
	228MXL		228	463.3						
	230MXL		230	467.36					-	-
	232MXL		232	471.42						
	235MXL		235	477.52	-	-	-	-		
	236MXL		236	479.55						
	239MXL		239	485.65						
	240MXL		240	487.68						
	245MXL		245	497.84					-	-
	248MXL		248	503.94						
	249MXL		249	505.97	-	-	-	-		-
	250MXL		250	508						
	256MXL		256	520.19						
	260MXL		260	528.32						
	262MXL		262	532.38					-	-
	265MXL		265	538.48						
	273MXL		273	554.74						
	275MXL		275	558.8					-	-
	277MXL		277	562.86	-	-	-	-		
	280MXL	025 (6.4mm)	280	568.96						
	281MXL		281	570.99						
	285MXL		285	579.12					-	-
	288MXL		288	585.22						
	290MXL		290	589.28				-		
	295MXL		295	599.44					-	
	296MXL		296	601.47	-	-	-			-
	297MXL		297	603.5					-	-
	300MXL		300	609.6						
	305MXL		305	619.76					-	-
	310MXL	037 (9.5mm)	310	629.92						
	312MXL		312	633.98					-	-
	315MXL		315	640.08						
	318MXL		318	646.18						
	320MXL		320	650.24						
	330MXL		330	670.56						
	332MXL		332	674.62					-	-
	334MXL		334	678.69						
	336MXL		336	682.75						
	337MXL		337	684.78						
	340MXL	050 (12.7mm)	340	690.88	-	-	-	-		
	347MXL		347	705.1					-	-
	350MXL		350	711.2						
	355MXL		355	721.36					-	-
	358MXL		358	727.46	-	-	-			
	359MXL		359	729.49				-	-	-
	360MXL		360	731.52	-	-	-			
	364MXL		364	739.65					-	-
	365MXL		365	741.68						
	370MXL		370	751.84	-	-	-			
	372MXL		372	755.9					-	-
	380MXL		380	772.16						
	390MXL		390	792.48	-	-	-	-		
	397MXL		397	806.7					-	-
	400MXL		400	812.8						
	405MXL		405	822.96					-	-
	420MXL		420	853.44	-	-	-	-		
	434MXL		434	881.89						
	435MXL		435	883.92						
	448MXL		448	910.34						
	453MXL		453	920.5					-	-
	464MXL		464	942.85						
	487MXL		487	989.56						
	498MXL		498	1011.94						
	500MXL		500	1016						
	516MXL		516	1048.51						
	525MXL		525	1066.8					-	-
	535MXL		535	1087.12						
	550MXL		550	1117.6						

■Type: XL (Pitch:5.08mm)

Part Number Type	Belt Number	Belt Nominal Width	Number of Teeth	Belt Circumference Length (mm)	Unit Price TBN 025	TBN 031	TBN 037	TBN 050	TUN 025	TUN 031	TUN 037	TUN 050
TBN (Rubber) TUN (Polyurethane)	60XL	025 (6.4mm)	30	152.40								
	68XL		34	172.72					-	-	-	-
	70XL		35	177.80								
	76XL		38	193.04								
	78XL		39	198.12								
	80XL		40	203.20								
	84XL		42	213.36								
	88XL		44	223.52					-	-	-	-
	90XL		45	228.60								
	92XL		46	233.68					-	-	-	-
	94XL		47	238.76								
	96XL		48	243.84								
	98XL		49	248.92					-	-	-	-
	100XL		50	254.00								
	102XL		51	259.08								
	104XL		52	264.16								
	108XL		54	274.32								
	110XL		55	279.40								
	112XL		56	284.48					-	-	-	-
	114XL		57	289.56								
	116XL		58	294.64								
	118XL		59	299.72					-	-	-	-
	120XL		60	304.80								
	122XL		61	309.88					-	-	-	-
	124XL		62	314.96								
	126XL		63	320.04								
	128XL		64	325.12								
	130XL		65	330.20								
	134XL		67	340.36					-	-	-	-
	136XL		68	345.44								
	138XL		69	350.52					-	-	-	-
	140XL		70	355.60								
	142XL		71	360.68								
	144XL		72	365.76					-	-	-	-
	146XL	025 (6.4mm)	73	370.84								
	148XL		74	375.92								
	150XL		75	381.00								
	152XL		76	386.08								
	154XL		77	391.16								
	156XL		78	396.24								
	158XL		79	401.32					-	-	-	-
	160XL		80	406.40								
	162XL	031 (7.9mm)	81	411.48								
	164XL		82	416.56					-	-	-	-
	166XL		83	421.64								
	168XL		84	426.72								
	170XL		85	431.80								
	172XL		86	436.88								
	174XL		87	441.96					-	-	-	-
	176XL		88	447.04								
	178XL		89	452.12					-	-	-	-
	180XL		90	457.20								
	182XL	037 (9.5mm)	91	462.28								
	184XL		92	467.36					-	-	-	-
	188XL		94	477.52								
	190XL		95	482.60								
	194XL		97	492.76								
	196XL		98	497.84					-	-	-	-
	198XL		99	502.92								
	200XL		100	508.00								
	202XL	050 (12.7mm)	101	513.08								
	206XL		103	523.24					-	-	-	-
	210XL		105	533.40								
	212XL		106	538.48								
	220XL		110	558.80								
	228XL		114	579.12					-	-	-	-
	230XL		115	584.20								
	234XL		117	594.36					-	-	-	-
	240XL		120	609.60								
	250XL		125	635.00								
	260XL		130	660.40								
	270XL		135	685.80								
	276XL		138	701.04								
	280XL		140	711.20					-	-	-	-
	282XL		141	716.28								
	290XL		145	736.60								
	300XL		150	762.00								
	310XL		155	787.40					-	-	-	-
	314XL		157	797.56								
	320XL		160	812.80								
	330XL		165	838.20								
	340XL		170	863.60								
	346XL		174	883.92								
	352XL		176	894.08								
	360XL		180	914.40								
	370XL		185	939.80					-	-	-	-
	376XL		188	955.04								
	384XL		192	975.36								
	388XL		194	985.52					-	-	-	-
	390XL		195	990.60								
	396XL		198	1005.84								
	424XL		212	1076.96					-	-	-	-
	460XL		230	1168.40								
	490XL		245	1244.60					-	-	-	-
	564XL		282	1432.56								
	592XL		296	1503.68					-	-	-	-
	630XL		315	1600.20								
	828XL		414	2103.12					-	-	-	-
	860XL		430	2184.40								

■Type: L (Pitch: 9.525mm)

Part Number Type	Belt Number	Belt Nominal Width	Number of Teeth	Belt Circumference Length (mm)	Unit Price TBN 050	TBN 075	TBN 100	TBN 150	TUN 050	TUN 075	TUN 100
TBN (Rubber) TUN (Polyurethane)	109L	050 (12.7mm)	29	276.23				-	-	-	-
	124L		33	314.33							
	135L		36	342.9					-	-	-
	150L		40	381							
	165L		44	419.1				-			
	187L		50	476.25							
	210L		56	533.4							
	225L		60	571.5							
	240L		64	609.6							
	255L		68	647.7							
	270L		72	685.8							
	277L		74	704.85					-	-	-
	285L		76	723.9				-			
	300L		80	762							
	320L		85	809.63					-	-	-
	322L		86	819.15							
	334L		89	847.73							
	337L	075 (19.1mm)	90	857.25				-	-	-	-
	345L		92	876.3							
	360L		96	914.4					-	-	-
	367L		98	933.45							
	375L	100 (25.4mm)	100	952.5					-	-	-
	382L		102	971.55							
	390L		104	990.6							
	394L		105	1000.13					-	-	-
	420L	150 (38.1mm)	112	1066.8							
	427L		114	1085.85					-	-	-
	450L		120	1143							
	480L		128	1219.2							
	510L		136	1295.4							
	525L		140	1333.5					-	-	-
	540L		144	1371.6							
	548L		146	1390.65				-			
	581L		155	1476.38					-	-	-
	600L		160	1524							
	630L		168	1600.2							
	653L		174	1657.35							
	660L		176	1676.4					-	-	-
	697L		186	1771.65				-			
	731L		195	1857.38							

■Type: H (Pitch:12.700mm)

