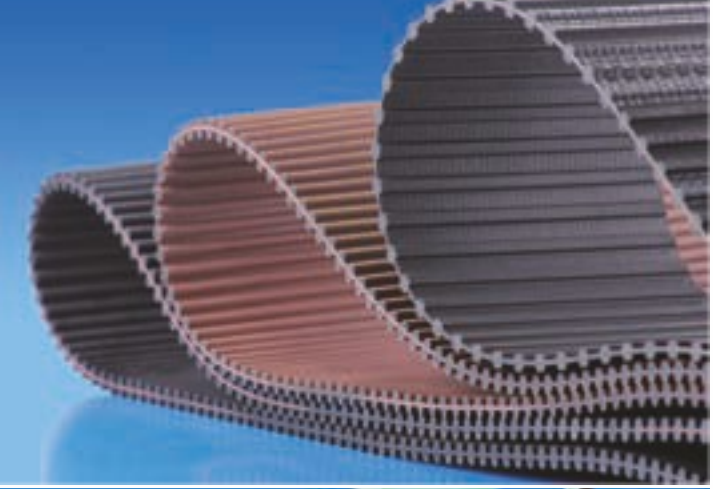
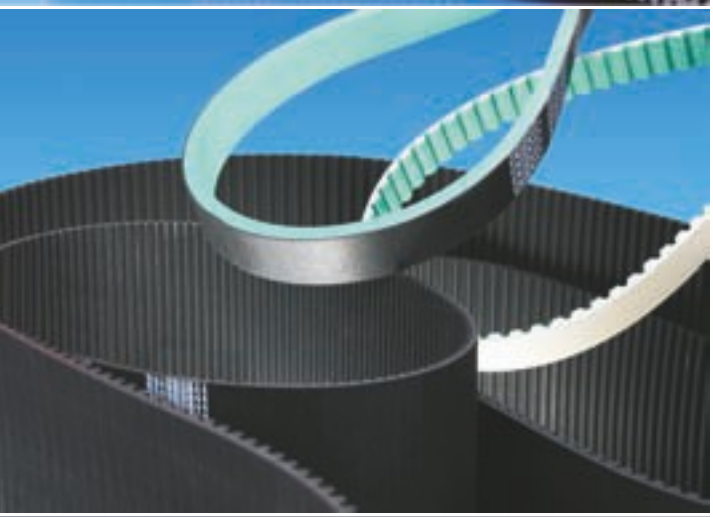
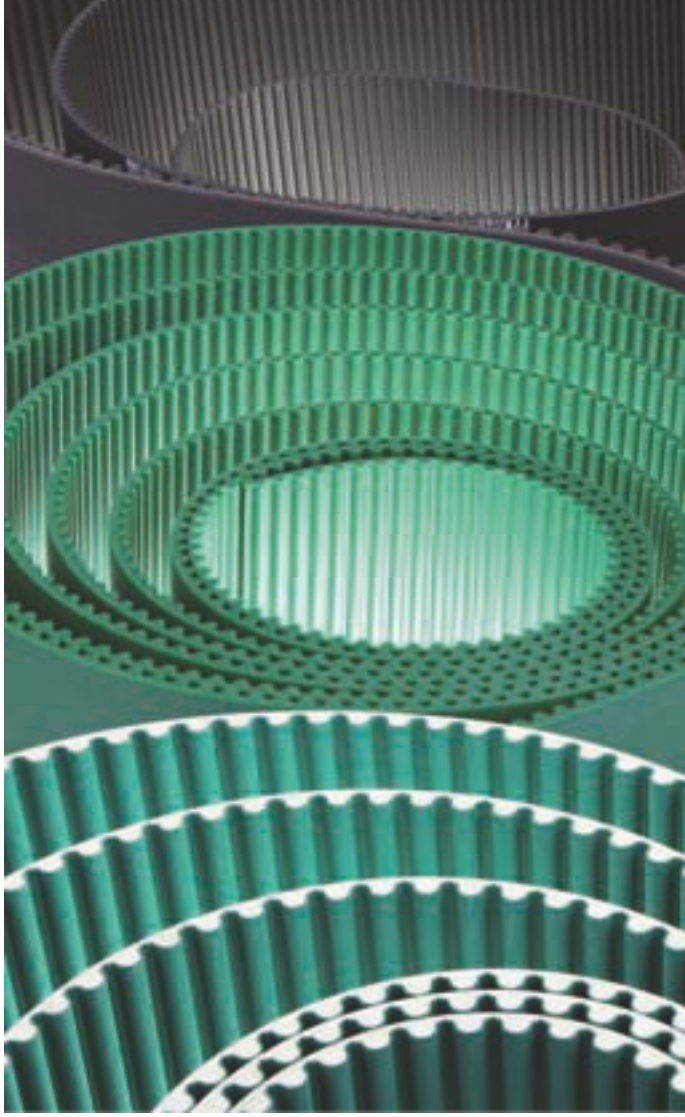
purelogic
research & development

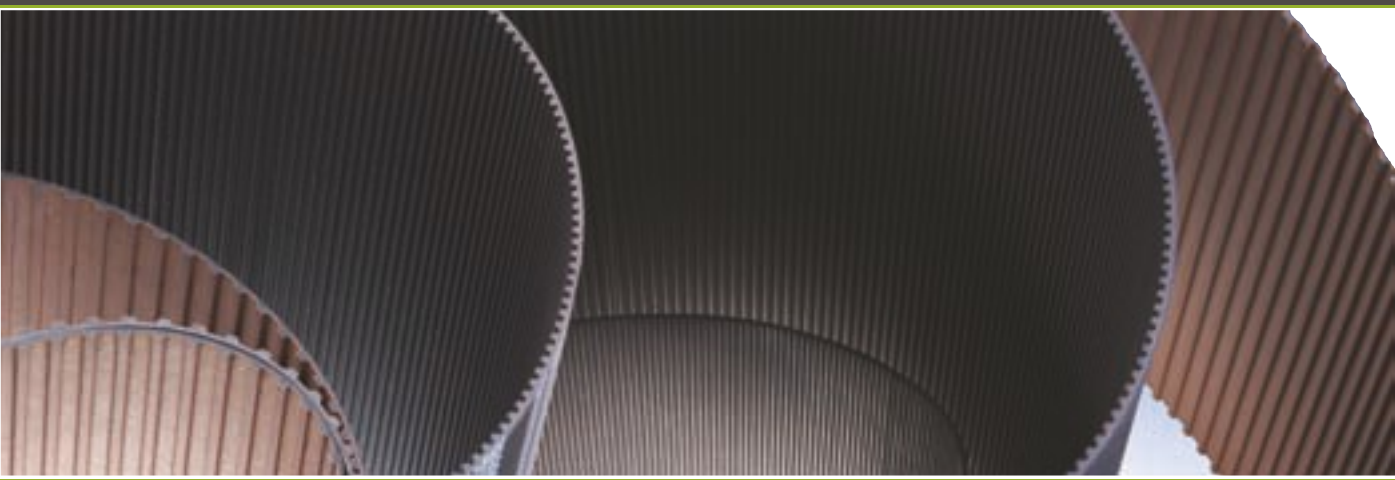
TIMING BELTS AND PULLEYS

PRODUCT CATALOG









Rubber Synchronous Belt

Industrial synchronous belt applies the superior synthetic neoprene imported from Japan as main raw material. It matches with multiple auxiliary materials with various uses. Skeleton uses the superior glass fiber cord imported from Japan. Tooth face of the belt adopts nylon 66 high spandex for protection.

Synchronous belt drive is a novel drive mode that utilizes pulley gear meshing to transfer motive power. It has accurate synchronous drive function. It needs no lubrication without slip differential nor pollution and with little noise. Drive efficiency reaches 98. Speed ratio range can fulfill 1:10. Allowable linear speed can attain 50m/s. Drive efficiency ranges from several hundred watts to several kilowatts. It suits multi-axial drive. It features as fine dynamic flex resistance good anti-cracking properties, superior ozone proof performance, sound heat-resistance and wear-ability etc.

Figure1: Physicomechanical Property of Synchronous Belt

Item		Trapezoid tooth					Arc tooth				
		XL	L	H	XH	XXH	3M	5M	8M	14M	20M
Tensile strength (N/mm)		80	120	270	380	450	90	160	300	400	520
Elongatlon at reference load	Referenceload	60	90	220	300	360	70	130	240	320	410
	Elongation≤%	4.0									
Hardness (Shore A)		75±5									
Adhesion strength of cloth (N/mm)		5	6.5	8	10	12	-	6	10	12	15
Adhesion strength of core (N/mm)		200	300	600	800	1500	-	400	700	1200	1600
Gear shearing intensity (N/mm)		50	60	70	75	90	-	50	60	80	100

Trapezoidal toothed synchronous belt

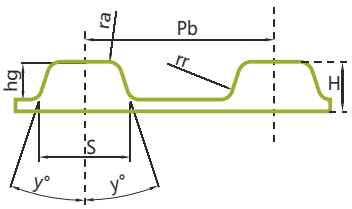
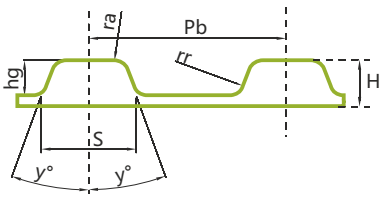


Figure2: Belt tooth size

TYPE	Pitch	Tooth angle	Bottom tooth thickness	Tooth heigh	Fillet	Tip	Belt thickness	teeth number range	pitch length
	Pb	2y°	s	hg	r_r	r_a	H		
MXL	2.032	40	1.14	0.51	0.13	0.13	1.14	43~2044	87.38~4153.41
XXL	3.175	50	1.73	0.76	0.20	0.20	1.52	46~124	146.05~393.70
XL	5.080		2.57	1.27	0.38	0.38	2.3	22~510	111.76~2590.80
L	9.525		4.65	1.91	0.51	0.51	3.6	23~530	219.08~5048.25
H	12.700		6.12	2.29	1.02	1.02	4.3	29~440	368.30~5588.00
XH	22.225	40	12.57	6.35	1.57	1.19	11.2	53~220	1177.93~4889.50
XXH	31.750		19.05	9.53	2.29	1.52	15.7	56~144	1778.00~4572.00

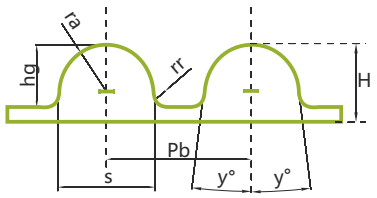
TYPE	Pitch	Tooth angle	Bottom tooth thickness	Tooth height	Fillet	Tip	Belt thickness	teeth number range	pitch length
	Pb	2y°	s g	h	r_r	r_a	H		
T2.5	2.5	40	1.50	0.70	0.2	0.2	1.3	42~312	105.00~780.00
T5	5		2.65	1.20	0.4	0.4	2.2	30~400	150.00~2000.00
T10	10		5.30	2.50	0.6	0.6	4.5	34~536	340.00~5360.00
T20	20		10.15	5.00	0.8	0.8	8.0	61~181	1220.00~3620.00

T-toothed synchronous belt



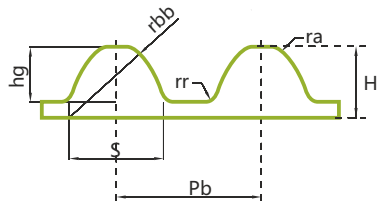
TYPE	Pitch	Tooth angle	Bottom tooth thickness	Tooth height	Fillet	Tip	Belt thickness	teeth number range	pitch length
	Pb	2y°	s	hg	r_r	r_a	H		
3M	3	14	1.78	1.17	0.24-0.3	0.87	2.4	35~1000	105.00~3000.00
5M	5		3.05	2.06	0.40-0.44	1.49	3.8	35~852	175.00~4260.00
8M	8		5.15	3.36	0.64-0.76	2.46	6.0	36~565	288.00~4520.00
14M	14		9.40	6.02	1.20-1.35	4.50	10.0	56~340	784.00~4760.00
20M	20		14.00	8.40	1.77-2.01	6.50	13.20	100~260	2000.00~5200.00

Arc synchronous belt



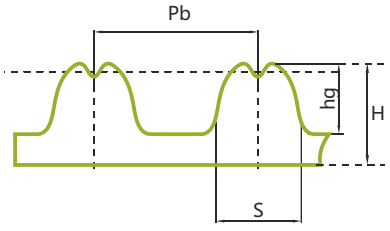
TYPE	Pitch	Bottom tooth thickness	Tooth height	Fillet radius	Fillet	Tip	Belt thickness	teeth number range	pitch length
	Pb	s	hg	r_{bb}	r_r	r_a	H		
S2M	2	1.3	0.76	1.3	0.2	0.2	1.36	44~1914	88.00~3828.00
S3M	3	1.95	1.14	1.95	0.30	0.30	1.94	41~500	123.00~1500.00
S4.5M	4.5	2.93	1.71	2.93	0.45	0.45	2.81	40~201	180.00~904.50
S5M	5	3.25	1.91	3.25	0.50	0.50	3.41	30~560	150.00~2800.00
S8M	8	5.20	3.05	5.20	0.80	0.80	5.30	53~500	424.00~4000.00
S14M	14	9.10	5.30	9.10	1.40	1.40	10.2	69~322	966.00~4508.00

S-toothed synchronous belt



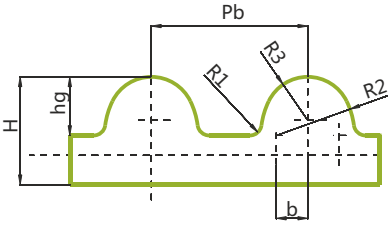
TYPE	Pitch	Bottom tooth thickness	Tooth height	Belt thickness	teeth number range	pitch length
	Pb	s g	h	H		
P2M	2	1.30	0.73	1.3	56~612	112.00~1224.00
P3M	3	1.95	1.09	2.1	30~621	90.00~1863.00
P5M	5	3.25	1.81	3.6	36~400	180.00~2000.00
P8M	8	5.20	2.90	5.5	40~550	320.00~4400.00
P14M	14	9.50	6.00	10.0	69~327	966.00~4578.00

Parabolic synchronous belt



TYPE	Pitch	Tooth height	Tip	Fillet radius	Arc bottom		Belt thickness	teeth number range	pitch length
	Pb	hg	R_1	R_2	R_3	b	H		
G2M	2.0	0.75	0.15	1.00	0.555	0.75	1.38	56~612	112.00~1224.00
G3M	3.0	1.14	0.25	1.52	0.85	1.14	2.40	30~621	90.00~1863.00
G5M	5.0	1.93	0.51	2.54	1.37	1.03	3.80	36~400	180.00~2000.00
Y8M	8.0	3.02	1.08	3.80	2.10	1.43	5.00	40~550	320.00~4400.00

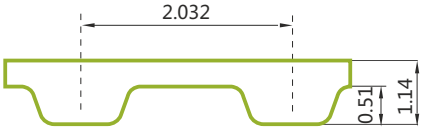
G, Y-toothed synchronous belt



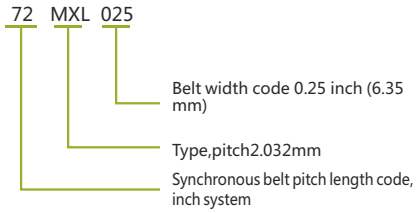
MXL Synchronous Belt

Please refer to P43 for MXL synchronous pulley.

Model MXL synchronous belt tooth figure



Representation method

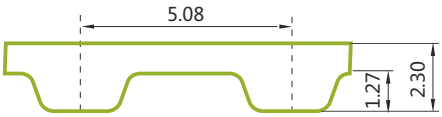


Type	Pitch length	Teeth NO.	Type	Pitch length	Teeth NO.	Type	Pitch length	Teeth NO.
B43MXL	87.38	43	101.5MXL	258.06	127	228MXL	579.12	285
42MXL	107.70	53	102MXL	260.10	128	232MXL	589.28	290
43MXL	109.73	54	104MXL	264.16	130	236MXL	599.44	295
44MXL	111.76	55	105MXL	266.19	131	238MXL	605.54	298
45MXL	113.79	56	106MXL	268.22	132	240MXL	609.60	300
46MXL	117.86	58	107MXL	270.26	133	244MXL	619.76	305
47MXL	119.89	59	107.5MXL	272.29	134	250MXL	633.98	312
48MXL	121.92	60	108MXL	274.32	135	254MXL	646.18	318
49MXL	123.95	61	111MXL	282.45	139	256MXL	650.24	320
49.5MXL	125.98	62	112MXL	284.48	140	258MXL	656.34	323
50MXL	128.02	63	113MXL	288.54	142	259MXL	658.37	324
52MXL	132.08	65	115MXL	292.61	144	261MXL	662.43	326
53MXL	134.11	66	116MXL	294.64	145	262MXL	666.50	328
53.5MXL	136.14	67	117.5MXL	298.70	147	266MXL	676.66	333
54MXL	138.18	68	118MXL	300.74	148	269MXL	682.75	336
56MXL	142.24	70	119MXL	302.77	149	278MXL	705.10	347
57MXL	144.27	71	120MXL	304.80	150	280MXL	711.20	350
58MXL	146.30	72	121MXL	306.83	151	288MXL	731.52	360
58.5MXL	148.34	73	122MXL	310.90	153	290MXL	735.58	362
60MXL	152.40	75	124MXL	314.96	155	292MXL	741.68	365
61MXL	154.43	76	125MXL	319.02	157	297MXL	753.87	371
61.5MXL	156.46	77	126MXL	321.06	158	398MXL	755.90	372
62MXL	158.50	78	128MXL	325.12	160	302MXL	768.10	378
63MXL	160.53	79	129MXL	327.15	161	304MXL	772.16	380
64MXL	162.56	80	130MXL	329.18	162	317.5MXL	806.70	397
65MXL	166.62	82	132MXL	335.28	165	320MXL	812.80	400
66MXL	168.66	83	136MXL	345.44	170	328MXL	833.12	410
68MXL	172.72	85	140MXL	355.60	175	329.5MXL	837.18	412
69MXL	176.78	87	144MXL	365.76	180	330MXL	839.22	413
70MXL	178.82	88	147MXL	373.89	184	344MXL	873.76	430
72MXL	182.88	90	148MXL	375.92	185	352MXL	894.08	440
73MX L	186.94	92	152MXL	386.08	190	362MXL	920.50	453
74MXL	188.98	93	154MXL	390.14	192	374MXL	950.98	468
75MXL	191.01	94	155MXL	394.21	194	378MXL	961.14	473
76MXL	193.04	95	156MXL	396.24	195	386MXL	979.42	482
76.5MXL	195.07	96	160MXL	406.40	200	390MXL	989.58	487
77MXL	197.10	97	162MXL	412.50	203	398MXL	1011.94	498
78MXL	199.14	98	168MXL	426.72	210	403MXL	1024.13	504
79MXL	201.17	99	169MXL	430.78	212	413MXL	1048.51	516
80MXL	203.20	100	172MXL	436.88	215	418MXL	1060.70	522
81MXL	207.26	102	173MXL	438.91	216	426MXL	1081.02	532
82MXL	209.30	103	175MXL	445.01	219	430MXL	1091.18	537
83MXL	211.33	104	179MXL	455.17	224	433MXL	1099.31	541
84MXL	213.36	105	180MXL	457.20	225	456MXL	1158.24	570
85MXL	215.39	106	183MXL	465.33	229	480MXL	1219.20	600
88MXL	223.52	110	185MXL	471.42	232	518MXL	1316.74	648
89MXL	227.58	112	187MXL	475.49	234	608MXL	1544.32	760
90MXL	229.62	113	188MXL	477.52	235	764MXL	1940.56	955
91MXL	231.65	114	189MXL	479.55	236	810MXL	2056.38	1012
92MXL	233.68	115	192MXL	487.68	240	848MXL	2153.92	1060
93MXL	235.71	116	198MXL	503.94	248	910MXL	2310.38	1137
94MXL	239.78	118	200MXL	508.00	250	1000MXL	2540.00	1250
96MXL	243.84	120	205MXL	520.19	256	1141MXL	2897.63	1426
97MXL	245.87	121	208MXL	528.32	260	1170MXL	2972.82	1463
97.5MXL	247.90	122	212MXL	538.48	265	1171MXL	2974.85	1464
98MXL	249.94	123	218MXL	554.74	273	1213MXL	3080.512	1516
100MXL	254.00	125	221MXL	560.83	276	1216MXL	3088.64	1520
101MXL	256.03	126	224MXL	568.96	280	1635MXL	4153.408	2044

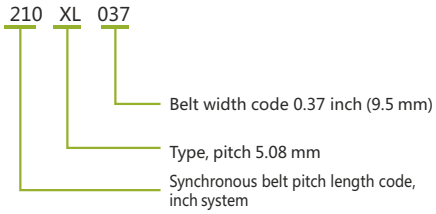
XL Synchronous Belt

Please refer to P44 for XL synchronous pulley.

Model XL synchronous belt tooth figure



Representation method

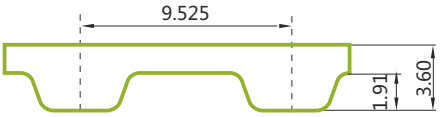


Type	Pitch length	Teeth NO.	Type	Pitch length	Teeth NO.	Type	Pitch length	Teeth NO.
44XL	111.76	22	180XL	457.20	90	332XL	843.28	166
60XL	152.40	30	182XL	462.28	91	334XL	848.36	167
64XL	162.56	32	184XL	467.36	92	336XL	853.44	168
68XL	172.72	34	186XL	472.44	93	340XL	863.60	170
70XL	177.80	35	188XL	477.52	94	344XL	873.76	172
74XL	187.96	37	190XL	482.60	95	348XL	883.92	174
76XL	193.04	38	192XL	487.68	96	350XL	889.00	175
78XL	198.12	39	194XL	492.76	97	352XL	894.08	176
80XL	203.20	40	196XL	497.84	98	356XL	904.24	178
82XL	208.28	41	198XL	502.92	99	360XL	914.40	180
84XL	213.36	42	200XL	508.00	100	364XL	924.56	182
86XL	218.44	43	202XL	513.08	101	370XL	939.80	185
88XL	223.52	44	204XL	518.16	102	372XL	944.88	186
90XL	228.60	45	206XL	523.24	103	376XL	955.04	188
94XL	238.76	47	208XL	528.32	104	380XL	965.20	190
96XL	243.84	48	210XL	533.40	105	382XL	970.28	191
98XL	248.92	49	212XL	538.48	106	384XL	975.36	192
100XL	254.00	50	214XL	543.56	107	390XL	990.60	195
102XL	259.08	51	216XL	548.64	108	392XL	995.68	196
104XL	264.16	52	218XL	553.72	109	396XL	1005.84	198
106XL	269.24	53	220XL	558.80	110	400XL	1016.00	200
108XL	274.32	54	222XL	563.88	111	412XL	1046.48	206
110XL	279.40	55	224XL	568.96	112	414XL	1051.56	207
112XL	284.48	56	226XL	574.04	113	424XL	1076.96	212
114XL	289.56	57	228XL	579.12	114	430XL	1092.20	215
116XL	294.64	58	230XL	584.20	115	432XL	1097.28	216
118XL	299.72	59	234XL	594.36	117	434XL	1102.36	217
120XL	304.80	60	236XL	599.44	118	438XL	1112.52	219
122XL	309.88	61	240XL	609.60	120	450XL	1143.00	225
124XL	314.96	62	244XL	619.76	122	460XL	1168.40	230
126XL	320.04	63	248XL	629.92	124	470XL	1193.80	235
128XL	325.12	64	250XL	635.00	125	480XL	1219.20	240
130XL	330.20	65	254XL	645.16	127	490XL	1244.60	245
132XL	335.28	66	260XL	660.40	130	498XL	1264.92	249
134XL	340.36	67	266XL	675.64	133	506XL	1285.24	253
136XL	345.44	68	268XL	680.72	134	510XL	1295.40	255
138XL	350.52	69	270XL	685.80	135	522XL	1325.88	261
140XL	355.60	70	274XL	695.96	137	564XL	1432.56	282
142XL	360.68	71	276XL	701.04	138	572XL	1452.88	286
144XL	365.76	72	278XL	706.12	139	580XL	1473.20	290
146XL	370.84	73	280XL	711.20	140	592XL	1503.68	296
148XL	375.92	74	282XL	716.28	141	600XL	1524.00	300
150XL	381.00	75	286XL	726.44	143	612XL	1554.48	306
152XL	386.08	76	290XL	736.60	145	630XL	1600.20	315
154XL	391.16	77	296XL	751.84	148	648XL	1645.92	324
156XL	396.24	78	300XL	762.00	150	670XL	1701.80	335
158XL	401.32	79	302XL	767.08	151	672XL	1706.88	336
160XL	406.40	80	304XL	772.16	152	686XL	1742.44	343
162XL	411.48	81	306XL	777.24	153	690XL	1752.60	345
164XL	416.56	82	310XL	787.40	155	700XL	1778.00	350
166XL	421.64	83	312XL	792.48	156	720XL	1828.80	360
168XL	426.72	84	314XL	797.56	157	736XL	1869.44	368
170XL	431.80	85	316XL	802.64	158	828XL	2103.12	414
172XL	436.88	86	320XL	812.80	160	850XL	2159.00	425
174XL	441.96	87	322XL	817.88	161	860XL	2184.40	430
176XL	447.04	88	326XL	828.04	163	884XL	2245.36	442
178XL	452.12	89	330XL	838.20	165	1020XL	2590.80	510

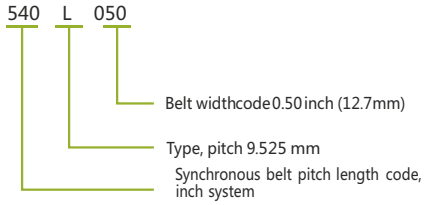
L Synchronous Belt

Please refer to P45 for L synchronous pulley.

Model L synchronous belt tooth figure



Representation method



Type	Pitch length	Teeth NO.	Type	Pitch length	Teeth NO.	Type	Pitch length	Teeth NO.
86L	219.08	23	275L	695.33	73	514L	1304.93	137
98L	247.65	26	277L	704.85	74	525L	1333.50	140
100L	257.18	27	280L	714.38	75	540L	1371.60	144
109L	276.23	29	285L	723.90	76	548L	1390.65	146
113L	285.75	30	300L	762.00	80	550L	1400.18	147
120L	304.80	32	304L	771.53	81	555L	1409.70	148
124L	314.33	33	310L	790.58	83	560L	1419.23	149
130L	333.38	35	315L	800.10	84	570L	1447.80	152
135L	342.90	36	319L	809.63	85	574L	1457.33	153
143L	361.95	38	322L	819.15	86	581L	1476.38	155
150L	381.00	40	328L	828.68	87	585L	1485.90	156
154L	390.53	41	330L	838.20	88	600L	1524.00	160
158L	400.05	42	334L	847.73	89	605L	1533.53	161
161L	409.58	43	337L	857.25	90	619L	1571.63	165
165L	419.10	44	341L	866.78	91	630L	1600.20	168
169L	428.63	45	345L	876.30	92	640L	1628.78	171
173L	438.15	46	352L	895.35	94	653L	1657.35	174
177L	447.68	47	355L	904.88	95	660L	1676.40	176
180L	457.20	48	360L	914.40	96	675L	1714.50	180
185L	466.73	49	367L	933.45	98	694L	1762.13	185
187L	476.25	50	375L	952.50	100	697L	1771.65	186
191L	485.78	51	382L	971.55	102	701L	1781.18	187
195L	495.30	52	390L	990.60	104	720L	1828.80	192
198L	504.83	53	394L	1000.13	105	728L	1847.85	194
203L	514.35	54	397L	1009.65	106	731L	1857.38	195
206L	523.88	55	400L	1019.18	107	739L	1876.43	197
210L	533.40	56	405L	1028.70	108	765L	1943.10	204
217L	552.45	58	408L	1038.23	109	769L	1952.63	205
220L	561.98	59	412L	1047.75	110	788L	2000.25	210
225L	571.50	60	420L	1066.80	112	791L	2009.78	211
230L	581.03	61	427L	1085.85	114	817L	2076.45	218
232L	590.55	62	435L	1104.90	116	863L	2190.75	230
236L	600.08	63	439L	1114.43	117	874L	2219.33	233
240L	609.60	64	442L	1123.95	118	900L	2286.00	240
244L	619.13	65	450L	1143.00	120	915L	2324.10	244
248L	628.65	66	453L	1152.53	121	938L	2381.25	250
250L	638.18	67	457L	1162.05	122	994L	2524.13	265
255L	647.70	68	465L	1181.10	124	1043L	2647.95	278
258L	657.23	69	480L	1219.20	128	1148L	2914.65	306
263L	666.75	70	495L	1257.30	132	1200L	3048.00	320
265L	676.28	71	500L	1266.83	133	1988L	5048.25	530
270L	685.80	72	510L	1295.40	136			

H Synchronous Belt

Please refer to P46 for H synchronous pulley.

Model H synchronous belt tooth figure

Representation method

330 H 100

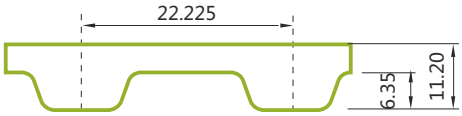
- 100: Belt width code 0.50 inch (25.4 mm)
- H: Type, pitch 12.70 mm
- 330: Synchronous belt pitch length code, inch system

Type	Pitch length	Teeth NO.	Type	Pitch length	Teeth NO.	Type	Pitch length	Teeth NO.
145H	368.30	29	465H	1181.10	93	830H	2108.20	166
185H	469.90	37	470H	1193.80	94	840H	2133.60	168
200H	508.00	40	480H	1219.20	96	850H	2159.00	170
205H	520.70	41	485H	1231.90	97	860H	2184.40	172
210H	533.40	42	490H	1244.60	98	870H	2209.80	174
220H	558.80	44	495H	1257.30	99	880H	2235.20	176
225H	571.50	45	500H	1270.00	100	885H	2247.90	177
230H	584.20	46	510H	1295.40	102	900H	2286.00	180
240H	609.60	48	515H	1308.10	103	950H	2413.00	190
250H	635.00	50	520H	1320.80	104	960H	2438.40	192
255H	647.70	51	525H	1333.50	105	980H	2489.20	196
260H	660.40	52	530H	1346.20	106	985H	2501.90	197
270H	685.80	54	540H	1371.60	108	1000H	2540.00	200
280H	711.20	56	550H	1397.00	110	1020H	2590.80	204
285H	723.90	57	555H	1409.70	111	1050H	2667.00	210
290H	736.60	58	560H	1422.40	112	1070H	2717.80	214
300H	762.00	60	570H	1447.80	114	1100H	2794.00	220
305H	774.70	61	580H	1473.20	116	1120H	2844.80	224
310H	787.40	62	585H	1485.90	117	1130H	2870.20	226
315H	800.10	63	590H	1498.60	118	1135H	2882.90	227
320H	812.80	64	600H	1524.00	120	1140H	2895.60	228
325H	825.50	65	605H	1536.70	121	1150H	2921.00	230
330H	838.20	66	610H	1549.40	122	1155H	2933.70	231
335H	850.90	67	615H	1562.10	123	1160H	2946.40	232
340H	863.60	68	620H	1574.80	124	1180H	2997.20	236
345H	876.30	69	625H	1587.50	125	1200H	3048.00	240
350H	889.00	70	630H	1600.20	126	1240H	3149.60	248
360H	914.40	72	640H	1625.60	128	1250H	3175.00	250
365H	927.10	73	645H	1638.30	129	1260H	3200.40	252
370H	939.80	74	650H	1651.00	130	1270H	3225.80	254
375H	952.50	75	660H	1676.40	132	1285H	3263.90	257
380H	965.20	76	670H	1701.80	134	1325H	3365.50	265
385H	977.90	77	680H	1727.20	136	1350H	3429.00	270
390H	990.60	78	700H	1778.00	140	1360H	3454.40	272
395H	1003.30	79	705H	1790.70	141	1400H	3556.00	280
400H	1016.00	80	710H	1803.40	142	1450H	3683.00	290
405H	1028.70	81	720H	1828.80	144	1460H	3708.40	292
410H	1041.40	82	725H	1841.50	145	1500H	3810.00	300
415H	1054.10	83	730H	1854.20	146	1550H	3937.00	310
420H	1066.80	84	740H	1879.60	148	1560H	3962.40	312
425H	1079.50	85	750H	1905.00	150	1600H	4064.00	320
430H	1092.20	86	760H	1930.40	152	1630H	4140.20	326
435H	1104.90	87	770H	1955.80	154	1700H	4318.00	340
440H	1117.60	88	780H	1981.20	156	1800H	4572.00	360
445H	1130.30	89	800H	2032.00	160	1850H	4699.00	370
450H	1143.00	90	810H	2057.40	162	1900H	4826.00	380
460H	1168.40	92	820H	2082.80	164	2200H	5588.00	440

XH Synchronous Belt

Please refer to P47 for XH synchronous pulley.

Model XH synchronous belt tooth figure

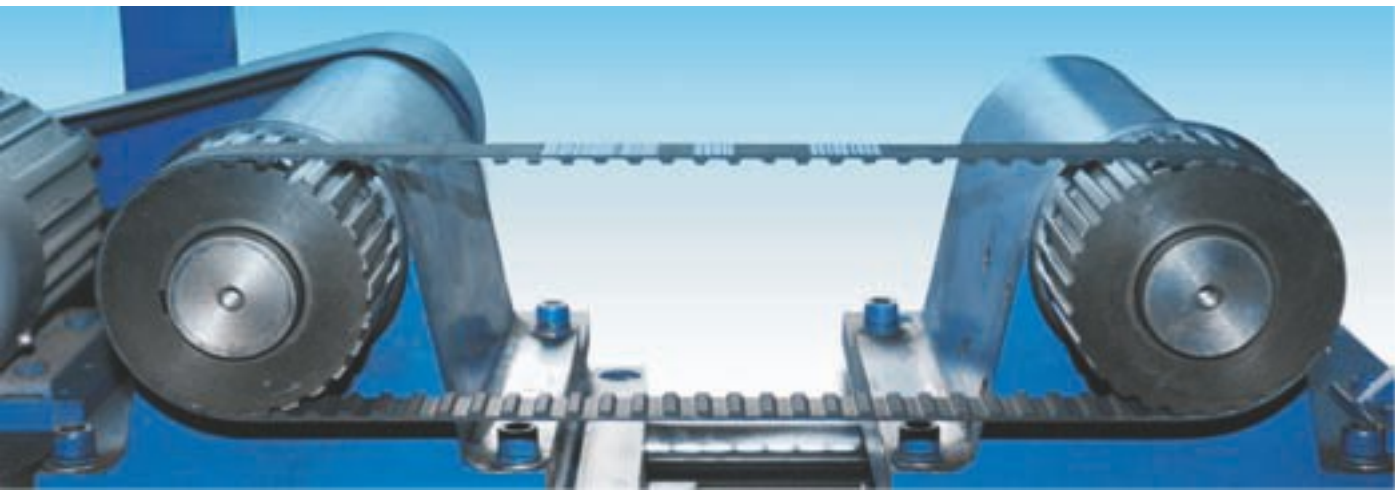


Representation method

560 XH 250

- 250: Belt width code 0.50 inch (12.7mm)
- XH: Type, pitch 22.225mm
- 560: Synchronous belt pitch length code, inch system

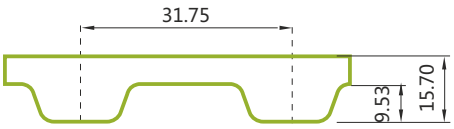
Type	Pitch length	Teeth NO.	Type	Pitch length	Teeth NO.	Type	Pitch length	Teeth NO.
463XH	1177.93	53	735XH	1866.90	84	1000XH	2533.65	114
473XH	1200.15	54	752XH	1911.35	86	1120XH	2844.80	128
508XH	1289.05	58	770XH	1955.80	88	1260XH	3200.40	144
560XH	1422.40	64	800XH	2022.48	91	1400XH	3556.00	160
570XH	1444.63	65	823XH	2089.15	94	1540XH	3911.60	176
580XH	1466.85	66	840XH	2133.60	96	1575XH	4000.50	180
620XH	1577.98	71	927XH	2355.85	106	1750XH	4445.00	200
630XH	1600.20	72	963XH	2444.75	110	1873XH	4756.15	214
700XH	1778.00	80	980XH	2489.20	112	1925XH	4889.50	220



XXH Synchronous Belt

Please refer to P48 for XXH synchronous pulley.

Model XXH synchronous belt tooth figure



Representation method

700 XXH 400

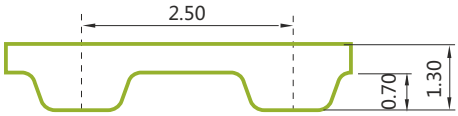
- 400: Belt width code 4.0 inch (101.60mm)
- XXH: Type, pitch 31.75mm
- 700: Synchronous belt pitch length code, inch system

Type	Pitch length	Teeth NO.	Type	Pitch length	Teeth NO.	Type	Pitch length	Teeth NO.
700XXH	1778.00	56	1063XXH	2698.75	85	1600XXH	4064.00	128
800XXH	2032.00	64	1200XXH	3048.00	96	1700XXH	4318.00	136
900XXH	2286.00	72	1400XXH	3556.00	112	1800XXH	4572.00	144
1000XXH	2540.00	80	1563XXH	3968.75	125			

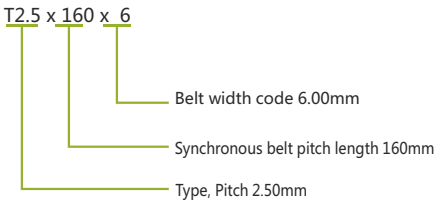
T2.5 Synchronous Belt

Please refer to P49 for T2.5 synchronous pulley.

Model T25 synchronous belt tooth figure



Representation method

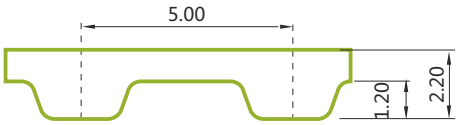


Type	Pitch length	Teeth NO.	Type	Pitch length	Teeth NO.	Type	Pitch length	Teeth NO.
T2.5×105	105.00	42	T2.5×265	265.00	106	T2.5×420	420.00	168
T2.5×130	130.00	52	T2.5×272.5	272.50	109	T2.5×480	480.00	192
T2.5×145	145.00	58	T2.5×275	275.00	110	T2.5×500	500.00	200
T2.5×157.5	157.50	63	T2.5×285	285.00	114	T2.5×512.5	512.50	205
T2.5×160	160.00	64	T2.5×305	305.00	122	T2.5×580	580.00	232
T2.5×172.5	172.50	69	T2.5×330	330.00	132	T2.5×620	620.00	248
T2.5×200	200.00	80	T2.5×335	335.00	134	T2.5×625	625.00	250
T2.5×230	230.00	92	T2.5×355	355.00	142	T2.5×690	690.00	276
T2.5×245	245.00	98	T2.5×380	380.00	152	T2.5×780	780.00	312

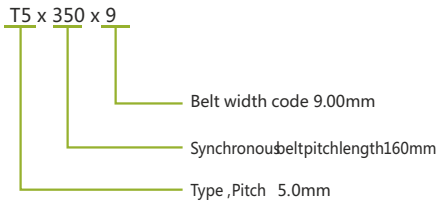
T5 Synchronous Belt

Please refer to P50 for T5 synchronous pulley.

Model T5 synchronous belt tooth figure



Representation method

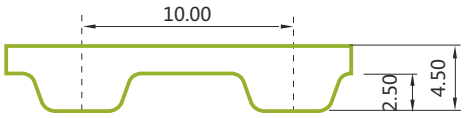


Type	Pitch length	Teeth NO.	Type	Pitch length	Teeth NO.	Type	Pitch length	Teeth NO.
T5×150	150.00	30	T5×425	425.00	85	T5×740	740.00	148
T5×165	165.00	33	T5×435	435.00	87	T5×750	750.00	150
T5×185	185.00	37	T5×450	450.00	90	T5×755	755.00	151
T5×200	200.00	40	T5×455	455.00	91	T5×780	780.00	156
T5×210	210.00	42	T5×460	460.00	92	T5×800	800.00	160
T5×215	215.00	43	T5×470	470.00	94	T5×810	810.00	162
T5×220	220.00	44	T5×475	475.00	95	T5×815	815.00	163
T5×225	225.00	45	T5×480	480.00	96	T5×840	840.00	168
T5×240	240.00	48	T5×500	500.00	100	T5×850	850.00	170
T5×245	245.00	49	T5×510	510.00	102	T5×860	860.00	172
T5×250	250.00	50	T5×525	525.00	105	T5×880	880.00	176
T5×255	255.00	51	T5×530	530.00	106	T5×900	900.00	180
T5×260	260.00	52	T5×545	545.00	109	T5×990	990.00	198
T5×270	270.00	54	T5×550	550.00	110	T5×1000	1000.00	200
T5×275	275.00	55	T5×560	560.00	112	T5×1035	1035.00	207
T5×280	280.00	56	T5×575	575.00	115	T5×1050	1050.00	210
T5×295	295.00	59	T5×590	590.00	118	T5×1075	1075.00	215
T5×300	300.00	60	T5×600	600.00	120	T5×1100	1100.00	220
T5×305	305.00	61	T5×610	610.00	122	T5×1200	1200.00	240
T5×310	310.00	62	T5×620	620.00	124	T5×1215	1215.00	243
T5×320	320.00	64	T5×625	625.00	125	T5×1270	1270.00	254
T5×325	325.00	65	T5×630	630.00	126	T5×1380	1380.00	276
T5×330	330.00	66	T5×635	635.00	127	T5×1420	1420.00	284
T5×340	340.00	68	T5×650	650.00	130	T5×1630	1630.00	326
T5×350	350.00	70	T5×670	670.00	134	T5×1740	1740.00	348
T5×355	355.00	71	T5×675	675.00	135	T5×1780	1780.00	356
T5×365	365.00	73	T5×690	690.00	138	T5×1800	1800.00	360
T5×375	375.00	75	T5×700	700.00	140	T5×1905	1905.00	381
T5×390	390.00	78	T5×705	705.00	141	T5×1960	1960.00	392
T5×400	400.00	80	T5×710	710.00	142	T5×2000	2000.00	400
T5×410	410.00	82	T5×720	720.00	144			
T5×420	420.00	84	T5×725	725.00	145			

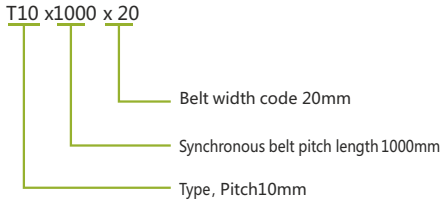
T10 Synchronous Belt

Please refer to P51 for T10 synchronous pulley.

Model T10 synchronous belt tooth figure



Representation method



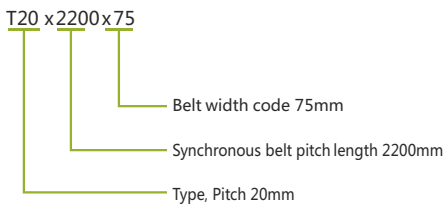
Type	Pitch length	Teeth NO.	Type	Pitch length	Teeth NO.	Type	Pitch length	Teeth NO.
T10x340	340.00	34	T10x1040	1040.00	104	T10x1750	1750.00	175
T10x400	400.00	40	T10x1050	1050.00	105	T10x1780	1780.00	178
T10x410	410.00	41	T10x1080	1080.00	108	T10x1800	1800.00	180
T10x440	440.00	44	T10x1100	1100.00	110	T10x1860	1860.00	186
T10x460	460.00	46	T10x1110	1110.00	111	T10x1880	1880.00	188
T10x480	480.00	48	T10x1120	1120.00	112	T10x1980	1980.00	198
T10x500	500.00	50	T10x1140	1140.00	114	T10x2020	2020.00	202
T10x550	550.00	55	T10x1150	1150.00	115	T10x2100	2100.00	210
T10x560	560.00	56	T10x1200	1200.00	120	T10x2200	2200.00	220
T10x570	570.00	57	T10x1210	1210.00	121	T10x2250	2250.00	225
T10x600	600.00	60	T10x1240	1240.00	124	T10x2300	2300.00	230
T10x630	630.00	63	T10x1250	1250.00	125	T10x2360	2360.00	236
T10x650	650.00	65	T10x1280	1280.00	128	T10x2380	2380.00	238
T10x660	660.00	66	T10x1300	1300.00	130	T10x2480	2480.00	248
T10x690	690.00	69	T10x1320	1320.00	132	T10x2500	2500.00	250
T10x700	700.00	70	T10x1350	1350.00	135	T10x2550	2550.00	255
T10x750	750.00	75	T10x1390	1390.00	139	T10x2580	2580.00	258
T10x780	780.00	78	T10x1400	1400.00	140	T10x2800	2800.00	280
T10x800	800.00	80	T10x1420	1420.00	142	T10x2880	2880.00	288
T10X810	810.00	81	T10x1440	1440.00	144	T10x3000	3000.00	300
T10x840	840.00	84	T10x1460	1460.00	146	T10x3300	3300.00	330
T10x850	850.00	85	T10x1480	1480.00	148	T10x3500	3500.00	350
T10x870	870.00	87	T10x1500	1500.00	150	T10x3600	3600.00	360
T10x880	880.00	88	T10x1560	1560.00	156	T10x3680	3680.00	368
T10x890	890.00	89	T10x1600	1600.00	160	T10x4280	4280.00	428
T10x900	900.00	90	T10x1610	1610.00	161	T10x4650	4650.00	465
T10x950	950.00	95	T10x1630	1630.00	163	T10x4680	4680.00	468
T10x980	980.00	98	T10x1640	1640.00	164	T10x5060	5060.00	506
T10x1000	1000.00	100	T10x1700	1700.00	170	T10x5360	5360.00	536
T10x1010	1010.00	101	T10x1720	1720.00	172			

T20 Synchronous Belt

Please refer to P52 for T20 synchronous pulley.

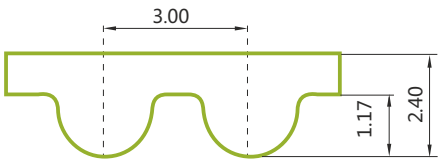
Model T20 synchronous belt tooth figure

Representation method

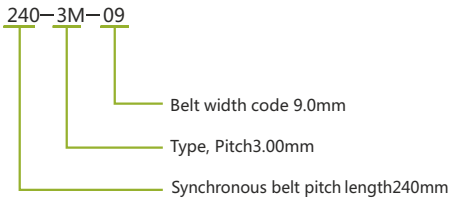


Type	Pitch length	Teeth NO.	Type	Pitch length	Teeth NO.	Type	Pitch length	Teeth NO.
T20×1220	1220.00	61	T20×1680	1680.00	84	T20×2240	2240.00	112
T20×1240	1240.00	62	T20×1700	1700.00	85	T20×2600	2600.00	130
T20×1260	1260.00	63	T20×1760	1760.00	88	T20×2720	2720.00	136
T20×1280	1280.00	64	T20×1780	1780.00	89	T20×2760	2760.00	138
T20×1320	1320.00	66	T20×1880	1880.00	94	T20×3100	3100.00	155
T20×1460	1460.00	73	T20×2200	2200.00	110	T20×3620	3620.00	181

Model 3M synchronous belt tooth figure

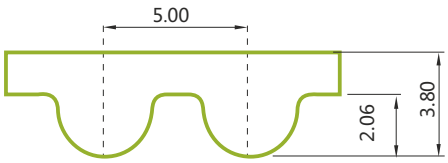


Representation method

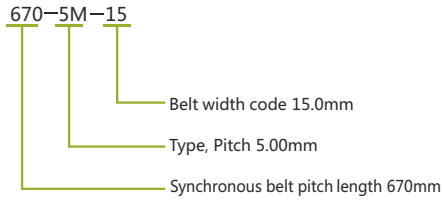


Type	Pitch length	Teeth NO.	Type	Pitch length	Teeth NO.	Type	Pitch length	Teeth NO.
105-3M	105.00	35	297-3M	297.00	99	543-3M	543.00	181
108-3M	108.00	36	300-3M	300.00	100	546-3M	546.00	182
111-3M	111.00	37	306-3M	306.00	102	549-3M	549.00	183
120-3M	120.00	40	309-3M	309.00	103	552-3M	552.00	184
123-3M	123.00	41	312-3M	312.00	104	555-3M	555.00	185
126-3M	126.00	42	315-3M	315.00	105	558-3M	558.00	186
129-3M	129.00	43	318-3M	318.00	106	564-3M	564.00	188
132-3M	132.00	44	321-3M	321.00	107	576-3M	576.00	192
135-3M	135.00	45	324-3M	324.00	108	579-3M	579.00	193
141-3M	141.00	47	327-3M	327.00	109	582-3M	582.00	194
144-3M	144.00	48	330-3M	330.00	110	588-3M	588.00	196
147-3M	147.00	49	333-3M	333.00	111	591-3M	591.00	197
150-3M	150.00	50	336-3M	336.00	112	597-3M	597.00	199
153-3M	153.00	51	339-3M	339.00	113	600-3M	600.00	200
156-3M	156.00	52	345-3M	345.00	115	603-3M	603.00	201
159-3M	159.00	53	348-3M	348.00	116	606-3M	606.00	202
162-3M	162.00	54	351-3M	351.00	117	609-3M	609.00	203
165-3M	165.00	55	354-3M	354.00	118	612-3M	612.00	204
168-3M	168.00	56	357-3M	357.00	119	633-3M	633.00	211
171-3M	171.00	57	360-3M	360.00	120	648-3M	648.00	216
174-3M	174.00	58	363-3M	363.00	121	654-3M	654.00	218
177-3M	177.00	59	366-3M	366.00	122	669-3M	669.00	223
180-3M	180.00	60	369-3M	369.00	123	675-3M	675.00	225
186-3M	186.00	62	375-3M	375.00	125	687-3M	687.00	229
189-3M	189.00	63	381-3M	381.00	127	696-3M	696.00	232
192-3M	192.00	64	384-3M	384.00	128	699-3M	699.00	233
195-3M	195.00	65	390-3M	390.00	130	708-3M	708.00	236
198-3M	198.00	66	393-3M	393.00	131	711-3M	711.00	237
201-3M	201.00	67	399-3M	399.00	133	738-3M	738.00	246
204-3M	204.00	68	402-3M	402.00	134	750-3M	750.00	250
207-3M	207.00	69	405-3M	405.00	135	753-3M	753.00	251
210-3M	210.00	70	408-3M	408.00	136	768-3M	768.00	256
213-3M	213.00	71	411-3M	411.00	137	789-3M	789.00	263
216-3M	216.00	72	420-3M	420.00	140	801-3M	801.00	267
219-3M	219.00	73	423-3M	423.00	141	804-3M	804.00	268
222-3M	222.00	74	426-3M	426.00	142	813-3M	813.00	271
225-3M	225.00	75	432-3M	432.00	144	825-3M	825.00	275
228-3M	228.00	76	435-3M	435.00	145	843-3M	843.00	281
234-3M	234.00	78	438-3M	438.00	146	900-3M	900.00	300
237-3M	237.00	79	447-3M	447.00	149	939-3M	939.00	313
240-3M	240.00	80	450-3M	450.00	150	960-3M	960.00	320
243-3M	243.00	81	453-3M	453.00	151	1002-3M	1002.00	334
246-3M	246.00	82	459-3M	459.00	153	1068-3M	1068.00	356
249-3M	249.00	83	462-3M	462.00	154	1125-3M	1125.00	375
252-3M	252.00	84	468-3M	468.00	156	1200-3M	1200.00	400
255-3M	255.00	85	474-3M	474.00	158	1263-3M	1263.00	421
258-3M	258.00	86	477-3M	477.00	159	1335-3M	1335.00	445
261-3M	261.00	87	480-3M	480.00	160	1344-3M	1344.00	448
264-3M	264.00	88	483-3M	483.00	161	1374-3M	1374.00	458
267-3M	267.00	89	486-3M	486.00	162	1569-3M	1569.00	523
270-3M	270.00	90	492-3M	492.00	164	1800-3M	1800.00	600
273-3M	273.00	91	495-3M	495.00	165	1863-3M	1863.00	621
276-3M	276.00	92	501-3M	501.00	167	2040-3M	2040.00	680
279-3M	279.00	93	513-3M	513.00	171	2388-3M	2388.00	796
282-3M	282.00	94	519-3M	519.00	173	2640-3M	2640.00	880
285-3M	285.00	95	522-3M	522.00	174	3000-3M	3000.00	1000
288-3M	288.00	96	525-3M	525.00	175	3600-3M	3600.00	1200
291-3M	291.00	97	531-3M	531.00	177	4698-3M	4698.00	1566
294-3M	294.00	98	537-3M	537.00	179	5100-3M	5100.00	1700

Model 5M synchronous belt tooth figure

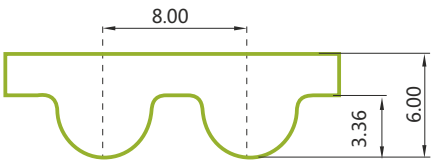


Representation method

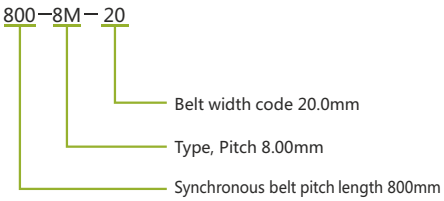


Type	Pitch length	Teeth NO.	Type	Pitch length	Teeth NO.	Type	Pitch length	Teeth NO.
175-5M	175.00	35	560-5M	560.00	112	960-5M	960.00	192
180-5M	180.00	36	565-5M	565.00	113	965-5M	965.00	193
200-5M	200.00	40	570-5M	570.00	114	975-5M	975.00	195
210-5M	210.00	42	575-5M	575.00	115	980-5M	980.00	196
215-5M	215.00	43	580-5M	580.00	116	985-5M	985.00	197
225-5M	225.00	45	585-5M	585.00	117	1000-5M	1000.00	200
230-5M	230.00	46	590-5M	590.00	118	1015-5M	1015.00	203
235-5M	235.00	47	595-5M	595.00	119	1025-5M	1025.00	205
245-5M	245.00	49	600-5M	600.00	120	1035-5M	1035.00	207
250-5M	250.00	50	605-5M	605.00	121	1050-5M	1050.00	210
255-5M	255.00	51	610-5M	610.00	122	1080-5M	1080.00	216
260-5M	260.00	52	615-5M	615.00	123	1100-5M	1100.00	220
265-5M	265.00	53	620-5M	620.00	124	1125-5M	1125.00	225
270-5M	270.00	54	625-5M	625.00	125	1135-5M	1135.00	227
275-5M	275.00	55	630-5M	630.00	126	1145-5M	1145.00	229
280-5M	280.00	56	635-5M	635.00	127	1150-5M	1150.00	230
285-5M	285.00	57	640-5M	640.00	128	1160-5M	1160.00	232
295-5M	295.00	59	645-5M	645.00	129	1175-5M	1175.00	235
300-5M	300.00	60	650-5M	650.00	130	1180-5M	1180.00	236
305-5M	305.00	61	655-5M	655.00	131	1190-5M	1190.00	238
310-5M	310.00	62	665-5M	665.00	133	1195-5M	1195.00	239
320-5M	320.00	64	670-5M	670.00	134	1200-5M	1200.00	240
325-5M	325.00	65	675-5M	675.00	135	1210-5M	1210.00	242
330-5M	330.00	66	680-5M	680.00	136	1225-5M	1225.00	245
335-5M	335.00	67	685-5M	685.00	137	1250-5M	1250.00	250
340-5M	340.00	68	690-5M	690.00	138	1270-5M	1270.00	254
345-5M	345.00	69	695-5M	695.00	139	1295-5M	1295.00	259
350-5M	350.00	70	700-5M	700.00	140	1340-5M	1340.00	268
355-5M	355.00	71	710-5M	710.00	142	1350-5M	1350.00	270
360-5M	360.00	72	715-5M	715.00	143	1380-5M	1380.00	276
365-5M	365.00	73	720-5M	720.00	144	1400-5M	1400.00	280
370-5M	370.00	74	725-5M	725.00	145	1420-5M	1420.00	284
375-5M	375.00	75	730-5M	730.00	146	1455-5M	1455.00	291
380-5M	380.00	76	740-5M	740.00	148	1490-5M	1490.00	298
385-5M	385.00	77	745-5M	745.00	149	1500-5M	1500.00	300
390-5M	390.00	78	750-5M	750.00	150	1520-5M	1520.00	304
400-5M	400.00	80	755-5M	755.00	151	1530-5M	1530.00	306
405-5M	405.00	81	760-5M	760.00	152	1540-5M	1540.00	308
410-5M	410.00	82	765-5M	765.00	153	1575-5M	1575.00	315
420-5M	420.00	84	770-5M	770.00	154	1595-5M	1595.00	319
425-5M	425.00	85	775-5M	775.00	155	1635-5M	1635.00	327
430-5M	430.00	86	780-5M	780.00	156	1690-5M	1690.00	338
435-5M	435.00	87	790-5M	790.00	158	1700-5M	1700.00	340
440-5M	440.00	88	800-5M	800.00	160	1720-5M	1720.00	344
450-5M	450.00	90	810-5M	810.00	162	1760-5M	1760.00	352
460-5M	460.00	92	815-5M	815.00	163	1800-5M	1800.00	360
465-5M	465.00	93	825-5M	825.00	165	1870-5M	1870.00	374
470-5M	470.00	94	830-5M	830.00	166	1895-5M	1895.00	379
475-5M	475.00	95	835-5M	835.00	167	1945-5M	1945.00	389
480-5M	480.00	96	845-5M	845.00	169	2000-5M	2000.00	400
490-5M	490.00	98	850-5M	850.00	170	2050-5M	2050.00	410
495-5M	495.00	99	860-5M	860.00	172	2100-5M	2100.00	420
500-5M	500.00	100	870-5M	870.00	174	2250-5M	2250.00	450
505-5M	505.00	101	890-5M	890.00	178	2350-5M	2350.00	470
510-5M	510.00	102	900-5M	900.00	180	2500-5M	2500.00	500
515-5M	515.00	103	920-5M	920.00	184	2525-5M	2525.00	505
520-5M	520.00	104	925-5M	925.00	185	2650-5M	2650.00	530
525-5M	525.00	105	930-5M	930.00	186	3255-5M	3255.00	651
530-5M	530.00	106	935-5M	935.00	187	3750-5M	3750.00	750
535-5M	535.00	107	940-5M	940.00	188	3770-5M	3770.00	754
540-5M	540.00	108	950-5M	950.00	190	4260-5M	4260.00	852
550-5M	550.00	110	955-5M	955.00	191			

Model 8M synchronous belt tooth figure



Representation method

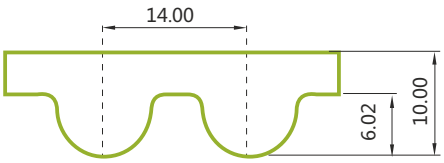


Type	Pitch length	Teeth NO.	Type	Pitch length	Teeth NO.	Type	Pitch length	Teeth NO.
288-8M	288.00	36	1008-8M	1008.00	126	1728-8M	1728.00	216
320-8M	320.00	40	1016-8M	1016.00	127	1760-8M	1760.00	220
336-8M	336.00	42	1032-8M	1032.00	129	1768-8M	1768.00	221
352-8M	352.00	44	1040-8M	1040.00	130	1776-8M	1776.00	222
368-8M	368.00	46	1048-8M	1048.00	131	1784-8M	1784.00	223
376-8M	376.00	47	1056-8M	1056.00	132	1792-8M	1792.00	224
384-8M	384.00	48	1064-8M	1064.00	133	1800-8M	1800.00	225
400-8M	400.00	50	1072-8M	1072.00	134	1824-8M	1824.00	228
416-8M	416.00	52	1080-8M	1080.00	135	1840-8M	1840.00	230
424-8M	424.00	53	1088-8M	1088.00	136	1848-8M	1848.00	231
440-8M	440.00	55	1096-8M	1096.00	137	1856-8M	1856.00	232
448-8M	448.00	56	1104-8M	1104.00	138	1872-8M	1872.00	234
472-8M	472.00	59	1112-8M	1112.00	139	1880-8M	1880.00	235
480-8M	480.00	60	1120-8M	1120.00	140	1888-8M	1888.00	236
488-8M	488.00	61	1128-8M	1128.00	141	1896-8M	1896.00	237
496-8M	496.00	62	1136-8M	1136.00	142	1904-8M	1904.00	238
512-8M	512.00	64	1144-8M	1144.00	143	1920-8M	1920.00	240
520-8M	520.00	65	1152-8M	1152.00	144	1936-8M	1936.00	242
536-8M	536.00	67	1160-8M	1160.00	145	1944-8M	1944.00	243
544-8M	544.00	68	1168-8M	1168.00	146	1952-8M	1952.00	244
552-8M	552.00	69	1176-8M	1176.00	147	1960-8M	1960.00	245
560-8M	560.00	70	1184-8M	1184.00	148	2000-8M	2000.00	250
568-8M	568.00	71	1192-8M	1192.00	149	2008-8M	2008.00	251
576-8M	576.00	72	1200-8M	1200.00	150	2016-8M	2016.00	252
584-8M	584.00	73	1208-8M	1208.00	151	2032-8M	2032.00	254
592-8M	592.00	74	1216-8M	1216.00	152	2048-8M	2048.00	256
600-8M	600.00	75	1224-8M	1224.00	153	2056-8M	2056.00	257
608-8M	608.00	76	1232-8M	1232.00	154	2080-8M	2080.00	260
624-8M	624.00	78	1240-8M	1240.00	155	2096-8M	2096.00	262
632-8M	632.00	79	1248-8M	1248.00	156	2104-8M	2104.00	263
640-8M	640.00	80	1256-8M	1256.00	157	2120-8M	2120.00	265
656-8M	656.00	82	1264-8M	1264.00	158	2160-8M	2160.00	270
672-8M	672.00	84	1272-8M	1272.00	159	2176-8M	2176.00	272
680-8M	680.00	85	1280-8M	1280.00	160	2184-8M	2184.00	273
688-8M	688.00	86	1296-8M	1296.00	162	2200-8M	2200.00	275
696-8M	696.00	87	1304-8M	1304.00	163	2208-8M	2208.00	276
712-8M	712.00	89	1312-8M	1312.00	164	2224-8M	2224.00	278
720-8M	720.00	90	1320-8M	1320.00	165	2240-8M	2240.00	280
728-8M	728.00	91	1328-8M	1328.00	166	2248-8M	2248.00	281
736-8M	736.00	92	1344-8M	1344.00	168	2272-8M	2272.00	284
744-8M	744.00	93	1360-8M	1360.00	170	2304-8M	2304.00	288
760-8M	760.00	95	1392-8M	1392.00	174	2352-8M	2352.00	294
768-8M	768.00	96	1400-8M	1400.00	175	2392-8M	2392.00	299
776-8M	776.00	97	1408-8M	1408.00	176	2400-8M	2400.00	300
784-8M	784.00	98	1416-8M	1416.00	177	2488-8M	2488.00	311
800-8M	800.00	100	1424-8M	1424.00	178	2504-8M	2504.00	313
824-8M	824.00	103	1432-8M	1432.00	179	2536-8M	2536.00	317
832-8M	832.00	104	1440-8M	1440.00	180	2600-8M	2600.00	325
840-8M	840.00	105	1456-8M	1456.00	182	2656-8M	2656.00	332
848-8M	848.00	106	1464-8M	1464.00	183	2688-8M	2688.00	336
856-8M	856.00	107	1480-8M	1480.00	185	2800-8M	2800.00	350
864-8M	864.00	108	1512-8M	1512.00	189	2840-8M	2840.00	355
872-8M	872.00	109	1520-8M	1520.00	190	2848-8M	2848.00	356
880-8M	880.00	110	1536-8M	1536.00	192	3048-8M	3048.00	381
888-8M	888.00	111	1552-8M	1552.00	194	3120-8M	3120.00	390
896-8M	896.00	112	1560-8M	1560.00	195	3168-8M	3168.00	396
912-8M	912.00	114	1576-8M	1576.00	197	3200-8M	3200.00	400
920-8M	920.00	115	1584-8M	1584.00	198	3280-8M	3280.00	410
928-8M	928.00	116	1600-8M	1600.00	200	3360-8M	3360.00	420
936-8M	936.00	117	1608-8M	1608.00	201	3400-8M	3400.00	425
944-8M	944.00	118	1624-8M	1624.00	203	3424-8M	3424.00	428
952-8M	952.00	119	1640-8M	1640.00	205	3600-8M	3600.00	450
960-8M	960.00	120	1648-8M	1648.00	206	3824-8M	3824.00	478
968-8M	968.00	121	1656-8M	1656.00	207	4000-8M	4000.00	500
976-8M	976.00	122	1680-8M	1680.00	210	4224-8M	4224.00	528
984-8M	984.00	123	1696-8M	1696.00	212	4400-8M	4400.00	550
992-8M	992.00	124	1704-8M	1704.00	213	4520-8M	4520.00	565
1000-8M	1000.00	125	1720-8M	1720.00	215	5280-8M	5280.00	660

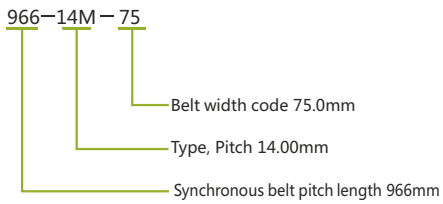
14M Synchronous Belt

Please refer to P58 for 14M synchronous pulley.

Model 14M synchronous belt tooth figure



Representation method

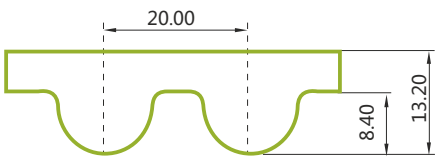


Type	Pitch length	Teeth NO.	Type	Pitch length	Teeth NO.	Type	Pitch length	Teeth NO.
784-14M	784.00	56	1568-14M	1568.00	112	2240-14M	2240.00	160
924-14M	924.00	66	1610-14M	1610.00	115	2310-14M	2310.00	165
966-14M	966.00	69	1638-14M	1638.00	117	2338-14M	2338.00	167
1036-14M	1036.00	74	1652-14M	1652.00	118	2380-14M	2380.00	170
1050-14M	1050.00	75	1680-14M	1680.00	120	2450-14M	2450.00	175
1064-14M	1064.00	76	1736-14M	1736.00	124	2520-14M	2520.00	180
1092-14M	1092.00	78	1750-14M	1750.00	125	2590-14M	2590.00	185
1120-14M	1120.00	80	1764-14M	1764.00	126	2660-14M	2660.00	190
1176-14M	1176.00	84	1778-14M	1778.00	127	2688-14M	2688.00	192
1190-14M	1190.00	85	1792-14M	1792.00	128	2730-14M	2730.00	195
1246-14M	1246.00	89	1806-14M	1806.00	129	2800-14M	2800.00	200
1260-14M	1260.00	90	1820-14M	1820.00	130	2940-14M	2940.00	210
1288-14M	1288.00	92	1890-14M	1890.00	135	3038-14M	3038.00	217
1316-14M	1316.00	94	1904-14M	1904.00	136	3150-14M	3150.00	225
1344-14M	1344.00	96	1946-14M	1946.00	139	3360-14M	3360.00	240
1358-14M	1358.00	97	1960-14M	1960.00	140	3500-14M	3500.00	250
1400-14M	1400.00	100	1988-14M	1988.00	142	3850-14M	3850.00	275
1442-14M	1442.00	103	2002-14M	2002.00	143	4004-14M	4004.00	286
1456-14M	1456.00	104	2044-14M	2044.00	146	4326-14M	4326.00	309
1512-14M	1512.00	108	2100-14M	2100.00	150	4578-14M	4578.00	327
1540-14M	1540.00	110	2198-14M	2198.00	157	4760-14M	4760.00	340

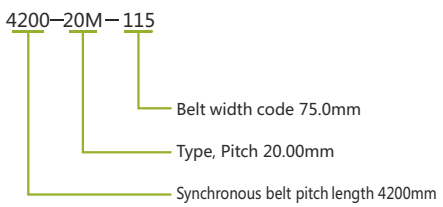
20M Synchronous Belt

Please refer to P59 for 20M synchronous pulley.

Model H20M synchronous belt tooth figure



Representation method

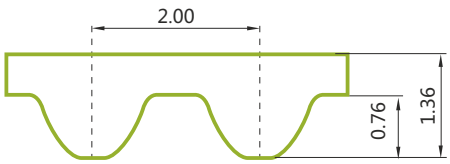


Type	Pitch length	Teeth NO.	Type	Pitch length	Teeth NO.	Type	Pitch length	Teeth NO.
2000-20M	2000.00	100	3400-20M	3400.00	170	4900-20M	4900.00	245
2500-20M	2500.00	125	3800-20M	3800.00	190	5000-20M	5000.00	250
3200-20M	3200.00	160	4200-20M	4200.00	210	5200-20M	5200.00	260
3220-20M	3220.00	161	4600-20M	4600.00	230			

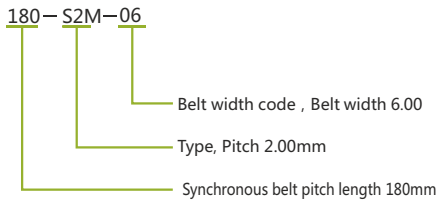
S2M Synchronous Belt

Please refer to P60 for S2M synchronous pulley.

Model S2M synchronous belt tooth figure



Representation method



Type	Pitch length	Teeth NO.
88-S2M	88.00	44
100-S2M	100.00	50
102-S2M	102.00	51
104-S2M	104.00	52
112-S2M	112.00	56
118-S2M	118.00	59
120-S2M	120.00	60
122-S2M	122.00	61
124-S2M	124.00	62
126-S2M	126.00	63
130-S2M	130.00	65
134-S2M	134.00	67
138-S2M	138.00	69
142-S2M	142.00	71
144-S2M	144.00	72
146-S2M	146.00	73
152-S2M	152.00	76
156-S2M	156.00	78
160-S2M	160.00	80
164-S2M	164.00	82
168-S2M	168.00	84
170-S2M	170.00	85
172-S2M	172.00	86
176-S2M	176.00	88
180-S2M	180.00	90
182-S2M	182.00	91
186-S2M	186.00	93
188-S2M	188.00	94
190-S2M	190.00	95
192-S2M	192.00	96
194-S2M	194.00	97
200-S2M	200.00	100
202-S2M	202.00	101

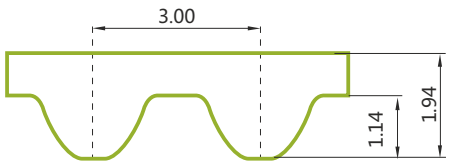
Type	Pitch length	Teeth NO.
204-S2M	204.00	102
210-S2M	210.00	105
212-S2M	212.00	106
218-S2M	218.00	109
224-S2M	224.00	112
230-S2M	230.00	115
236-S2M	236.00	118
240-S2M	240.00	120
244-S2M	244.00	122
248-S2M	248.00	124
250-S2M	250.00	125
252-S2M	252.00	126
256-S2M	256.00	128
260-S2M	260.00	130
264-S2M	264.00	132
266-S2M	266.00	133
274-S2M	274.00	137
280-S2M	280.00	140
284-S2M	284.00	142
286-S2M	286.00	143
288-S2M	288.00	144
290-S2M	290.00	145
292-S2M	292.00	146
302-S2M	302.00	151
306-S2M	306.00	153
308-S2M	308.00	154
320-S2M	320.00	160
322-S2M	322.00	161
324-S2M	324.00	162
330-S2M	330.00	165
336-S2M	336.00	168
340-S2M	340.00	170
344-S2M	344.00	172

Type	Pitch length	Teeth NO.
354-S2M	354.00	177
356-S2M	356.00	178
360-S2M	360.00	180
370-S2M	370.00	185
376-S2M	376.00	188
380-S2M	380.00	190
386-S2M	386.00	193
390-S2M	390.00	195
392-S2M	392.00	196
400-S2M	400.00	200
426-S2M	426.00	213
440-S2M	440.00	220
448-S2M	448.00	224
452-S2M	452.00	226
460-S2M	460.00	230
492-S2M	492.00	246
494-S2M	494.00	247
500-S2M	500.00	250
518-S2M	518.00	259
520-S2M	520.00	260
560-S2M	560.00	280
604-S2M	604.00	302
630-S2M	630.00	315
710-S2M	710.00	355
800-S2M	800.00	400
896-S2M	896.00	448
900-S2M	900.00	450
1224-S2M	1224.00	612
3000-S2M	3000.00	1500
3672-S2M	3672.00	1836
3828-S2M	3828.00	1914

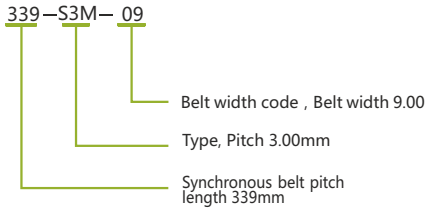
S3M Synchronous Belt

Please refer to P61 for S3M synchronous pulley.