Part Number Type	Belt Number	Belt Nominal Width	Number of Teeth	Belt Circumference Length (mm)	Unit Price TBN 075	TBN 100	TBN 150	TBN 200
TBN (Rubber)	225H	075 (19.1mm)	45	571.5				
	230H		46	584.2				
	240H		48	609.5				
	245H		49	622.3				
	270H		54	685.8				
	280H		56	711.2				
	300H		60	762				
	310H		62	787.4				
	315H		63	800.1				
	320H		64	812.8				
	330H		66	838.2				
	340H		68	863.6				
	350H		70	889				
	360H		72	914.4				
	370H		74	939.8				
	375H		75	952.5				
	390H		78	990.6				
	400H		80	1016				
	410H		82	1041.4				
	420H		84	1066.8				
	430H		86	1092.2				
	450H		90	1143				
	465H		93	1181.1				
	480H		96	1219.2				
	490H	100 (25.4mm)	98	1244.6				
	510H		102	1295.4				
	530H		106	1346.2				
	540H		108	1371.6				-
	560H		112	1422.4				
	570H	150 (38.1mm)	114	1447.8				
	600H		120	1524				
	605H		121	1536.7				-
	630H		126	1600.2				
	640H		128	1625.6				-
	650H		130	1651				
	660H		132	1676.4				
	680H		136	1727.2				
	700H		140	1778				
	750H	200 (50.8mm)	150	1905				
	770H		154	1955.8				-
	800H		160	2032				
	810H		162	2057.4				
	840H		168	2133.6				-
	850H		170	2159				
	860H		172	2184.4				
	880H		176	2235.2				
	900H		180	2286				
	950H		190	2413				-
	1000H		200	2540				
	1100H		220	2794				
	1130H		226	2870.2				
	1250H		250	3175				
	1325H		265	3365.5				
	1350H		270	3429				-
	1400H		280	3556				
	1700H		340	4318				

Ordering Example

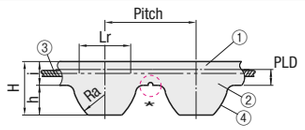
Part Number		
Type	Belt Number	Belt Nominal Width
TBN	210MXL	025
TUN	210L	050

High Torque Timing Belts (S2M, S3M, S5M, S8M, S14M)

■High Torque Timing Belts are compatible with High Torque Timing Pulleys on ☞P.1397~1408.



HTBN (Rubber)
HTUN (Polyurethane)



Type		Material
HTBN	①Back Rubber ②Tooth Rubber	Chloroprene Rubber
	③Core Wire	Fiberglass Cord S/Z Alternately Twisted Continuous
	④Tooth Fabric	Nylon Cloth
HTUN	①②④Main Body	Polyurethane
	③Core Wire	Aramid Fiber

Type	Pitch	Ra	Lr	H	h	i	PLD	Unit Mass g/m (Width: 10mm)
S2M	2	1.3	1.3	1.36	0.76	0.6	0.254	13.0(11.0)
S3M	3	1.95	1.95	1.94	1.14	0.8	0.381	19.0(15.0)
S5M	5	3.25	3.25	3.41	1.91	1.5	0.480	34.0
S8M	8	5.2	5.2	5.3	3.05	2.25	0.686	52.0
S14M	14	9.1	9.1	10.2	5.3	4.9	1.397	100.0

Values in ( ) are the unit mass of polyurethane.

RoHS

Operating Temp. Rubber: -30~90°C, Polyurethane: 0~80°C (Reference Value)
Although some tooth fabrics for S2M, S3M and S5M rubber belts (HTBN) are changed from black to brown to prevent rubber-dust generation, it does not affect the performance.
HTBN has no groove between teeth. (* Marked Parts)
Belt Circumference Length is the length of Core Wire.
HTUN - Polyurethane Type - cannot be used with tension from back side.
Features and Cautions ☞P.1375 How to select products, ☞P.2253.

■Type: S2M (Pitch: 2mm)

Type	Belt Number	Belt Nominal Width	Number of Teeth	Belt Circumference Length (mm)	Unit Price HTBN 40	HTBN 60	HTBN 100	HTUN 40	HTUN 60	HTUN 100
HTBN (Rubber)	76 S2M	40 (4mm)	38	76				-	-	-
	78 S2M		39	78						
	80 S2M		40	80						
	88 S2M		44	88				-	-	
	90 S2M		45	90						-
	100 S2M		50	100						
	112 S2M		56	112						
	116 S2M		58	116						
	118 S2M		59	118						
	122 S2M		61	122				-	-	-
	124 S2M		62	124						
	126 S2M		63	126						
	128 S2M		64	128						
	130 S2M		65	130				-	-	-
	132 S2M		66	132						
	134 S2M		67	134						
	138 S2M		69	138						
	140 S2M		70	140						
	142 S2M		71	142				-	-	-
	144 S2M		72	144						
	152 S2M		76	152				-	-	-
	160 S2M		80	160						
	164 S2M		82	164						
	166 S2M		83	166						
	172 S2M		86	172						
	176 S2M		88	176				-	-	-
	180 S2M		90	180						
	186 S2M		93	186				-	-	-
	190 S2M		95	190						
	194 S2M		97	194						
	200 S2M		100	200						
	204 S2M		102	204				-	-	-
	210 S2M		105	210						
	212 S2M		106	212						
	214 S2M		107	214				-	-	-
	218 S2M		109	218	-	-	-			
	220 S2M		110	220						
	224 S2M		112	224						
	230 S2M		115	230						
	234 S2M	60 (6mm)	117	234				-	-	-
	236 S2M		118	236						
	240 S2M		120	240	-	-	-			
HTUN (Polyurethane)	242 S2M		121	242						
	244 S2M		122	244						
	246 S2M		123	246						
	250 S2M		125	250						
	256 S2M	100 (10mm)	128	256				-	-	-
	260 S2M		130	260	-	-	-			
	266 S2M		133	266				-	-	-
	280 S2M		140	280						
	290 S2M		145	290						
	300 S2M		150	300				-	-	-
	320 S2M		160	320						
	324 S2M		162	324				-	-	-
	328 S2M		164	328						
	330 S2M		165	330						
	340 S2M		170	340				-	-	-
	360 S2M		180	360						
	370 S2M		185	370						
	380 S2M		190	380				-	-	-
	396 S2M		198	396	-	-	-			
	400 S2M		200	400				-	-	-
	436 S2M		218	436						
	448 S2M		224	448						
	486 S2M		243	486	-	-	-			
	488 S2M		244	488						
	500 S2M		250	500				-	-	-
	520 S2M		260	520						
	560 S2M		280	560						
	572 S2M		286	572				-		
	580 S2M		290	580	-	-				
	600 S2M		300	600				-	-	-
	630 S2M		315	630						
	710 S2M		355	710				-	-	-
	800 S2M		400	800						
	900 S2M		450	900				-	-	-
	984 S2M		492	984						
	1196 S2M		598	1196						
	1250 S2M		625	1250						
	1274 S2M		637	1274						
	1290 S2M		645	1290				-	-	-

■Type: S3M (Pitch: 3mm)

Type	Belt Number	Belt Nominal Width	Number of Teeth	Belt Circumference Length (mm)	Unit Price HTBN 60	HTBN 100	HTBN 150	HTUN 60	HTUN 100	HTUN 150
HTBN (Rubber)	120 S3M	60 (6mm)	40	120						
	123 S3M		41	123						
	129 S3M		43	129			-	-	-	-
	141 S3M		47	141						
	144 S3M		48	144						
	150 S3M		50	150				-	-	
	162 S3M		54	162						
	171 S3M		57	171				-	-	
	174 S3M		58	174						-
	177 S3M		59	177						
	180 S3M		60	180						
	186 S3M		62	186						
	189 S3M		63	189			-	-	-	
	192 S3M		64	192						-
	195 S3M		65	195				-	-	
	201 S3M		67	201						
	207 S3M		69	207				-	-	-
	210 S3M		70	210						
	213 S3M		71	213						
	219 S3M		73	219						
	222 S3M		74	222				-	-	
	225 S3M		75	225						-
	234 S3M		78	234				-	-	
	237 S3M		79	237						
	246 S3M		82	246						
	249 S3M		83	249	-	-	-			
	252 S3M		84	252						
	255 S3M		85	255						
	264 S3M		88	264						
	273 S3M		91	273				-	-	-
	276 S3M		92	276						
	279 S3M		93	279						
	285 S3M		95	285				-	-	-
	288 S3M		96	288						
	291 S3M		97	291						
	300 S3M		100	300						
	312 S3M		104	312						
	318 S3M		106	318						
	327 S3M		109	327	-	-	-			
	339 S3M		113	339				-	-	-
	345 S3M		115	345						
	354 S3M		118	354				-	-	-
HTUN (Polyurethane)	360 S3M		120	360	-	-	-			
	363 S3M		121	363						
	369 S3M		123	369						
	375 S3M		125	375						
	384 S3M		128	384				-	-	-
	387 S3M		129	387						
	396 S3M	100 (10mm)	132	396				-	-	-
	402 S3M		134	402	-	-	-			
	405 S3M		135	405						
	408 S3M		136	408						
	420 S3M		140	420						
	423 S3M		141	423				-	-	-
	432 S3M		144	432						
	453 S3M		151	453						
	456 S3M	150 (15mm)	152	456				-	-	-
	459 S3M		153	459						
	474 S3M		158	474						
	480 S3M		160	480				-	-	-
	483 S3M		161	483						
	486 S3M		162	486				-	-	-
	501 S3M		167	501						
	507 S3M		169	507				-	-	-
	519 S3M		173	519						
	525 S3M		175	525				-	-	-
	537 S3M		179	537						
	540 S3M		180	540						
	564 S3M		188	564	-	-	-			
	591 S3M		197	591						
	600 S3M		200	600						
	612 S3M		204	612				-	-	-
	633 S3M		211	633						
	645 S3M		215	645						
	660 S3M		220	660				-	-	-
	681 S3M		227	681	-	-	-			
	741 S3M		247	741						
	750 S3M		250	750						
	804 S3M		268	804						
	810 S3M		270	810						
	852 S3M		284	852				-	-	-
	900 S3M		300	900						
	918 S3M		306	918						
	1050 S3M		350	1050						
	1080 S3M		360	1080						
	1119 S3M		373	1119						
	1170 S3M		390	1170						
	1203 S3M		401	1203						
	1221 S3M		407	1221				-	-	-
	1236 S3M		412	1236						
	1245 S3M		415	1245						
	1260 S3M		420	1260						
	1290 S3M		430	1290						
	1299 S3M		433	1299						
	1332 S3M		444	1332						
	1401 S3M		467	1401						
	1596 S3M		532	1596				-	-	-
	1680 S3M		560	1680						
	1788 S3M		596	1788						
	2100 S3M		700	2100						