Model S3M synchronous belt tooth figure



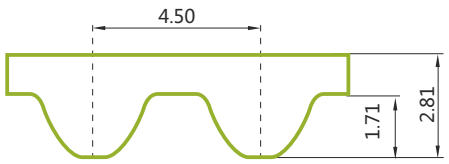
Representation method



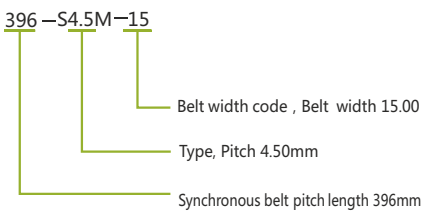
Type	Pitch length	Teeth NO.	Type	Pitch length	Teeth NO.	Type	Pitch length	Teeth NO.
123-S3M	123.00	41	324-S3M	324.00	108	585-S3M	585.00	195
129-S3M	129.00	43	327-S3M	327.00	109	591-S3M	591.00	197
138-S3M	138.00	46	330-S3M	330.00	110	597-S3M	597.00	199
144-S3M	144.00	48	339-S3M	339.00	113	600-S3M	600.00	200
150-S3M	150.00	50	354-S3M	354.00	118	606-S3M	606.00	202
159-S3M	159.00	53	357-S3M	357.00	119	633-S3M	633.00	211
162-S3M	162.00	54	360-S3M	360.00	120	636-S3M	636.00	212
171-S3M	171.00	57	378-S3M	378.00	126	660-S3M	660.00	220
174-S3M	174.00	58	384-S3M	384.00	128	693-S3M	693.00	231
177-S3M	177.00	59	390-S3M	390.00	130	699-S3M	699.00	233
180-S3M	180.00	60	396-S3M	396.00	132	714-S3M	714.00	238
183-S3M	183.00	61	399-S3M	399.00	133	741-S3M	741.00	247
186-S3M	186.00	62	402-S3M	402.00	134	750-S3M	750.00	250
192-S3M	192.00	64	405-S3M	405.00	135	756-S3M	756.00	252
195-S3M	195.00	65	408-S3M	408.00	136	780-S3M	780.00	260
201-S3M	201.00	67	420-S3M	420.00	140	783-S3M	783.00	261
207-S3M	207.00	69	432-S3M	432.00	144	804-S3M	804.00	268
210-S3M	210.00	70	435-S3M	435.00	145	810-S3M	810.00	270
213-S3M	213.00	71	450-S3M	450.00	150	840-S3M	840.00	280
219-S3M	219.00	73	453-S3M	453.00	151	900-S3M	900.00	300
225-S3M	225.00	75	456-S3M	456.00	152	918-S3M	918.00	306
231-S3M	231.00	77	465-S3M	465.00	155	924-S3M	924.00	308
234-S3M	234.00	78	480-S3M	480.00	160	927-S3M	927.00	309
237-S3M	237.00	79	486-S3M	486.00	162	948-S3M	948.00	316
240-S3M	240.00	80	501-S3M	501.00	167	999-S3M	999.00	333
246-S3M	246.00	82	504-S3M	504.00	168	1005-S3M	1005.00	335
252-S3M	252.00	84	507-S3M	507.00	169	1056-S3M	1056.00	352
255-S3M	255.00	85	510-S3M	510.00	170	1110-S3M	1110.00	370
267-S3M	267.00	89	519-S3M	519.00	173	1188-S3M	1188.00	396
270-S3M	270.00	90	522-S3M	522.00	174	1203-S3M	1203.00	401
276-S3M	276.00	92	537-S3M	537.00	179	1245-S3M	1245.00	415
282-S3M	282.00	94	564-S3M	564.00	188	1263-S3M	1263.00	421
297-S3M	297.00	99	570-S3M	570.00	190	1290-S3M	1290.00	430
300-S3M	300.00	100	573-S3M	573.00	191	1500-S3M	1500.00	500
312-S3M	312.00	104	582-S3M	582.00	194			

S4.5M Synchronous Belt

Model S4.5M synchronous belt tooth figure



Representation method



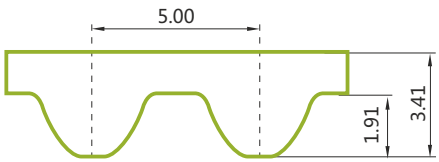
S4.5M Synchronous Belt

Type	Pitch length	Teeth NO.	Type	Pitch length	Teeth NO.	Type	Pitch length	Teeth NO.
180-S4.5M	180.00	40	346.5-S4.5M	346.50	77	504-S4.5M	504.00	112
198-S4.5M	198.00	44	351-S4.5M	351.00	78	517.5-S4.5M	517.50	115
202.5-S4.5M	202.50	45	360-S4.5M	360.00	80	540-S4.5M	540.00	120
225-S4.5M	225.00	50	369-S4.5M	369.00	82	558-S4.5M	558.00	124
252-S4.5M	252.00	56	382.5-S4.5M	382.50	85	562.5-S4.5M	562.50	125
274.5-S4.5M	274.50	61	387-S4.5M	387.00	86	567-S4.5M	567.00	126
279-S4.5M	279.00	62	396-S4.5M	396.00	88	612-S4.5M	612.00	136
283.5-S4.5M	283.50	63	414-S4.5M	414.00	92	630-S4.5M	630.00	140
297-S4.5M	297.00	66	436.5-S4.5M	436.50	97	652.5-S4.5M	652.50	145
315-S4.5M	315.00	70	441-S4.5M	441.00	98	675-S4.5M	675.00	150
324-S4.5M	324.00	72	450-S4.5M	450.00	100	711-S4.5M	711.00	158
328.5-S4.5M	328.50	73	468-S4.5M	468.00	104	801-S4.5M	801.00	178
333-S4.5M	333.00	74	486-S4.5M	486.00	108	864-S4.5M	864.00	192
337.5-S4.5M	337.50	75	490.5-S4.5M	490.50	109	904.5-S4.5M	904.50	201
342-S4.5M	342.00	76	499.5-S4.5M	499.50	111			

S5M Synchronous Belt

Please refer to P62 for S5M synchronous pulley.

Model S5M synchronous belt tooth figure



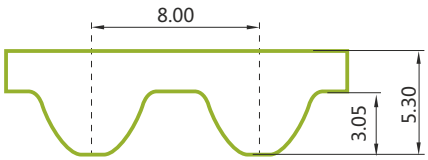
Representation method

500 — S5M — 15

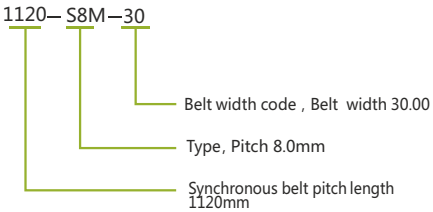
- 15: Belt width code , Beltwidth 15.00
- S5M: Type, Pitch 5.00mm
- 500: Synchronous belt pitch length 500mm

Type	Pitch length	Teeth NO.	Type	Pitch length	Teeth NO.	Type	Pitch length	Teeth NO.
150-S5M	150.00	30	555-S5M	555.00	111	940-S5M	940.00	188
180-S5M	180.00	36	560-S5M	560.00	112	950-S5M	950.00	190
250-S5M	250.00	50	565-S5M	565.00	113	960-S5M	960.00	192
255-S5M	255.00	51	575-S5M	575.00	115	975-S5M	975.00	195
275-S5M	275.00	55	600-S5M	600.00	120	1000-S5M	1000.00	200
280-S5M	280.00	56	625-S5M	625.00	125	1025-S5M	1025.00	205
295-S5M	295.00	59	635-S5M	635.00	127	1050-S5M	1050.00	210
300-S5M	300.00	60	645-S5M	645.00	129	1115-S5M	1115.00	223
305-S5M	305.00	61	650-S5M	650.00	130	1125-S5M	1125.00	225
325-S5M	325.00	65	655-S5M	655.00	131	1145-S5M	1145.00	229
335-S5M	335.00	67	660-S5M	660.00	132	1160-S5M	1160.00	232
340-S5M	340.00	68	665-S5M	665.00	133	1195-S5M	1195.00	239
350-S5M	350.00	70	670-S5M	670.00	134	1200-S5M	1200.00	240
355-S5M	355.00	71	675-S5M	675.00	135	1225-S5M	1225.00	245
375-S5M	375.00	75	690-S5M	690.00	138	1250-S5M	1250.00	250
390-S5M	390.00	78	695-S5M	695.00	139	1270-S5M	1270.00	254
400-S5M	400.00	80	700-S5M	700.00	140	1350-S5M	1350.00	270
410-S5M	410.00	82	710-S5M	710.00	142	1420-S5M	1420.00	284
415-S5M	415.00	83	750-S5M	750.00	150	1475-S5M	1475.00	295
420-S5M	420.00	84	770-S5M	770.00	154	1500-S5M	1500.00	300
425-S5M	425.00	85	780-S5M	780.00	156	1530-S5M	1530.00	306
440-S5M	440.00	88	800-S5M	800.00	160	1550-S5M	1550.00	310
445-S5M	445.00	89	810-S5M	810.00	162	1595-S5M	1595.00	319
450-S5M	450.00	90	830-S5M	830.00	166	1615-S5M	1615.00	323
455-S5M	455.00	91	835-S5M	835.00	167	1690-S5M	1690.00	338
475-S5M	475.00	95	850-S5M	850.00	170	1800-S5M	1800.00	360
490-S5M	490.00	98	865-S5M	865.00	173	1960-S5M	1960.00	392
500-S5M	500.00	100	880-S5M	880.00	176	2000-S5M	2000.00	400
515-S5M	515.00	103	890-S5M	890.00	178	2525-S5M	2525.00	505
520-S5M	520.00	104	900-S5M	900.00	180	2800-S5M	2800.00	560
525-S5M	525.00	105	905-S5M	905.00	181	3000-S5M	3000.00	600
550-S5M	550.00	110						

Model S8M synchronous belt tooth figure



Representation method

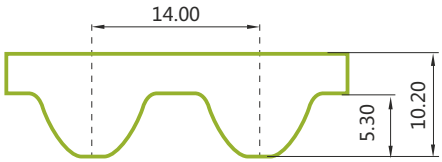


Type	Pitch length	Teeth NO.	Type	Pitch length	Teeth NO.	Type	Pitch length	Teeth NO.
400-S8M	400.00	50	1016-S8M	1016.00	127	1624-S8M	1624.00	203
424-S8M	424.00	53	1024-S8M	1024.00	128	1640-S8M	1640.00	205
432-S8M	432.00	54	1032-S8M	1032.00	129	1648-S8M	1648.00	206
440-S8M	440.00	55	1040-S8M	1040.00	130	1680-S8M	1680.00	210
464-S8M	464.00	58	1056-S8M	1056.00	132	1688-S8M	1688.00	211
480-S8M	480.00	60	1072-S8M	1072.00	134	1728-S8M	1728.00	216
496-S8M	496.00	62	1080-S8M	1080.00	135	1760-S8M	1760.00	220
512-S8M	512.00	64	1088-S8M	1088.00	136	1776-S8M	1776.00	222
520-S8M	520.00	65	1096-S8M	1096.00	137	1792-S8M	1792.00	224
560-S8M	560.00	70	1120-S8M	1120.00	140	1800-S8M	1800.00	225
584-S8M	584.00	73	1128-S8M	1128.00	141	1880-S8M	1880.00	235
592-S8M	592.00	74	1136-S8M	1136.00	142	1904-S8M	1904.00	238
600-S8M	600.00	75	1144-S8M	1144.00	143	1952-S8M	1952.00	244
616-S8M	616.00	77	1152-S8M	1152.00	144	2000-S8M	2000.00	250
632-S8M	632.00	79	1160-S8M	1160.00	145	2032-S8M	2032.00	254
640-S8M	640.00	80	1184-S8M	1184.00	148	2040-S8M	2040.00	255
656-S8M	656.00	82	1200-S8M	1200.00	150	2048-S8M	2048.00	256
680-S8M	680.00	85	1216-S8M	1216.00	152	2056-S8M	2056.00	257
704-S8M	704.00	88	1224-S8M	1224.00	153	2080-S8M	2080.00	260
712-S8M	712.00	89	1240-S8M	1240.00	155	2120-S8M	2120.00	265
720-S8M	720.00	90	1248-S8M	1248.00	156	2136-S8M	2136.00	267
752-S8M	752.00	94	1256-S8M	1256.00	157	2160-S8M	2160.00	270
760-S8M	760.00	95	1264-S8M	1264.00	158	2200-S8M	2200.00	275
776-S8M	776.00	97	1280-S8M	1280.00	160	2240-S8M	2240.00	280
792-S8M	792.00	99	1304-S8M	1304.00	163	2272-S8M	2272.00	284
800-S8M	800.00	100	1312-S8M	1312.00	164	2296-S8M	2296.00	287
816-S8M	816.00	102	1320-S8M	1320.00	165	2304-S8M	2304.00	288
824-S8M	824.00	103	1344-S8M	1344.00	168	2400-S8M	2400.00	300
840-S8M	840.00	105	1352-S8M	1352.00	169	2496-S8M	2496.00	312
848-S8M	848.00	106	1360-S8M	1360.00	170	2600-S8M	2600.00	325
880-S8M	880.00	110	1376-S8M	1376.00	172	2800-S8M	2800.00	350
888-S8M	888.00	111	1384-S8M	1384.00	173	2848-S8M	2848.00	356
896-S8M	896.00	112	1400-S8M	1400.00	175	2880-S8M	2880.00	360
904-S8M	904.00	113	1424-S8M	1424.00	178	3200-S8M	3200.00	400
920-S8M	920.00	115	1440-S8M	1440.00	180	3280-S8M	3280.00	410
944-S8M	944.00	118	1480-S8M	1480.00	185	3400-S8M	3400.00	425
960-S8M	960.00	120	1512-S8M	1512.00	189	3440-S8M	3440.00	430
976-S8M	976.00	122	1520-S8M	1520.00	190	3600-S8M	3600.00	450
984-S8M	984.00	123	1544-S8M	1544.00	193	3720-S8M	3720.00	465
1000-S8M	1000.00	125	1552-S8M	1552.00	194	4000-S8M	4000.00	500
1008-S8M	1008.00	126	1600-S8M	1600.00	200	5280-S8M	5280.00	660

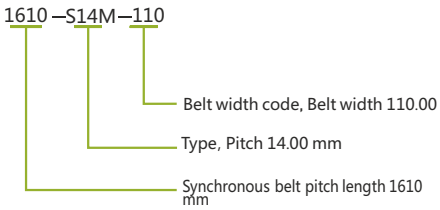
S14M Synchronous Belt

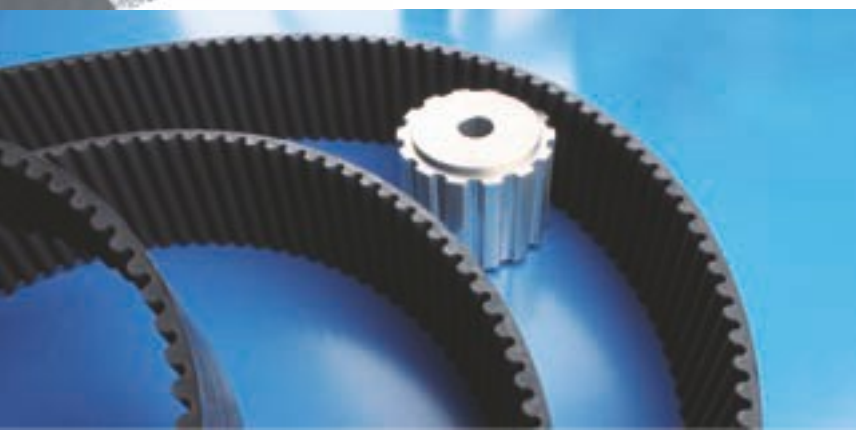
Please refer to P64 for S14M synchronous pulley.

Model S14M synchronous belt tooth figure



Representation method





Type	Pitch length	Teeth NO.
966-S14M	966.00	69
1008-S14M	1008.00	72
1120-S14M	1120.00	80
1190-S14M	1190.00	85
1246-S14M	1246.00	89
1400-S14M	1400.00	100
1456-S14M	1456.00	104
1470-S14M	1470.00	105
1540-S14M	1540.00	110
1610-S14M	1610.00	115
1652-S14M	1652.00	118
1750-S14M	1750.00	125
1764-S14M	1764.00	126

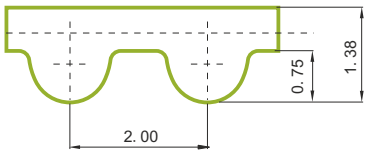
Type	Pitch length	Teeth NO.
1778-S14M	1778.00	127
1806-S14M	1806.00	129
1890-S14M	1890.00	135
1904-S14M	1904.00	136
1932-S14M	1932.00	138
1960-S14M	1960.00	140
2002-S14M	2002.00	143
2100-S14M	2100.00	150
2156-S14M	2156.00	154
2240-S14M	2240.00	160
2310-S14M	2310.00	165
2380-S14M	2380.00	170
2450-S14M	2450.00	175

Type	Pitch length	Teeth NO.
2590-S14M	2590.00	185
2800-S14M	2800.00	200
3136-S14M	3136.00	224
3150-S14M	3150.00	225
3500-S14M	3500.00	250
3850-S14M	3850.00	275
4004-S14M	4004.00	286
4060-S14M	4060.00	290
4326-S14M	4326.00	309
4410-S14M	4410.00	315
4508-S14M	4508.00	322

G2M Synchronous Belt

Please refer to P65 for G2M synchronous pulley.

Model G2M synchronous belt tooth figure



Representation method

180 - G2M - 06

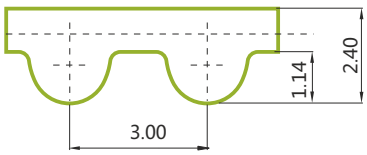
- 06: Belt width code 6.00 mm
- G2M: Type, Pitch 2.00 mm
- 180: Synchronous belt pitch length 180 mm

Type	Pitch length	Teeth NO.	Type	Pitch length	Teeth NO.	Type	Pitch length	Teeth NO.
112G2M	112.00	56	266G2M	266.00	133	530G2M	530.00	265
120G2M	120.00	60	274G2M	274.00	137	560G2M	560.00	280
132G2M	132.00	66	280G2M	280.00	140	710G2M	710.00	355
180G2M	180.00	90	310G2M	310.00	155	984G2M	984.00	492
184G2M	184.00	92	328G2M	328.00	164	994G2M	994.00	497
236G2M	236.00	118	426G2M	426.00	213	1066G2M	1066.00	533
250G2M	250.00	125	448G2M	448.00	224	1224G2M	1224.00	612

G3M Synchronous Belt

Please refer to P66 for G3M synchronous pulley.

Model G3M synchronous belt tooth figure



Representation method

339 - G3M - 09

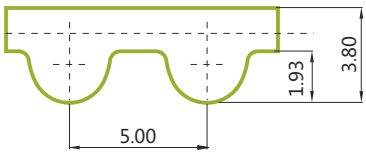
- 09: Belt width code 75.0 mm
- G3M: Type, Pitch 3.00 mm
- 339: Synchronous belt pitch length 339mm

Type	Pitch length	Teeth NO.	Type	Pitch length	Teeth NO.	Type	Pitch length	Teeth NO.
90G3M	90.00	30	285G3M	285.00	95	513G3M	513.00	171
105G3M	105.00	35	288G3M	288.00	96	522G3M	522.00	174
*138G3M	138.00	46	291G3M	291.00	97	525G3M	525.00	175
141G3M	141.00	47	297G3M	297.00	99	531G3M	531.00	177
144G3M	144.00	48	300G3M	300.00	100	*540G3M	540.00	180
147G3M	147.00	49	318G3M	318.00	106	564G3M	564.00	188
150G3M	150.00	50	327G3M	327.00	109	570G3M	570.00	190
159G3M	159.00	53	330G3M	330.00	110	576G3M	576.00	192
168G3M	168.00	56	333G3M	333.00	111	579G3M	579.00	193
174G3M	174.00	58	336G3M	336.00	112	597G3M	597.00	199
177G3M	177.00	59	339G3M	339.00	113	600G3M	600.00	200
180G3M	180.00	60	345G3M	345.00	115	621G3M	621.00	207
186G3M	186.00	62	354G3M	354.00	118	633G3M	633.00	211
195G3M	195.00	65	357G3M	357.00	119	648G3M	648.00	216
201G3M	201.00	67	363G3M	363.00	121	669G3M	669.00	223
204G3M	204.00	68	375G3M	375.00	125	711G3M	711.00	237
210G3M	210.00	70	384G3M	384.00	128	735G3M	735.00	245
213G3M	213.00	71	390G3M	390.00	130	756G3M	756.00	252
225G3M	225.00	75	393G3M	393.00	131	804G3M	804.00	268
231G3M	231.00	77	405G3M	405.00	135	882G3M	882.00	294
240G3M	240.00	80	420G3M	420.00	140	945G3M	945.00	315
243G3M	243.00	81	432G3M	432.00	144	1062G3M	1062.00	354
246G3M	246.00	82	447G3M	447.00	149	1125G3M	1125.00	375
252G3M	252.00	84	474G3M	474.00	158	1245G3M	1245.00	415
255G3M	255.00	85	480G3M	480.00	160	1263G3M	1263.00	421
264G3M	264.00	88	486G3M	486.00	162	1500G3M	1500.00	500
267G3M	267.00	89	489G3M	489.00	163	1530G3M	1530.00	510
270G3M	270.00	90	501G3M	501.00	167	1863G3M	1863.00	621
276G3M	276.00	92	510G3M	510.00	170			

G5M Synchronous Belt

Please refer to P67 for G5M synchronous pulley.

Model G5M synchronous belt tooth figure



Representation method

500 - G5M - 15

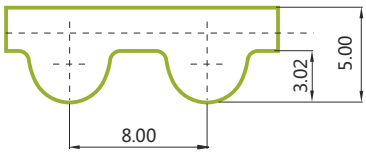
- 15: Belt width code 15.00 mm
- G5M: Type, Pitch 5.00 mm
- 500: Synchronous belt pitch length 500mm

Type	Pitch length	Teeth NO.	Type	Pitch length	Teeth NO.	Type	Pitch length	Teeth NO.
180G5M	180.00	36	475G5M	475.00	95	835G5M	835.00	167
225G5M	225.00	45	*500G5M	500.00	100	850G5M	850.00	170
235G5M	235.00	47	525G5M	525.00	105	890G5M	890.00	178
245G5M	245.00	49	535G5M	535.00	107	935G5M	935.00	187
255G5M	255.00	51	550G5M	550.00	110	940G5M	940.00	188
265G5M	265.00	53	565G5M	565.00	113	*960G5M	960.00	192
270G5M	270.00	54	575G5M	575.00	115	980G5M	980.00	196
285G5M	285.00	57	580G5M	580.00	116	1000G5M	1000.00	200
295G5M	295.00	59	600G5M	600.00	120	1050G5M	1050.00	210
300G5M	300.00	60	610G5M	610.00	122	1100G5M	1100.00	220
305G5M	305.00	61	635G5M	635.00	127	1125G5M	1125.00	225
325G5M	325.00	65	640G5M	640.00	128	1195G5M	1195.00	239
345G5M	345.00	69	670G5M	670.00	134	1200G5M	1200.00	240
350G5M	350.00	70	675G5M	675.00	135	1240G5M	1240.00	248
375G5M	375.00	75	700G5M	700.00	140	1270G5M	1270.00	254
400G5M	400.00	80	705G5M	705.00	141	1420G5M	1420.00	284
*420G5M	420.00	84	710G5M	710.00	142	1595G5M	1595.00	319
425G5M	425.00	85	725G5M	725.00	145	1690G5M	1690.00	338
450G5M	450.00	90	740G5M	740.00	148	1790G5M	1790.00	358
455G5M	455.00	91	755G5M	755.00	151	1800G5M	1800.00	360
460G5M	460.00	92	780G5M	780.00	156	1895G5M	1895.00	379
465G5M	465.00	93	800G5M	800.00	160	2000G5M	2000.00	400

Y8M Synchronous Belt

Please refer to P68 for Y8M synchronous pulley.

Model Y8M synchronous belt tooth figure



Representation method

1120 - Y8M - 30

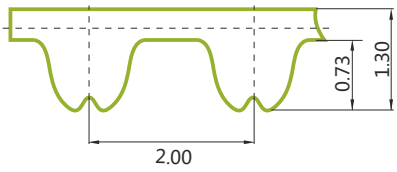
- 30: Belt width code 30.00 mm
- Y8M: Type, Pitch 8.0 mm
- 1120: Synchronous belt pitch length 1120mm

Type	Pitch length	Teeth NO.	Type	Pitch length	Teeth NO.	Type	Pitch length	Teeth NO.
320Y8M	320.00	40	*976Y8M	976.00	122	*1336Y8M	1336.00	167
480Y8M	480.00	60	*1016Y8M	1016.00	127	*1344Y8M	1344.00	168
536Y8M	536.00	67	*1032Y8M	1032.00	129	1352Y8M	1352.00	169
560Y8M	560.00	70	*1064Y8M	1064.00	133	*1376Y8M	1376.00	172
*600Y8M	600.00	75	1080Y8M	1080.00	135	1440Y8M	1440.00	180
632Y8M	632.00	79	*1096Y8M	1096.00	137	1464Y8M	1464.00	183
640Y8M	640.00	80	1120Y8M	1120.00	140	1600Y8M	1600.00	200
*680Y8M	680.00	85	*1136Y8M	1136.00	142	*1656Y8M	1656.00	207
*720Y8M	720.00	90	*1184Y8M	1184.00	148	1760Y8M	1760.00	220
*728Y8M	728.00	91	*1200Y8M	1200.00	150	1800Y8M	1800.00	225
*800Y8M	800.00	100	*1216Y8M	1216.00	152	1904Y8M	1904.00	238
*832Y8M	832.00	104	*1256Y8M	1256.00	157	2000Y8M	2000.00	250
864Y8M	864.00	108	1280Y8M	1280.00	160	2064Y8M	2064.00	258
*880Y8M	880.00	110	*1296Y8M	1296.00	162	2200Y8M	2200.00	275
*888Y8M	888.00	111	*1312Y8M	1312.00	164	2320Y8M	2320.00	290
*920Y8M	920.00	115	*1320Y8M	1320.00	165	2400Y8M	2400.00	300

P2M Synchronous Belt

Please refer to P69 for P2M synchronous pulley.

Model P2M synchronous belt tooth figure



Representation method

250—P2M—06

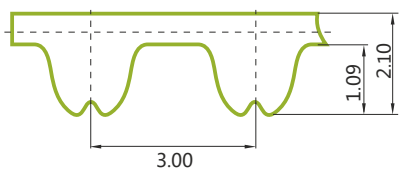
- 06: Belt width code , Belt width 6.00
- P2M: Type, Pitch 2.0 mm
- 250: Synchronous belt pitch length 250 mm

Type	Pitch length	Teeth NO.	Type	Pitch length	Teeth NO.	Type	Pitch length	Teeth NO.
112P2M	112.00	56	266P2M	266.00	133	530P2M	530.00	265
120P2M	120.00	60	274P2M	274.00	137	560P2M	560.00	280
132P2M	132.00	66	280P2M	280.00	140	710P2M	710.00	355
180P2M	180.00	90	310P2M	310.00	155	984P2M	984.00	492
184P2M	184.00	92	328P2M	328.00	164	1066P2M	1066.00	533
236P2M	236.00	118	426P2M	426.00	213	1224P2M	1224.00	612
250P2M	250.00	125	448P2M	448.00	224			

P3M Synchronous Belt

Please refer to P70 for P3M synchronous pulley.

Model P3M synchronous belt tooth figure



Representation method

180—P3M—09

- 09: Belt width code, Belt width 9.00
- P3M: Type, Pitch 3.0 mm
- 180: Synchronous belt pitch length 180mm

Type	Pitch length	Teeth NO.	Type	Pitch length	Teeth NO.	Type	Pitch length	Teeth NO.
90P3M	90.00	30	225P3M	225.00	75	330P3M	330.00	110
105P3M	105.00	35	231P3M	231.00	77	333P3M	333.00	111
129P3M	129.00	43	240P3M	240.00	80	336P3M	336.00	112
141P3M	141.00	47	243P3M	243.00	81	339P3M	339.00	113
144P3M	144.00	48	246P3M	246.00	82	345P3M	345.00	115
147P3M	147.00	49	252P3M	252.00	84	354P3M	354.00	118
150P3M	150.00	50	*255P3M	255.00	85	357P3M	357.00	119
159P3M	159.00	53	264P3M	264.00	88	363P3M	363.00	121
168P3M	168.00	56	267P3M	267.00	89	375P3M	375.00	125
*174P3M	174.00	58	*270P3M	270.00	90	384P3M	384.00	128
177P3M	177.00	59	276P3M	276.00	92	390P3M	390.00	130
*180P3M	180.00	60	285P3M	285.00	95	393P3M	393.00	131
186P3M	186.00	62	288P3M	288.00	96	*405P3M	405.00	135
195P3M	195.00	65	291P3M	291.00	97	*420P3M	420.00	140
201P3M	201.00	67	297P3M	297.00	99	432P3M	432.00	144
204P3M	204.00	68	300P3M	300.00	100	447P3M	447.00	149
*207P3M	207.00	69	318P3M	318.00	106	474P3M	474.00	158
213P3M	213.00	71	327P3M	327.00	109	480P3M	480.00	160

P3M Synchronous Belt

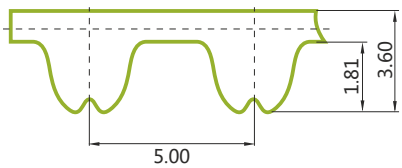
Please refer to P70 for P3M synchronous pulley.

Type	Pitch length	Teeth NO.	Type	Pitch length	Teeth NO.	Type	Pitch length	Teeth NO.
*486P3M	486.00	162	576P3M	576.00	192	804P3M	804.00	268
489P3M	489.00	163	579P3M	579.00	193	882P3M	882.00	294
501P3M	501.00	167	597P3M	597.00	199	945P3M	945.00	315
510P3M	510.00	170	600P3M	600.00	200	1062P3M	1062.00	354
513P3M	513.00	171	621P3M	621.00	207	1125P3M	1125.00	375
522P3M	522.00	174	633P3M	633.00	211	1245P3M	1245.00	415
525P3M	525.00	175	648P3M	648.00	216	1263P3M	1263.00	421
531P3M	531.00	177	669P3M	669.00	223	1500P3M	1500.00	500
537P3M	537.00	179	711P3M	711.00	237	1530P3M	1530.00	510
564P3M	564.00	188	735P3M	735.00	245	1863P3M	1863.00	621
570P3M	570.00	190	756P3M	756.00	252			

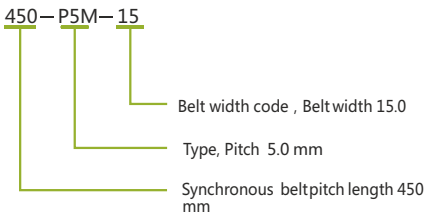
P5M Synchronous Belt

Please refer to P71 for P5M synchronous pulley.

Model P5M synchronous belt tooth figure



Representation method

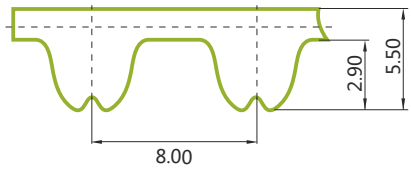


Type	Pitch length	Teeth NO.	Type	Pitch length	Teeth NO.	Type	Pitch length	Teeth NO.
180P5M	180.00	36	*500P5M	500.00	100	850P5M	850.00	170
*225P5M	225.00	45	*510P5M	510.00	102	890P5M	890.00	178
235P5M	235.00	47	*525P5M	525.00	105	935P5M	935.00	187
245P5M	245.00	49	535P5M	535.00	107	940P5M	940.00	188
255P5M	255.00	51	550P5M	550.00	110	950P5M	950.00	190
265P5M	265.00	53	*565P5M	565.00	113	980P5M	980.00	196
270P5M	270.00	54	*575P5M	575.00	115	*1000P5M	1000.00	200
285P5M	285.00	57	580P5M	580.00	116	1050P5M	1050.00	210
*295P5M	295.00	59	600P5M	600.00	120	1100P5M	1100.00	220
300P5M	300.00	60	610P5M	610.00	122	1125P5M	1125.00	225
305P5M	305.00	61	635P5M	635.00	127	1195P5M	1195.00	239
325P5M	325.00	65	*650P5M	650.00	130	1200P5M	1200.00	240
345P5M	345.00	69	670P5M	670.00	134	1240P5M	1240.00	248
350P5M	350.00	70	675P5M	675.00	135	1270P5M	1270.00	254
375P5M	375.00	75	700P5M	700.00	140	1420P5M	1420.00	284
400P5M	400.00	80	705P5M	705.00	141	*1595P5M	1595.00	319
*420P5M	420.00	84	710P5M	710.00	142	1690P5M	1690.00	338
425P5M	425.00	85	725P5M	725.00	145	1790P5M	1790.00	358
450P5M	450.00	90	740P5M	740.00	148	1800P5M	1800.00	360
455P5M	455.00	91	755P5M	755.00	151	1895P5M	1895.00	379
460P5M	460.00	92	780P5M	780.00	156	*2000P5M	2000.00	400
465P5M	465.00	93	*800P5M	800.00	160	*2250P5M	2250.00	450
475P5M	475.00	95	835P5M	835.00	167	*3500P5M	3500.00	700

P8M Synchronous Belt

Please refer to P72 for P8M synchronous pulley.

Model P8M synchronous belt tooth figure



Representation method

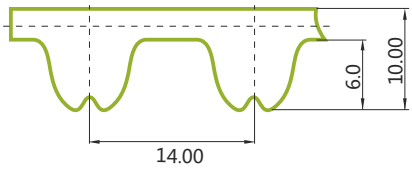
760—P8M—25

- 25: Belt width code, Belt width 25.0
- P8M: Type , Pitch 8.0 mm
- 760: Synchronous belt pitch length 760mm

Type	Pitch length	Teeth NO.	Type	Pitch length	Teeth NO.	Type	Pitch length	Teeth NO.
320P8M	320.00	40	*1000P8M	1000.00	125	1800P8M	1800.00	225
*480P8M	480.00	60	*1032P8M	1032.00	129	*1904P8M	1904.00	238
536P8M	536.00	67	*1040P8M	1040.00	130	*2000P8M	2000.00	250
560P8M	560.00	70	*1056P8M	1056.00	132	*2064P8M	2064.00	258
*600P8M	600.00	75	*1064P8M	1064.00	133	2200P8M	2200.00	275
632P8M	632.00	79	*1080P8M	1080.00	135	*2320P8M	2320.00	290
*640P8M	640.00	80	*1096P8M	1096.00	137	*2400P8M	2400.00	300
680P8M	680.00	85	*1120P8M	1120.00	140	*2496P8M	2496.00	312
720P8M	720.00	90	*1136P8M	1136.00	142	*2552P8M	2552.00	319
760P8M	760.00	95	*1160P8M	1160.00	145	*2600P8M	2600.00	325
*800P8M	800.00	100	*1200P8M	1200.00	150	*2800P8M	2800.00	350
840P8M	840.00	105	1280P8M	1280.00	160	*3048P8M	3048.00	381
856P8M	856.00	107	1352P8M	1352.00	169	*3200P8M	3200.00	400
880P8M	880.00	110	1440P8M	1440.00	180	3304P8M	3304.00	413
*896P8M	896.00	112	1464P8M	1464.00	183	*3600P8M	3600.00	450
*920P8M	920.00	115	1600P8M	1600.00	200	*4400P8M	4400.00	550
*960P8M	960.00	120	*1760P8M	1760.00	220			

P14M Synchronous Belt

Model P14M synchronous belt tooth figure

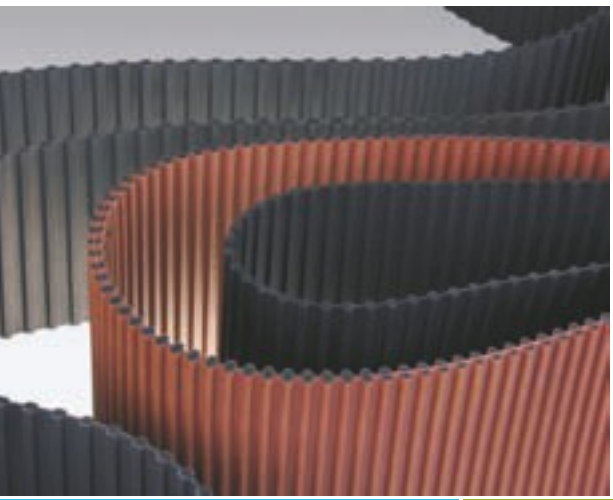


Representation method

1890—P14M—115

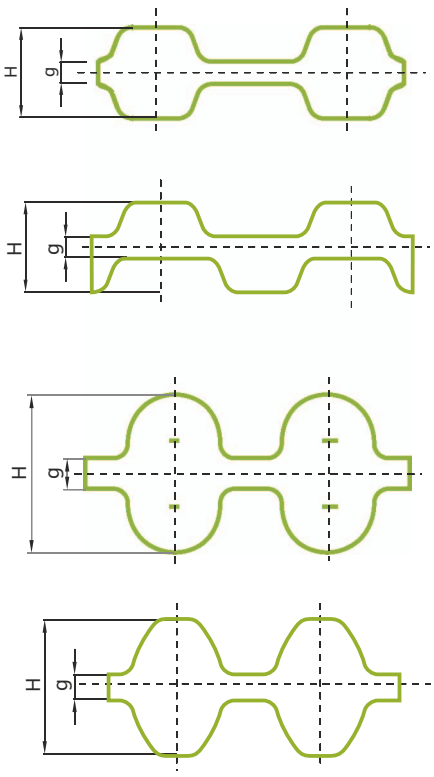
- 115: Belt width code, Belt width 115.0
- P14M: Type, Pitch 14.0 mm
- 1890: Synchronous belt pitch length 1890 mm

Type	Pitch length	Teeth NO.	Type	Pitch length	Teeth NO.	Type	Pitch length	Teeth NO.
*966P14M	966.00	69	1890P14M	1890.00	135	3150P14M	3150.00	225
1190P14M	1190.00	85	2100P14M	2100.00	150	*3360P14M	3360.00	240
*1400P14M	1400.00	100	2310P14M	2310.00	165	3500P14M	3500.00	250
*1610P14M	1610.00	115	2450P14M	2450.00	175	3850P14M	3850.00	275
*1764P14M	1764.00	126	2590P14M	2590.00	185	4326P14M	4326.00	309
*1778P14M	1778.00	127	2800P14M	2800.00	200	4578P14M	4578.00	327



Double Side Synchronous Belt

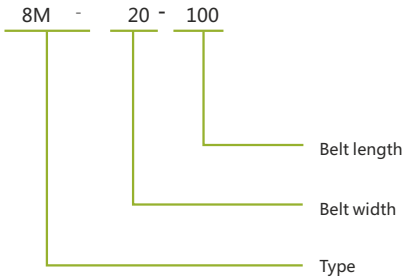
1.We abopt the international standard manufature for pitch and tooth profile of double -cog synchronous belt.
2.Double side synchronous belt has two standard forms.
ModelDA symmetrical arrangement of the two-side tooth
ModelDB staggered tooth arrangement to two-side tooth



Specification model, pitch line differential, thickness size table

Type	g	H	Specification code	Pitch length (mm)	Teeth No. (mm)
D-XL	0.508	3.05	158XL~1020XL	401.32~2590.8	79~510
D-L	0.762	4.58	217L~1148L	552.45~2914.65	58~306
D-H	1.372	5.95	220H~1900H	558.80~4826.00	44~380
D-T5	1	3.4	T5x550~T5x2000	550.00~2000.00	110~400
D-T10	2	7	T10x560~T10x4650	560.00~4650.00	56~465
DA-3M	0.76	3.1	402-3M~3000-3M	402.00~3000.00	134~1670
DA-5M	1.143	5.26	550-5M~4260-5M	550.00~4260.00	110~852
DA-8M	1.372	7.9	552-8M~4520-8M	552.00~4520.00	69~565
DA-14M	2.8	14.84	1036-14M~4578-14M	1036.00~4578.00	74~327
DA-S5M	0.96	4.25	550-S5M~2800-S5M	550.00~2800.00	110~560
DA-S8M	1.372	7.48	560-S8M~4000-S8M	560.00~4000.00	64~500
DA-S14M	2.8	12.36	1008-S14M~4508-S14M	1008.00~4508.00	72~322

Representation method

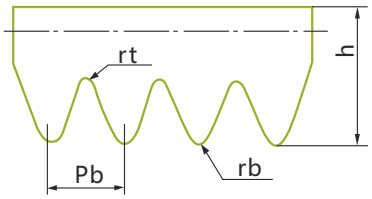


Size and specification of rubber open timing belt

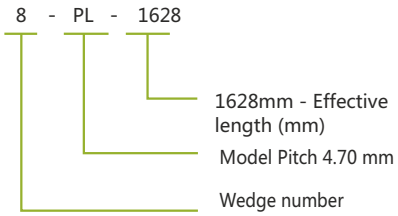
TYPE	Open width	Leng per roll
MXL	025	100
	031	80
	037	65
	050	100
XL	025	65
	031	100
	037	80
	050	65
L	037	65
	050	100
	062	80
	075	65
H	062	120
	075	95
T5	10mm	85
	15mm	55
	20mm	40
T10	10mm	80
	15mm	110
	20mm	80
S2M	6mm	100
	9mm	70
	10mm	65
	12mm	110
	15mm	88

TYPE	Open width	Leng per roll
S3M	6	100
	9	70
	10	65
	12	55
	15	40
S5M	9	130
	10	120
	15	80
	20	60
3M	6	100
	9	70
	10	65
	12	110
	15	88
5M	9	90
	10	80
	12	135
	15	110
	20	80
8M	10	75
	12	120
P8M	15	100
	18	85
S8M	20	75

Multi-wedge belt sectoin diagram



Representation method



1. It is of large transmission power. Under the conditions of same space, its transmission power is 30% higher than that of ordinary V-belt.