■Type: S5M (Pitch: 5mm)

Type	Belt Number	Belt Nominal Width	Number of Teeth	Belt Circumference Length (mm)	Unit Price HTBN 100	HTBN 150	HTBN 250
HTBN (Rubber)	225 S5M	100 (10mm)	45	225			
	230 S5M		46	230			
	255 S5M		51	255			
	260 S5M		52	260			
	295 S5M		59	295			
	300 S5M		60	300			
	305 S5M		61	305			
	320 S5M		64	320			
	325 S5M		65	325			
	340 S5M		68	340			
	350 S5M		70	350			
	360 S5M		72	360			
	370 S5M		74	370			
	375 S5M		75	375			
	380 S5M		76	380			
	390 S5M		78	390			
	400 S5M		80	400			
	415 S5M		83	415			
	425 S5M		85	425			
	435 S5M		87	435			
	440 S5M		88	440			
	450 S5M		90	450			
	475 S5M		95	475			
	490 S5M		98	490			
	500 S5M		100	500			
	520 S5M		104	520			
	525 S5M		105	525			
	530 S5M		106	530			
	545 S5M		109	545			
	550 S5M		110	550			
	560 S5M		112	560			
	575 S5M		115	575			
	590 S5M		118	590			
	595 S5M		119	595			
	600 S5M		120	600			
	625 S5M		125	625			
	640 S5M		128	640			
	650 S5M		130	650			
	665 S5M		133	665			
	670 S5M		134	670			
	675 S5M		135	675			
	690 S5M		138	690			
	695 S5M		139	695			
	700 S5M		140	700			
	710 S5M		142	710			
	720 S5M		144	720			
	725 S5M		145	725			
	730 S5M		146	730			
	740 S5M	150 (15mm)	148	740			
	750 S5M		150	750			
	765 S5M		153	765			
	780 S5M		156	780			
	800 S5M	250 (25mm)	160	800			
	810 S5M		162	810			
	830 S5M		166	830			
	845 S5M		169	845			
	850 S5M		170	850			
	870 S5M		174	870			
	890 S5M		178	890			
	900 S5M		180	900			
	930 S5M		186	930			
	950 S5M		190	950			
	975 S5M		195	975			
	1000 S5M		200	1000			
	1025 S5M		205	1025			
	1050 S5M		210	1050			
	1055 S5M		211	1055			
	1085 S5M		217	1085			
	1090 S5M		218	1090			
	1100 S5M		220	1100			
	1105 S5M		221	1105			
	1115 S5M		223	1115		-	
	1120 S5M		224	1120			
	1125 S5M		225	1125			
	1135 S5M		227	1135			
	1145 S5M		229	1145			
	1160 S5M		232	1160			
	1165 S5M		233	1165			
	1195 S5M		239	1195			
	1225 S5M		245	1225			
	1250 S5M		250	1250			
	1270 S5M		254	1270			
	1295 S5M		259	1295			
	1350 S5M		270	1350			
	1420 S5M		284	1420			
	1475 S5M		295	1475			
	1500 S5M		300	1500			
	1505 S5M		301	1505			
	1530 S5M		306	1530			
	1595 S5M		319	1595			
	1605 S5M		321	1605			
	1680 S5M		336	1680			
	1715 S5M		343	1715			
	1800 S5M		360	1800			
	2000 S5M		400	2000			
	2145 S5M		429	2145			
	2255 S5M		451	2255			
	2480 S5M		496	2480			

Ordering Example

Part Number			
Type	Belt Number	-	Belt Nominal Width
HTBN	2800 S14M	-	400
HTUN	225 S3M	-	100

■Type: S8M (Pitch: 8mm)

Type	Belt Number	Belt Nominal Width	Number of Teeth	Belt Circumference Length (mm)	Unit Price HTBN 150	HTBN 250	HTBN 300	HTBN 400
HTBN (Rubber)	480 S8M	150 (15mm)	60	480				
	520 S8M		65	520				
	560 S8M		70	560				
	584 S8M		73	584				
	600 S8M		75	600				
	632 S8M		79	632				
	656 S8M		82	656				
	712 S8M		89	712				
	720 S8M		90	720				
	760 S8M		95	760				
	800 S8M		100	800				
	824 S8M		103	824				
	848 S8M		106	848				
	880 S8M		110	880				
	896 S8M		112	896				
	920 S8M		115	920				
	944 S8M		118	944				
	960 S8M		120	960				
	976 S8M		122	976				
	1000 S8M		125	1000				
	1040 S8M		130	1040				
	1056 S8M		132	1056				
	1080 S8M		135	1080				
	1120 S8M	250 (25mm)	140	1120				
	1136 S8M		142	1136				
	1160 S8M		145	1160				
	1200 S8M	300 (30mm)	150	1200				
	1248 S8M		156	1248				
	1280 S8M		160	1280				
	1304 S8M		163	1304				
	1360 S8M	400 (40mm)	170	1360				
	1400 S8M		175	1400				
	1440 S8M		180	1440				
	1480 S8M		185	1480				
	1520 S8M		190	1520				
	1600 S8M		200	1600				
	1680 S8M		210	1680				
	1760 S8M		220	1760				
	1800 S8M		225	1800				
	1912 S8M		239	1912				
	2000 S8M		250	2000				
	2240 S8M		280	2240				
	2304 S8M		288	2304				
	2400 S8M		300	2400				
	2496 S8M		312	2496				
	2600 S8M		325	2600				
	2800 S8M		350	2800				
	3200 S8M		400	3200				
	3680 S8M		460	3680				
	4400 S8M		550	4400				

■Type: S14M (Pitch: 14mm)

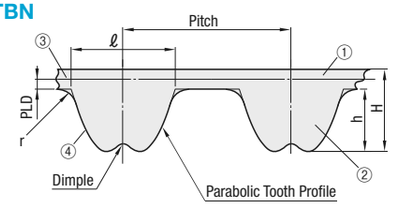
Type	Belt Number	Belt Nominal Width	Number of Teeth	Belt Circumference Length (mm)	Unit Price HTBN 400	HTBN 600
HTBN (Rubber)	1008 S14M	400 (40mm)	72	1008		
	1120 S14M		80	1120		
	1190 S14M		85	1190		
	1246 S14M		89	1246		
	1400 S14M		100	1400		
	1540 S14M		110	1540		
	1610 S14M		115	1610		
	1652 S14M		118	1652		
	1778 S14M		127	1778		
	1806 S14M	600 (60mm)	129	1806		
	1890 S14M		135	1890		
	2100 S14M		150	2100		
	2310 S14M		165	2310		
	2450 S14M		175	2450		
	2590 S14M		185	2590		
	2660 S14M		190	2660		
	2800 S14M		200	2800		
	3500 S14M		250	3500		
	3850 S14M		275	3850		
	4508 S14M		322	4508		
	5012 S14M		358	5012		

High Torque Timing Belts (P2M, P3M, P5M, P8M)

■High Torque Timing Belts are compatible with High Torque Timing Pulleys on ☞ **P.1409~1414**.