2. The thin belt has fine flexibility. It suits driving small diameter pulley and high speed transmission. Belt speed reaches as high as 40m/s.

3. With short fiber reinforcement, it can bear high horizontal pressure, increase wedge pressure of the belt and reduce deformation after it encounters the force. It also features as compact structure, little vibration and the more smooth operation.

4. It resists cold, heat, oil, corrosion, flex, wear and ageing with long service life and little elongation in use etc.

Multi-wedge sectional size

	PH	PJ	PK	PL	PM
Wedge distance	1.60	2.34	3.56	4.70	9.4
Wedge top arc radius, rb, min,	0.30	0.40	0.50	0.40	0.75
Wedge base arc radius, rt, max value	0.15	0.20	0.25	0.40	0.75
Belt heiht,h,approximate value	3	4	6	10	17

PH type

Type	Effective length
PH509	509.00
PH561	561.00
PH621	621.00
PH701	701.00
PH725	725.00
PH770	770.00
PH848	848.00
PH962	962.00
PH977	977.00
PH1044	1044.00
PH1131	1131.00
PH1169	1169.00
PH1217	1217.00
PH1278	1278.00
PH1382	1382.00
PH1476	1476.00
PH1517	1517.00
PH1646	1646.00
PH1725	1725.00
PH1832	1832.00
PH1942	1942.00
PH2196	2196.00
PH2666	2666.00

PJ type

Type	Effective length
PJ508	508.00
PJ560	560.00
PJ620	620.00
PJ700	700.00
PJ724	724.00
PJ769	769.00
PJ847	847.00
PJ961	961.00
PJ976	976.00
PJ1043	1043.00
PJ1130	1130.00
PJ1168	1168.00
PJ1216	1216.00
PJ1277	1277.00
PJ1381	1381.00
PJ1475	1475.00
PJ1516	1516.00
PJ1645	1645.00
PJ1724	1724.00
PJ1831	1831.00
PJ1941	1941.00
PJ2195	2195.00
PJ2665	2665.00

PK type

Type	Effective length
PK503	503.00
PK555	555.00
PK615	615.00
PK695	695.00
PK719	719.00
PK764	764.00
PK842	842.00
PK956	956.00
PK971	971.00
PK1038	1038.00
PK1125	1125.00
PK1163	1163.00
PK1211	1211.00
PK1272	1272.00
PK1376	1376.00
PK1470	1470.00
PK1511	1511.00
PK1640	1640.00
PK1719	1719.00
PK1826	1826.00
PK1936	1936.00
PK2190	2190.00
PK2660	2660.00

PL type

Type	Effective length
PL683	683.00
PL707	707.00
PL752	752.00
PL830	830.00
PL944	944.00
PL959	959.00
PL1026	1026.00
PL1113	1113.00
PL1151	1151.00
PL1199	1199.00
PL1260	1260.00
PL1364	1364.00
PL1458	1458.00
PL1499	1499.00
PL1628	1628.00
PL1707	1707.00
PL1814	1814.00
PL1924	1924.00
PL2178	2178.00
PL2250	2250.00
PL2362	2362.00
PL2482	2482.00
PL2751	2751.00

PM type

Type	Effective length
PM1322	1322
PM1335	1335
PM1364	1364
PM1375	1375
PM1445	1445
PM1470	1470
PM1492	1492
PM1524	1524
PM1550	1550
PM1615	1615
PM1642	1642
PM1678	1678
PM1766	1766
PM1810	1810
PM2015	2015
PM2155	2155
PM2220	2220
PM2295	2295
PM2330	2330
PM2453	2453
PM2772	2772
PM2900	2900
PM3100	3100

Representation method

92 - ZA - 25

- 25 — Belt width code 25 mm
- ZA — Type, Pitch 9.525 mm
- 92 — Belt teeth number

Introduction of car synchronous belt

The company applies the superior imported polymerized chloroprene rubber (or hydrogenated nitrile-butadiene rubber HNBR) from Japan as main raw materials. It matches with multiple auxiliary materials with different uses. Framework materials are the superior imported glass fiber cord from Japan.
Belt tooth surface applies nylon 66 Lycra as protection. It has been manufactured in strict accordance with the technical standards. It features as the tidy outline, full tooth profile, long service life, low noise etc.

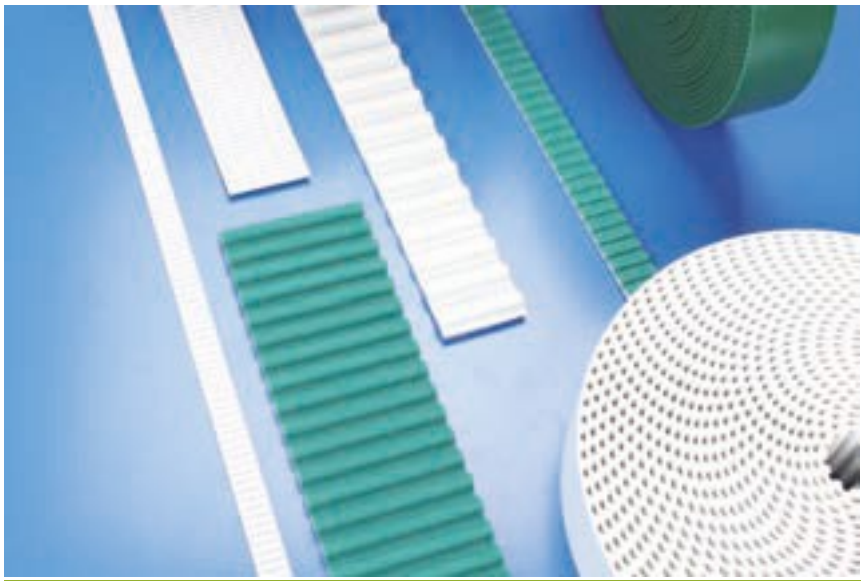
Type	Teeth No.
R(MR)	58 70 78 89 92 94 96 97 98 101 102 103 104 105 106 107 108 109 110 111 112 113 117 123 124 125 127 129 130 133 134 136 148 149 150 151 153 157 158 177
Y(MY)	99 100 101 103 106 107 111 112 117 113 121 123 124 127 128 129 131 137 142 143 144 145 146 159 169 177 178 191 211
ZBS	55 63 65 69 76 83 87 91 92 101 112 117 119 120 122 123 134 136 137 141 142 143 149 163
YU	61 65 76 80 83 99 100 101 103 104 106 107 109 110 111 112 113 117 121 123 125 130 131 132 133 135 140 142 145 146 147 153 154 156 159 164 165 168 173 177 179 187 191 193 195 197 201 207 210 211 219 226 228 251 257 259 265 281
RU	59 70 76 79 83 85 89 91 92 93 95 97 98 100 101 103 104 105 106 107 108 109 110 111 112 113 116 117 118 119 122 123 124 125 126 127 130 131 133 134 136 145 149 151 152 153 154 158 163 176 177
ZA	54 55 63 69 76 83 84 85 87 88 89 90 91 92 93 94 95 98 102 103 104 106 108 109 110 111 115 116 117 120 121 122 123 124 126 127 133 139 142
S8M	65 66 70 73 75 79 80 82 85 89 90 91 95 100 103 105 106 109 110 112 118 120 122 123 125 129 130 132 137 138 140 141 142 144 145 146 148 149 150 151 152 156 160 162 163 164 165 168 169 170 171 173 175 179 180 191 192 200 206 209 210 212 216 220 225 239 250

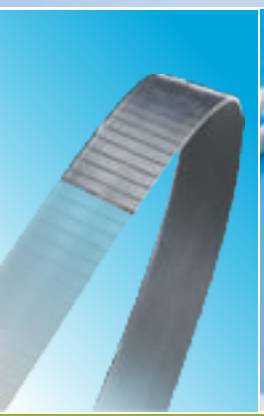
Type	Pitch	Tooth height	Belt thickness
R(MR)	9.525	3.54	5.69
Y(MY)	8	3.11	5.21
ZBS	9.525	2.80	5.10
YU	8	3.109	5.20
RU	9.525	3.56	5.70
ZA	9.525	1.91	4.10
FS8M	8	3.05	5.30
ZD	9.525	3.50	5.50
ZR	9.525	3.20	5.40
ZAS	9.525	2.32	4.62
ZB	9.525	2.29	4.50
RHD	9.525	3.50	5.70
RHX	9.525	2.617	4.80
RPP	9.525	2.25	4.50
ZH	9.525	3.40	5.50

R(MR) Y(MY) RU YU ZA ZB ZC ZD ZAS RHD SHX SRP.
The company also produces R(MR), Y(MY), RU, YU, ZA, ZB, ZC, ZD, ZAS, RHD, SHX, SRP synchronous belts etc.

Chemical properties

- It resists ageing,hydrolysis,ultraviolet ray UVA and ozone.
- Operating temperature:-30℃~80℃,it can bear max. +110℃ within a short period of time. Highly oil and grease resistant.
- It resists partial acid and alkali corrosion.





PU Synchronous Belt

PU synchronous belt is made of thermoplastic polyurethane material. Skeleton applies steel wire or aramid cord to ensure the sound drive properties, accurate and smooth drive. It functions as drive and transfer.

1. Fine size stability
2. Little pre-tension
3. Low noise
4. Highly anti-wear ability
5. Non-maintenance
6. Good elasticity
7. The max linear velocity can reaches 80m/second
8. High precision linear positioning

PU Synchronous belt can have the following special processing

1. Add fabric in tooth surface
2. Add fabric in belt back
3. Cover red glue in belt back
4. Add blick in belt back

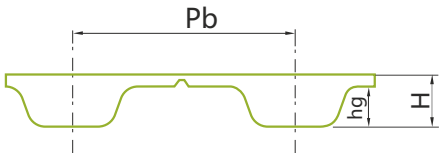
PU connection belt

PU connection belt is one of synchronous belt series which composes of open connection. Over 1m length can be connected / processed according to different teeth number requirements.

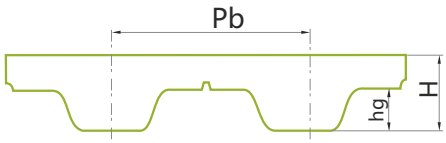
PU flat belt

Apart from the characteristics of PU belt, PU flat belt also has large surface friction. It can better transfer motive power and conveyance.

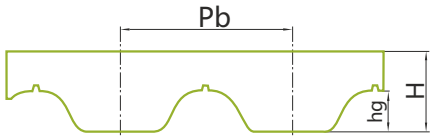
Type	Pitch Pb	Tooth height hg	Belt thickness H	STANDARD WIDTH (mm)
MXL	2.032	0.51	1.14	025 031 037 050 075 100
XL	5.08	1.27	2.30	025 031 037 050 075 100 150 200
L	9.525	1.91	3.60	050 075 100 150 200 300 400 600
H	12.7	2.29	4.30	050 075 100 150 200 300 400 600
XH	22.225	6.35	11.20	100 150 200 300 400 600



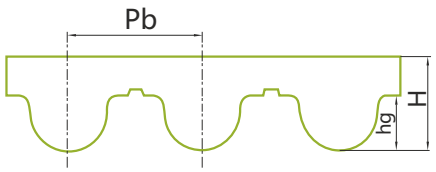
Type	Pitch Pb	Tooth height hg	Belt thickness H	STANDARD WIDTH (mm)
T2.5	2.5	0.70	1.30	6 10 16 25
T5	5	1.20	2.20	6 10 16 25 32 50
T10	10	2.50	4.50	12 16 25 32 50 75 100
T20	20	5.00	8.00	25 32 50 75 100 115



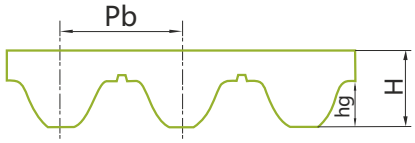
Type	Pitch Pb	Tooth height hg	Belt thickness H	STANDARD WIDTH (mm)
AT3	3	1.10	1.90	10 20 25 50
AT5	5	1.20	2.70	6 10 16 25 32 50
AT10	10	2.50	4.50	16 25 32 50 75 100
AT20	20	5.00	8.00	25 32 50 75 100 115



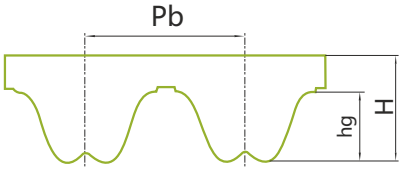
Type	Pitch Pb	Tooth height hg	Belt thickness H	STANDARD WIDTH (mm)
3M	3	1.17	2.40	6 9 12 15 25 30 50
5M	5	2.10	3.70	10 15 25 50 100 150
8M	8	3.38	5.60	10 15 20 30 50 85 100
14M	14	6.01	10.00	25 40 55 85 100 115



Type	Pitch Pb	Tooth height hg	Belt thickness H	STANDARD WIDTH (mm)
S3M	3	1.14	1.90	6 9 12 15 25 30 50
S5M	5	1.85	3.35	10 15 25 50 100 150
S8M	8	3.05	5.30	10 15 20 30 50 85 100
S14M	14	5.30	10.20	25 40 55 85 100 115



Type	Pitch Pb	Tooth height hg	Belt thickness H	STANDARD WIDTH (mm)
P5M	5	2.00	3.80	10 15 25 50 100 150
P8M	8	3.20	5.40	10 15 20 30 50 85 100
P14M	14	6.00	10.00	25 40 55 85 100 115



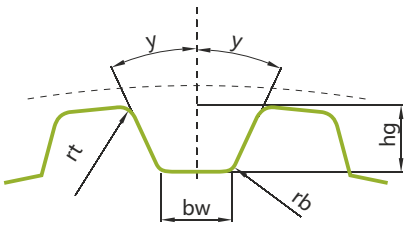
The product characteristics

Synchronous pulley matches with synchronous belt. It features as accurate and balanced drive, little noise, none slip differential, sound energy-saving. It has the advantages such as compact structure, multi-axial drive, oil and damping resistance, non-lubrication etc.

Product category(divided according to materials used):

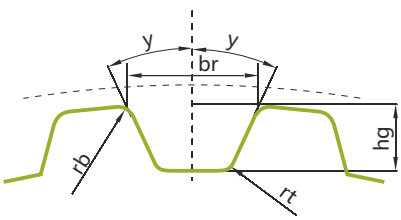
Carbon steel, castiron, aluminum alloy, engineering plastics, special materials

Trapezoidal toothed synchronous pulley tooth size (unit: mm)



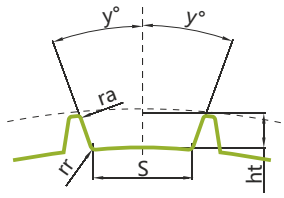
Type	Involute tooth profile	Tooth angle	Width of booth bottom	ht(tooth height)	Fillet	Tip
	Pb	2y°	bw	hg	rb	rt
MXL	2.032	(56)40	(0.61)0.67	0.64	0.30	0.23
XXL	3.175	50	0.96	0.84	0.30	0.28
XL	5.080		1.27	1.40	0.61	0.61
L	9.525	40	3.10	2.13	0.86	0.53
H	12.700		4.24	2.59	1.47	(1.04)1.42
XH	22.225		7.59	6.88	2.01	1.93
XXH	31.750		11.61	10.29	2.69	2.82

T-toothed synchronous pulley tooth size (unit: mm)



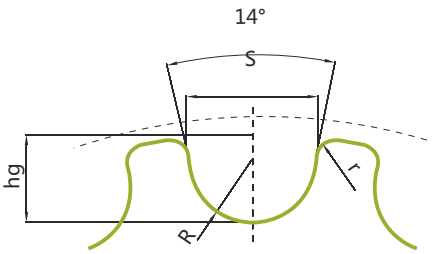
Type	Pitch	Tooth angle	Top tooth width	Tooth depth	Fillet	Tip
	Pb	2y°	br	hg	rt	rb
T2.5	2.50	50	1.83	1.00	0.20	0.30
T5	5.00		3.32	1.95	0.40	0.60
T10	10.00		6.57	3.40	0.60	0.80
T20	20.00		12.6	6.00	0.80	1.20

AT-toothed synchronous pulley tooth size (unit: mm)



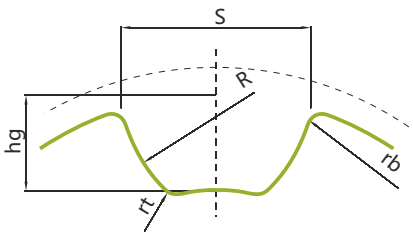
Type	Pitch	Tooth angle	Groove width	Tooth height	Fillet	Tip
	Pb	2y°	S	hg	r_r	r_a
AT3	3.00	50	1.50	1.00	0.20	0.30
AT5	5.00		2.70	1.10	0.40	0.70
AT10	10.00		5.40	2.35	0.50	1.20
AT20	20.00		10.00	5.00	1.75	2.50

Arc-toothed synchronous pulley tooth size (unit: mm)



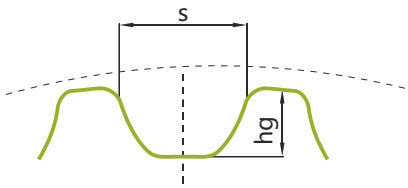
Type	Pitch	Groove width	Tooth height	Clearance circle	Tip
	Pb	S	hg	R	r
3M	3.00	1.90	1.28	0.91	0.26~0.35
5M	5.00	3.25	2.16	1.56	0.48~0.52
8M	8.00	5.35	3.54	2.57	0.78~0.84
14M	14.00	9.80	6.20	4.65	1.36~1.50
20M	20.00	14.80	8.60	6.84	1.95~2.25

S-toothed synchronous pulley tooth size (unit: mm)



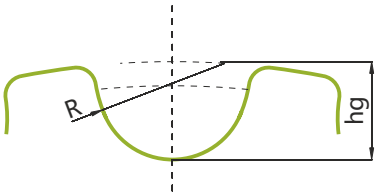
Type	Pitch	Groove width	Tooth height	Clearance circle	Fillet	Tip
	Pb	S	hg	R	rt	rb
S2M	2.00	1.30	0.76	1.325	0.10	0.19
S3M	3 .00	1.95	1.11	1.975	0.15	0.28
S4.5M	4.50	2.93	1.59	2.980	0.20	0.38
S5M	5.00	3.25	1.77	3.275	0.25	0.55
S8M	8.00	5.20	2.83	5.300	0.40	0.75
S14M	14.00	9.10	4.95	9.280	0.75	1.31

Parabolic-toothed synchronous pulley tooth size (unit: mm)



Type	Pitch	Groove width	Tooth height
	Pb	S	hg
P2M	2.00	1.33	0.73
P3M	3.00	2.00	1.09
P5M	5.00	3.32	1.81
P8M	8.00	5.35	2.90

G, Y-toothed synchronous pulley tooth size (unit: mm)

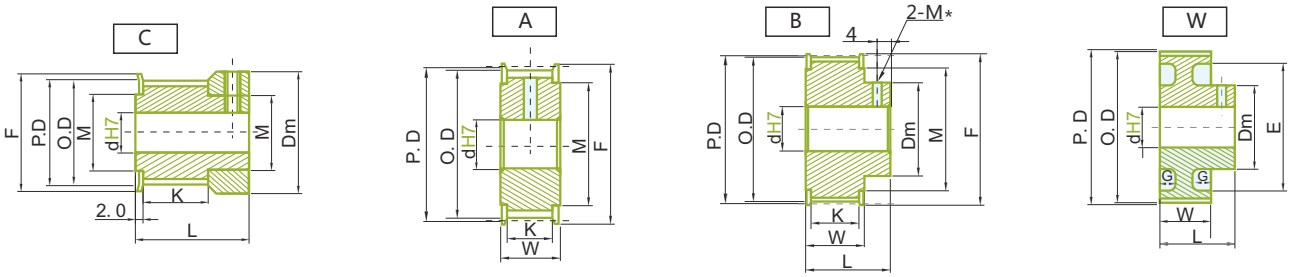


Type	Pitch	Tooth height	Fillet radius
	Pb	hg	R
G2M	2.00	0.75	1.00
G3M	3.00	1.14	1.52
G5M	5.00	1.93	2.54
Y8M	8.00	3.02	3.80

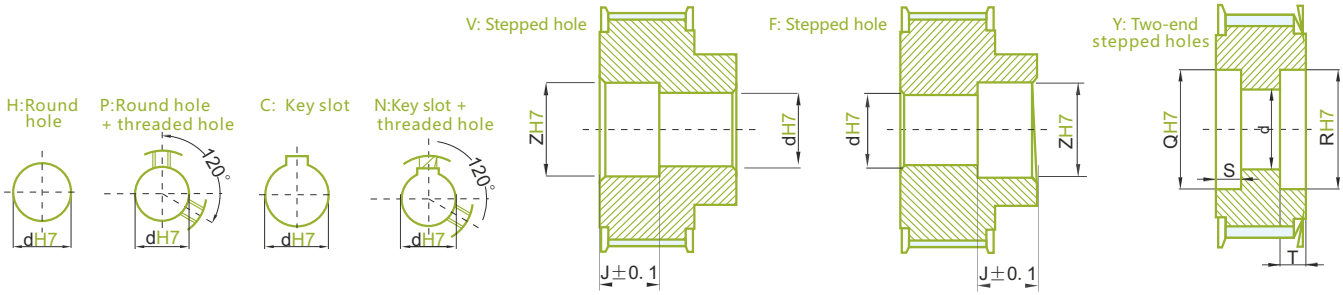
BLA 40- S 2M-06 B N8

- N8 — It indicates axle hole specification — bore diameter.
- B — It shows synchronous pulley shape.
- 06 — It shows width of conveying synchronous belt.
- 2M — It shows model and pitch of synchronous belt.
- 40 — It shows tooth number of synchronous pulley.
- BLA — It shows that synchronous pulley is made of aluminum alloy. Surface anodizing treatment

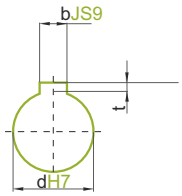
Assembly of synchronous pulley shapes



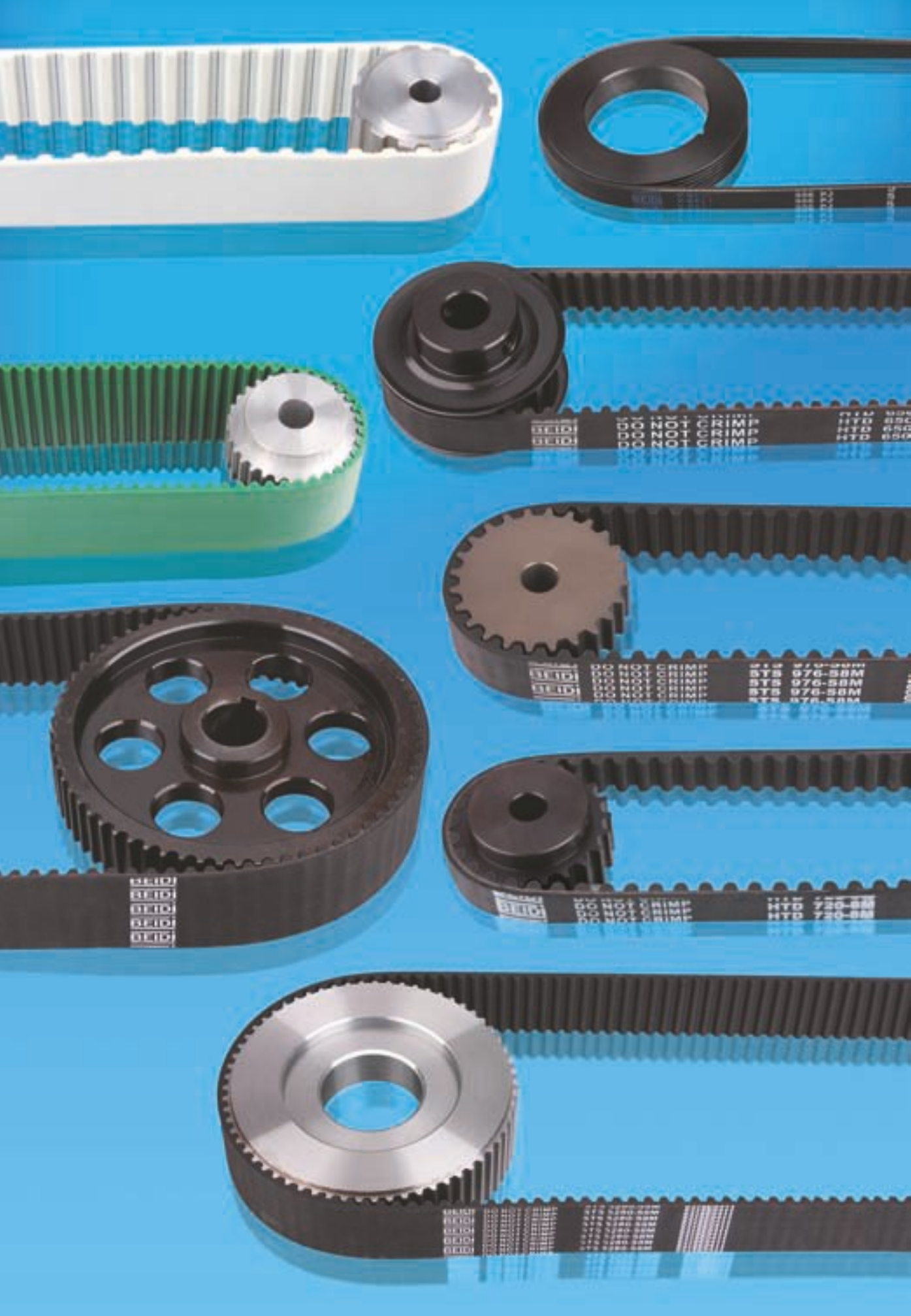
Axle hole specifications



Key slot size table: GB1096



Nominal model	dH7		bJS9		Tolerance		Nominal model	dH7		bJS9		Tolerance		Nominal model	dH7		bJS9		Tolerance	
N8	8	+0.015 0	3	±0.0125	1.4	+0.1 0	N23	23	+0.021 0	8	±0.018	3.3	+0.2 0	N37	37	+0.025 0	10	±0.018	3.3	+0.2 0
N10	10						N24	24						N38	38					
N11	11	+0.018 0	4	±0.015	1.8		N25	25						N39	39		12	±0.0215		
N12	12						N26	26						N40	40					
N13	13				2.3		N27	27						N41	41					
N14	14		5				N28	28						N42	42					
N15	15						N29	29						N43	43					
N16	16						N30	30						N44	44					
N17	17						N31	31		10				N45	45		14		3.8	
N18	18	+0.021 0	6		2.8		N32	32	+0.025 0					N46	46					
N19	19						N33	33						N47	47					
N20	20						N34	34						N48	48					
N21	21						N35	35						N49	49					
N22	22						N36	36						N50	50					

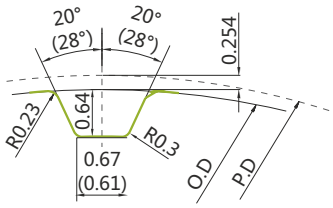

DO NOT CRIMP
STS 976-58M
HTD 730-8M

MXL Synchronous Pulley

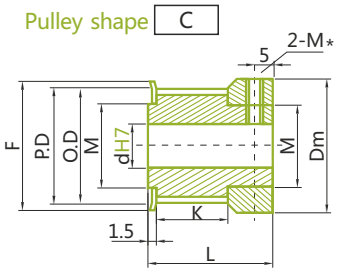
Please refer to P11 for MXL synchronous belt.

belt width	K	W	L
019=4.8mm	6	10	16.5
025=6.4mm	7.5	11.5	18
037=9.5mm	11	15	22
050=12.7mm	14	18	25

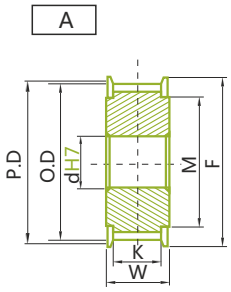
MXL Pulley tooth profile figure



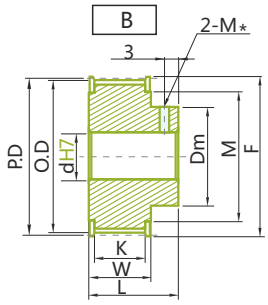
Pulley shape C



A



B



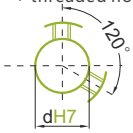
Tooth number: Below 19 teeth
Tooth space size slightly varies according to different teeth (pitch = 2.032mm)

Type	Shape	P.D	O.D	F	M	Dm	Inner hole dH7				
							A-shaped		B, C-shaped		
							H	C.N	H	P	C.N
14MXL		9.06	8.55	12	6	12	3、4	-	3、4	3、4	
15MXL		9.70	9.19	12	6	12	3、4	-	3、4	3、4	-
16MXL	C	10.35	9.84	14	8	14	3、4、5	-	3、4、5	3、4、5	-
17MXL		11.00	10.49	14	8	14	3、4、5	-	3、4、5	3、4、5	-
18MXL		11.64	11.14	14	8	14	3、4、5	-	3、4、5	3、4、5	-
19MXL		12.29	11.78	14	8	14	3、4、5	-	3、4、5	3、4、5	-
20MXL		12.94	12.43	18	11	9	3~6	-	4~6	4、5	-
21MXL		13.58	13.08	18	11	9	3~6	-	4~6	4、5	-
22MXL		14.23	13.72	18	11	9	3~6	-	4~6	4、5	-
23MXL		14.88	14.37	20	12	11	3~8	-	4~7	3~7	-
24MXL		15.52	15.02	20	12	11	3~8	-	4~7	3~7	-
25MXL	A	16.17	15.66	20	12	11	3~8	-	4~7	3~7	-
26MXL		16.82	16.31	23	13	12	3~9	-	4~8	3~8	-
27MXL		17.46	16.96	23	13	12	4~9	-	4~8	4~8	-
28MXL		18.11	17.60	23	13	12	4~9	-	4~8	4~8	-
30MXL		19.40	18.90	25	16	14	4~11	8	4~10	4~8	-
32MXL		20.70	20.19	25	16	14	4~11	8	4~10	4~8	-
34MXL		21.99	21.48	25	16	14	4~11	8	4~10	4~8	-
36MXL		23.29	22.78	28	18	16	5~13	8~11	5~12	5~10	8
38MXL	B	24.58	24.07	28	18	16	5~13	8~11	5~12	5~10	8
40MXL		25.87	25.36	31	20	18	5~15	8~13	5~14	5~10	8~10
42MXL		27.17	26.66	31	20	18	5~15	8~13	5~14	5~10	8~10
44MXL		28.46	27.95	33	22	20	5~18	8~16	5~16	5~12	8~12
46MXL		29.75	29.24	33	22	20	5~18	8~16	5~16	5~12	8~12
48MXL		31.05	30.54	35	24	22	5~20	8~18	5~18	5~13	8~13
50MXL		32.34	31.83	35	24	22	5~20	8~19	5~18	5~13	8~13
60MXL		38.81	38.30	44	32	28	5~27	8~25	5~24	5~20	8~16
72MXL		46.57	46.06	52	38	30	5~35	8~33	5~26	5~21	8~18

Axle hole specifications

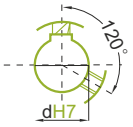
H:Round hole

P:Round hole + threaded hole



C:Key slot

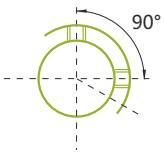
N:Key slot + threaded hole



M*Threaded hole size table: (Axle hole specifications P, N)

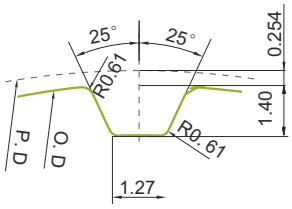
Inner diameter of dH7 axle hole	3~5	6~18	19~21
M coarse thread	M3	M4	M5

Kc90 shows alteration of stop screw angle.

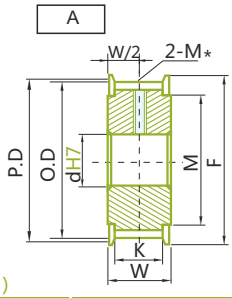


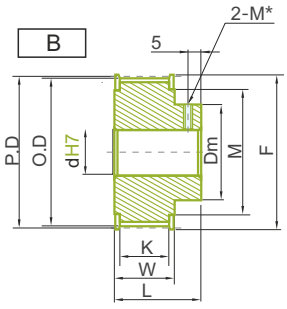
belt width	K	W	L
025=6.4mm	7.5	12.5	21
031=7.9mm	9	14	23
037=9.5mm	11	16	25
050=12.7mm	14	19	28

XL Pulley tooth profile figure



Pulley shape

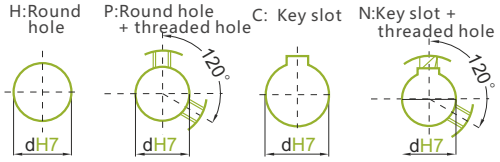




Tooth space size slightly varies according to different teeth (pitch = 5.08mm)

Type	Shape	P.D	O.D	F	M	Dm	Inner hole dH7					
							A-shaped			B-shaped		
							H	P	C.N	H	P	C.N
10XL		16.17	15.66	23	13	10	4~7	-	-	5、6	5、6	-
11XL		17.79	17.28	23	13	10	4~7	-	-	5、6	5、6	-
12XL		19.40	18.89	25	14	12	4~10	4~6	-	6~8	5、6	-
14XL		22.64	22.13	28	18	15	5~13	5~9	8	6~11	6~8	8
15XL	A	24.26	23.75	32	20	17	5~13	5~11	8~10	6~13	6~10	8、10
16XL		25.87	25.36	32	20	17	6~13	6~13	8~13	6~13	6~10	8、10
18XL		29.11	28.60	35	24	21	6~16	6~15	8~15	6~16	6~13	8~13
19XL		30.72	30.21	35	24	21	6~16	6~15	8~15	6~16	6~15	8~13
20XL		32.34	31.83	38	26	24	8~19	8~16	8~16	8~19	8~15	8~15
21XL		33.96	33.45	38	26	24	8~19	8~18	8~18	8~19	8~16	8~16
22XL		35.57	35.06	44	32	26	8~22	8~20	8~20	8~22	8~18	8~18
24XL		38.81	38.30	44	32	26	8~22	8~22	8~22	8~22	8~18	8~18
25XL	B	40.43	39.92	48	36	30	8~27	8~22	8~22	8~26	8~19	8~19
26XL		42.04	41.53	48	36	30	8~27	8~23	8~23	8~26	8~20	8~20
28XL		45.28	44.77	55	39	35	8~32	8~25	8~25	8~31	8~25	8~20
30XL		48.51	48.00	55	39	35	10~32	10~30	10~30	10~31	10~25	10~20
32XL		51.74	51.23	60	46	40	10~37	10~30	10~30	10~36	10~30	10~25
34XL		54.98	54.47	60	46	40	10~38	10~30	10~30	10~36	10~30	10~25
36XL		58.21	57.70	67	50	40	10~42	10~30	10~30	10~36	10~30	10~25
38XL		61.45	60.94	67	50	40	10~43	10~30	10~30	10~36	10~30	10~25
40XL		64.68	64.17	74	53	40	10~50	10~30	10~30	10~36	10~30	10~25
42XL		67.91	67.40	74	53	40	10~50	10~30	10~30	10~36	10~30	10~25
44XL		71.15	70.64	78	58	40	10~52	10~30	10~30	10~36	10~30	10~25
46XL		74.38	73.87	78	58	40	10~55	10~30	10~30	10~36	10~30	10~25
48XL		77.62	77.11	87	68	40	10~59	10~30	10~30	10~36	10~30	10~25
50XL		80.85	80.34	87	68	40	10~59	10~30	10~30	10~36	10~30	10~25
60XL		97.02	96.51	105	84	40	10~76	10~30	10~30	10~36	10~30	10~25
72XL		116.43	115.92	123	101	40	10~80	10~30	10~30	10~36	10~30	10~25

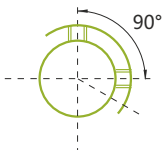
Axle hole specifications



M*Threaded hole size table: (Axle hole specifications P, N)

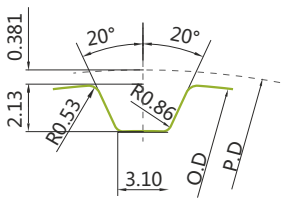
Inner diameter of dH7 axle hole	4	5~12	13~17	18~30
M coarse thread	M3	M4	M5	M6

Kc90 shows alteration of stop screw angle.

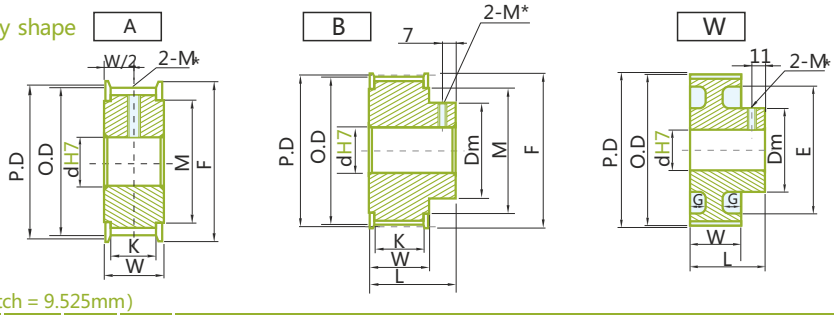


belt width	K	W	G	L60	L60
050=12.7mm	14	19	5	31	39
075=19.1mm	21	26	8	38	46
100=25.4mm	27	32	11	44	53
150=38.1mm	40	45	14	57	—

L Pulley tooth profile figure



Pulley shape



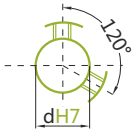
Tooth space size slightly varies according to different teeth (pitch = 9.525mm)

Type	Shape	P.D	O.D	F	M	E	Dm	Inner hole dH7					
								A-shaped			B、Wshaped		
								H	P	C.N	H	P	C.N
12L		36.38	35.62	44	32	-	27	8~22	8~18	8~18	8~22	8~18	8~18
14L		42.45	41.69	48	36	-	30	8~27	8~21	8~21	8~26	8~20	8~20
15L		45.48	44.72	48	36	-	30	8~27	8~23	8~23	8~26	8~20	8~20
16L		48.51	47.75	55	39	-	32	10~32	10~26	10~23	10~28	10~22	10~22
17L		51.54	50.78	55	39	-	34	10~32	10~26	10~26	10~30	10~24	10~23
18L		54.57	53.81	60	46	-	36	10~37	10~29	10~29	10~32	10~26	10~23
19L	A	57.61	56.85	67	50	-	38	12~42	12~34	12~30	12~34	12~28	12~25
20L		60.64	59.88	67	50	-	40	12~42	12~34	12~30	12~36	12~30	12~26
21L		63.67	62.91	70	55	-	42	12~48	12~40	12~32	12~38	12~30	12~26
22L		66.70	65.94	78	58	-	45	12~52	12~42	12~34	12~41	12~33	12~30
24L	B	72.77	72.01	87	68	-	50	12~59	12~49	12~41	12~46	12~38	12~30
25L		75.80	75.04	87	68	-	50	12~59	12~49	12~41	12~46	12~38	12~30
26L		78.83	78.07	87	68	-	50	12~59	12~49	12~41	12~46	12~38	12~30
28L		84.89	84.13	94	74	-	50	12~67	12~57	12~49	12~46	12~38	12~30
30L		90.96	90.20	99	78	-	56	12~72	12~62	12~50	12~52	12~42	12~34
32L		97.02	96.26	105	84	-	56	14~76	14~65	14~50	14~52	14~42	14~34
34L		103.08	102.32	112	90	-	63	14~80	14~65	14~50	14~59	14~49	14~41
36L		109.15	108.39	123	101	-	63	14~80	14~65	14~50	14~59	14~49	14~41
38L		115.22	114.46	126	100	-	63	16~80	16~65	16~50	16~59	16~49	16~50
40L		121.28	120.52	131	111	-	63	16~80	16~65	16~50	16~67	16~49	16~41
42L		127.34	126.58	135	115	-	71	16~80	16~65	16~50	16~67	16~57	16~41
44L		133.40	132.64	136	118	-	71	16~80	16~65	16~50	16~67	16~57	16~49
46L		139.47	137.71	144	111	-	71	16~80	16~65	16~50	16~67	16~57	16~49
48L		145.53	144.77	152	134	-	71	16~80	16~65	16~50	16~67	16~57	16~49
50L		151.60	150.84	160	140	-	71	16~80	16~65	16~50	16~67	16~57	16~49
60L	W	181.91	181.15	-	-	160	71	16~100	16~65	16~50	16~67	16~57	16~49
72L		218.30	217.54	-	-	197	71	16~100	16~65	16~50	16~67	16~57	16~49

Axle hole specifications

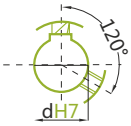
H:Round hole

P:Round hole + threaded hole



C: Key slot

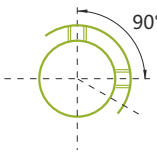
N:Key slot + threaded hole



M*Threaded hole size table: (Axle hole specifications P, N)

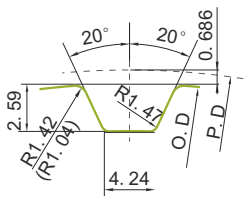
Inner diameter of dH7 axle hole	6~12	13~17	18~30	31~45	46~65
M coarse thread	M4	M5	M6	M8	M10

Kc90 shows alteration of stop screw angle.



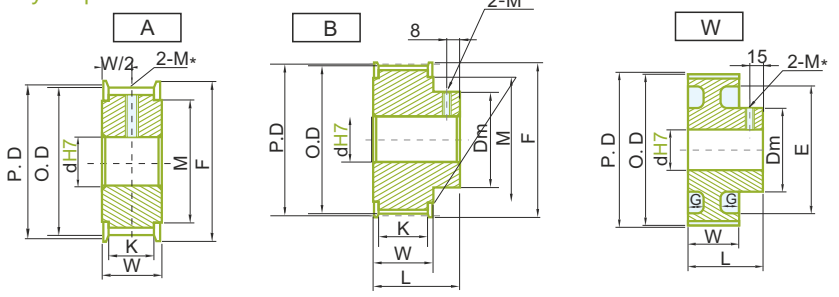
belt width	K	W	G	L	L38~70	L72
075=19.1mm	21	26	7	41	-	-
100=25.4mm	27	32	11	47	53	58
150=38.1mm	40	45	14	60	65	70
200=50.8mm	54	59	18	74	-	-

H Pulley tooth profile figure



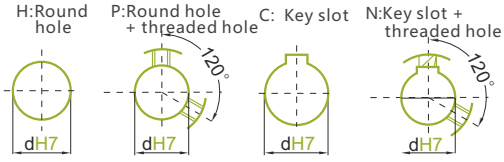
Tooth number: Below 19 teeth
Tooth space size slightly varies according to different teeth (pitch = 12.7mm)

Pulley shape



Type	Shape	P.D	O.D	F	M	E	Dm	Axle aperture dH7					
								A-shaped			B-shaped		
								H	P	C.N	H	P	C.N
14H		56.60	55.22	60	46	-	39	12~37	12~30	12~29	12~35	12~29	12~25
15H		60.64	59.27	67	50	-	45	12~42	12~34	12~30	12~41	12~33	12~29
16H		64.68	63.31	70	55	-	48	12~48	12~40	12~35	12~44	12~36	12~30
17H		68.72	67.35	80	60		48	12~52	12~44	12~40	12~44	12~36	12~30
18H		72.77	71.39	80	60		50	12~52	12~44	12~43	12~46	12~38	12~35
19H	A	76.81	75.44	87	68	-	50	14~59	14~49	14~47	14~46	14~38	14~35
20H		80.85	79.48	87	68	-	58	14~59	14~50	14~50	14~54	14~46	14~38
21H		84.89	83.52	94	74	-	58	14~67	14~57	14~50	14~54	14~46	14~38
22H		88.94	87.56	94	74	-	58	14~67	14~57	14~50	16~54	14~46	14~38
24H		97.02	95.65	105	84	-	58	16~76	16~65	16~50	16~59	16~46	16~38
25H	B	101.06	99.69	112	90	-	63	16~80	16~65	16~50	20~59	16~49	16~41
26H		105.11	103.73	112	90	-	63	20~80	20~65	20~50	20~59	20~49	20~41
28H		113.19	111.82	123	101	-	63	20~80	20~65	20~50	20~59	20~49	20~41
30H		121.28	119.90	126	100	-	63	20~80	20~65	20~50	20~59	20~49	20~41
32H		129.36	127.99	135	115	-	63	20~80	20~65	20~50	20~67	20~49	20~43
34H		137.45	136.07	144	111	-	71	20~80	20~65	20~50	20~67	20~57	20~49
36H		145.53	144.16	152	134	-	71	20~80	20~65	20~50	20~67	20~57	20~49
38H		153.62	152.24	165	136	126	88	20~80	20~65	20~50	20~67	20~57	20~49
40H		161.70	160.33	170	150	135	88	20~80	20~65	20~50	20~67	20~57	20~49
42H	A	169.79	168.41	180	155	143	88	20~80	20~65	20~50	20~67	20~57	20~49
44H		177.87	176.50	190	161	152	88	20~80	20~65	20~50	20~67	20~57	20~49
48H		194.04	192.67	205	180	168	88	20~80	20~65	20~50	20~67	20~57	20~49
50H	W	202.13	200.76	210	185	175	88	20~100	20~65	20~50	20~67	20~57	25~49
60H		242.55	241.18	-	-	216	88	-	-	-	25~67	20~57	25~49
72H		291.06	289.69	-	-	265	88	-	-	-	25~67	20~57	25~49

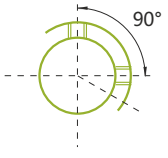
Axle hole specifications



M*Threaded hole size table: (Axle hole specifications P, N)

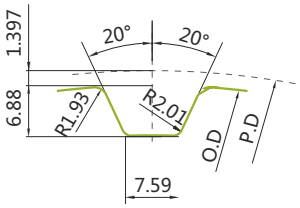
Inner diameter of dH7 axle hole	12	13~17	18~30	31~45	46~65
M coarse thread	M4	M5	M6	M8	M10

Kc90 shows alteration of stop screw angle.

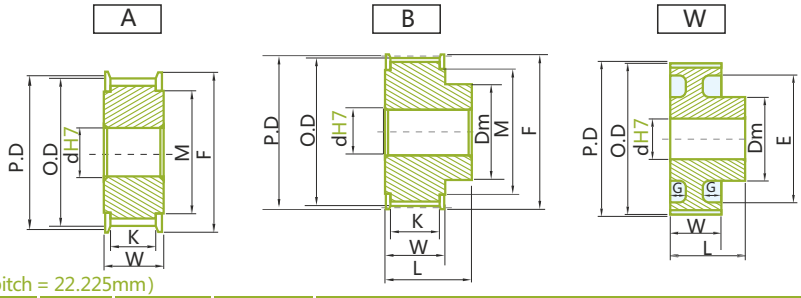


belt width	K	W	G	L34	L35
200=50.8mm	57	65	18	80	100
300=76.2mm	84	92	25	110	120
400=101.6mm	111	119	30	132	148

XH Pulley tooth profile figure



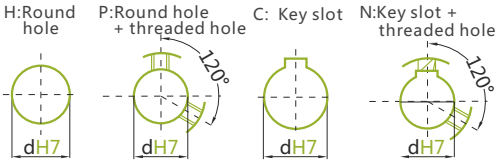
Pulley shape



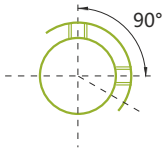
Tooth space size slightly varies according to different teeth (pitch = 22.225mm)

Type	Shape	P.D	O.D	F	M	E	Dm	Axle aperture dH7			
								A-shaped		B、Wshaped	
								H	C.N	H	C.N
18XH		127.34	124.55	141	84	-	80	24~60	24~55	24~52	24~45
19XH		134.41	131.62	144	111	-	90	24~60	24~60	24~55	24~45
20XH	A	141.49	138.69	155	94	-	90	24~60	24~45	24~55	24~45
21XH		148.56	145.77	161	131	-	110	24~110	24~85	24~95	24~80
22XH		155.64	152.84	170	135	-	110	25~110	25~85	25~95	25~80
24XH		169.79	166.99	183	122	-	118	25~100	25~84	25~95	25~80
25XH	B	176.86	174.07	188	130	-	120	28~110	28~100	28~90	28~85
26XH		183.93	181.14	197	136	-	120	28~110	28~100	28~90	28~85
27XH		191.01	188.22	208	173	-	120	28~120	28~110	28~100	28~90
28XH		198.09	195.30	211	150	-	120	28~120	28~110	28~100	28~90
30XH		212.23	209.44	224	190	-	120	32~142	32~100	32~102	32~90
32XH		226.38	223.59	240	198	173	120	32~142	32~100	32~102	32~90
34XH		240.53	237.74	260	224	190	120	35~142	35~100	35~102	35~100
38XH	W	268.83	266.03	-	-	216	150	35~120	35~100	35~120	35~100
40XH		282.98	280.18	-	-	230	150	35~120	35~100	35~120	35~100
48XH		339.57	336.78	-	-	286	150	40~120	40~110	40~120	40~110
60XH		424.47	421.67	-	-	370	150	40~120	41~110	40~120	41~110

Axle hole specifications

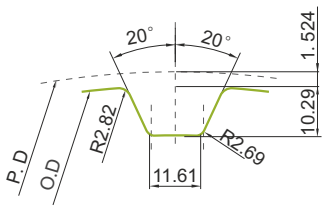


Kc90 shows alteration of stop screw angle.

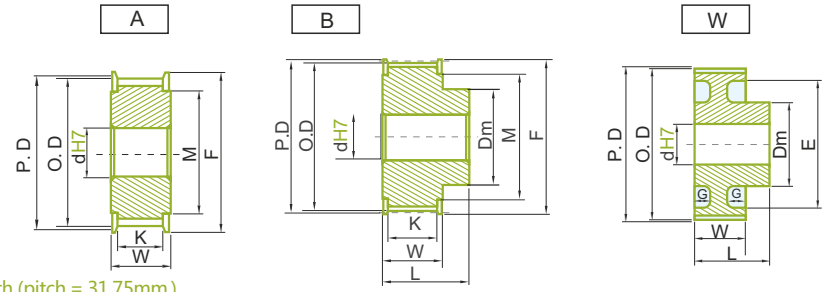


belt width	K	W	G	L22	L22
200=50.8mm	57	65	18	80	100
300=76.2mm	84	92	25	110	120
400=101.6mm	111	119	30	132	148

XXH Pulley tooth profile figure



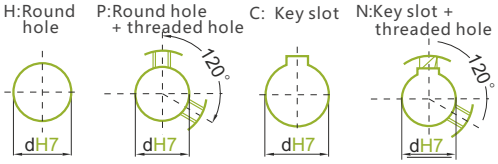
Pulley shape



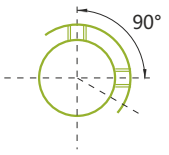
Tooth space size slightly varies according to different teeth (pitch = 31.75mm)

Type	Shape	P.D	O.D	F	M	E	Dm	Axle aperture dH7			
								A-shaped		B、W-shaped	
								H	C.N	H	C.N
18XXH		181.91	178.87	198	140	-	140	25~100	25~90	25~100	25~90
19XXH	A	192.02	188.97	208	140	-	140	25~100	25~90	25~100	25~90
20XXH		202.13	199.08	208	150	-	150	28~110	28~100	28~110	28~100
21XXH	B	212.23	209.19	229	160	-	150	28~110	28~100	28~110	28~100
22XXH		222.34	219.29	239	170	-	150	28~120	28~110	28~120	28~110
24XXH		242.55	239.50	-	-	190	150	32~120	32~110	32~120	32~110
25XXH		252.66	249.61	-	-	199	150	32~120	32~110	32~120	32~110
26XXH		262.76	259.71	-	-	209	150	35~120	35~110	35~120	35~110
27XXH	W	272.87	269.82	-	-	219	150	35~125	35~120	35~125	35~120
30XXH		303.19	300.14	-	-	250	150	38~125	38~120	38~125	38~120
40XXH		404.25	401.21	-	-	352	150	45~130	45~120	45~130	45~120
48XXH		485.10	482.06	-	-	432	175	45~150	45~140	45~150	45~140
60XXH		606.38	603.33	-	-	554	175	55~150	55~145	55~150	55~145
72XXH		727.66	724.61	-	-	675	175	55~150	55~145	55~150	55~145

Axle hole specifications

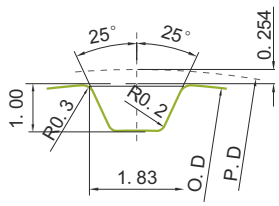


Kc90 shows alteration of stop screw angle.

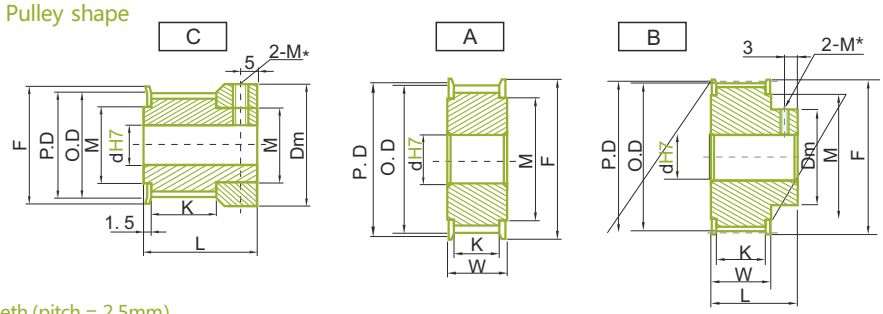


belt width	K	W	L
06=6mm	7	11	18
10=10mm	11	15	22
15=15mm	16	20	27

T2.5 Pulley tooth profile figure



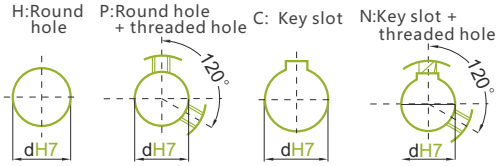
Pulley shape



Tooth space size slightly varies according to different teeth (pitch = 2.5mm)

Type	Shape	P.D	O.D	F	M	Dm	Axle aperture dH7				
							A-shaped		B-shaped		
							H	C.N	H	P	C.N
T2.5x16		12.73	12.22	16	9.5	16	3、4、5	-	3、4、5	3、4、5	-
T2.5x18		14.32	13.81	18	11	18	3~6	-	4~6	4、5	-
T2.5x20		15.92	15.41	20	12	20	3~6	-	4~6	4、5	-
T2.5x21	C	16.71	16.20	21	13	21	3~6	-	4~6	4、5	-
T2.5x22		17.51	17.00	23	13	23	3~6	-	4~6	4、5	-
T2.5x23		18.30	17.79	25	14	25	3~8	-	4~7	3~7	-
T2.5x24		19.10	18.59	25	14	25	3~8	-	4~7	3~7	-
T2.5x25	A	19.89	19.38	25	16	13	3~8	-	4~7	3~7	-
T2.5x26		20.69	20.18	25	16	13	3~9	-	4~8	3~8	-
T2.5x27		21.49	20.98	25	16	14	4~9	-	4~8	4~8	-
T2.5x28		22.28	21.77	25	16	13	4~9	-	4~8	4~8	-
T2.5x30		23.87	23.36	28	18	16	4~11	8	4~10	4~8	-
T2.5x32		25.47	24.96	32	20	16	4~11	8	4~10	4~8	-
T2.5x34		27.06	26.55	35	24	18	4~11	8	4~10	4~8	-
T2.5x36		28.65	28.14	35	24	20	5~13	8~11	5~12	5~10	8
T2.5x38	B	30.24	29.73	38	26	22	5~13	8~11	5~12	5~10	8
T2.5x40		31.83	31.32	38	26	22	5~15	8~13	5~14	5~10	8、10
T2.5x42		33.42	32.91	42	28	24	5~15	8~13	5~14	5~10	8、10
T2.5x44		35.01	34.50	42	28	24	5~18	8~16	5~16	5~12	8~12
T2.5x45		35.81	35.30	-	-	26	5~18	8~16	5~16	5~12	8~12
T2.5x48		38.20	37.69	-	-	26	5~20	8~18	5~18	5~13	8~13
T2.5x54		42.97	42.46	-	-	30	5~20	8~18	5~18	5~13	8~13
T2.5x57		45.36	44.85	-	-	32	5~27	8~25	5~24	5~20	8~16
T2.5x60		47.75	47.24	-	-	34	5~35	8~33	5~26	5~21	8~18

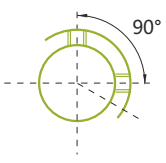
Axle hole specifications



M*Threaded hole size table: (Axle hole specifications P, N)

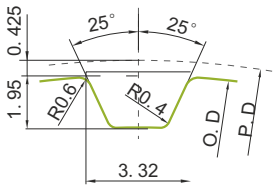
Inner diameter of dH7 axle hole	3~5	6~18	19~21
M coarse thread	M3	M4	M5

Kc90 shows alteration of stop screw angle.

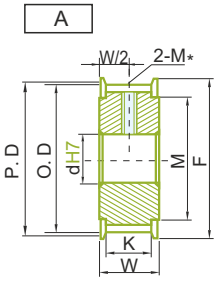


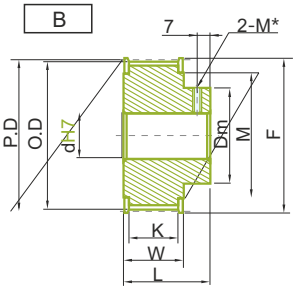
belt width	K	W	L
10=10mm	11	16	28
15=15mm	17	22	34
20=20mm	22	27	39
25=25mm	27	32	44

T5 Pulley tooth profile figure



Pulley shape

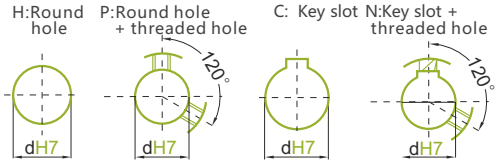




Tooth space size slightly varies according to different teeth (pitch = 5.0mm)

Type	Shape	P.D	O.D	F	M	Dm	Inner hole dH7					
							A-shaped			B-shaped		
							H	P	C.N	H	P	C.N
T5x12		19.10	18.25	23	13	-	6~8	6~8	8	-	-	-
T5x14		22.28	21.43	25	16	14	6~10	6~10	8、10	6~10	6~8	-
T5x15		23.88	23.03	28	18	15	6~10	6~10	8、10	6~10	6~8	-
T5x16		25.46	24.61	32	20	17	7~12	7~12	8~12	7~12	7~10	8
T5x18		28.65	27.80	33	22	19	7~14	7~12	8~12	7~14	7~11	8 10
T5x20		31.83	30.98	35	24	19	7~16	7~16	8~16	7~15	7~12	8 10
T5x22	A	35.01	34.16	40	27	24	7~19	7~18	8~18	7~19	7~15	8~12
T5x24		38.20	37.35	44	32	27	7~22	7~20	8~20	7~22	7~17	8~13
T5x25		39.79	38.94	44	32	27	7~22	7~20	8~20	7~22	7~18	8~15
T5x26	B	41.38	40.53	47	34	31	8~27	8~22	8~22	8~27	8~21	8~17
T5x28		44.56	43.71	47	34	32	8~27	8~24	8~24	8~27	8~22	8~18
T5x30		47.75	46.90	51	36	33	10~28	10~26	10~26	10~28	10~23	10~18
T5x32		50.93	50.08	55	39	37	10~32	10~28	10~28	10~32	10~27	10~22
T5x34		54.11	53.26	60	46	40	10~37	10~30	10~30	10~36	10~30	10~25
T5x36		57.30	56.45	60	46	40	10~37	10~30	10~30	10~36	10~30	10`25
T5x40		63.66	62.81	67	50	47	10~42	10~38	10~38	10~42	10~37	10~29
T5x44		70.03	69.18	74	53	50	12~50	12~42	12~40	12~46	12~40	12~32
T5x48		76.39	75.54	83	63	60	12~55	12~45	12~40	12~55	12~45	12~40
T5x50		79.58	78.73	87	68	63	12~59	12~45	12~43	12~59	12~45	12~43
T5x60		95.49	94.64	99	78	75	12~72	12~45	12~45	12~71	12~45	12~45

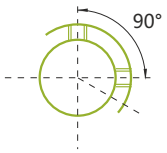
Axle hole specifications



M*Threaded hole size table: (Axle hole specifications P, N)

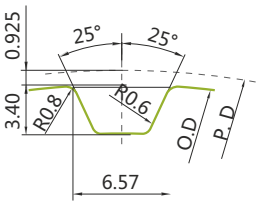
Inner diameter of dH7 axle hole	5	6~12	13~17	18~30	31~45
M coarse thread	M3	M4	M5	M6	M8

Kc90 shows alteration of stop screw angle.

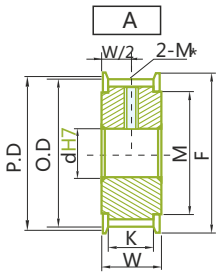


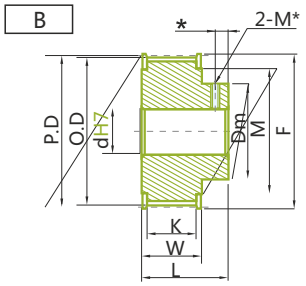
belt width	K	W	L44	L44
15=15mm	17	22	37	-
20=20mm	22	27	42	-
25=25mm	27	32	47	52
30=30mm	32	37	52	57
40=40mm	43	48	61	63
50=50mm	53	58	70	-

T10 Pulley tooth profile figure



Pulley shape

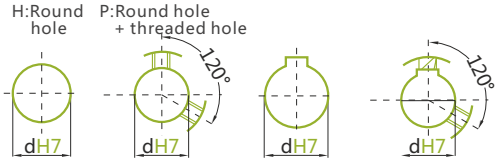




Tooth space size slightly varies according to different teeth (pitch = 10.0mm)

Type	Shape	P.D	O.D	F	M	Dm	Inner hole dH7					
							A-shaped			B-shaped		
							H	P	C.N	H	P	C.N
T10x12	A	38.20	36.35	40	27	-	12~19	12~18	12~18	-	-	-
T10x14		44.56	42.71	48	36	32	12~27	12~26	12~26	12~27	12~22	12~20
T10x15		47.75	45.90	51	36	33	12~28	12~26	12~26	12~28	12~23	12~20
T10x16		50.93	49.08	57	41	37	12~32	12~30	12~30	12~32	12~27	12~22
T10x18		57.28	55.43	61	48	40	12~37	12~30	12~30	12~36	12~30	12~25
T10x20	A	63.66	61.81	67	50	47	12~42	12~40	12~40	12~42	12~35	12~29
T10x22		70.03	68.18	80	60	50	14~52	14~48	14~48	14~46	14~38	14~32
T10x24	B	76.39	74.54	87	68	60	14~59	14~50	14~50	14~56	14~46	14~40
T10x25		79.58	77.73	87	68	63	14~59	14~50	14~50	14~59	14~49	14~43
T10x26		82.76	80.91	87	68	63	14~59	14~50	14~50	14~59	14~49	14~43
T10x28		89.13	87.28	94	74	70	16~67	16~57	16~50	16~66	16~56	16~48
T10x30		95.49	93.64	105	84	75	16~76	16~65	16~50	16~71	16~61	16~50
T10x32		101.86	100.01	112	90	85	20~80	20~65	20~50	20~80	20~65	20~50
T10x34		108.23	106.38	119	100	90	20~80	20~65	20~50	20~80	20~65	20~50
T10x36		114.59	112.74	123	101	95	20~80	20~65	20~50	20~80	20~65	20~50
T10x40		127.32	125.47	135	115	100	20~80	20~65	20~50	20~80	20~65	20~50
T10x44		140.06	138.21	152	121	100	20~80	20~65	20~50	20~80	20~65	20~50
T10x48		152.78	150.93	160	140	100	20~80	20~65	20~50	20~80	20~65	20~50
T10x50		159.15	157.30	170	150	100	20~80	20~65	20~50	20~80	20~65	20~50
T10x60		190.99	189.14	201	171	100	20~80	20~65	20~50	20~80	20~65	20~50

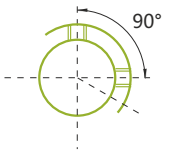
Axle hole specifications



M*Threaded hole size table: (Axle hole specifications P, N)

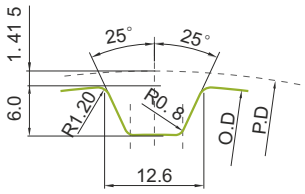
Inner diameter of dH7 axle hole	8~12	13~17	18~30	31~45	46~65
M coarse thread	M4	M5	M6	M8	M10

Kc90 shows alteration of stop screw angle.

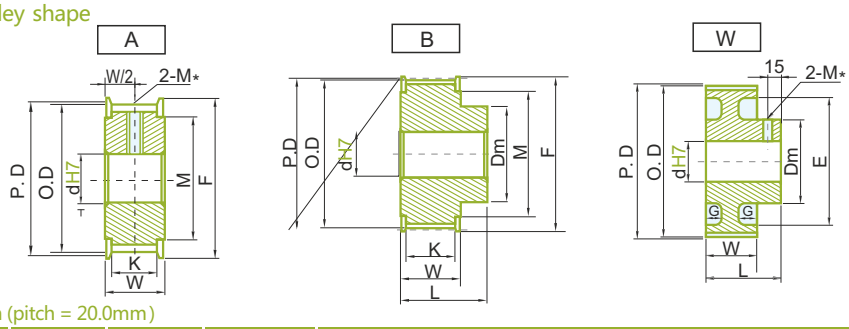


belt width	K	W	G	L
32=32mm	35	41	12	70
50=50mm	57	65	20	94
75=75mm	80	88	25	118
100=100mm	105	112	30	123
115=115mm	120	130	35	160

T20 Pulley tooth profile figure



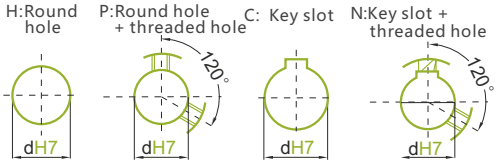
Pulley shape



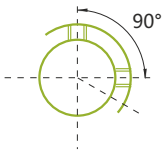
Tooth space size slightly varies according to different teeth (pitch = 20.0mm)

Type	Shape	P.D	O.D	F	M	E	Dm	Axle aperture dH7			
								A-shaped		B、W shaped	
								H	C.N	H	C.N
T20x18		114.59	111.76	120	80	-	65	24~60	24~40	24~60	24~40
T20x19		120.96	118.13	130	80	-	65	24~60	24~42	24~60	24~42
T20x20		127.33	124.49	136	90	-	85	24~60	24~45	24~60	24~45
T20x21		133.69	130.86	142	92	-	85	24~110	24~55	24~110	24~55
T20x22	A	140.06	137.23	150	100	-	90	25~110	25~55	25~110	25~55
T20x24		152.79	149.96	158	112	-	95	25~100	25~65	25~100	25~65
T20x25		159.15	156.32	168	120	-	95	28~110	28~65	28~110	28~65
T20x26	B	165.52	162.69	175	126	-	95	28~110	28~65	28~110	28~65
T20x27		171.89	169.06	181	134	-	95	28~120	28~72	28~120	28~72
T20x28		178.25	175.42	187	140	-	110	28~120	28~72	28~120	28~72
T20x30		190.99	188.16	200	152	-	110	32~142	32~75	32~142	32~75
T20x32		203.72	200.89	-	-	160	110	32~142	32~75	32~142	32~75
T20x34		216.45	213.62	-	-	174	110	35~142	35~75	35~142	35~75
T20x38	W	241.92	239.09	-	-	199	110	35~120	35~75	35~120	35~75
T20x40		254.65	251.82	-	-	212	110	35~120	35~75	35~120	35~75
T20x48		305.58	302.75	-	-	262	130	40~120	40~85	40~120	40~85
T20x60		381.97	379.14	-	-	340	130	40~120	40~85	40~120	40~85

Axle hole specifications

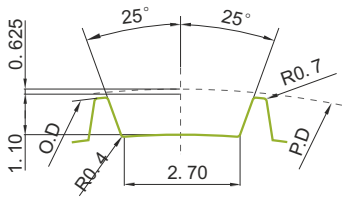


Kc90 shows alteration of stop screw angle.

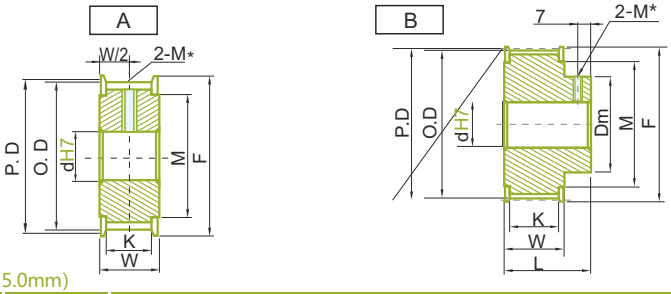


belt width	K	W	L	L:18~28	L:28
10=10mm	11.5	16.5	25	27	29
15=15mm	16.5	21.5	30	32	34
20=20mm	21.5	26.5	39	41	43
25=25mm	26.5	31.5	44	43	48

AT5 Pulley tooth profile figure



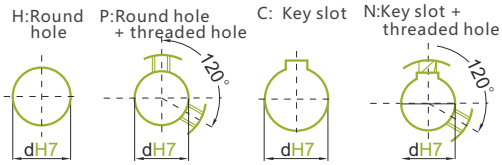
Pulley shape



Tooth space size slightly varies according to different teeth (pitch = 5.0mm)

Type	Shape	P.D	O.D	F	M	Dm	Axle aperture dH7					
							A-shaped			B-shaped		
							H	P	C.N	H	P	C.N
AT5X15		23.88	22.63	28	18	13	5~10	5~10	8、10	5~10	5~8	-
AT5X16		25.46	24.21	32	20	16	6~12	6~12	8~12	6~12	6~10	8
AT5X18		28.65	27.40	33	22	16	6~14	6~12	8~12	6~14	6~11	8、10
AT5X20		31.83	30.58	35	24	20	6~16	6~16	8~16	6~15	6~12	8、10
AT5X22	A	35.01	33.76	40	27	20	7~19	7~18	8~18	7~19	7~15	8~12
AT5X24		38.20	36.95	44	32	25	7~22	7~20	8~20	7~22	7~17	8~13
AT5X25		39.79	38.54	44	32	25	7~22	7~20	8~20	7~22	7~18	8~15
AT5X26	B	41.38	40.13	47	34	30	8~27	8~22	8~22	8~27	8~21	8~17
AT5X28		44.56	43.31	47	34	30	8~27	8~24	8~24	8~27	8~22	8~18
AT5X30		47.75	46.50	51	36	35	10~28	10~26	10~26	8~28	10~23	10~18
AT5X32		50.93	49.68	55	39	35	10~32	10~28	10~28	10~32	10~27	10~22
AT5X36		57.30	56.05	60	46	40	10~37	10~30	10~30	10~36	10~30	10~25
AT5X40		63.66	62.41	67	50	45	10~42	10~38	10~38	10~42	10~37	10~29
AT5X44		70.03	68.78	74	53	45	12~50	12~42	12~40	12~46	12~40	12~30
AT5X48		76.39	75.14	83	63	45	12~55	12~45	12~40	12~55	12~45	12~40
AT5X50		79.58	78.33	87	67	45	12~59	12~45	12~43	12~59	12~45	12~43
AT5X60		95.49	94.24	99	78	45	12~72	12~45	12~45	12~71	12~45	12~45

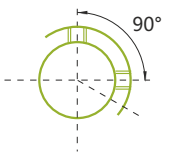
Axle hole specifications



M*Threaded hole size table: (Axle hole specifications P, N)

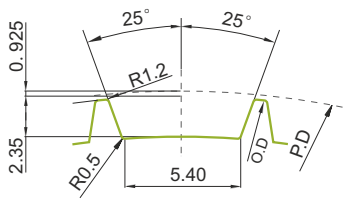
Inner diameter of dH7 axle hole	5	6~12	13~17	18~30	31~45
M coarse thread	M3	M4	M5	M6	M8

Kc90 shows alteration of stop screw angle.