PTBN



Type	Material
PTBN	①Back Rubber / ②Tooth Rubber: Chloroprene Rubber ③Core Wire: Glass Fiber ④Tooth Fabric: Nylon Cloth

Type	Pitch	L	H	h	PLD	r	Unit Mass g/m (Width: 10mm)
P2M	2	1.30	1.3	0.73	0.254	0.2	14.0
P3M	3	1.95	2.1	1.09	0.381	0.3	22.0
P5M	5	3.25	3.6	1.81	0.571	0.5	41.0
P8M	8	5.20	5.5	2.90	0.686	0.8	56.0

- Operating Temp.: -25~80°C (Reference Value)
- Belt Circumference Length is the length of Core Wire.
- Features and Cautions ☞ **P.1375**
- How to select products, ☞ **P.2253**

■Type: P2M (Pitch: 2mm)

Type	Belt Number	Nominal Width	Number of Teeth	Belt Circumference Length (mm)	Unit Price Nominal Width 060
PTBN	80 P2M	060 (6mm)	40	80	
	84 P2M		42	84	
	88 P2M		44	88	
	98 P2M		49	98	
	100 P2M		50	100	
	112 P2M		56	112	
	116 P2M		58	116	
	118 P2M		59	118	
	124 P2M		62	124	
	126 P2M		63	126	
	132 P2M		66	132	
	134 P2M		67	134	
	136 P2M		68	136	
	140 P2M		70	140	
	142 P2M		71	142	
	144 P2M		72	144	
	146 P2M		73	146	
	152 P2M		76	152	
	154 P2M		77	154	
	160 P2M		80	160	
	162 P2M		81	162	
	166 P2M		83	166	
	170 P2M		85	170	
	172 P2M		86	172	
	176 P2M		88	176	
	180 P2M		90	180	
	186 P2M		93	186	
	190 P2M		95	190	
	196 P2M		98	196	
	200 P2M		100	200	
	204 P2M		102	204	
	208 P2M		104	208	
	212 P2M		106	212	
	214 P2M		107	214	
	216 P2M		108	216	
	220 P2M		110	220	
	224 P2M		112	224	
	230 P2M		115	230	
	234 P2M		117	234	
	236 P2M		118	236	
	240 P2M		120	240	
	244 P2M		122	244	
	246 P2M		123	246	
	250 P2M		125	250	
	258 P2M		129	258	
	262 P2M		131	262	
	266 P2M		133	266	
	270 P2M		135	270	
	274 P2M		137	274	
	280 P2M		140	280	
	284 P2M		142	284	
	290 P2M		145	290	
	300 P2M		150	300	
	302 P2M		151	302	
	310 P2M		155	310	
	318 P2M		159	318	
	320 P2M		160	320	
	324 P2M		162	324	
	328 P2M		164	328	
	330 P2M		165	330	
	334 P2M		167	334	
	340 P2M		170	340	
	348 P2M		174	348	
	354 P2M		177	354	
	360 P2M		180	360	
	370 P2M		185	370	
	378 P2M		189	378	
	380 P2M		190	380	
	390 P2M		195	390	
	400 P2M		200	400	
	408 P2M		204	408	
	416 P2M		208	416	
	420 P2M		210	420	
	424 P2M		212	424	
	426 P2M		213	426	
	434 P2M		217	434	
	440 P2M		220	440	
	448 P2M		224	448	
	464 P2M		232	464	
	488 P2M		244	488	
	490 P2M		245	490	
	500 P2M		250	500	
	516 P2M		258	516	
	520 P2M		260	520	
	530 P2M		265	530	
	560 P2M		280	560	
	576 P2M		288	576	
	590 P2M		295	590	
	600 P2M		300	600	
	630 P2M		315	630	
	638 P2M		319	638	
	656 P2M		328	656	
	676 P2M		338	676	
	680 P2M		340	680	
	704 P2M		352	704	
	710 P2M		355	710	
	754 P2M		377	754	
	764 P2M		382	764	
	774 P2M		387	774	
	788 P2M		394	788	
	800 P2M		400	800	
	808 P2M		404	808	
	824 P2M		412	824	
	846 P2M		423	846	
	866 P2M		433	866	
	898 P2M		449	898	
	900 P2M		450	900	
	940 P2M		470	940	
	956 P2M		478	956	
	992 P2M		496	992	
	1040 P2M		520	1040	
	1242 P2M		641	1242	

Ordering Example

Part Number			
Type	Belt Number		Belt Nominal Width
PTBN	200	P2M	- 060

■Type: P3M (Pitch: 3mm)

Type	Belt Number	Nominal Width	Number of Teeth	Belt Circumference Length (mm)	Unit Price Nominal Width 100	150
PTBN	120 P3M	100 (10mm)	40	120		
	123 P3M		41	123		
	138 P3M		46	138		
	141 P3M		47	141		
	144 P3M		48	144		
	147 P3M		49	147		
	150 P3M		50	150		
	153 P3M		51	153		
	159 P3M		53	159		
	162 P3M		54	162		
	171 P3M		57	171		
	174 P3M		58	174		
	177 P3M		59	177		
	183 P3M		61	183		
	186 P3M		62	186		
	192 P3M		64	192		
	195 P3M		65	195		
	198 P3M		66	198		
	201 P3M		67	201		
	207 P3M		69	207		
	210 P3M	150 (15mm)	70	210		
	213 P3M		71	213		
	219 P3M		73	219		
	222 P3M		74	222		
	225 P3M		75	225		
	231 P3M		77	231		
	234 P3M		78	234		
	237 P3M		79	237		
	240 P3M		80	240		
	243 P3M		81	243		
	246 P3M		82	246		
	252 P3M		84	252		
	255 P3M		85	255		
	264 P3M		88	264		
	270 P3M		90	270		
	273 P3M		91	273		
	276 P3M	100 (10mm)	92	276		
	279 P3M		93	279		
	285 P3M		95	285		
	288 P3M		96	288		
	291 P3M		97	291		
	294 P3M		98	294		
	300 P3M		100	300		
	303 P3M		101	303		
	306 P3M		102	306		
	309 P3M		103	309		
	312 P3M		104	312		
	318 P3M		106	318		
	330 P3M		110	330		
	339 P3M		113	339		
	345 P3M		115	345		
	354 P3M		118	354		
	360 P3M		120	360		
	363 P3M		121	363		
	369 P3M		123	369		
	372 P3M		124	372		
	384 P3M	150 (15mm)	128	384		
	387 P3M		129	387		
	393 P3M		131	393		
	399 P3M		133	399		
	402 P3M		134	402		
	411 P3M		137	411		
	420 P3M		140	420		
	423 P3M		141	423		
	432 P3M		144	432		
	447 P3M		149	447		
	450 P3M		150	450		
	453 P3M		151	453		
	459 P3M		153	459		
	477 P3M		159	477		
	483 P3M		161	483		
	486 P3M		162	486		
	489 P3M	100 (10mm)	163	489		
	501 P3M		167	501		
	504 P3M		168	504		
	507 P3M		169	507		
	510 P3M		170	510		
	525 P3M		175	525		
	537 P3M		179	537		
	552 P3M		184	552		
	561 P3M		187	561		
	588 P3M		196	588		
	600 P3M		200	600		
	633 P3M		211	633		
	660 P3M		220	660		
	675 P3M		225	675		
	681 P3M		227	681		
	693 P3M		231	693		
	699 P3M		233	699		
	738 P3M	150 (15mm)	246	738		
	753 P3M		251	753		
	756 P3M		252	756		
	789 P3M		263	789		
	804 P3M		268	804		
	852 P3M		284	852		
	861 P3M		287	861		
	879 P3M		293	879		
	891 P3M		297	891		
	918 P3M		306	918		
	933 P3M		311	933		
	948 P3M		316	948		
	957 P3M		319	957		
	1005 P3M		335	1005		
	1023 P3M		341	1023		
	1041 P3M		347	1041		
	1050 P3M		350	1050		
	1191 P3M		397	1191		-

■Type: P5M (Pitch: 5mm)

Type	Belt Number	Nominal Width	Number of Teeth	Belt Circumference Length (mm)	Unit Price Nominal Width 100	150
PTBN	215 P5M	100 (10mm)	43	215		
	225 P5M		45	225		
	255 P5M		51	255		
	260 P5M		52	260		
	275 P5M		55	275		
	295 P5M		59	295		
	300 P5M		60	300		
	310 P5M		62	310		
	320 P5M		64	320		
	325 P5M		65	325		
	340 P5M		68	340		
	350 P5M		70	350		
	370 P5M		74	370		
	375 P5M		75	375		
	400 P5M		80	400		
	420 P5M		84	420		
	425 P5M		85	425		
	430 P5M		86	430		
	440 P5M		88	440		
	450 P5M	150 (15mm)	90	450		
	475 P5M		95	475		
	490 P5M		98	490		
	500 P5M		100	500		
	515 P5M		103	515		
	520 P5M		104	520		
	525 P5M		105	525		
	530 P5M		106	530		
	550 P5M		110	550		
	555 P5M		111	555		
	560 P5M		112	560		
	565 P5M		113	565		
	570 P5M		114	570		
	575 P5M		115	575		
	595 P5M		119	595		
	600 P5M	100 (10mm)	120	600		
	605 P5M		121	605		
	625 P5M		125	625		
	635 P5M		127	635		
	645 P5M		129	645		
	650 P5M		130	650		
	670 P5M		134	670		
	675 P5M		135	675		
	690 P5M		138	690		
	695 P5M		139	695		
	700 P5M		140	700		
	710 P5M		142	710		
	725 P5M		145	725		
	730 P5M		146	730		
	740 P5M		148	740		
	750 P5M		150	750		
	765 P5M		153	765		
	780 P5M		156	780		
	800 P5M		160	800		
	810 P5M	150 (15mm)	162	810		
	830 P5M		166	830		
	835 P5M		167	835		
	850 P5M		170	850		
	865 P5M		173	865		
	900 P5M		180	900		
	905 P5M		181	905		
	940 P5M		188	940		
	950 P5M		190	950		
	965 P5M		193	965		
	985 P5M		197	985		
	1000 P5M		200	1000		
	1025 P5M		205	1025		
	1050 P5M		210	1050		

■Type: P8M (Pitch: 8mm)