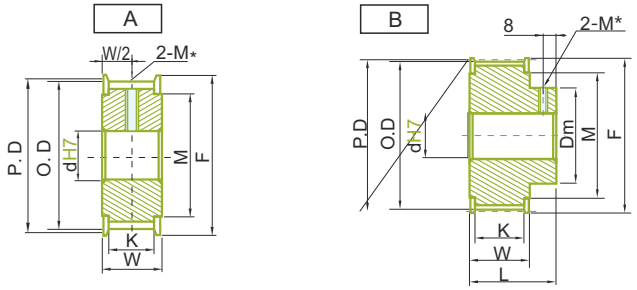


belt width	K	W	L30	L30
15=15mm	16.5	22.5	38	40
20=20mm	21.5	27.5	43	45
25=25mm	26.5	32.5	48	50
30=30mm	31.5	36.5	52	54
40=40mm	41.5	46.5	62	64
50=50mm	52	57	73	75

AT10 Pulley tooth profile figure



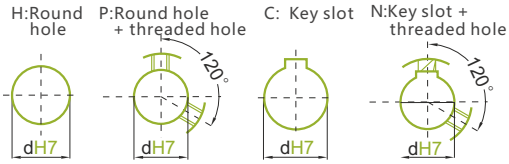
Pulley shape



Tooth space size slightly varies according to different teeth (pitch = 10.0mm)

Type	Shape	P.D	O.D	F	M	Dm	Axle aperture dH7					
							A-shaped			B-shaped		
							H	P	C.N	H	P	C.N
AT10X14		44.56	42.71	48	36	34	10~27	10~26	10~26	10~27	10~22	10~20
AT10X15		47.75	45.90	51	36	35	10~28	10~26	10~26	10~28	10~23	10~20
AT10X16		50.93	49.08	57	41	35	12~32	12~30	12~30	12~32	12~27	12~22
AT10X18		57.30	55.45	60	46	35	12~37	12~30	12~30	12~36	12~30	12~25
AT10X20	A	63.66	61.81	67	50	40	12~42	12~40	12~40	12~42	12~35	12~29
AT10X22		70.03	68.18	80	60	40	12~52	12~48	12~48	12~46	12~38	12~32
AT10X24	B	76.39	74.54	87	68	50	12~59	12~50	12~50	12~56	12~46	12~40
AT10X25		79.58	77.73	87	68	50	12~59	12~50	12~50	12~59	12~49	12~43
AT10X26		82.76	80.91	87	68	50	12~59	12~50	12~50	12~59	12~49	12~43
AT10X28		89.13	87.28	94	74	60	12~67	12~57	12~50	12~66	12~56	12~48
AT10X30		95.49	93.64	105	84	60	12~76	12~65	12~50	12~71	12~61	12~50
AT10X32		101.86	100.01	112	90	60	20~80	20~65	20~50	20~80	20~65	20~50
AT10X36		114.59	112.74	123	101	60	20~80	20~65	20~50	20~80	20~65	20~50
AT10X40		127.32	125.47	135	115	60	20~80	20~65	20~50	20~80	20~65	20~50
AT10X44		140.06	138.21	152	121	60	20~80	20~65	20~50	20~80	20~65	20~50
AT10X48		152.78	150.93	160	140	60	20~80	20~65	20~50	20~80	20~65	20~50

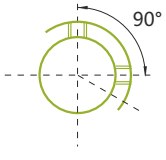
Axle hole specifications



M*Threaded hole size table: (Axle hole specifications P, N)

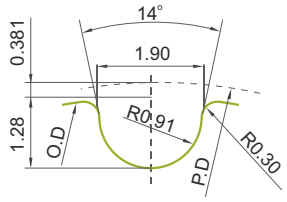
Inner diameter of dH7 axle hole	10~12	13~17	18~30	31~45	46~65
M coarse thread	M4	M5	M6	M8	M10

Kc90 shows alteration of stop screw angle.

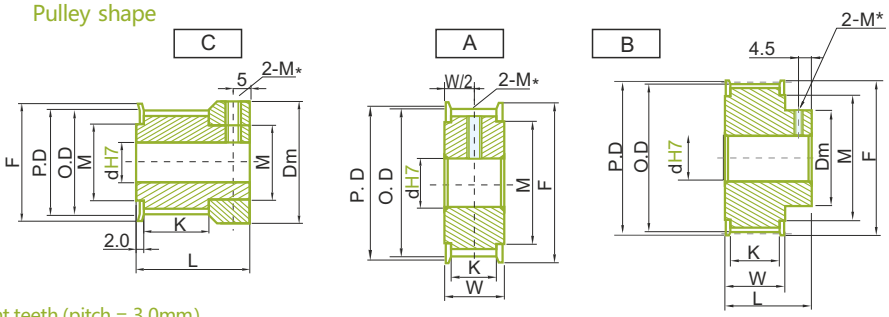


belt width	K	W	L
06=6mm	7	11	19
09=9mm	11	15	23
12=12mm	14	18	26
15=15mm	17	21	29

3M Pulley tooth profile figure



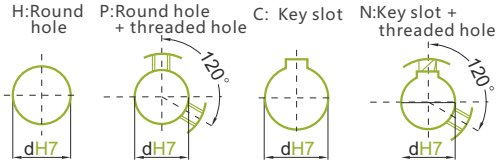
Pulley shape



Tooth space size slightly varies according to different teeth (pitch = 3.0mm)

Type	Shape	P.D	O.D	F	M	Dm	Axle aperture dH7					
							A-shaped			C、-Bshaped		
							H	P	C.N	H	P	C.N
14-3M		13.37	12.61	16	9.5	16	4、5、6	-	-	4、5、6	4、5、6	-
15-3M		14.32	13.56	18	11	18	4、5、6	-	-	4、5、6	4、5、6	-
16-3M	C	15.28	14.52	18	11	18	4~7	-	-	4~7	4~7	-
18-3M	A	17.19	16.43	20	12	20	4~8	4、5	-	4~8	4~8	-
19-3M		18.14	17.38	23	13	23	4~9	4、5、6	-	4~8	4~8	-
20-3M		19.10	18.34	23	13	23	4~9	4、5、6	-	4~8	4~8	-
22-3M		21.01	20.25	25	16	25	4~10	4~8	-	4~10	4~10	-
24-3M		22.92	22.16	25	16	14	4~10	4~10	-	4~10	4~8	-
25-3M		23.87	23.11	28	18	16	4~11	4~11	8、10、11	4~11	4~10	-
26-3M	A	24.83	24.07	28	18	16	5~11	5~11	8、10、11	5~11	5~10	8
28-3M		26.74	25.98	31	20	18	5~13	5~13	8~13	5~13	5~10	8
30-3M		28.65	27.89	33	22	20	6~15	6~14	8~14	6~15	6~12	8
32-3M		30.56	29.80	35	24	20	6~17	6~16	8~16	6~16	6~12	8~11
34-3M	B	32.47	31.71	41	28	26	6~20	6~18	8~18	6~20	6~18	8~11
36-3M		34.38	33.62	41	28	26	6~20	6~18	8~18	6~20	6~18	8~13
40-3M		38.20	37.44	44	32	30	8~24	8~23	8~23	8~24	8~21	8~13
44-3M		42.02	41.26	48	36	32	8~28	8~25	8~25	8~28	8~23	8~16
48-3M		45.84	45.07	51	36	34	8~30	8~25	8~25	8~30	8~25	8~18
50-3M		47.75	46.98	52	38	34	8~32	8~28	8~28	8~30	8~25	8~20
60-3M		57.30	56.53	60	46	39	8~38	8~33	8~32	8~35	8~30	8~20
72-3M		68.76	68.00	75	55	50	8~50	8~42	8~40	8~46	8~38	8~22

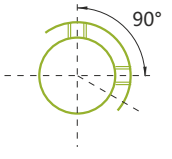
Axle hole specifications



M*Threaded hole size table: (Axle hole specifications P, N)

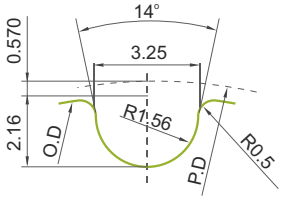
Inner diameter of dH7 axle hole	4~5	6~17	18~33
M coarse thread	M3	M4	M5

Kc90 shows alteration of stop screw angle.

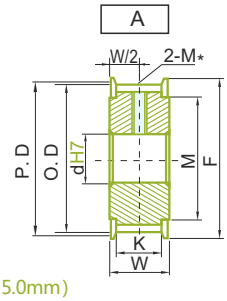


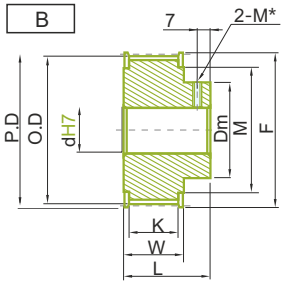
belt width	K	W	L
09=9mm	11	16	28
15=15mm	17	22	34
25=25mm	27	32	44
30=30mm	32	37	49

5M Pulley tooth profile figure



Pulley shape

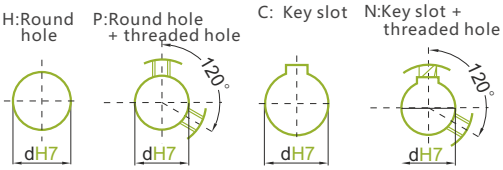




Tooth space size slightly varies according to different teeth (pitch = 5.0mm)

Type	Shape	P.D	O.D	Dm	F	M	Axle aperture dH7					
							A-shaped			C、B-shaped		
							H	P	C.N	H	P	C.N
14-5M		22.28	21.14	14	25	16	6~10	6~10	8、10	6~10	6~8	-
15-5M		23.87	22.73	15	28	18	6~10	6~10	8、10	6~10	6~8	-
16-5M		25.46	24.32	17	32	20	7~12	7~12	8~12	7~12	7~10	8
18-5M	A	28.65	27.51	19	33	22	7~14	7~12	8~12	7~14	7~11	8、10
19-5M		30.24	29.10	19	35	24	6~16	6~16	8~16	6~15	6~11	8、10
20-5M		31.83	30.69	19	35	24	7~16	7~16	8~16	7~15	7~11	8、10
22-5M		35.01	33.87	24	41	28	7~19	7~18	8~18	7~19	7~15	8~12
24-5M		38.20	37.06	27	44	32	7~22	7~20	8~20	7~22	7~17	8~13
25-5M		39.79	38.65	27	44	32	7~22	7~20	8~20	7~22	7~17	8~15
26-5M		41.38	40.24	31	48	36	8~27	8~22	8~22	8~27	8~21	8~17
28-5M		44.56	43.42	32	48	36	8~27	8~24	8~24	8~27	8~22	8~18
30-5M	B	47.75	46.61	33	51	36	10~28	10~26	10~26	10~28	10~23	10~18
32-5M		50.93	49.79	37	55	39	10~32	10~28	10~28	10~32	10~27	10~22
34-5M		54.11	52.97	40	60	46	10~37	10~30	10~30	10~36	10~30	10~25
36-5M		57.30	56.16	40	60	46	10~37	10~30	10~30	10~36	10~30	10~25
40-5M		63.66	62.52	47	67	50	10~42	10~38	10~38	10~42	10~35	10~28
44-5M		70.03	68.89	50	75	55	12~50	12~42	12~40	12~46	12~38	12~32
48-5M		76.39	75.25	60	83	63	12~55	12~45	12~40	12~55	12~45	12~40
50-5M		79.58	78.44	63	86	66	12~59	12~45	12~43	12~59	12~45	12~43
60-5M		95.48	94.34	75	99	78	12~72	12~45	12~45	12~71	12~45	12~45
72-5M		114.59	113.45	90	119	100	12~80	12~65	12~50	12~80	12~65	12~50

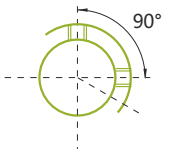
Axle hole specifications



M*Threaded hole size table: (Axle hole specifications P, N)

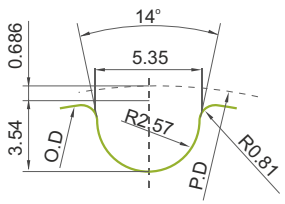
Inner diameter of dH7 axle hole	5	6~12	13~17	18~30	31~45
M coarse thread	M3	M4	M5	M6	M8

Kc90 shows alteration of stop screw angle.

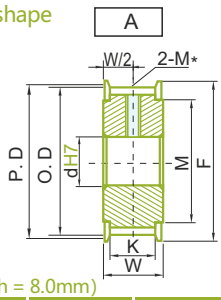


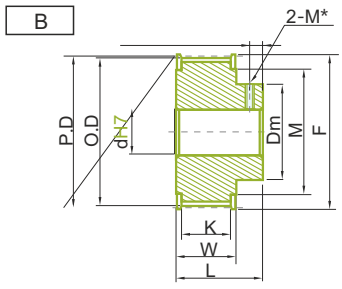
belt width	K	W	L:48	L:48
20=20mm	22	27	42	47
25=25mm	28	33	48	53
30=30mm	33	38	53	58
40=40mm	44	49	64	69

8M Pulley tooth profile figure



Pulley shape

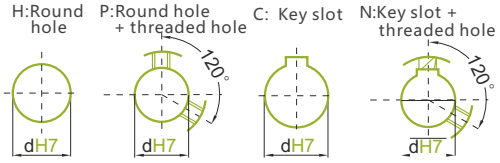




Tooth space size slightly varies according to different teeth (pitch = 8.0mm)

Type	Shape	P.D	O.D	F	M	Dm	Axle aperture dH7					
							A-shaped			B-shaped		
							H	P	C.N	H	P	C.N
18-8M		45.84	44.47	51	36	32	12~28	12~26	12~26	12~28	12~22	12~20
19-8M		48.38	47.01	55	39	35	12~32	12~28	12~28	12~31	12~25	12~20
20-8M		50.93	49.56	57	41	36	12~32	12~30	12~30	12~32	12~26	12~22
21-8M		53.47	52.10	60	46	40	12~37	12~32	12~32	12~36	12~30	12~24
22-8M	A	56.02	54.65	60	46	41	12~37	12~34	12~34	12~37	12~30	12~25
24-8M		61.12	59.75	67	50	46	12~42	12~40	12~40	12~42	12~34	12~28
25-8M		63.66	62.29	69	54	48	12~48	12~40	12~40	12~44	12~36	12~28
26-8M		66.21	64.84	75	55	51	14~50	14~45	14~45	14~47	14~39	14~31
28-8M		71.30	69.93	78	58	55	14~52	14~48	14~48	14~51	14~43	14~35
30-8M		76.39	75.02	86	66	60	14~59	14~50	14~50	14~56	14~46	14~38
32-8M		81.49	80.12	86	66	63	14~59	14~55	14~50	14~59	14~49	14~45
34-8M		86.58	85.21	94	74	70	16~67	16~60	16~50	16~66	16~56	16~48
36-8M	B	91.67	90.30	99	78	75	16~72	16~65	16~50	16~71	16~61	16~50
38-8M		96.77	95.40	105	84	80	16~76	16~65	16~50	17~76	16~65	16~50
40-8M		101.86	100.49	112	90	85	20~80	20~65	20~50	20~80	20~65	20~50
44-8M		112.05	110.68	119	100	90	20~80	20~65	20~50	20~80	20~65	20~50
48-8M		122.23	120.86	131	111	100	20~80	20~65	20~50	20~80	20~65	20~50
50-8M		127.32	125.95	135	115	100	20~80	20~65	20~50	20~80	20~65	20~50
60-8M		152.79	151.42	160	140	100	20~80	20~65	20~50	20~80	20~65	20~50
72-8M		183.35	181.98	190	161	100	20~80	20~65	20~50	20~80	20~65	20~50

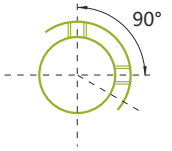
Axle hole specifications



M*Threaded hole size table: (Axle hole specifications P, N)

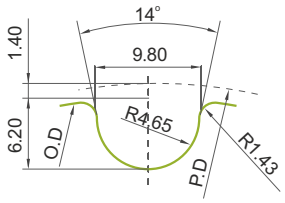
Inner diameter of dH7 axle hole	12	13~17	18~30	31~45	46~65
M coarse thread	M4	M5	M6	M8	M10

Kc90 shows alteration of stop screw angle.

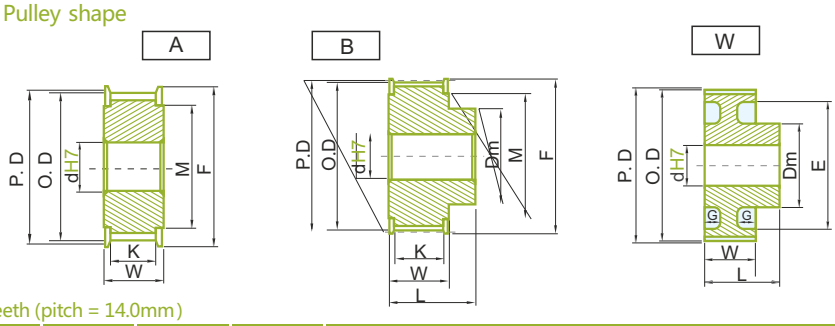


belt width	K	W	G	L:43	L:43
55=55mm	61	68	18	88	93
85=85mm	92	99	25	119	123
100=100mm	107	114	30	132	138
115=115mm	122	130	35	148	154

14M Pulley tooth profile figure



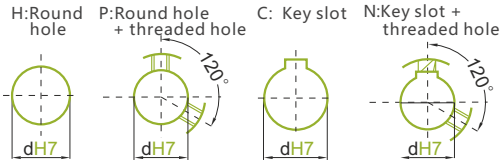
Pulley shape



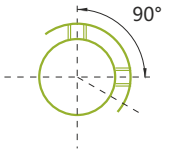
Tooth space size slightly varies according to different teeth (pitch = 14.0mm)

Type	Shape	P.D	O.D	F	M	E	Dm	Inner hole dH7			
								A-shaped		B、W shaped	
								H	C.N	H	C.N
28-14M		124.78	121.98	136	101	-	90	20~45	20~40	20~45	20~40
30-14M		133.69	130.89	144	111	-	100	20~55	20~50	20~55	20~50
32-14M	A	142.60	139.29	150	115	-	110	24~60	24~55	24~60	24~55
34-14M		151.52	148.72	161	131	-	120	25~65	25~55	25~65	25~55
36-14M		160.43	157.63	172	141	-	120	25~75	25~65	25~75	25~65
40-14M		178.25	175.45	190	161	-	135	28~75	28~65	28~75	28~65
42-14M	B	187.17	184.37	200	164	-	145	28~100	28~75	28~100	28~75
44-14M		196.08	193.28	208	173	-	155	28~100	28~80	28~100	28~80
48-14M		213.90	211.10	224	190	-	160	32~120	32~100	32~120	32~100
50-14M		222.82	220.02	235	200	-	160	32~120	32~100	32~120	32~100
56-14M		249.55	246.75	260	224	-	160	35~120	35~110	35~120	35~110
64-14M		285.21	282.41	-	-	240	190	45~135	45~110	45~135	45~110
72-14M		320.86	318.06	-	-	280	220	45~135	45~110	45~135	45~110
80-14M	W	356.51	353.71	-	-	300	240	55~185	55~150	55~185	55~150
90-14M		401.07	398.28	-	-	340	280	55~185	55~150	55~185	55~150

Axle hole specifications

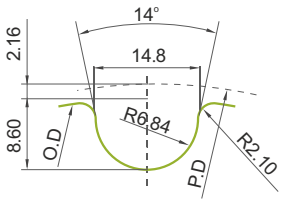


Kc90 shows alteration of stop screw angle.

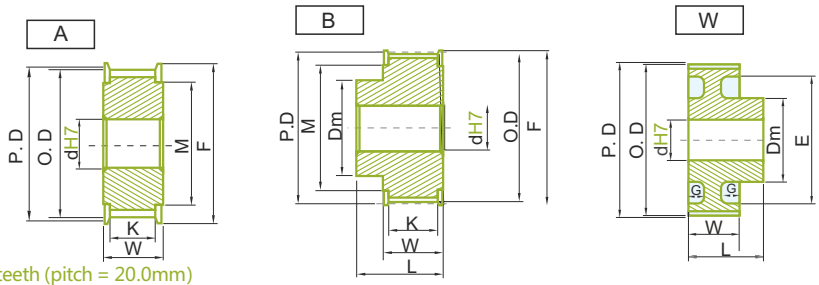


belt width	K	W	G	L
115=115mm	125	135	28	168
170=170mm	180	190	30	223
230=230mm	240	250	35	283

20M Pulley tooth profile figure



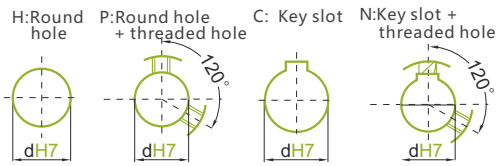
Pulley shape



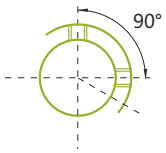
Tooth space size slightly varies according to different teeth (pitch = 20.0mm)

Type	Shape	P.D	O.D	F	M	E	Dm	Inner hole dH7			
								A-shaped		B、W shaped	
								H	C.N	H	C.N
34-20M		216.45	212.13	240	165	-	165	32~142	32~135	32~142	32~135
36-20M		229.18	224.87	250	178	-	178	32~142	32~135	32~142	32~135
38-20M		241.92	237.60	265	190	-	181	35~142	35~138	35~142	35~138
40-20M	A	254.56	250.33	275	203	-	203	35~145	35~138	35~145	35~138
44-20M		280.11	275.79	300	228	-	210	35~145	35~138	35~145	35~138
48-20M		305.58	301.26	325	254	-	228	44~180	44~150	44~180	44~150
52-20M	B	331.04	326.72	350	279	-	228	50~202	50~175	50~202	50~175
56-20M		356.51	352.19	375	305	-	280	50~224	50~182	50~224	50~182
60-20M		381.97	377.65	-	-	328	280	55~255	55~182	55~255	55~182
64-20M		407.44	403.12	-	-	350	300	55~255	55~220	55~255	55~220
68-20M	W	432.90	428.58	-	-	380	300	60~255	60~220	60~255	60~220
72-20M		458.37	454.05	-	-	400	320	60~255	60~240	60~255	60~240
80-20M		509.30	504.98	-	-	450	340	60~255	60~240	60~255	60~240
90-20M		572.96	568.64	-	-	510	380	60~255	60~240	60~255	60~240

Axle hole specifications

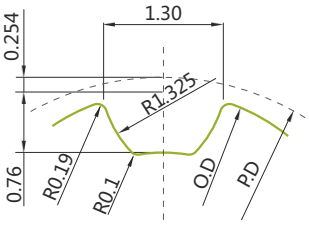


Kc90 shows alteration of stop screw angle.

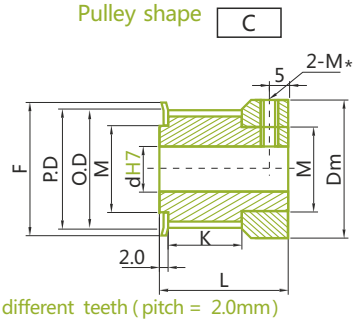


belt width	K	W	L
04=4mm	5	9	17
06=6mm	7	11	19
10=10mm	11	15	23
12=12mm	13	17	25

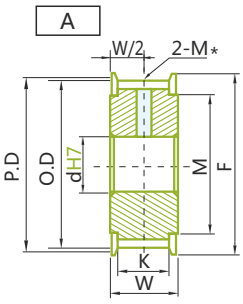
S2M Pulley tooth profile figure



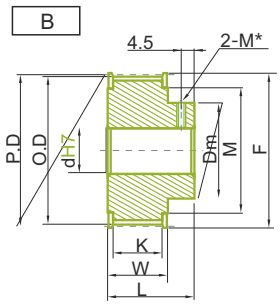
Pulley shape C



A



B



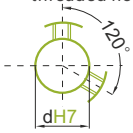
Tooth space size slightly varies according to different teeth (pitch = 2.0mm)

Type	Shape	P.D	O.D	F	M	Dm	Inner hole dH7					
							A-shaped			B、W-shaped		
							H	P	C.N	H	P	C.N
14-S2M		8.91	8.40	12	6	12	3、4	-	-	3、4	3、4	-
15-S2M		9.55	9.04	12	6	12	3、4	-	-	3、4	3、4	-
16-S2M		10.19	9.68	14	8	14	3、4、5	-	-	3、4、5	3、4、5	-
18-S2M	A	11.46	10.95	14	8	14	3、4、5	-	-	3、4、5	3、4、5	-
20-S2M		12.73	12.22	16	10	16	3~6	-	-	3~6	3~6	-
22-S2M	C	14.01	13.50	18	11	18	3~6	-	-	3~6	3~6	-
23-S2M		14.65	14.14	18	11	18	3~6	-	-	3~6	3~6	-
24-S2M		15.28	14.77	20	12	20	3~7	-	-	3~7	3~7	-
25-S2M		15.92	15.41	20	12	20	3~7	-	-	3~7	3~7	-
26-S2M		16.55	16.04	23	13	23	3~8	-	-	3~8	3~8	-
28-S2M		17.83	17.32	23	13	23	3~8	-	-	3~8	3~8	-
30-S2M		19.10	18.59	23	13	23	3~8	-	-	3~8	3~8	-
32-S2M		20.37	19.86	25	16	12	4~10	4~10	8	4~8	4、5、6	-
34-S2M		21.65	21.14	25	16	14	4~10	4~10	8、10	4~10	4~8	-
36-S2M	A	22.92	22.41	28	18	14	4~10	4~10	8、10	4~10	4~8	-
40-S2M		25.46	24.95	31	20	18	4~12	4~12	8~12	4~13	4~10	8
44-S2M		28.01	27.50	33	22	20	5~15	5~13	8~13	5~15	5~12	8~11
48-S2M	B	30.56	30.05	35	24	20	5~17	5~15	8~15	5~16	5~12	8~11
50-S2M		31.83	31.32	35	24	20	5~17	5~16	8~16	5~16	5~12	8~11
60-S2M		38.20	37.69	44	32	30	5~24	5~22	8~22	5~25	5~22	8~16
72-S2M		45.84	45.33	50	38	30	5~30	5~24	8~22	5~30	5~24	-

Axle hole specifications

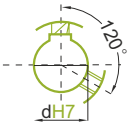
H:Round hole

P:Round hole + threaded hole



C: Key slot

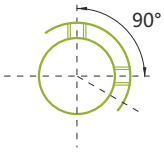
N:Key slot + threaded hole



M*Threaded hole size table: (Axle hole specifications P, N)

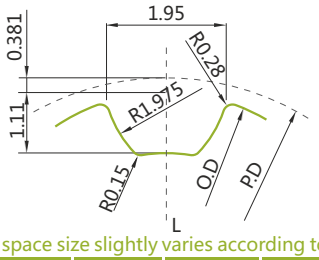
Inner diameter of dH7 axle hole	3~5	6~22
M coarse thread	M3	M4

Kc90 shows alteration of stop screw angle.

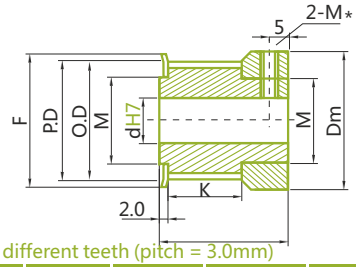


belt width	K	W	L
06=6mm	7	11	19
10=10mm	11	15	23
15=15mm	17	21	29

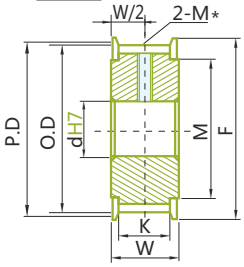
S3M Pulley tooth profile figure



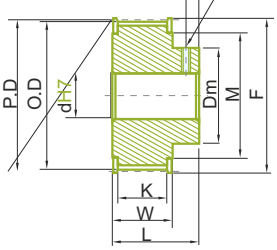
Pulley shape C



A



B

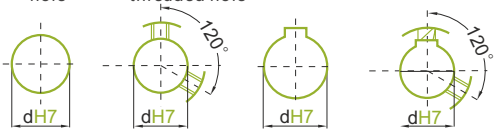


Tooth space size slightly varies according to different teeth (pitch = 3.0mm)

Type	Shape	P.D	O.D	F	M	Dm	Inner hole dH7					
							A-shaped			B、C-shaped		
							H	P	C.N	H	P	C.N
14-S3M		13.37	12.61	16	9.5	16	4、5、6	-	-	4、5、6	4、5、6	-
15-S3M		14.32	13.56	18	11	18	4、5、6	-	-	4、5、6	4、5、6	-
16-S3M	C	15.28	14.52	18	11	18	4~7	-	-	4~7	4~7	-
18-S3M		17.19	16.43	20	12	20	4~8	4、5	-	4~8	4~8	-
19-S3M		18.14	17.38	23	13	22	4~9	4、5、6	-	4~8	4~8	-
20-S3M	A	19.10	18.34	23	13	22	4~9	4、5、6	-	4~8	4~8	-
22-S3M		21.01	20.25	25	16	25	4~10	4~8	-	4~10	4~10	-
24-S3M		22.92	22.16	25	16	14	4~10	4~10	-	4~10	4~8	–
25-S3M		23.87	23.11	28	18	16	4~11	4~11	8、10、11	4~11	4~10	8
26-S3M		24.83	24.07	28	18	16	5~11	5~11	8、10、11	5~11	5~10	8
28-S3M		26.74	25.98	31	20	18	5~13	5~13	8~13	5~13	5~10	8
30-S3M	A	28.65	27.89	33	22	20	6~15	6~14	8~14	6~15	6~12	8~11
32-S3M		30.56	29.80	35	24	20	6~17	6~16	8~16	6~16	6~12	8~11
34-S3M		32.47	31.71	40	27	26	6~20	6~18	8~18	6~20	6~18	8~13
36-S3M		34.38	33.62	40	27	26	6~20	6~18	8~18	6~20	6~18	8~13
40-S3M		38.20	37.44	44	32	30	8~24	8~23	8~23	8~24	8~21	8~16
44-S3M		42.02	41.25	48	36	32	8~28	8~25	8~25	8~28	8~23	8~18
48-S3M		45.84	45.07	50	38	34	8~30	8~25	8~25	8~30	8~25	8~20
50-S3M		47.75	46.98	52	38	34	8~32	8~28	8~28	8~30	8~25	8~20
60-S3M	B	57.30	56.53	60	46	39	8~38	8~33	8~32	8~35	8~30	8~22
72-S3M		68.76	68.00	75	55	50	8~30	8~42	8~40	8~46	8~38	-

Axle hole specifications

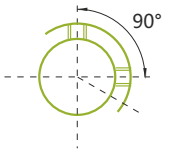
H:Round hole P:Round hole + threaded hole



M*Threaded hole size table: (Axle hole specifications P, N)

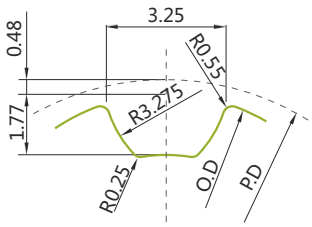
Inner diameter of dH7 axle hole	4~5	6~17	18~33	34~42
M coarse thread	M3	M4	M5	M6

Kc90 shows alteration of stop screw angle.

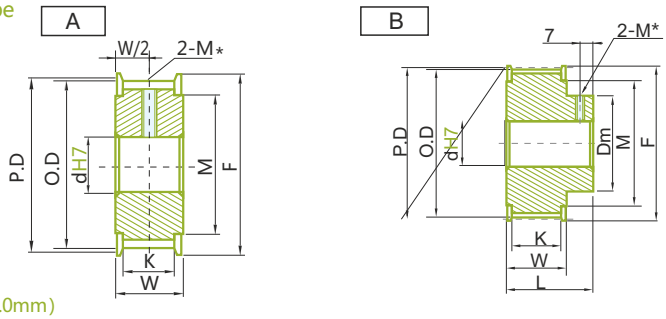


belt width	K	W	L
10=10mm	11	16	28
15=15mm	17	22	34
25=25mm	27	32	44

S5M Pulley tooth profile figure



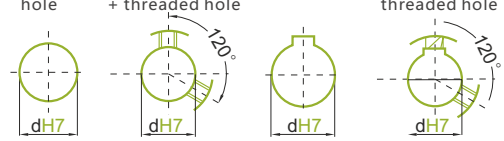
Pulley shape



Tooth space size slightly varies according to different teeth (pitch = 5.0mm)

Type	Shape	P.D	O.D	F	M	Dm	Inner hole dH7					
							A-shaped			B、W-shaped		
							H	P	C.N	H	P	C.N
14-S5M		22.28	21.32	25	16	14	6~10	6~10	8、10	6~10	6~8	-
15-S5M		23.87	22.91	28	18	15	6~10	6~10	8、10	6~10	6~8	-
16-S5M		25.46	24.50	32	20	17	7~12	7~12	8~12	7~12	7~10	8
18-S5M		28.65	27.69	33	22	19	7~14	7~12	8~12	7~14	7~11	8、10
19-S5M		30.24	29.28	35	24	19	6~16	6~16	8~16	6~15	6~11	8、10
20-S5M		31.83	30.87	35	24	19	7~16	7~16	8~16	7~15	7~11	8、10
22-S5M	A	35.01	34.05	40	27	24	7~19	7~18	8~18	7~19	7~15	8~12
24-S5M		38.20	37.24	44	32	27	7~22	7~20	8~20	7~22	7~17	8~13
25-S5M		39.79	38.83	44	32	27	7~22	7~20	8~20	7~22	7~17	8~15
26-S5M		41.38	40.42	48	36	31	8~27	8~22	8~22	8~27	8~21	8~17
28-S5M	B	44.56	43.60	48	36	32	8~27	8~24	8~24	8~27	8~22	8~18
30-S5M		47.75	46.79	51	36	33	10~28	10~26	10~26	10~28	10~23	10~18
32-S5M		50.93	49.97	55	39	37	10~32	10~28	10~28	10~32	10~27	10~22
34-S5M		54.11	53.15	60	46	40	10~37	10~30	10~30	10~36	10~30	10~25
36-S5M		57.30	56.34	60	46	40	10~37	10~30	10~30	10~36	10~30	10~25
40-S5M		63.66	62.70	67	50	47	10~42	10~38	10~38	10~42	10~35	10~28
44-S5M		70.03	69.07	75	55	50	12~50	12~42	12~40	12~46	12~38	12~32
48-S5M		76.39	75.43	83	63	60	12~55	12~45	12~40	12~55	12~45	12~40
50-S5M		79.58	78.62	87	68	63	12~59	12~45	12~43	12~59	12~45	12~43
60-S5M		95.48	94.52	99	78	75	12~72	12~45	12~45	12~71	12~45	12~45
72-S5M		114.59	113.63	119	100	90	12~80	12~65	12~50	12~80	12~65	12~50

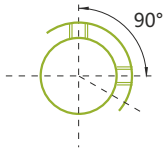
Axle hole specifications



M*Threaded hole size table: (Axle hole specifications P, N)

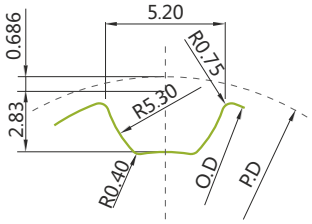
Inner diameter of dH7 axle hole	5	6~12	13~17	18~30	31~45	46~65
M coarse thread	M3	M4	M5	M6	M8	M10

Kc90 shows alteration of stop screw angle.

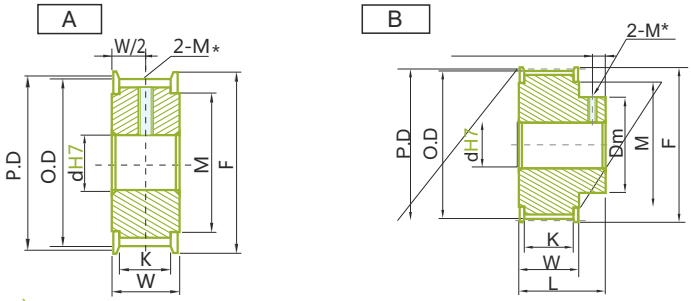


belt width	K	W		
15=15mm	17	22	37	42
25=25mm	28	33	48	53
30=30mm	33	38	53	58
40=40mm	44	49	64	69

S8M Pulley tooth profile figure



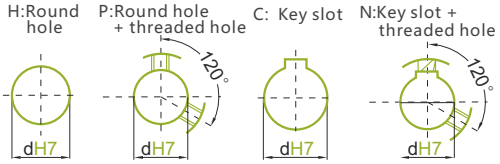
Pulley shape



Tooth space size slightly varies according to different teeth (pitch = 8.0mm)

Type	Shape	P.D	O.D	F	M	Dm	Axle aperture dH7					
							A-shaped			B-shaped		
							H	P	C.N	H	P	C.N
18-S8M		45.84	44.47	51	36	32	12~28	12~26	12~26	12~28	12~22	12~20
19-S8M		48.38	47.01	55	39	35	12~32	12~28	12~28	12~31	12~25	12~20
20-S8M		50.93	49.56	57	41	36	12~32	12~30	12~30	12~32	12~26	12~22
21-S8M		53.47	52.10	60	46	40	12~37	12~32	12~32	12~36	12~30	12~24
22-S8M	A	56.02	54.65	60	46	41	12~37	12~34	12~34	12~37	12~30	12~25
24-S8M		61.12	59.75	67	50	46	12~42	12~40	12~40	12~42	12~34	12~28
25-S8M		63.66	62.29	70	55	48	12~48	12~40	12~40	12~44	12~36	12~28
26-S8M		66.21	64.84	74	53	51	14~50	14~45	14~45	14~47	14~39	14~31
28-S8M		71.30	69.93	80	60	55	14~52	14~48	14~48	14~51	14~43	14~35
30-S8M		76.39	75.02	87	68	60	14~59	14~50	14~50	14~56	14~46	14~38
32-S8M		81.49	80.12	87	68	63	14~59	14~55	14~50	14~59	14~49	14~45
34-S8M		86.58	85.21	94	74	70	16~67	16~60	16~50	16~66	16~56	16~48
36-S8M	B	91.67	90.30	99	78	75	16~72	16~65	16~50	16~71	16~61	16~50
38-S8M		96.77	95.40	105	84	80	16~76	16~65	16~50	17~76	16~65	16~50
40-S8M		101.86	100.49	112	90	85	20~80	20~65	20~50	20~80	20~65	20~50
44-S8M		112.05	110.68	119	100	90	20~80	20~65	20~50	20~80	20~65	20~50
48-S8M		122.23	120.86	131	111	100	20~80	20~65	20~50	20~80	20~65	20~50
50-S8M		127.32	125.95	135	115	100	20~80	20~65	20~50	20~80	20~65	20~50
60-S8M		152.79	151.42	160	140	100	20~80	20~65	20~50	20~80	20~65	20~50
72-S8M		183.35	181.98	190	161	100	20~80	20~65	20~50	20~80	20~65	20~50

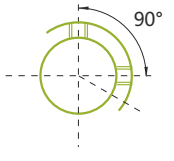
Axle hole specifications



M*Threaded hole size table: (Axle hole specifications P, N)

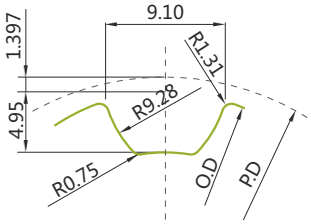
Inner diameter of dH7 axle hole	12	13~17	18~30	31~45	46~65
M coarse thread	M4	M5	M6	M8	M10

Kc90 shows alteration of stop screw angle.