Type	Belt Number	Nominal Width	Number of Teeth	Belt Circumference Length (mm)	Unit Price Nominal Width 150	250
PTBN	376 P8M	150 (15mm)	47	376		
	392 P8M		49	392		
	440 P8M		55	440		
	480 P8M		60	480		
	512 P8M		64	512		
	520 P8M		65	520		
	536 P8M		67	536		
	560 P8M		70	560		
	584 P8M		73	584		
	600 P8M		75	600		
	632 P8M		79	632		
	640 P8M		80	640		
	656 P8M		82	656		
	680 P8M		85	680		
	712 P8M		89	712		
	720 P8M		90	720		
	752 P8M		94	752		
	760 P8M		95	760		
	800 P8M		100	800		
	832 P8M		104	832		
	840 P8M		105	840		
	848 P8M		106	848		
	856 P8M		107	856		
	880 P8M		110	880		
	896 P8M	250 (25mm)	112	896		
	912 P8M		114	912		
	920 P8M		115	920		
	936 P8M		117	936		
	944 P8M		118	944		
	960 P8M		120	960		
	984 P8M		123	984		
	1000 P8M		125	1000		
	1040 P8M		130	1040		
	1056 P8M		132	1056		
	1080 P8M		135	1080		
	1192 P8M		149	1192		-
	1440 P8M		180	1440	-	
	2064 P8M		258	2064		-
	2496 P8M		312	2496		-
	2600 P8M		325	2600		-
	2800 P8M		350	2800		-
	3048 P8M		381	3048		-
	3200 P8M		400	3200		-

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

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.



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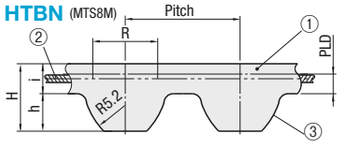
HTBN (MTS8M)

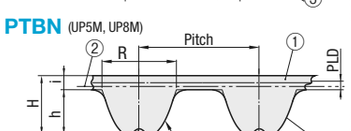


Belt Circumference Length is the length of Core Wire.
Features and Cautions ☞P.1375
Selection Method ☞P.2253

Type	Material	
HTBN	①Rubber	High Hardness Synthetic Rubber: Hardness 88°
	②Core Wire	Glass Core Wire
	③Cloth	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	①Rubber	Chloroprene Rubber
	②Core Wire	Glass Core Wire
	③Cloth	Nylon Cloth

Operating Temp: -15~80°C
Applicable to Timing Pulleys P5M and P8M. ☞P.1411~P.1414
Rubber color of UP5M on the back side is black and that of LP8M is blue.

Type	Pitch	l	H	h	i	PLD	Unit Mass g/m (Width: 10mm)
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: 10mm)
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: 8mm)

Type	Part Number: Belt Number	Belt Nominal Width	Number of Teeth	Belt Circumference Length (mm)	Unit Price: Belt Nominal Width 150	250	300	400
HTBN (Rubber)	528-MTS8M	150 (15mm)	66	528				
	560-MTS8M		70	560				
	584-MTS8M		73	584				
	600-MTS8M		75	600				
	632-MTS8M		79	632				
	640-MTS8M		80	640				
	656-MTS8M		82	656				
	712-MTS8M		89	712				
	720-MTS8M		90	720				
	760-MTS8M		95	760				
	800-MTS8M		100	800				
	824-MTS8M		103	824				
	848-MTS8M		106	848				
	856-MTS8M		107	856				
	880-MTS8M		110	880				
	896-MTS8M		112	896				
	920-MTS8M		115	920				
	928-MTS8M		116	928				
	944-MTS8M		118	944				
	960-MTS8M		120	960				
	976-MTS8M		122	976				
	1000-MTS8M	250 (25mm)	125	1000				
	1024-MTS8M		128	1024				
	1056-MTS8M		132	1056				
	1080-MTS8M		135	1080				
	1120-MTS8M		140	1120				
	1152-MTS8M	300 (30mm)	144	1152				
	1160-MTS8M		145	1160				
	1200-MTS8M		150	1200				
	1216-MTS8M		152	1216				
	1248-MTS8M		156	1248				
	1280-MTS8M		160	1280				
	1304-MTS8M	400 (40mm)	163	1304				
	1320-MTS8M		165	1320				
	1352-MTS8M		169	1352				
	1360-MTS8M		170	1360				
	1400-MTS8M		175	1400				
	1480-MTS8M		185	1480				
	1520-MTS8M		190	1520				
	1600-MTS8M		200	1600				
	1640-MTS8M		205	1640				
	1680-MTS8M		210	1680				
	1760-MTS8M		220	1760				
	1800-MTS8M		225	1800				
	1880-MTS8M		235	1880				
	1960-MTS8M		245	1960				
	2000-MTS8M		250	2000				
	2064-MTS8M		258	2064				
	2400-MTS8M		300	2400				
	2600-MTS8M		325	2600				
	2800-MTS8M		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 pc(s). Belt Nominal Width 100	150
PTBN (Rubber)	215-UP5M	100 (10mm)	43	215		
	225-UP5M		45	225		
	255-UP5M		51	255		
	260-UP5M		52	260		
	275-UP5M		55	275		
	295-UP5M		59	295		
	300-UP5M		60	300		
	310-UP5M		62	310		
	320-UP5M		64	320		
	325-UP5M		65	325		
	340-UP5M		68	340		
	350-UP5M		70	350		
	370-UP5M		74	370		
	375-UP5M		75	375		
	400-UP5M		80	400		
	420-UP5M		84	420		
	425-UP5M		85	425		
	430-UP5M		86	430		
	440-UP5M		88	440		
	450-UP5M		90	450		
	475-UP5M		95	475		
	490-UP5M		98	490		
	500-UP5M		100	500		
	515-UP5M		103	515		
	520-UP5M	150 (15mm)	104	520		
	525-UP5M		105	525		
	530-UP5M		106	530		
	550-UP5M		110	550		
	560-UP5M		112	560		
	575-UP5M		115	575		
	595-UP5M		119	595		
	600-UP5M		120	600		
	605-UP5M		121	605		
	635-UP5M		127	635		
	650-UP5M		130	650		
	670-UP5M		134	670		
	675-UP5M		135	675		
	690-UP5M		138	690		
	725-UP5M		145	725		
	740-UP5M		148	740		
	750-UP5M		150	750		
	780-UP5M		156	780		
	800-UP5M		160	800		
	835-UP5M		167	835		
	850-UP5M		170	850		
	900-UP5M		180	900		
	1000-UP5M		200	1000		
	1050-UP5M		210	1050		

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

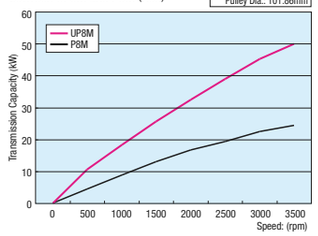
Type: UP8M (Pitch: 8mm)

Type	Part Number: Belt Number	Belt Nominal Width	Number of Teeth	Belt Circumference Length (mm)	Unit Price 1 ~ 4 pc(s). Belt Nominal Width 150	250
PTBN (Rubber)	480-UP8M	150 (15mm)	60	480		
	512-UP8M		64	512		
	520-UP8M		65	520		
	536-UP8M		67	536		
	560-UP8M		70	560		
	584-UP8M		73	584		
	600-UP8M		75	600		
	632-UP8M		79	632		
	640-UP8M		80	640		
	680-UP8M		85	680		
	712-UP8M		89	712		
	720-UP8M	250 (25mm)	90	720		
	760-UP8M		95	760		
	800-UP8M		100	800		
	832-UP8M		104	832		
	840-UP8M		105	840		
	856-UP8M		107	856		
	880-UP8M		110	880		
	960-UP8M		120	960		
	1040-UP8M		130	1040		
	1080-UP8M		135	1080		

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

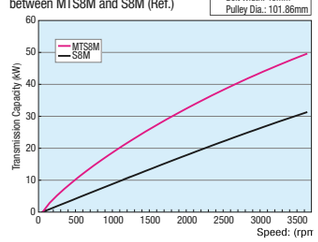
Comparison of Transmission Capacity between UP8M and P8M (Ref.)

Comparison Conditions
Belt Width: 40mm
Pulley Dia.: 101.86mm



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

Comparison Conditions
Belt Width: 40mm
Pulley Dia.: 101.86mm

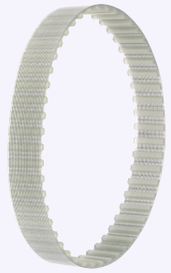


Ordering Example

Part Number			
Type	Belt Number		Belt Nominal Width
HTBN	1800-MTS8M	-	400
PTBN	960-UP8M	-	250

Timing Belts (T5, T10)

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.



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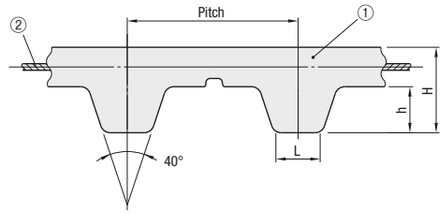


	Material
① Main Body	Polyurethane
② Core Wire	Steel Cord

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: T5 (Pitch: 5mm)

Type	Part Number: Belt Number	Belt Nominal Width	Number of Teeth	Belt Circumference Length (mm)	Unit Price: Belt Nominal Width 100	150	200	250
TTBU	185T5	100 (10mm)	37	185				
	200T5		40	200				
	225T5		45	225				
	250T5		50	250				
	275T5		55	275				
	280T5		56	280				
	295T5		59	295				
	300T5		60	300				
	325T5		65	325				
	350T5		70	350				
	375T5		75	375				
	400T5		80	400				
	425T5		85	425				
	440T5		88	440				
	450T5		90	450				
	475T5		95	475				
	500T5		100	500				
	525T5		105	525				
	550T5	150 (15mm)	110	550				
	575T5		115	575				
	590T5		118	590				
	600T5		120	600				
	625T5	200 (20mm)	125	625				
	630T5		126	630				
	650T5		130	650				
	675T5		135	675				
	690T5	250 (25mm)	138	690				
	700T5		140	700				
	725T5		145	725				
	750T5		150	750				
	780T5		156	780				
	800T5		160	800				
	850T5		170	850				
	900T5		180	900				
	1000T5		200	1000				
	1075T5		215	1075				
	1090T5		218	1090				
	1100T5		220	1100				
	1115T5		223	1115				
	1215T5		243	1215				
	1350T5		270	1350				
	1380T5		276	1380				

Type: T10 (Pitch: 10mm)

Type	Part Number: Belt Number	Belt Nominal Width	Number of Teeth	Belt Circumference Length (mm)	Unit Price: Belt Nominal Width 150	200	250	300	400	500
TTBU	400T10	150 (15mm)	40	400						
	450T10		45	450						-
	500T10		50	500						
	530T10		53	530						-
	550T10		55	550						
	560T10		56	560						
	600T10		60	600						
	630T10		63	630						-
	650T10		65	650						
	700T10		70	700						
	720T10	200 (20mm)	72	720						
	750T10		75	750						
	800T10		80	800						
	850T10		85	850						
	900T10		90	900						-
	910T10		91	910						-
	920T10	250 (25mm)	92	920						
	950T10		95	950						
	960T10		96	960						-
	980T10		98	980						
	1000T10	300 (30mm)	100	1000						
	1050T10		105	1050						
	1100T10		110	1100						-
	1150T10	400 (40mm)	115	1150						
	1200T10		120	1200						
	1250T10		125	1250						
	1300T10		130	1300						-
	1320T10		132	1320						
	1350T10		135	1350						
	1400T10	500 (50mm)	140	1400						
	1450T10		145	1450						
	1500T10		150	1500						-
	1600T10		160	1600						
	1700T10		170	1700						
	1750T10		175	1750						
	1800T10		180	1800						-
	1880T10		188	1880						

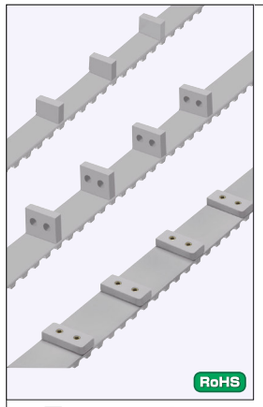
Ordering Example

Part Number			
Type	Belt Number		Belt Nominal Width
TTBU	550 T5	-	100

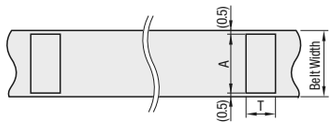
Timing Belts with Attachments (T5, T10)

Jointing Process

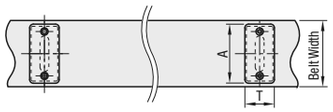
■**Features:** Attachments are thermally bonded to the backside of the Timing Belt enabling constant pitch conveyance of various work pieces.
■Timing Belt with Attachment T5 is compatible with Timing Pulley T5 on P.1417 and Timing Belt with Attachment T10 is compatible with Timing Pulley T10 on P.1419.

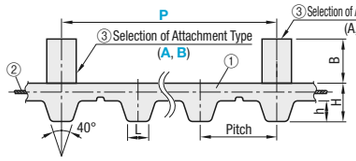


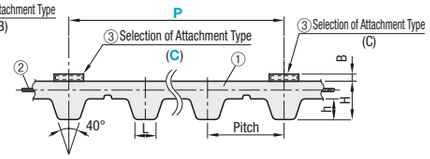
ATBT • Attachment B



• Attachment C (with Tapped Holes)

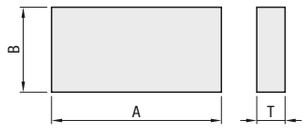






■Attachment Shape Details

• Attachment A

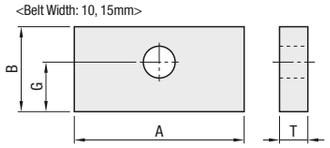


	Material
①Main Body	Polyurethane (for Joint Process)
②Core Wire	Aramid Core Wire
②Attachment	Polyurethane (for Joint Process)

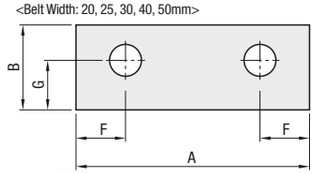
Type	Pitch	H	h	L
T5	5	2.2	1.2	1.8
T10	10	4.5	2.5	3.5

• Attachment B

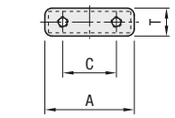
<Belt Width: 10, 15mm>

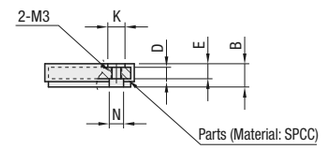


<Belt Width: 20, 25, 30, 40, 50mm>



• Attachment C (with Tapped Holes)





• Attachment A Dimension

Type	Belt Width	A	B	T	Belt Unit Mass g/m (Width:10mm)	Attachment Weight (g)
T5	10mm	9	10	3	20.0	0.34
	15mm	14				0.52
	20mm	19				0.71
	25mm	24				0.89
T10	15mm	14	10	5	40.0	0.86
	20mm	19				1.17
	25mm	24	15			1.47
	30mm	29				2.67
	40mm	39				3.59
	50mm	49	20			6.02

* B dimension is a dimension after adhesion.

• Attachment B Dimension

Type	Belt Width	A	B	Through Hole	G	F	T	Belt Unit Mass g/m (Width:10mm)	Attachment Weight (g)
T5	10mm	9	10	3.5	5.5	-	3	20.0	0.30
	15mm	14	15	4.5	9	5			0.72
	20mm	19		2-4.5		6			0.94
	25mm	24	20	2-5.5	13				1.61
T10	15mm	14	15	4.5	9	-	5	40.0	1.19
	20mm	19		2-4.5		5			1.55
	25mm	24	20	2-5.5	13	6			2.66
	30mm	29		2-6.5		7			3.15
	40mm	39							4.38
	50mm	49							5.61

* B and G dimensions are dimensions after adhesion.

• Attachment C Dimension

Type	Belt Width	A	B	T	C	D	E	K	N	Belt Unit Mass g/m (Width:10mm)	Attachment Weight (g)
T10	25mm	25.0	6.5	7.8	15.0	3.2	5.0	4.8	4.0	40.0	3.9
	30mm										
	40mm										
	50mm										

- Operating Temp.: -20 ~ 70°C (Reference Value)
- Attachment is mounted on the backside above the belt teeth.
- Attachment C is mounted nearly on the center of the belt.



- Jointing process reduces allowable tension to approx. 50% of Open End Belts.
- Adhesion burrs occur at the base of the adhered attachment.

- For material properties of polyurethane for joint process, see P.1478.
- For allowable tension of belts and design data, see P.2253.
- If the attachments are to receive vibrations or large loads, test the applicability before using.

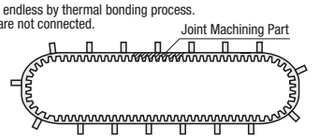
• Mounting Pitch Tolerance of Attachment (Unit: mm)

Mounting Pitch	Tolerance of Mounting Pitch
30~200	±0.5
300~	±1.0

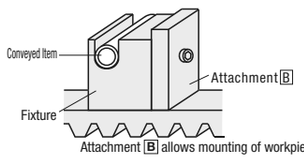
• Attachment Dimension Tolerance (Unit: mm)

Dimension	Dimension Tolerance
A	±0.5
B	±0.5
T	±0.5
C	±0.1

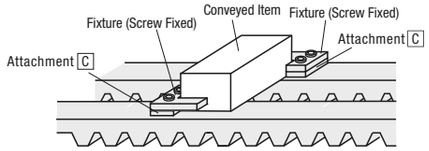
■Jointing Process
Open ended belts are made endless by thermal bonding process.
Core wires of the joint part are not connected.



Example



Attachment B allows mounting of workpiece specific fixtures.



Attachment C allows screw-mounting of fixtures/brackets from above, providing freedom in workpiece heights and shapes.