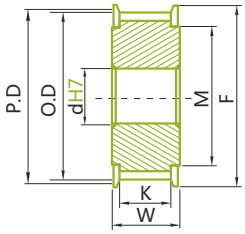
belt width	K	W	L44	L44
40=40mm	46	53	73	78
60=60mm	67	74	94	99

S14M Pulley tooth profile figure

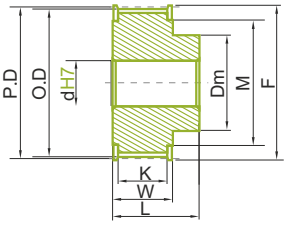


Pulley shape

A



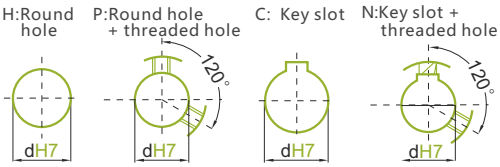
B



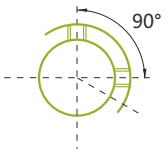
Tooth space size slightly varies according to different teeth (pitch = 14.0mm)

Type	Shape	P.D	O.D	F	M	Dm	Axle aperture dH7			
							A-shaped		B-shaped	
							H	C.N	H	C.N
28-S14M		124.78	121.98	136	101	90	20~45	20~40	20~45	20~40
30-S14M		133.69	130.89	144	111	100	20~55	20~50	20~55	20~50
32-S14M	A	142.60	139.81	150	115	110	24~60	24~55	24~60	24~55
34-S14M		151.52	148.72	161	131	120	25~65	25~55	25~65	25~55
36-S14M		160.43	157.63	172	141	120	25~75	25~65	25~75	25~65
40-S14M		178.25	175.45	190	161	135	28~75	28~65	28~75	28~65
42-S14M	B	187.17	184.37	200	164	145	28~100	28~75	28~100	28~75
44-S14M		196.08	193.28	208	173	155	28~100	28~80	28~100	28~80
48-S14M		213.90	211.10	224	190	160	32~120	32~100	32~120	32~100
50-S14M		222.82	220.02	235	200	160	32~120	32~100	32~120	32~100
56-S14M		249.55	246.75	260	224	160	35~120	35~110	35~120	35~110

Axle hole specifications

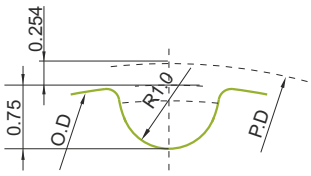


Kc90 shows alteration of stop screw angle.

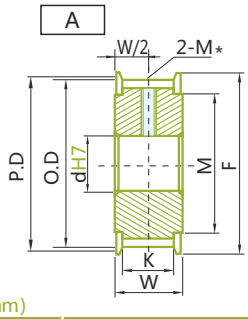


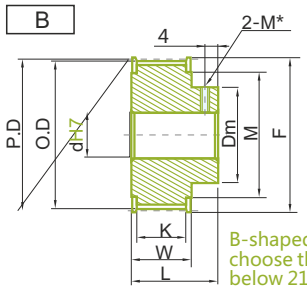
belt width	K	W	L
04=4mm	5	8.3	16
06=6mm	7	10.3	18
09=9mm	10	13.3	21

G2M Pulley tooth profile figure



Pulley shape



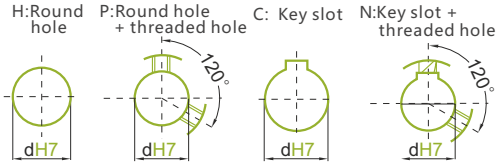


B-shaped can not choose the products below 21-teeth.

Tooth space size slightly varies according to different teeth (pitch = 2.0mm)

Type	Shape	P.D	O.D	F	E	Dm	Axle aperturedH7					
							H		P		C、N	
							A	B	A	B	A	B
14-G2M		8.91	8.40	12	6	-	3	-	-	-	-	-
15-G2M		9.55	9.04	12	6	-	3、4	-	-	-	-	-
16-G2M	A	10.19	9.68	14	7	-	3、4	-	-	-	-	-
18-G2M		11.46	10.95	14	7	-	4、5	-	-	-	-	-
20-G2M		12.73	12.22	16	10	-	4~6	-	-	-	-	-
21-G2M		13.37	12.86	18	11	-	4~6	-	-	-	-	-
22-G2M		14.01	13.50	18	11	8	4~6	4	-	-	-	-
24-G2M		15.28	14.77	20	12	10	5~7	5	-	-	-	-
25-G2M		15.92	15.41	20	12	10	5~7	5~7	-	-	-	-
26-G2M	A	16.55	16.04	23	13	10	5~8	5~8	-	-	-	-
28-G2M		17.83	17.32	23	13	10	5~8	5~8	-	-	-	-
30-G2M		19.01	18.50	23	13	11	5~8	5~8	-	-	-	-
32-G2M	B	20.37	19.86	25	16	13	5~10	5~8	5~10	5、6	-	-
34-G2M		21.65	21.14	25	16	14	6~10	6~10	6~10	6~8	-	-
36-G2M		22.92	22.41	28	18	14	6~10	6~10	6~10	6~8	-	-
38-G2M		24.19	23.68	28	18	16	6~10	6~10	6~10	6~8	8	-
40-G2M		25.46	24.95	31	20	17	6~12	6~13	6~12	6~10	8、10	-
44-G2M		28.01	27.50	33	22	19	6~15	5	6~13	6~12	8~11	-
48-G2M		30.56	30.05	35	24	22	8~17	8~16	8~15	8~12	8~13	8
50-G2M		31.83	31.32	35	24	22	8~17	8~16	8~16	8~12	8~14	8
60-G2M		38.20	37.69	44	32	28	8~24	8~24	8~22	8~22	8~19	8~14

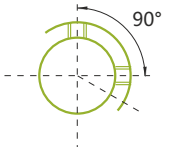
Axle hole specifications



M*Threaded hole size table: (Axle hole specifications P, N)

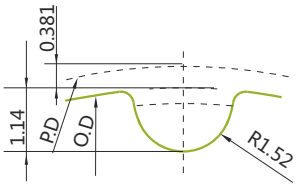
Inner diameter of dH7 axle hole	5	6~22
M coarse thread	M3	M4

Kc90 shows alteration of stop screw angle.

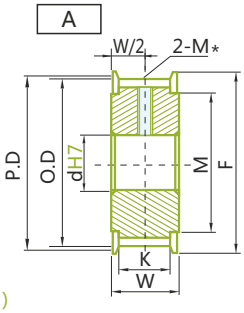


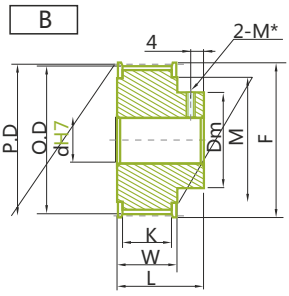
belt width	K	W	L
06=6mm	7.3	11	19
09=9mm	10.3	14	22
15=15mm	16.3	20	28

G3M Pulley tooth profile figure



Pulley shape





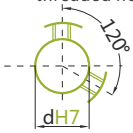
Tooth space size slightly varies according to different teeth (pitch = 3.0mm)

Type	Shape	P.D	O.D	F	E	Dm	Axle aperturedH7					
							H		P		C、N	
							A	B	A	B	A	B
16-G3M		15.28	14.52	18	11	-	4~7	-	-	-	-	-
18-G3M	A	17.19	16.43	20	12	-	5~8	-	5	-	-	-
20-G3M		19.10	18.34	23	13	-	5~9	-	5、 6	-	-	-
22-G3M		21.01	20.25	25	16	12	6~10	6~8	6~7	-	-	-
24-G3M		22.92	22.16	25	16	14	6~10	6~10	6~8	6	-	-
25-G3M		23.87	23.11	28	18	14	6~11	6~10	6~10	6	-	-
26-G3M	A	24.83	24.07	28	18	15	6~11	6~11	6~11	6	8	-
28-G3M		26.74	25.98	31	20	17	6~13	6~13	6~13	6~8	8~10	-
30-G3M		28.65	27.89	33	22	19	6~15	6~15	6~14	6~10	8~10	8
32-G3M		30.56	29.80	35	24	20	6~17	6~16	6~14	6~10	8~12	8
34-G3M		32.47	31.71	40	27	22	8~20	8~20	8~16	8~12	8~13	8~10
36-G3M	B	34.38	33.62	40	27	24	8~20	8~20	8~18	8~14	8~14	8~12
40-G3M		38.20	37.44	44	32	28	8~24	8~24	8~23	8~17	8~17	8~15
44-G3M		42.02	41.26	48	36	30	10~28	10~26	10~25	10~20	10~20	10~15
48-G3M		45.84	45.07	50	38	32	10~30	10~28	10~25	10~22	10~23	10~17
50-G3M		47.75	46.98	52	38	34	10~32	10~30	10~28	10~23	10~24	10~18
60-G3M		57.30	56.53	60	46	36	12~38	12~32	12~38	10~24	12~30	12~30

Axle hole specifications

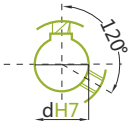
H:Round hole

P:Round hole + threaded hole



C: Key slot

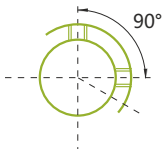
N:Key slot + threaded hole



M*Threaded hole size table: (Axle hole specifications P, N)

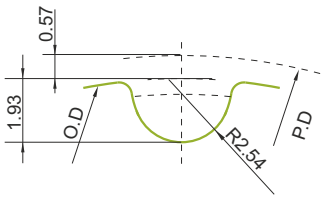
Inner diameter of dH7 axle hole	5	6~17	18~38
M coarse thread	M3	M4	M5

Kc90 shows alteration of stop screw angle.

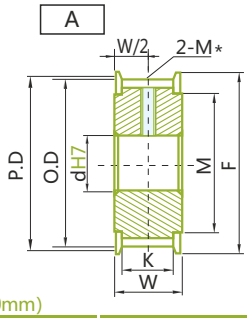


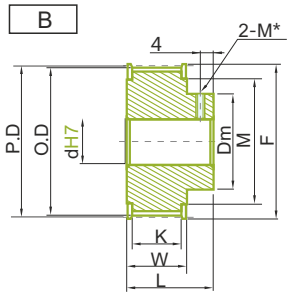
belt width	K	W	L
09=9mm	10.3	14	22
12=12mm	13.3	17	25
15=15mm	16.3	20	28

G5M Pulley tooth profile figure



Pulley shape

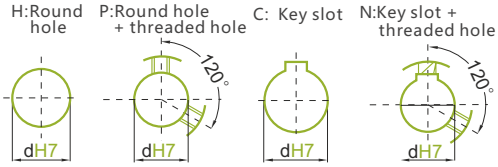




Tooth space size slightly varies according to different teeth (pitch = 5.0mm)

Type	Shape	P.D	O.D	F	M	Dm	Axle aperture dH7					
							H		P		C、N	
							A	B	A	B	A	B
14-G5M		22.28	21.14	25	16	12	6~10	6~8	6~8	-	-	-
15-G5M		23.87	22.73	28	18	13	6~10	6~10	6~8	-	-	-
16-G5M		25.46	24.32	32	20	15	6~12	6~12	6~10	6	8	-
18-G5M	A	28.65	27.51	33	22	18	6~14	6~14	6~13	6~9	8~10	-
20-G5M		31.83	30.69	35	24	20	8~16	8~15	8~14	8~10	8~12	8
22-G5M		35.01	33.87	40	27	22	8~19	8~19	8~17	8~12	8~12	8
24-G5M		38.20	37.06	44	32	26	8~22	8~22	8~18	8~16	8~14	8~10
25-G5M		39.79	38.65	44	32	28	8~22	8~22	8~20	8~16	8~16	8~12
26-G5M		41.38	40.24	48	36	28	10~27	10~24	10~21	10~16	10~17	10~13
28-G5M		44.56	43.42	48	36	30	10~27	10~27	10~24	10~20	10~19	10~15
30-G5M	B	47.75	46.61	51	36	32	10~28	10~28	10~26	10~22	10~20	10~16
32-G5M		50.93	49.79	55	39	34	10~32	10~30	10~30	10~22	10~23	10~17
34-G5M		54.11	52.97	60	46	36	12~37	12~32	12~32	12~24	12~26	12~18
36-G5M		57.30	56.16	60	46	38	12~37	12~34	12~34	12~26	12~30	12~20
40-G5M		63.66	62.52	67	50	40	12~42	12~36	12~36	12~26	12~30	12~22
44-G5M		70.03	68.89	75	55	42	12~50	12~38	12~42	12~26	12`30	12~23
48-G5M		76.39	75.25	83	63	46	12~55	12~42	12~45	12~30	12~31	12~26
50-G5M		79.58	78.44	87	68	46	12~59	12~42	12~45	12~30	12~31	12~27
60-G5M		95.48	94.34	99	78	52	12~72	12~44	12~45	12~30	12~32	12~30

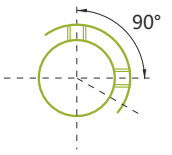
Axle hole specifications



M*Threaded hole size table: (Axle hole specifications P, N)

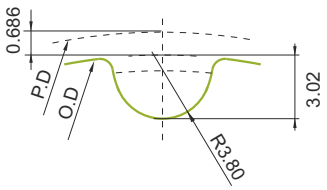
Inner diameter of dH7 axle hole	5	6~17	18~38
M coarse thread	M3	M4	M5

Kc90 shows alteration of stop screw angle.

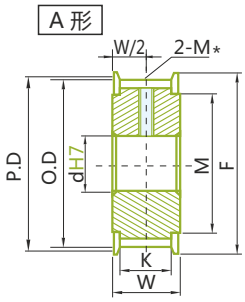


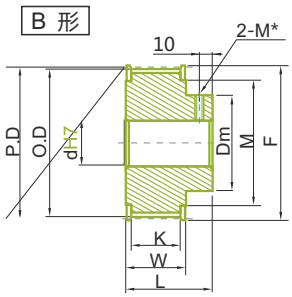
belt width	K	W	L
15=15mm	16.7	23	43
20=20mm	21.7	28	48
25=25mm	26.6	33	53

Y8M Pulley tooth profile figure



Pulley shape

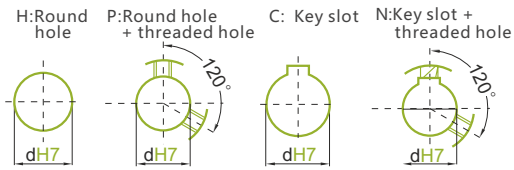




Tooth space size slightly varies according to different teeth (pitch = 8.0mm)

Type	Shape	P.D	O.D	F A	M	Dm A	Axle aperture dH7					
							H		P		C.N	
								B A		B		B
20-Y8M		50.93	49.56	57	41	36	16~32	16~32	16~28	16~20	16~21	16~18
22-Y8M	A	56.02	54.65	60	46	40	16~37	16~37	16~29	16~24	16~26	16~22
24-Y8M		61.12	59.75	67	50	44	16~42	16~40	16~34	16~28	16~30	16~24
25-Y8M		63.66	62.29	70	55	46	16~48	16~42	16~36	16~30	16~30	16~26
26-Y8M		66.21	64.84	74	53	48	16~50	16~42	16~38	16~32	16~30	16~28
28-Y8M		71.30	69.93	80	60	52	16~52	16~47	16~42	16~35	16~30	16~30
30-Y8M		76.39	75.02	87	68	56	16~59	16~50	16~45	16~39	16~30	16~30
32-Y8M		81.49	80.12	87	68	60	20~59	20~55	20~48	20~42	20~30	20~30
34-Y8M		86.58	85.21	94	74	64	20~67	20~58	20~52	20~45	20~30	20~30
36-Y8M	B	91.67	90.30	99	78	68	20~72	20~64	20~58	20~48	20~30	20~30
38-Y8M		96.77	95.40	105	84	72	20~76	20~68	20~62	20~52	20~30	20~30
40-Y8M		101.86	100.49	112	90	74	25~80	25~70	25~65	25~54	25~30	25~30
44-Y8M		112.05	110.68	119	100	78	25~80	25~72	25~65	25~56	25~30	25~30
48-Y8M		122.23	120.86	131	111	80	25~80	25~74	25~65	25~58	25~30	25~30
50-Y8M		127.32	125.95	135	115	82	25~80	25~76	25~65	25~60	25~30	25~30
60-Y8M		152.79	151.42	160	140	88	30~80	30~80	30~65	30~65	30~30	30~30

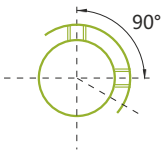
Axle hole specifications



M*Threaded hole size table: (Axle hole specifications P, N)

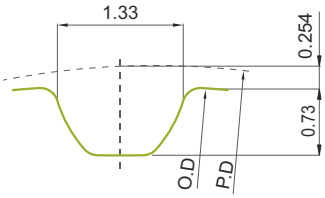
Inner diameter of dH7 axle hole	16~17	18~30	31~45	46~65
M coarse thread	M5	M6	M8	M10

Kc90 shows alteration of stop screw angle.

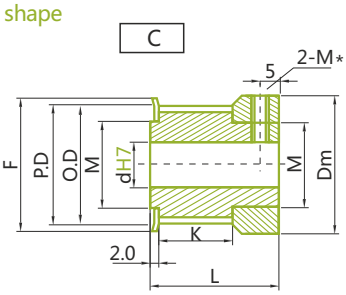


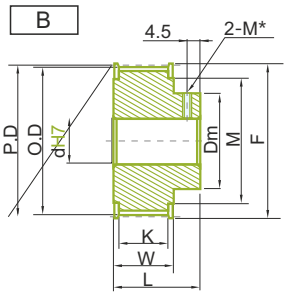
belt width	K	W	L
04=4mm	5.5	9.5	18
06=6mm	7.5	11.5	20
12=12mm	13.5	17.5	26

P2M Pulley tooth profile figure



Pulley shape

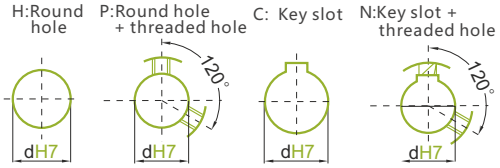




Tooth space size slightly varies according to different teeth (pitch = 2.0mm)

Type	Shape	P.D	O.D	F	M	Dm	Axle aperture dH7		
							H	P	C.N
14-P2M	C	8.91	8.40	12	6	12	-	3、4	-
15-P2M		9.55	9.04	12	6	13	-	3、4、5	-
16-P2M		10.19	9.68	14	8	13	-	3、4、5	-
18-P2M		11.46	10.95	14	8	15	-	3~6	-
20-P2M		12.73	12.22	16	10	17	-	4~6.35	-
22-P2M		14.01	13.50	18	11	17	-	4~6.35	-
24-P2M		15.28	14.77	20	12	17	-	4~6.35	-
25-P2M		15.92	15.41	20	12	20	-	4~6.35	-
28-P2M	B	17.83	17.32	23	13	12	5~6.35	5~6.35	
30-P2M		19.10	18.59	23	13	12	5~8	5~8	-
32-P2M		20.37	19.86	25	16	12	5~8	5~8	-
36-P2M		22.92	22.41	28	18	14	5~9	5~9	-
40-P2M		25.46	24.95	31	20	16	5~10	5~10	8
42-P3M		26.74	26.23	35	24	18	5~12	5~12	8、10
44-P2M		28.01	27.50	33	22	18	5~12	5~12	8、10
48-P2M		30.56	30.05	35	24	18	5~12	5~12	8、10
50-P2M		31.83	31.32	35	24	22	5~15	5~15	8~13
60-P2M		38.20	37.69	44	32	28	5~19	5~19	8~18

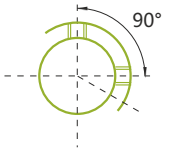
Axle hole specifications



M*Threaded hole size table: (Axle hole specifications P, N)

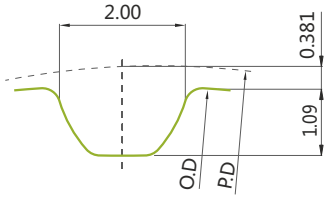
Inner diameter of dH7 axle hole	3~6.35	7~19
M coarse thread	M3	M4

Kc90 shows alteration of stop screw angle.

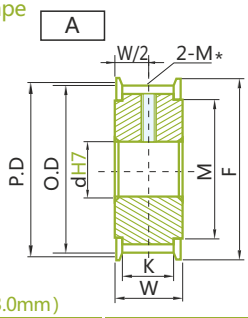


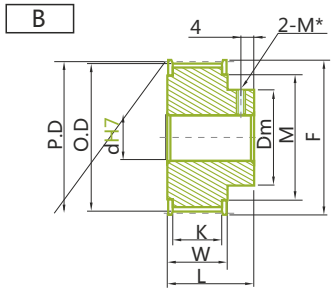
belt width	K:20	K	W	L
10=10mm	11	12	16	23
15=15mm	/	17	21	29

P3M Pulley tooth profile figure



Pulley shape





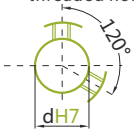
Tooth space size slightly varies according to different teeth (pitch = 3.0mm)

Type	Shape	P.D	O.D	F	M	Dm	Axle aperture dH7		
							H	P	C.N
10-P3M	C	9.55	8.79	12	6	12	-	4	-
12-P3M		11.46	10.70	14	7	15	-	4、5	-
14-P3M		13.37	12.61	15	8	17	-	4~6.35	-
15-P3M		14.32	13.56	16	9.5	17	-	4~6.35	-
16-P3M		15.28	14.52	18	11	17		4~6.35	-
18-P3M		17.19	16.43	23	13	21	-	4~6.35	-
20-P3M		19.10	18.34	23	13	25	-	4~6.35	-
22-P3M	B	21.01	20.25	25	16	12	5~8	5~8	-
24-P3M		22.92	22.16	25	16	14	5~9	5~9	-
25-P3M		23.87	23.11	28	18	14	5~9	5~9	-
26-P3M		24.83	24.07	28	18	16	6~10	6~10	8
28-P3M		26.74	25.98	31	20	18	6~12	6~12	8、10
30-P3M		28.65	27.89	33	22	18	6~12	6~12	8、10
32-P3M		30.56	29.80	35	24	18	6~12	6~12	8、10
36-P3M		34.38	33.62	40	27	24	6~16	6~16	8~14
40-P3M		38.20	37.44	44	32	26	6~18	6~18	8~15

Axle hole specifications

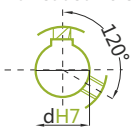
H:Round hole

P:Round hole + threaded hole



C: Key slot

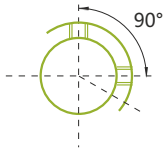
N:Key slot + threaded hole



M*Threaded hole size table: (Axle hole specifications P, N)

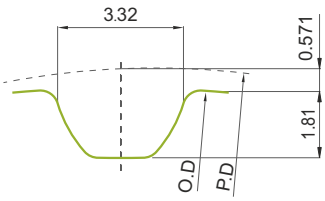
Inner diameter of dH7 axle hole	4~6.35	7~12	13~18
M coarse thread	M3	M4	M5

Kc90 shows alteration of stop screw angle.

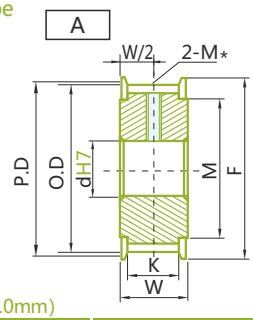


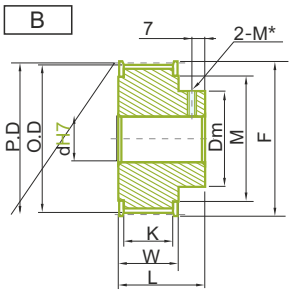
belt width	K	W	L
10=10mm	11.6	16	28
15=15mm	16.6	21	33
25=25mm	27	32	44

P5M Pulley tooth profile figure



Pulley shape

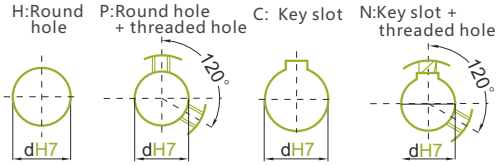




Tooth space size slightly varies according to different teeth (pitch = 5.0mm)

Type	Shape	P.D	O.D	F	M	Dm	Axle aperture dH7		
							H	P	C.N
12-P5M		19.10	17.96	23	13	11	5、6	5、6	-
14-P5M		22.28	21.14	25	16	13	5、6	5、6	8
15-P5M		23.87	22.73	28	18	15	5~10	5~8	8
16-P5M		25.46	24.32	32	20	17	5~10	5~10	8~11
18-P5M	A	28.65	27.51	33	22	19	6~12	6~12	8~11
20-P5M		31.83	30.69	35	24	19	6~12	6~12	8~15
22-P5M		35.01	33.87	40	27	25	8~17	8~17	8~15
24-P5M		38.20	37.06	44	32	25	8~17	8~17	10~18
25-P5M		39.79	38.65	44	32	30	10~20	10~20	10~18
26-P5M		41.38	40.24	48	36	30	10~20	10~20	10~20
28-P5M		44.56	43.42	48	36	32	10~22	10~22	10~22
30-P5M	B	47.75	46.61	51	36	35	12~24	12~24	12~22
32-P5M		50.93	49.79	55	39	38	12~26	12~26	12~25
34-P5M		54.11	52.97	60	46	42	12~30	12~30	12~25
36-P5M		57.30	56.16	67	50	44	12~30	12~30	12~30
40-P5M		63.66	62.52	67	50	48	12~32	12~32	12~32
44-P5M		70.03	68.89	74	58	56	15~38	15~38	15~38
48-P5M		76.39	75.25	83	63	58	15~38	15~38	15~38
50-P5M		79.58	78.44	87	68	64	15~42	15~40	15~40
60-P5M		95.48	94.34	105	84	80	15~52	15~40	15~40
72-P5M		114.59	113.45	119	100	90	15~80	15~65	15~50

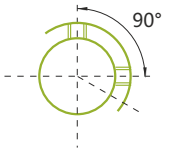
Axle hole specifications



M*Threaded hole size table: (Axle hole specifications P, N)

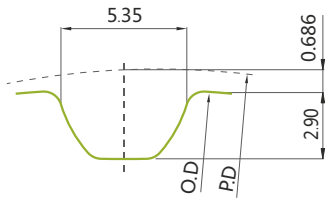
Inner diameter of dH7 axle hole	5~12	13~17	18~30	31~45	46~65
M coarse thread	M4	M5	M6	M8	M10

Kc90 shows alteration of stop screw angle.

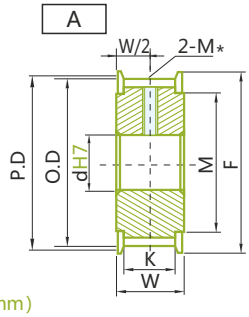


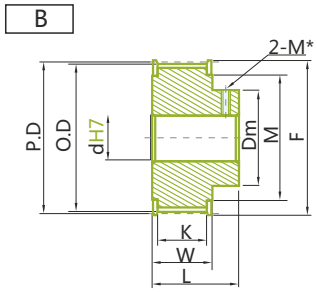
belt width	K	W	L44	L44
15=15mm	16.8	22	39	44
25=25mm	27.8	33	50	55
30=30mm	32.8	38	55	60
40=40mm	43	49	65	70

P8M Pulley tooth profile figure



Pulley shape





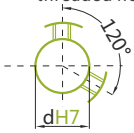
Tooth space size slightly varies according to different teeth (pitch = 8.0mm)

Type	Shape	P.D	O.D	F	M	Dm	Axle aperture dH7 H	Axle aperture dH7 P	Axle aperture dH7 C.N
20-P8M		50.93	49.56	55	39	36	12~32	12~30	12~30
22-P8M		56.02	54.65	60	46	41	12~37	12~34	12~34
24-P8M		61.12	59.75	67	50	46	12~42	12~40	12~40
26-P8M	A	66.21	64.84	74	53	51	14~50	14~45	14~45
28-P8M		71.30	69.93	80	60	55	14~52	14~48	14~48
30-P8M		76.39	75.02	87	68	60	14~59	14~50	14~50
32-P8M		81.49	80.12	87	68	65	14~59	14~55	14~50
34-P8M		86.58	85.21	94	74	70	16~67	16~60	16~50
36-P8M	B	91.67	90.30	99	78	75	16~72	16~65	16~50
40-P8M		101.86	100.49	112	90	85	20~80	20~65	20~50
44-P8M		112.05	110.68	119	100	90	20~80	20~65	20~50
48-P8M		122.23	120.86	131	111	100	20~80	20~65	20~50
50-P8M		127.32	125.95	135	115	100	20~80	20~65	20~50
60-P8M		152.79	151.42	160	140	100	20~80	20~65	20~50

Axle hole specifications

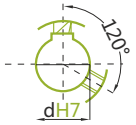
H:Round hole

P:Round hole + threaded hole



C: Key slot

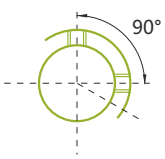
N:Key slot + threaded hole

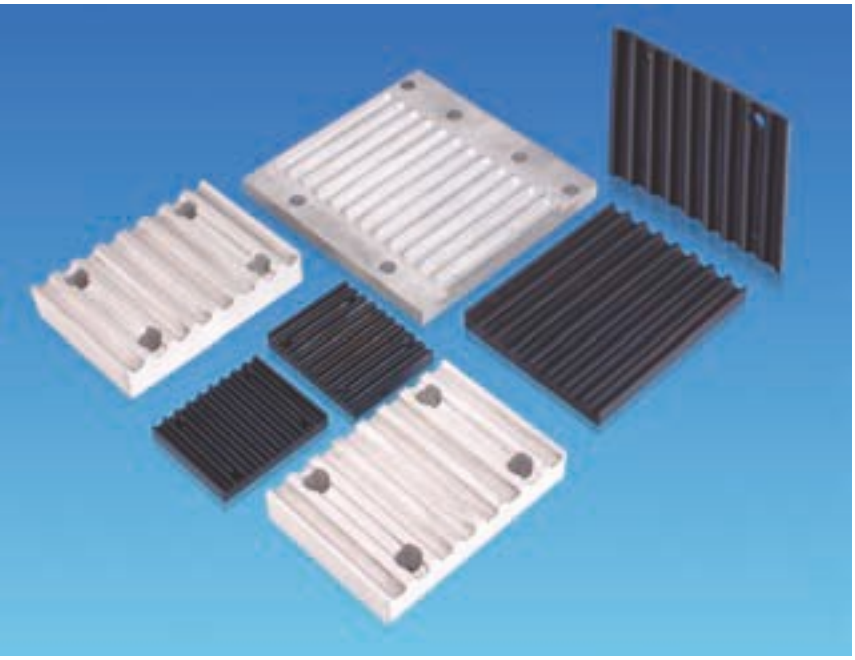


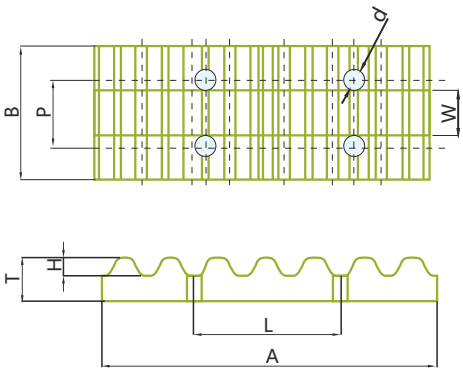
M*Threaded hole size table: (Axle hole specifications P, N)

Inner diameter of dH7 axle hole	12	13~17	18~30	31~45	46~65
M coarse thread	M4	M5	M6	M8	M10

Kc90 shows alteration of stop screw angle.







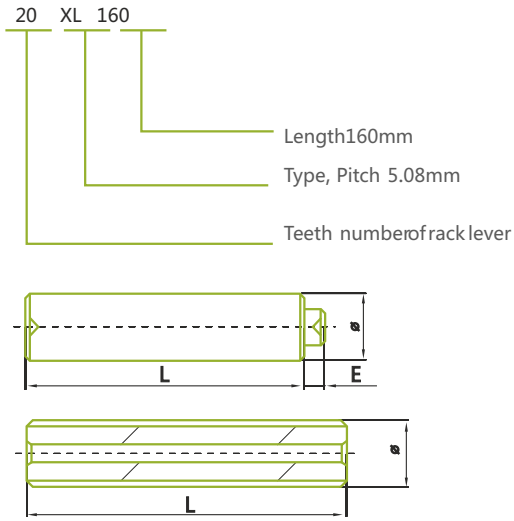
Rack specification and machining length

Type	Normal width of the belt	W	A	B	T	H	L	P	d
MXL	025	6.4	26	18	4	0.51	10	11	3.4
	037	9.5		22				14	
	050	12.7		26				18	
XL	025	6.4	36	24	6	1.25	25	12	4.5
	031	7.9		25				14	
	037	9.5		26				16	
	050	12.7		30				20	
L	050	12.7	66	32	8	1.9	50	20	5.5
	075	19.1		38				26	
	100	25.4		46				33	
	150	38.1		58				46	
H	075	19.1	89	38	10	2.3	70	26	5.5
	100	25.4		46				33	
	150	38.1		58				45	
	200	50.8		70				58	
S2M,P2M	040	4	26	16	4	0.76	10	18	3.4
	060	6		18				10	
	010	10		24				15	

Type	Normal width of the belt	W	A	B	T	H	L	P	d
3M,S3M,P3M	060	6	21	20	4	1.14	15	11	3.4
	010	10		25				15	
	150	15		30				20	
5M,S5M,P5M	100	10	35	26	6	1.81	25	16	4.5
	150	15		32				21	
	250	25		42				31	
8M,S8M,P8M	150	15	56	34	8	2.85	40	22	5.5
	250	25		44				32	
	300	30		50				37	
	400	40		60				47	
T5,AT5	100	10	35	26	6	1.2	25	16	4.5
	150	15		32				21	
	200	20		38				26	
	250	25		43				31	
T10,AT10	150	15	70	34	8	2.5	50	22	5.5
	200	20		40				27	
	250	25		44				32	
	300	30		50				37	

Toothed plate applies to both-end connection for open synchronous belt.
It fixes with the machine to fulfill the drive purpose.

Representation method



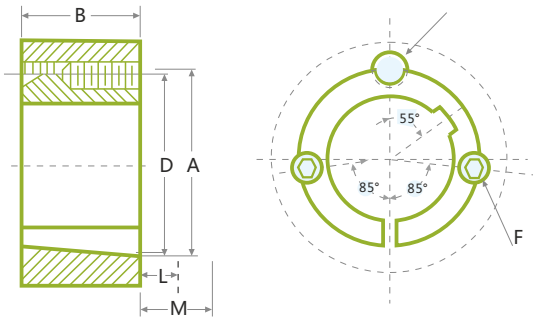
Rack lever specification and machining length

Type	Teeth number range	Length
MXL	≤16 17~38 39~79 ≥80	60 120 160 200
XL	≤16 17~31 ≥32	120 160 200
L	10~17 ≥18	160 200
H	≥14	200
XH	≥18	200
T2.5	≤14 17~32 33~62 ≥63	60 120 160 200
T5, AT5	≤16 17~32 ≥33	120 160 200
T10, AT10	10~16 ≥17	160 200
T20	≥18	200

Type	Teeth number range	Length
AT3	≤12 13~26 27~52 ≥53	60 120 160 200
2M	≤16 17~40 41~78 ≥79	60 120 160 200
3M,S3M	≤12 13~26 27~52 ≥53	60 120 160 200
S4.5M	≤18 19~35 ≥36	120 160 200
5M,S5M	≤17 18~32 ≥33	120 160 200
8M,S8M	10~16 ≥17	160 200
14M,S14M	≥28	200

1、Double ejector pins processing is applied for belowΦ100 diameter.6~8mm axis is for one end.
2、AboveΦ100 diameter applies technological hole for processing,Φ10 is for Φ100~Φ150 diameter technological hole.Φ12 is Φ100~Φ200 diameter technological hole.