■Type: T5 (Pitch: 5mm)

Part Number Type	Belt Number	Belt Nominal Width	Attachment Type	Attachment Mounting Pitch P	Number of Teeth	Circumference Length (mm)	Body Price 1~5 pc(s). Belt Nominal Width 100	150	200	250
ATBT	700T5	100 (10mm)	A	30	140	700				
	750T5				150	750				
	800T5				160	800				
	850T5				170	850				
	900T5				180	900				
	950T5			50~1200 (50mm Increment)	190	950				
	1000T5				200	1000				
	1050T5				210	1050				
	1100T5				220	1100				
	1150T5				230	1150				
	1200T5				240	1200				
	1250T5	150 (15mm)			250	1250				
	1300T5				260	1300				
	1350T5				270	1350				
	1400T5				280	1400				
	1450T5				290	1450				
	1500T5				300	1500				
	1550T5			50~1950 (50mm Increment)	310	1550				
	1600T5				320	1600				
	1650T5				330	1650				
	1700T5				340	1700				
	1750T5				350	1750				
	1800T5				360	1800				
	1850T5				370	1850				
	1900T5				380	1900				
	1950T5				390	1950				
	2000T5	200 (20mm)			400	2000				
	2050T5				410	2050				
	2100T5				420	2100				
	2150T5				430	2150				
	2200T5				440	2200				
	2250T5	250 (25mm)			450	2250				
	2300T5				460	2300				
	2350T5				470	2350				
	2400T5				480	2400				
	2450T5				490	2450				
	2500T5		B		500	2500				
	2550T5				510	2550				
	2600T5				520	2600				
	2650T5				530	2650				
	2700T5				540	2700				
	2750T5				550	2750				
	2800T5				560	2800				
	2850T5				570	2850				
	2900T5				580	2900				
	2950T5				590	2950				
	3000T5			100~4000 (50mm Increment)	600	3000				
	3050T5				610	3050				
	3100T5				620	3100				
	3150T5				630	3150				
	3200T5				640	3200				
	3250T5				650	3250				
	3300T5				660	3300				
	3350T5				670	3350				
	3400T5				680	3400				
	3450T5				690	3450				
	3500T5				700	3500				
	3550T5				710	3550				
	3600T5				720	3600				
	3650T5				730	3650				
	3700T5				740	3700				
	3750T5				750	3750				
	3800T5				760	3800				
	3850T5				770	3850				
	3900T5				780	3900				
	3950T5				790	3950				
	4000T5				800	4000				

■Type: T10 (Pitch: 10mm)

Part Number Type	Belt Number	Belt Nominal Width	Attachment Type	Attachment Mounting Pitch P	Number of Teeth	Circumference Length (mm)	Body Price 1~5 pc(s). Belt Nominal Width 150	200	250	300	400	500
ATBT	700T10	150 (15mm)	A	50~2400 (50mm Increment)	70	700						
	750T10				75	750						
	800T10				80	800						
	850T10				85	850						
	900T10				90	900						
	950T10				95	950						
	1000T10				100	1000						
	1050T10				105	1050						
	1100T10				110	1100						
	1150T10				115	1150						
	1200T10				120	1200						
	1250T10				125	1250						
	1300T10				130	1300						
	1350T10				135	1350						
	1400T10				140	1400						
	1450T10				145	1450						
	1500T10				150	1500						
	1550T10				155	1550						
	1600T10				160	1600						
	1650T10				165	1650						
	1700T10				170	1700						
	1750T10				175	1750						
	1800T10				180	1800						
	1850T10				185	1850						
	1900T10	200 (20mm)			190	1900						
	1950T10				195	1950						
	2000T10		A		200	2000						
	2050T10				205	2050						
	2100T10				210	2100						
	2150T10				215	2150						
	2200T10	250 (25mm)			220	2200						
	2250T10				225	2250						
	2300T10				230	2300						
	2350T10		B		235	2350						
	2400T10				240	2400						
	2450T10	300 (30mm)			245	2450						
	2500T10				250	2500						
	2550T10				255	2550						
	2600T10				260	2600						
	2650T10				265	2650						
	2700T10		C		270	2700						
	2750T10	400 (40mm)			275	2750						
	2800T10				280	2800						
	2850T10				285	2850						
	2900T10				290	2900						
	2950T10				295	2950						
	3000T10	500 (50mm)			300	3000						
	3050T10				305	3050						
	3100T10				310	3100						
	3150T10				315	3150						
	3200T10			100~4000 (50mm Increment)	320	3200						
	3250T10				325	3250						
	3300T10				330	3300						
	3350T10				335	3350						
	3400T10				340	3400						
	3450T10				345	3450						
	3500T10				350	3500						
	3550T10				355	3550						
	3600T10				360	3600						
	3650T10				365	3650						
	3700T10				370	3700						
	3750T10				375	3750						
	3800T10				380	3800						
	3850T10				385	3850						
	3900T10				390	3900						
	3950T10				395	3950						
	4000T10				400	4000						

- Attachments are available from one piece.
- When specifying one attachment, select a mounting pitch of the same number as belt number.
- Specify attachment mounting pitch that the belt circumference length is divisible by integers.

(Ex.) For T5 with Belt Circumference Length of 1050mm
○ 1050/30=35 ○ 1050/50=21
× 1050/100=10.5 ○ 1050/350=3

Attachment Mounting Pitch
30, 50 and 350 are selectable.
100 is not selectable.

Attachment Machining Charge (T5)

Belt Nominal Width	Attachment Adhesion Charge (Body Price +) A	B
100		
150		
200		
250		

Attachment Machining Charge (T10)

Belt Nominal Width	Attachment Adhesion Charge (Body Price +) A	B	C
150			-
200			
250			
300			
400			
500			

Ordering Example

Part Number Type	Belt Number	Belt Nominal Width	Attachment Type (A, B, C)	Attachment Mounting Pitch P
ATBT	1200T10	200	A	P100
ATBT	2450T10	300	C	P2450

Alterations

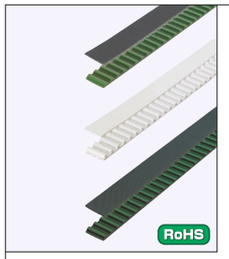
Part Number	Attachment Type	P	(NB)
ATBT-1200T10200	A	P100	NB

Alteration Code	Removal of Adhesion Burrs NB
Spec.	Removes adhesion burrs at the base of attachments

Long Timing Belts - Polyurethane

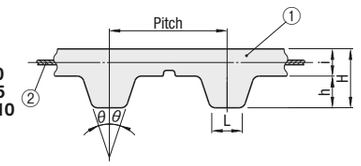
Tooth Count Configurable Jointing Process

■**Features:** The belt length is selectable as desired, and suitable for a long span synchronous conveyance.
■Long Timing Belts are compatible with Timing Pulleys on ☞ P.1393~1422.

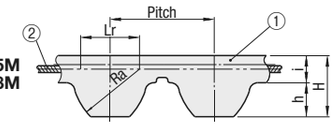


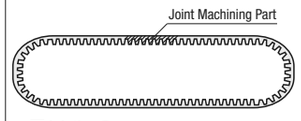
LTBJ (Standard)

L
H
T5
T10
AT5
AT10



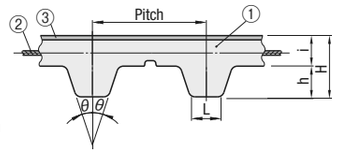
S5M
S8M



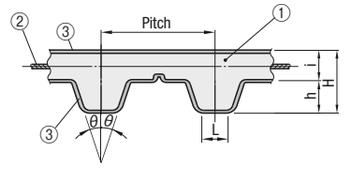


■**Jointing Process**
Open ended belts are made endless by thermal bonding process.
Core wires of the joint part are not connected.

LTBN (Backside Cloth Lined)



LTBR (Both Sides Cloth Lined)



■**Features of Cloth Lined Belts**
Backside Cloth Lined: Reduces friction coefficient of conveyed items and is suitable for accumulation conveyance.
Both Sides Cloth Lined: Reduces friction coefficient between conveyed materials and pulleys and cuts noise.

Type	Type	Material		
		①Main Body	②Core Wire	③Cloth
LTBJ	Standard	Polyurethane (for Joint Process)	T5, T10, L, H, S5M, S8M: Aramid Core Wire AT5, AT10: Steel Cord	-
LTBN	Backside Cloth Lined			Nylon Cloth
LTBR	Both Sides Cloth Lined			

Belt Type	Pitch	2θ(°)	H	h	i	L	Unit Mass g/m (Width: 10mm)		
							Standard	Backside Cloth Lined	Both Sides Cloth Lined
L	9.525	40°	3.6	1.91	1.69	3.25	29.1	28.8	-
H	12.7	40°	4.36	2.29	2.07	4.4	36.2	33.8	-
T5	5	40°	2.2	1.2	1.0	1.8	19.0	-	20.0
T10	10	40°	4.5	2.5	2.0	3.5	37.7	34.5	32.5
AT5	5	50°	2.7	1.2	1.5	2.5	32.0	-	-
AT10	10	50°	4.5	2.5	2.0	5.0	58.6	-	-

Belt Type	Pitch	Ra	Lr	H	h	i	Unit Mass g/m (Width: 10mm)
							Standard
S5M	5	3.25	3.25	3.31	1.81	1.5	29.0
S8M	8	5.2	5.2	5.3	2.95	2.35	45.2

(?)Operating Temp: -20~70°C (Reference Value)
(?)For the belt design data, see ☞ P.2253. For material properties, see ☞ P.1478.

■**Comparison of Friction Coefficient (Reference Value)**

Matching Material \ Belt Type	Tooth Surface		Back Surface	
	Cloth Lined	Standard	Cloth Lined	Standard
Steel	0.34	0.65	0.29	0.75
Stainless Steel	0.22	0.68	0.17	0.69
Aluminum	0.19	0.42	0.15	0.50
UHMWPE	0.18	0.31	0.17	0.32
Teflon	0.12	0.21	0.12	0.28

* Figures in the table are examples of actual measurement, not standard values.

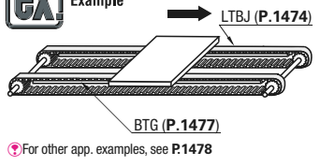
Part Number			Number of Teeth Lower Limit ~ Upper Limit	Belt Width (mm)	Allowable Tension (N)	Body Price 1~5 pc(s).			Joint Process Charge (Body Price +)	
Type	Belt Type	Belt Nominal Width				LTBJ	LTBN	LTBR	Standard	Cloth Lined
LTBJ (Standard) LTBN (Backside Cloth Lined) LTBR (Both Sides Cloth Lined)	L	050	74~1049	12.7	92			-		
		075		19.1	138			-		
		100		25.4	184			-		
		150		38.1	276			-		
	H	075	56~787	19.1	163			-		
		100		25.4	216			-		
		150		38.1	324			-		
		200		50.8	432			-		
	S5M	100	140~2000	10	60		-	-		-
		150		15	90		-	-		-
		250		25	150		-	-		-
	S8M	150	88~1250	15	117		-	-		-
		250		25	196		-	-		-
		300		30	235		-	-		-
		400		40	313		-	-		-
	T5	100	140~2000	10	29		-			
		150		15	43		-			
		200		20	58		-			
		250		25	72		-			
	T10	150	70~1000	15	90					
		200		20	120					
		250		25	150					
		300		30	180					
		400		40	240					
		500		50	300					
	AT5	100	140~2000	10	37		-	-		-
		150		15	55		-	-		-
	AT10	150	70~1000	15	117		-	-		-
		200		20	156		-	-		-
		250		25	195		-	-		-

(?)Overall Length: Number of Teeth x Pitch. (?)Kgf=Nx0.101972
(?)For orders larger than indicated quantity, please request a quotation.

Ordering Example

Part Number					
Type		Belt Type	Belt Nominal Width		Number of Teeth
LTBJ LTBR	-	AT5 H	150 200	-	800 300

Example



(?)For other app. examples, see P.1478

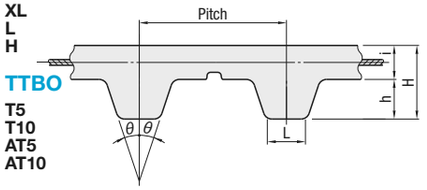
Open End Belts - Polyurethane / Chloroprene Rubber

■For Application examples, see P.1478.
■For Connection Fittings, refer to P.1483.



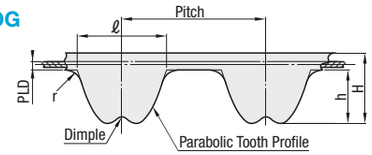
RoHS

TBOG, TBO
XL
L
H

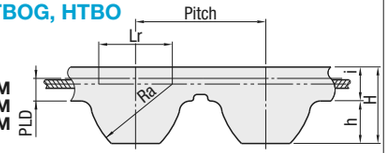


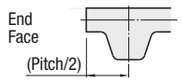
TTBO
T5
T10
AT5
AT10

PTBOG
P5M
P8M



HTBOG, HTBO
S3M
S5M
S8M





Type	Material	
	Main Body	Core Wire
TBOG, HTBOG, PTBOG	Chloroprene Rubber (Black)	Glass Cord
TBO, HTBO, TTBO	Polyurethane (White)	Steel Cord

Belt Type	Pitch	2θ(°)	H	h	i	L	Unit Mass g/m (Width: 10mm)	
							Chloroprene Rubber	Polyurethane
XL	5.08	50°	2.25	1.25	1.0	1.35	26.77	22.17
L	9.525	40°	3.5	1.9	1.6	3.2	37.8	36.22
H	12.7	40°	4.3	2.3	2.0	4.4	52.36	41.22
T5	5	40°	2.2	1.2	1.0	1.8	-	22.1
T10	10	40°	4.5	2.5	2.0	3.5	-	47.6
AT5	5	50°	2.7	1.2	1.5	2.5	-	32.0
AT10	10	50°	4.5	2.5	2.0	5	-	58.6

Operating Temp: -20~80°C (Reference Value)
For the belt design data, see P.2253.

Belt Type	Pitch	Ra	Lr	H	h	i	PLD	Unit Mass g/m (Width: 10mm)	
								Chloroprene Rubber	Polyurethane
S3M	3	1.95	1.95	2.10(2.00)	1.14	0.96(0.86)	0.381	-	24.3
S5M	5	3.25	3.25	3.61(3.20)	1.91(1.77)	1.70(1.43)	0.480	38.8	34.6
S8M	8	5.20	5.20	5.30(5.00)	3.05(2.85)	2.25(2.15)	0.686	55.2	57.6

Dimensions in ( ) are for Polyurethane.

Belt Type	Pitch	ℓ	H	h	PLD	r	Unit Mass g/m (Width: 10mm)
							Chloroprene Rubber
P5M	5	3.25	3.6	1.81	0.571	0.5	41.0
P8M	8	5.2	5.5	2.9	0.686	0.8	56.0

Part Number			Number of Teeth	Belt Width (mm)	Allowable Tension (N)		Applicable Metal Joint	Unit Price 1~30pc(s).	
Type	Belt Type	Belt Nominal Width	Lower Limit ~ Upper Limit		Chloroprene Rubber	Polyurethane		Chloroprene Rubber	Polyurethane
TBOG (Chloroprene Rubber) TBO (Polyurethane)	XL	025	30~3937	6.4	-	66	TBCK-XL025	-	
		037		9.5	47	102	TBCK-XL037		
		050		12.7	70	142	TBCK-XL050		
	L	050	30~2099	12.7	95	259	TBCK-L050		
		075		19.1	165	387	TBCK-L075		
		100		25.4	-	519	TBCK-L100	-	
	H	075	45~1574	19.1	-	397	TBCK-H075	-	
		100		25.4		529	TBCK-H100		
		150		38.1	-	799	TBCK-H150	-	
		200		50.8	-	1093	TBCK-H200	-	
HTBOG (Chloroprene Rubber) HTBO (Polyurethane)	S3M	060	40~6666	6	-	127	TBCK-S3M060	-	
		100		10	-	106	TBCS-S3M100	-	
		150		15	-	159	TBCS-S3M150	-	
	S5M	100	50~4000	10	310	215	TBCK-S5M100		
		150		15	490	323	TBCK-S5M150		
		250		25	-	539	TBCK-S5M250	-	
	S8M	150	60~2500	15	-	647	TBCK-S8M150	-	
		250		25	950	1176	TBCK-S8M250		
		300		30	-	1412	TBCK-S8M300	-	
		400		40	-	1882	TBCK-S8M400	-	
PTBOG (Chloroprene Rubber)	P5M	100	50~4000	10	287	-	TBCK-S5M100		-
		150		15	456	-	TBCK-S5M150		-
		250		25	817	-	TBCK-S5M250		-
	P8M	150	60~2500	15	606	-	TBCK-S8M150		-
		250		25	1060	-	TBCK-S8M250		-
TTBO (Polyurethane)	T5	100	40~4000	10	-	112	TBCK-T5100	-	
		150		15	-	166	TBCK-T5150	-	
		200		20	-	225	TBCK-T5200	-	
		250		25	-	284	TBCK-T5250	-	
	T10	150	40~2000	15	-	299	TBCK-T10150	-	
		200		20	-	397	TBCK-T10200	-	
		250		25	-	529	TBCK-T10250	-	
		300		30	-	627	TBCK-T10300	-	
		400		40	-	862	TBCK-T10400	-	
		500		50	-	1064	TBCK-T10500	-	
	AT5	100	40~4000	10	-	147	TBCK-AT5100	-	
		150		15	-	221	TBCK-AT5150	-	
	AT10	150	40~2000	15	-	469	TBCK-AT10150	-	
		200		20	-	625	TBCK-AT10200	-	
		250		25	-	781	TBCK-AT10250	-	

Overall Length: Number of Teeth x Pitch. kgf=Nx0.101972
For orders larger than indicated quantity, please request a quotation.

Ordering Example

Part Number						Number of Teeth
Type		Belt Type		Belt Nominal Width		
TBO	-	H		100	-	1100
HTBOG	-	S5M		100	-	500
TTBO	-	AT5		150	-	1200