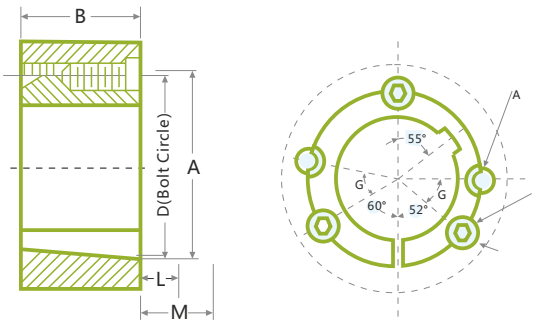
1008 to 3030 Sizes



Dimension for 1008 to 3030 TAPER-LOCK Bushings

BUSH NO.	Large end diameter A	Width B	Center circle D	SET SCREWS
1008	35.2	22.3	33.73	M6 × 12
1108	38.38	22.3	36.92	M6 × 12
1210	47.62	25.4	44.44	M10 × 16
1215	47.62	38.1	44.44	M10 × 16
1310	50.8	25.4	47.63	M10 × 16
1610	57.15	25.4	53.97	M10 × 16
1615	57.15	38.1	53.97	M10 × 16
2012	69.85	31.80	66.68	M12 × 22
2517	85.73	44.5	82.55	M12 × 22
2525	85.73	63.50	82.55	M12 × 22
3020	107.96	50.8	101.60	M16 × 28
3030	107.96	76.20	101.60	M16 × 28

3535 to 5050 Sizes



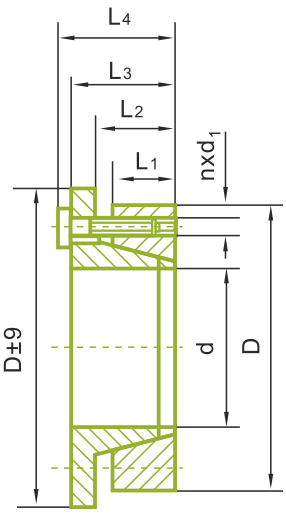
Dimension for 3535 to 5050 TAPER-LOCK Bushings

BUSH NO	A	B	C	SET SCREWS	G
3535	127	89	122.68	M12 × 40	40 °
4040	146.05	101.60	140.72	M16 × 45	40 °
4545	161.93	114.30	155.70	M20 × 50	40 °
5050	177.80	127	170.69	M20 × 57	37 °

STANDARD STOCK BORES METRIC SERIES

BUSH NO	BORE
1008	10. 11. 12. 14. 15. 16. 18. 19. 20. 22. 24.
1108	10. 11. 12. 14. 15. 16. 18. 19. 20. 22. 24. 25. 28.
1210 1215	11. 12. 14. 15. 16. 18. 19. 20. 22. 24. 25. 28. 30. 32.
1310	14. 15. 16. 18. 19. 20. 22. 24. 25. 28. 30. 32. 35.
1610 1615	14. 15. 16. 18. 19. 20. 22. 24. 25. 28. 30. 32. 35. 38. 40. 42.
2012 2017	18. 19. 20. 22. 24. 25. 28. 30. 32. 35. 38. 40. 42. 45. 48. 50.
2517 2525	20. 22. 24. 25. 28. 30. 32. 35. 38. 40. 42. 45. 48. 50. 55. 60.
3020 3030	25. 28. 30. 32. 35. 38. 40. 42. 45. 48. 50. 55. 60. 65. 70. 75.
3525 3535	35. 38. 40. 42. 45. 48. 50. 55. 60. 65. 70. 75. 80. 85. 90.
4030 4040	40. 42. 45. 48. 50. 55. 60. 65. 70. 75. 80. 85. 90. 95. 100.
4535 4545	55. 60. 65. 70. 75. 80. 85. 90. 95. 100. 105. 110.
5040 5050	60. 65. 70. 75. 80. 85. 90. 95. 100. 105. 110. 115. 120. 125.

The dimensions in inch of inner bore please refer to the catalogue of Taper-Lock Bushing



Z_8 Locking assemblies

The structural properties

Z_8 locking assemblies are fit for connecting axis with axis parts so as to transfer torque and axial force.

Mark example

Z_8 locking assemblies,
ID d=20mm,OD d=47mm
Locking assemblies Z_8-20×47
JB/T7934-1999

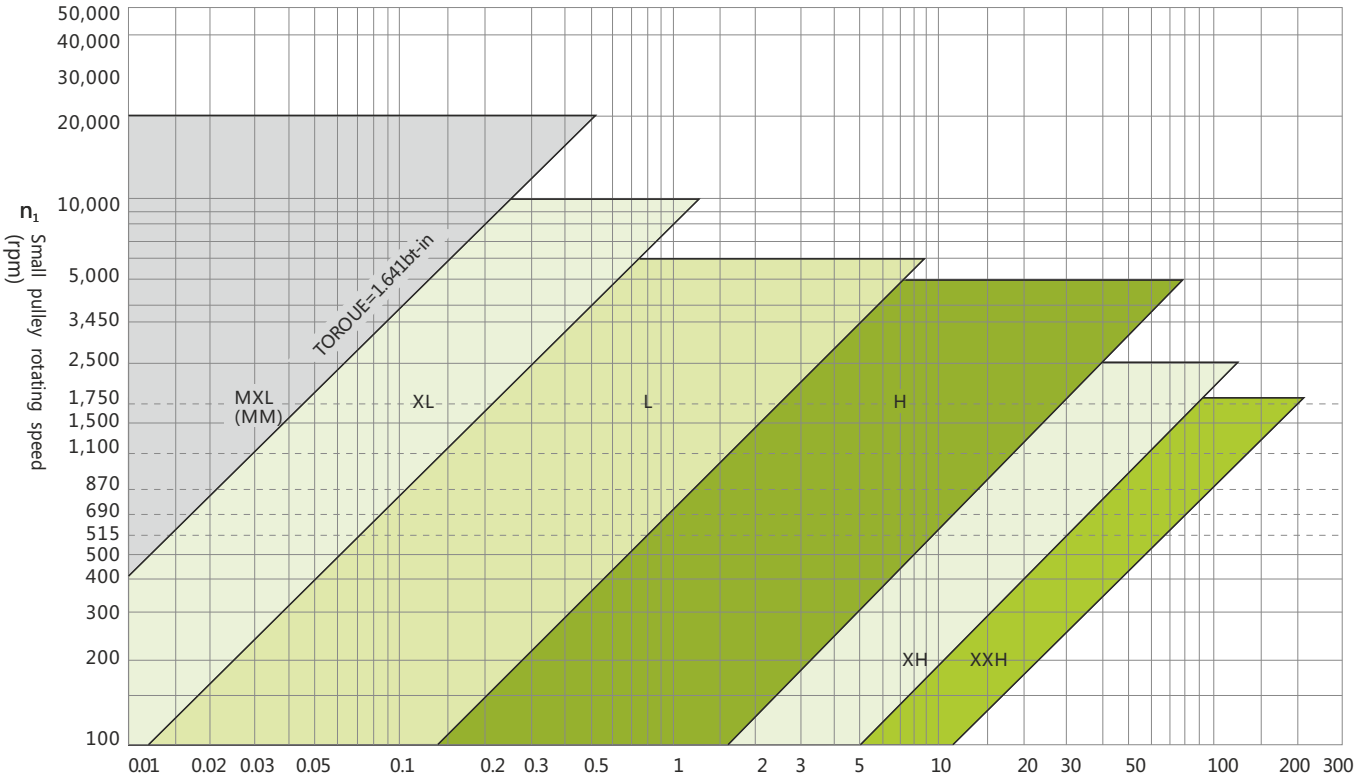
Mechanical properties classification is 12.9 grade to Z_8 locking assemblies screw.

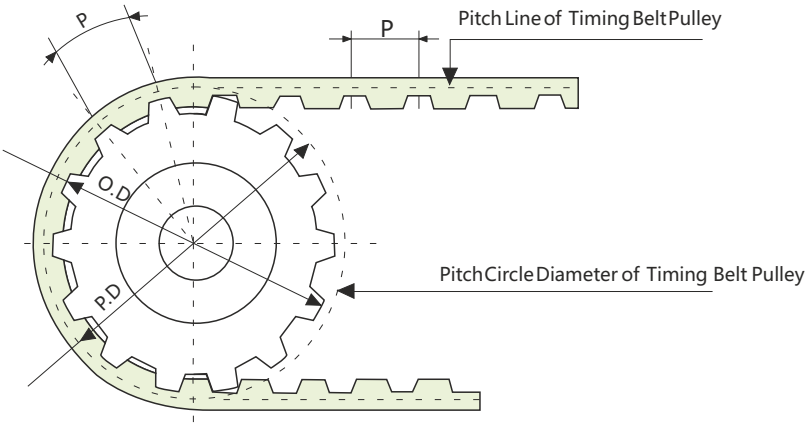
Basic dimensions and parameters of Z_8 locking assemblies (JB/T7934-1999)

Basic size								Rated load					
d	D	L_1	L_2	L_3	L_4	d_1	n	kN	kN·m	N/mm^2	N·m	kg	
mm													
20	47	17	22	28	34	M6	5	30	0.29	220	17	0.25	
22									0.32	200			
24	50						6	36	0.37	200		0.27	
25									0.45	215			
28	55								0.5	200		0.32	
30									0.54	190		0.35	
32	60						8	48	0.77	215		0.37	
35									0.84	190		0.34	
38	65								0.91	195		0.4	
40									0.96	190		0.38	
45	75	20	25	33	41	M8	7	77	1.75	230	41	0.63	
50	80								1.93	210		0.68	
55	85						8	88	2.45	215		0.73	
60	90								2.7	190		0.78	
63	95			28	41		9	100	3.18	205		0.89	
65	95			33	41				3.25	200		0.83	
70	110	24	30	40	50	M10	8	141	5	220	83	1.33	
75	115								5.25	200		1.4	
80	120								5.6	190		1.48	
85	125						9	159	6.75	200		1.55	
90	130								7.1	190		1.63	
95	135						10	176	8.35	200		1.7	
100	145	26	32	44	56	M12	8	205	10.3	210	145	2.6	
110	155								11.25	190		2.8	
120	165						9	231	13.9	210		3	
130	180	34	40	52	64		12	308	20	190		4.6	
140	190			54	68	M14	9	317	22.25	180	230	4.9	
150	200						10	352	26.3	190		5.2	
160	210						11	287	31	190		5.5	
170	225	44	50	64	78		12	422	35.9	150		7.75	
180	235								38	145		8.15	
190	250						15	528	50.1	170		9.5	
200	260						15		52.8	160		9.9	
220	285	50	56	72	88	M16	12	587	64.5	145	355	13.4	
240	305						15	734	88	165		14.3	
260	325						18	880	114	180		15.5	
280	355	60	66	84	102	M18	16	948	132	150	485	22.9	
300	375						18	1059	159	160		24.4	
320	405	74	81	101	121	M20	18	1374	220	150	690	36.1	
340	425						21	1603	272.5	175		38.4	
360	455	86	94	116	138	M22	18	1710	308	140	930	46.2	
380	475						21	1995	379	155		55	
400	495							1995	399	150		61	

TRAPEZOID TOOTH SYNCHRONOUS BELT PULLEYS

Design Horsepower (Horsepower service factor)





Pd: Designed wattage KW

Introduced standards:

GB 11361

GB 11357

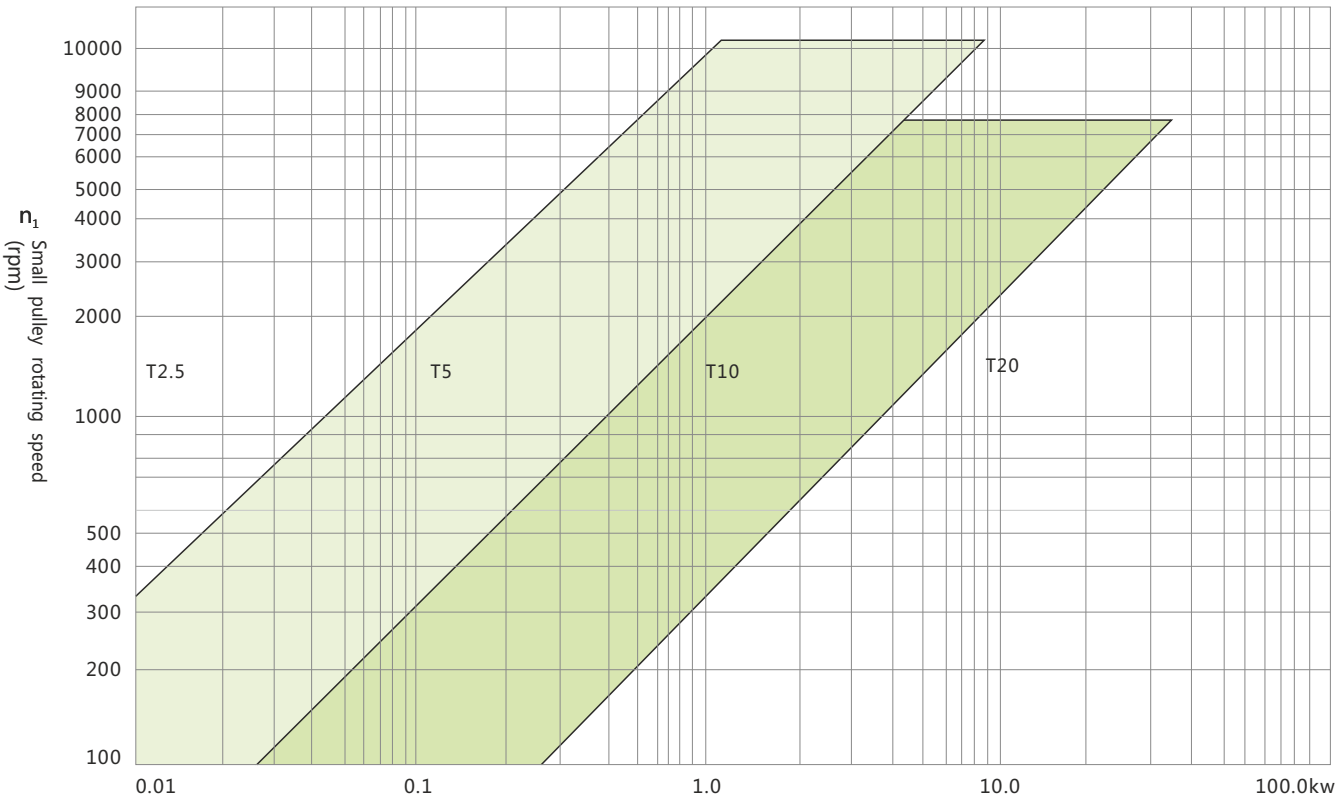
GB 11616

ISO 5294-1989

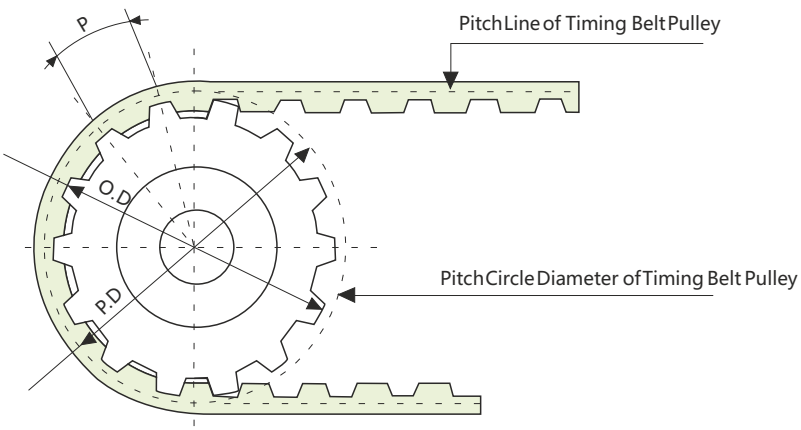
- Pitch is the distance of tow adjacent teeth of pulley or belt.
- Pitch circle diameter of belt pulley
- External diameter of pulley

T TOOTHED SYNCHRONOUS BELT PULLEYS

Design Horsepower (Horsepower service factor)



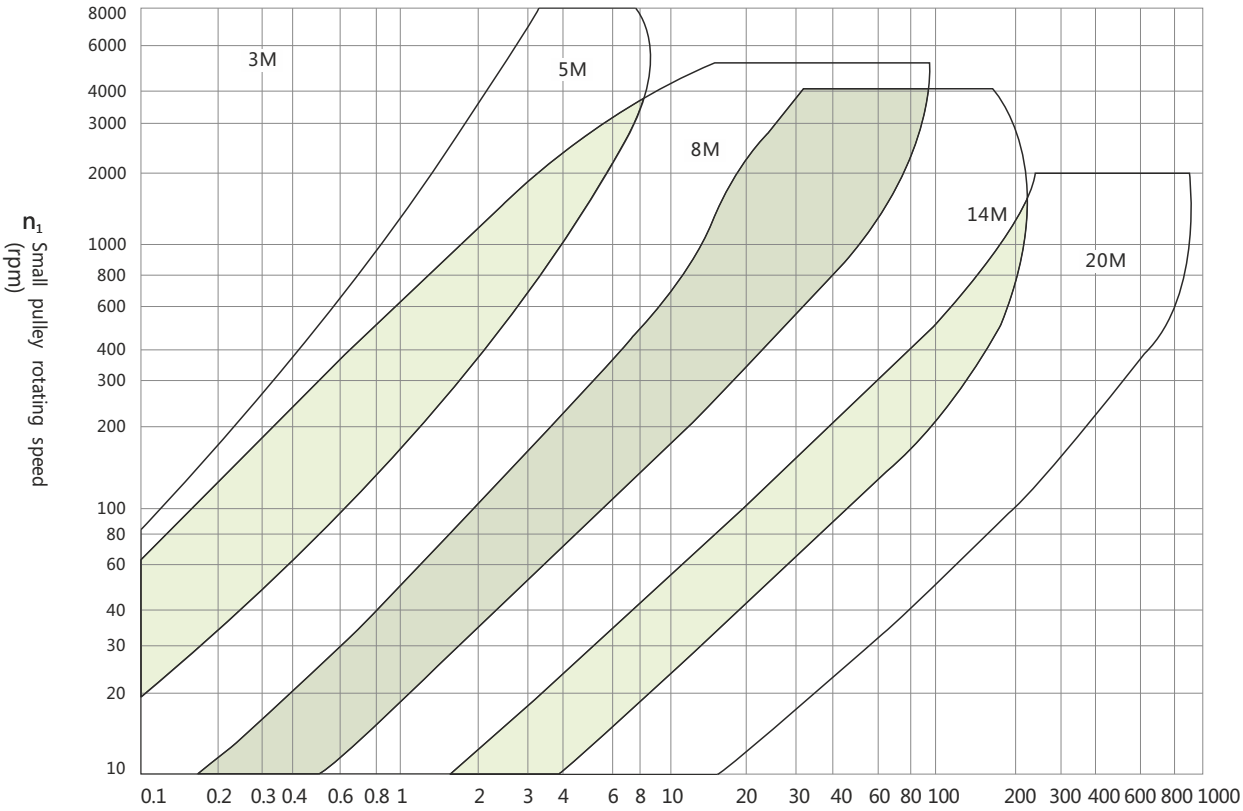
Pd: Designedwattage KW



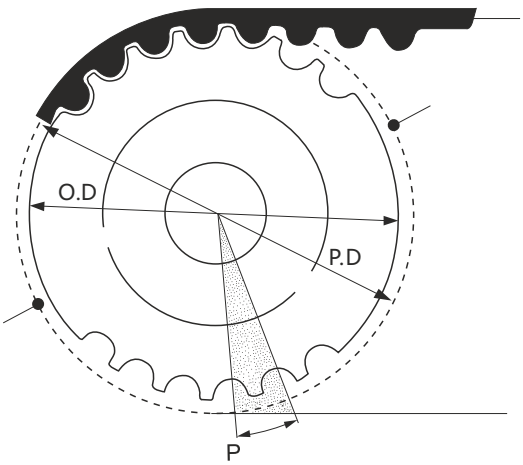
- Pitch is the distance of tow adjacent teeth of pulley or belt.
- Pitch circle diameter of belt pulley
- External diameter of pulley

ARC TOOTHED SYNCHRONOUS BELT PULLEYS

Design Horsepower (Horsepower service factor)



Pd: Designedwattage KW



There are 5 different types of pitches:

3M,5M,8M,14M and 20M.

(These products have patent, and must get approval of patent when the products are produced and sold.)

STPD/STD Synchronous belt has altogether six type pitch models.

- Pitch is the distance of tow adjacent teeth of pulley or belt.
- Pitch circle diameter of belt pulley
- External diameter of pulley

KA chart 1 the working condition coefficient K_A

Driven pulley	drive pulley					
	Ac motor(common torque squirrel cage type、synchronous motor) , dc motor(Shunt excitation) , multi-cylinder gas engine			Ac motor (big torque、big slip、single-phase、slip ring),dc motor(compound excitation, series excitation) , single cylinder gas engine		
	Operating time			Operating time		
	3-5 hours a day in intermittent use	8-10 hours a day in common use	16-24 hours a day in continuous use	3-5 hours a day in intermittent use	8-10 hours a day in common use	16-24 hours a day in continuous use
Copier, oil distributing device, testing instrument, film projector , medical appliance	1.0	1.2	1.4	1.2	1.4	1.6
Sweeper,sewing machine,office machine	1.2	1.4	1.6	1.4	1.6	1.8
Belt conveyor,light packer,oven,sifting machine, winding machine,conical shaper,woodworking-machine,band saw	1.3	1.5	1.7	1.5	1.7	1.9
Liquid mixer,powder mixer , drill press , lahte , thread producing machine,printing machine , planing machine	1.4	1.6	1.8	1.6	1.8	2.0
Liquid mixer, belt conveyor,boring lathe,grinding -machine,milling machine,gear pump,textile-machinery,centrifugal type compression pump	1.5	1.7	1.9	1.7	1.9	2.1
Elevator,spin-drier,cleaning machine,generator, exhaust fan,crane,exciting dynamo,sawmill, textile machinery	1.6	1.8	2.0	1.8	2.0	2.2
Centrifuge,flight conveyer,worm conveyer, hammering disintegrator,wood pulp processor	1.7	1.9	2.1	1.9	2.1	2.3
Clay mixer,mine using fan, blast blower,positive fan	1.8	2.0	2.2	2.0	2.2	2.4
Reciprocating compressor,ball mill, rod mill,piston pump	1.9	2.1	2.3	2.1	2.3	2.5

Note : 1、If it is gearing up please add the following factor into the K_A :

R=1~1.25 0 R=1.25~1.74 0.1
R=1.75~2.49 0.2 R=2.5~3.49 0.3
R≥3.5 0.24

2、If the blet type is 14M or 20M and n1≤600r/min please add the following factor into :

n_1≤ 200r/min,0.3; n_1≤201~400r/min,02 ; n_1≤401~600r/min,01 ;

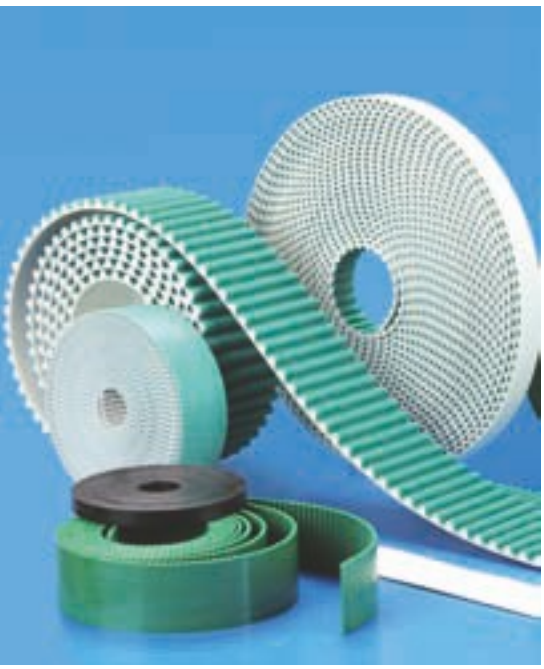
3、Regarding abnormal drives such as frequent forward / reversal rotation / serious impact / emergency stop etc., please correct situation factors according to actual circumstances.

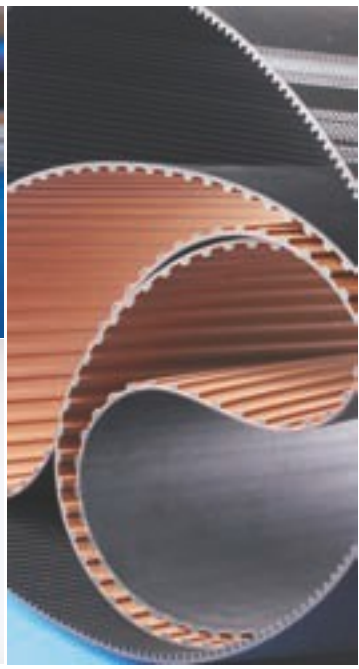
Designed procedure

Design conditions a.The type of the driver pulley and the driven pulley; b.Daily working time; c.P;nominal power P; d.N1;small pulley's rotating speed.N2;big pulley's rotating speed f.Projected centre distance; g.Special demand for the drive room.

Calculational item		Code name	Formula and data	Unit	Information
Design power		P_d	$P_d=K_AP$	KW	The factor of working conditions, see chart 1 Nominal power
The type of belt			According to n1 and Pd, choose from drawing 1, drawing 2, drawing 3, drawing 4		n1 the small pulley's rotating speed r/min
The ratio of drive		i	$i=n_1/n_2$		n2 the big pulley's rotating speed r/min
The pulley is diameter mm	Pulley teeth number	Z_1 Z_2	Confitm it according to the principle of Z1≥Zmin,It takes the round number after being calculated according to $Z_2=iZ_1$		Z1 is small pulley's teeth number, Zmin see chart 2
	The pulley's pitch diameter	d_1 d_2	It has been calculated according to $d_1=P_b*Z_1/3.1416$ It has been calculated according to $d_2=P_b*Z_2/3.1416$	mm mm	Pb is pitch, the small pulley's pitch diameter The big pulley's pitch diameter
The length of pitch line		L_P	L0:projected length of the pitch line: $L_0=2a_0+1.57(d_2+d_1)+(d_2-d_1)^2/4a_0$ Choose Lp according to Lo	mm	Projected centre distance, confirm it with the drive room
Actual center distance		a	Approximate formula is:$a=\{M+[M^2-8(d_2-d_1)^2]^{1/2}\}/8$	mm	$M=2Lp-(Z_2+Z_1)P_b$
Gear meshing tooth number coefficient		K_z	Zm≥ 6,K_z=1 Zm <6,K_z=1-0.2(6-Zm)		Zm is gear meshing tooth number Zm=ent [$Z_1/2-PbZ_1(Z_2-Z_1)/2\pi r^2$]
The factor of width		K_w	$K_w=(b_s/b_{so})^{1.14}$		
Basic rating power		P_0	It recommends to use the basic rating mini width of various models. See chart3~chart17 for P0	KW	
Rating power		p_r	$P_r=K_z*K_w*P_0$	KW	
Belt width		b_s	Confirmit according to the principle of Pd≤Pr, $b_s\geq b_{so}(P_d/K_zP_0)^{1/1.14}$	mm	Bso is datum width, see chart 18
Test the operational capability		P_r	$P_r=10^{-3}v(K_zK_wTa-b_smV^2/b_s)$ If Pr>Pd the design is good	KW	Ta,m see chart 19 $V=P_bZ_1n_1/60000$

Design summary : •The type of belt、belt length、belt width ; •The belt's code name ; •The teeth number, pitch, diameter, width of the small or big pulley ; •The type of pulley ; •The pulley's code name ; •The actual center distance



Pulley min. allowable use teeth number

Small pulley rotating speed r/min	Type						
	MXL,T2.5	XXL	XL,T5	L,T10	H	XH,T20	XXH
<900	10	10	10	12	14	22	22
900~<1200	12	12	10	12	16	24	24
1200~<1800	14	14	12	14	18	26	26
1800~<3600	16	16	12	16	20	30	--
3600~<4800	18	18	15	18	22	--	--

Small pulley rotating speed r/min	Type					
	2M,S2M	3M,S3M	S4.5M,5M,S5M	8M,S8M	14M,S14M	20M
<900	10	10	14	22	28	34
900~<1200	12	14	20	28	28	34
1200~<1800	14	16	24	32	32	38
1800~<3600	16	20	28	36	--	--
3600~<4800	20	22	30	--	--	--

Datum width bso

Type	MXL	XL	L	H	XH	XXH
Datum width bso	6.4	9.5	25.4	76.2	101.6	127
Type	3M	5M	8M	14M	20M	-
Datum width bso	6	9	20	40	115	-

Belt allowable use operating tension Ta and unit length weight

Type	Ta(N)	m (Kg/m/bso)
MXL	27.00	0.007
XXL	31.00	0.010
XL	50.17	0.022
L	244.46	0.095
H	2100.85	0.448
XH	4048.90	1.484
XXH	6398.03	2.473

MXL (Datum Rating Power) P, (Datum Width)。b=6.4$_{so}$

Small pulley rotating speed	Small pulley teeth number and pitch circle diameter)mm															
r/min	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40
	6.47	7.76	9.06	10.35	11.65	12.94	14.23	15.53	16.82	18.12	19.41	20.70	22.00	23.29	24.59	25.88
100	0.8	1.0	1.1	1.3	1.4	1.6	1.7	1.9	2.1	2.2	2.4	2.5	2.7	2.9	3.0	3.2
200	1.5	1.9	2.2	2.5	2.9	3.2	3.5	3.8	4.1	4.4	4.8	5.1	5.4	5.7	6.0	6.4
300	2.3	2.9	3.3	3.8	4.3	4.8	5.2	5.7	6.2	6.7	7.1	7.6	8.1	8.6	9.1	9.5
400	3.1	3.8	4.4	5.1	5.7	6.4	7.0	7.6	8.3	8.9	9.5	10.2	10.8	11.4	12.1	12.7
500	3.8	4.8	5.6	6.4	7.1	7.9	8.7	9.5	10.3	11.1	11.9	12.7	13.5	14.3	15.1	15.9
600	4.6	5.7	6.7	7.6	8.6	9.5	10.5	11.4	12.4	13.3	14.3	15.2	16.2	17.1	18.1	19.1
700	5.4	6.7	7.8	8.9	10.0	11.1	12.2	13.3	14.4	15.6	16.7	17.8	18.9	20.0	21.1	22.2
800	6.2	7.6	8.9	10.2	11.4	12.7	14.0	15.2	16.5	17.8	19.1	20.3	21.6	22.9	24.1	25.4
900	6.9	8.6	10.0	11.4	12.9	14.3	15.7	17.2	18.6	20.0	21.4	22.9	24.3	25.7	27.1	28.6
1000	7.7	9.5	11.1	12.7	14.3	15.9	17.5	19.1	20.6	22.2	23.8	25.4	27.0	28.6	30.2	31.7
1100	8.5	10.5	12.2	14.0	15.7	17.5	19.2	21.0	22.7	24.5	26.2	27.9	29.7	31.4	33.2	34.9
1200	9.2	11.4	13.3	15.2	17.2	19.1	21.0	22.9	24.8	26.7	28.6	30.5	32.4	34.3	36.2	38.1
1300	10.0	12.4	14.5	16.5	18.6	20.6	22.7	24.8	26.8	28.9	30.9	33.0	35.1	37.1	39.2	41.2
1400	10.8	13.3	15.6	17.8	20.0	22.2	24.4	26.7	28.9	31.1	33.3	35.5	37.8	40.0	42.2	44.4
1500	11.5	14.3	16.7	19.0	21.4	23.8	26.2	28.6	30.9	33.3	35.7	38.1	40.5	42.8	45.2	47.6
1600	12.3	15.2	17.8	20.3	22.9	25.4	27.9	30.5	33.0	35.6	38.1	40.6	43.1	45.7	48.2	50.7
1700	13.1	16.2	18.9	21.6	24.3	27.0	29.7	32.4	35.1	37.8	40.5	43.1	45.8	48.5	51.2	53.9
1800	13.8	17.1	20.0	22.9	25.7	28.6	31.4	34.3	37.1	40.0	42.8	45.7	48.5	51.4	54.2	57.0
1900	14.6	18.1	21.1	24.1	27.2	30.2	33.2	36.2	39.2	42.2	45.2	48.2	51.2	54.2	57.2	60.2
2000	15.4	19.0	22.2	25.4	28.6	31.7	34.9	38.1	41.2	44.4	47.6	50.7	53.9	57.0	60.2	63.4
2100	16.2	20.0	23.3	26.7	30.0	33.3	36.6	40.0	43.3	46.6	49.9	53.3	56.6	59.9	63.2	66.5
2200	16.9	20.9	24.5	27.9	31.4	34.9	38.4	41.9	45.4	48.8	52.3	55.8	59.3	62.7	66.2	69.7
2300	17.7	21.9	25.6	29.2	32.9	36.5	40.1	43.8	47.4	51.1	54.7	58.3	61.9	65.6	69.2	72.8
2400	18.5	22.8	26.7	30.5	34.3	38.1	41.9	45.7	49.5	53.3	57.0	60.8	64.6	68.4	72.2	75.9
2500	19.2	23.8	27.8	31.7	35.7	39.7	43.6	47.6	51.5	55.5	59.4	63.3	67.3	71.2	75.2	79.1
2600	20.0	24.8	28.9	33.0	37.1	41.2	45.3	49.5	53.6	57.7	61.8	65.9	70.0	74.0	78.1	82.2
2700	20.8	25.7	30.0	34.3	38.6	42.8	47.1	51.4	55.6	59.9	64.1	68.4	72.6	76.9	81.1	85.3
2800	21.5	26.7	31.1	35.5	40.0	44.4	48.8	53.3	57.7	62.1	66.5	70.9	75.3	79.7	84.1	88.5
2900	22.3	27.6	32.2	36.8	41.4	46.0	50.6	55.2	59.7	64.3	68.9	73.4	78.0	82.5	87.1	91.6
3000	23.1	28.6	33.3	38.1	42.8	47.6	52.3	57.1	61.8	66.5	71.2	75.9	80.7	85.3	90.1	94.7
3100	–	–	–	39.3	44.3	49.2	54.0	58.9	63.8	68.7	73.6	78.4	83.3	88.2	93.0	97.8
3200	–	–	–	40.6	45.7	50.7	55.8	60.8	65.9	70.9	75.9	80.9	86.0	91.0	96.0	101.0
3300	–	–	–	41.9	47.1	52.3	57.5	62.7	67.9	73.1	78.3	83.4	88.6	93.8	98.9	104.1
3400	–	–	–	43.1	48.5	53.9	59.2	64.6	70.0	75.3	80.6	86.0	91.3	96.6	101.9	107.2
3500	–	–	–	44.4	50.0	55.5	61.0	66.5	72.0	77.5	83.0	88.5	93.9	99.4	104.9	110.3
3600	–	–	–	45.7	51.4	57.0	62.7	68.4	74.0	79.7	85.3	91.0	96.6	102.2	107.8	113.4
3700	–	–	–	46.9	52.8	58.6	64.4	70.3	76.1	81.9	87.7	93.5	99.2	105.0	110.8	116.5
3800	–	–	–	48.2	54.2	60.2	66.2	72.2	78.1	84.1	90.0	95.9	101.9	107.8	113.7	119.5
3900	–	–	–	49.5	55.6	61.8	67.9	74.1	80.2	86.3	92.4	98.4	104.5	110.6	116.6	122.6
4000	–	–	–	50.7	57.1	63.4	69.6	75.9	82.2	88.5	94.7	100.9	107.2	113.4	119.6	125.7
4100	–	–	–	52.0	58.5	64.9	71.4	77.8	84.2	90.7	97.1	103.4	109.8	116.1	122.5	128.8
4200	–	–	–	53.3	59.9	66.5	73.1	79.7	86.3	92.9	99.4	105.9	112.4	118.9	125.4	131.8
4300	–	–	–	54.5	61.3	68.1	74.8	81.6	88.3	95.1	101.7	108.4	115.1	121.7	128.3	134.9
4400	–	–	–	55.8	62.7	69.7	76.5	83.5	90.3	97.2	104.1	110.9	117.7	124.5	131.3	138.0
4500	–	–	–	57.0	64.2	71.2	78.3	85.4	92.4	99.4	106.4	113.3	120.3	127.2	134.2	141.0
4600	–	–	–	58.3	65.6	72.8	80.0	87.2	94.4	101.6	108.7	115.8	122.9	130.0	137.1	144.1
4700	–	–	–	59.6	67.0	74.4	81.7	89.1	96.4	103.8	111.0	118.3	125.6	132.8	140.0	147.1
4800	–	–	–	60.8	68.4	75.9	83.4	91.0	98.4	105.9	113.4	120.8	128.2	135.5	142.9	150.1
4900	–	–	–	62.1	69.8	77.5	85.2	92.9	100.5	108.1	115.7	123.2	130.8	138.3	145.8	153.2
5000	–	–	–	63.3	71.2	79.1	86.9	94.7	102.5	110.3	118.0	125.7	133.4	141.0	148.6	156.2

XL Pitch 5.080mm Datum Width 9.5mm(Datum Rating Power) P ,KW

Small pulley rotating speed	Small pulley teeth number and pitch circle diameter)mm									
r/min	10	12	14	16	18	20	22	24	28	30
	16.17	19.40	22.64	25.87	29.11	32.34	35.57	38.81	45.28	48.51
950	0.040	0.048	0.057	0.065	0.073	0.081	0.089	0.097	0.113	0.121
1160	0.049	0.059	0.069	0.079	0.089	0.098	0.108	0.118	0.138	0.147
1425	–	0.073	0.085	0.097	0.109	0.121	0.133	0.145	0.169	0.181
1750	–	0.089	0.104	0.119	0.134	0.148	0.163	0.178	0.207	0.221
2850	–	0.145	0.169	0.193	0.216	0.240	0.263	0.287	0.333	0.355
3450	–	0.175	0.204	0.232	0.261	0.289	0.317	0.345	0.399	0.425
100	0.004	0.005	0.006	0.007	0.008	0.009	0.009	0.010	0.012	0.013
200	0.009	0.010	0.012	0.014	0.015	0.017	0.019	0.020	0.024	0.026
300	0.013	0.015	0.018	0.020	0.023	0.026	0.028	0.031	0.036	0.038
400	0.017	0.020	0.024	0.027	0.031	0.034	0.037	0.041	0.048	0.051
500	0.021	0.026	0.030	0.034	0.038	0.043	0.047	0.051	0.060	0.064
600	0.026	0.031	0.036	0.041	0.046	0.051	0.056	0.061	0.071	0.076
700	0.030	0.036	0.042	0.048	0.054	0.060	0.065	0.071	0.083	0.089
800	0.034	0.041	0.048	0.054	0.061	0.068	0.075	0.082	0.095	0.102
900	0.038	0.046	0.054	0.061	0.069	0.076	0.084	0.092	0.107	0.115
1000	0.043	0.051	0.060	0.068	0.076	0.085	0.093	0.102	0.119	0.127
1100	0.047	0.056	0.065	0.075	0.084	0.093	0.103	0.112	0.131	0.140
1200	–	0.061	0.071	0.082	0.092	0.102	0.112	0.122	0.142	0.152
1300	–	0.066	0.077	0.088	0.099	0.110	0.121	0.132	0.154	0.165
1400	–	0.071	0.083	0.095	0.107	0.119	0.131	0.142	0.166	0.178
1500	–	0.076	0.089	0.102	0.115	0.127	0.140	0.152	0.178	0.190
1600	–	0.082	0.095	0.109	0.122	0.136	0.149	0.163	0.189	0.203
1700	–	0.087	0.101	0.115	0.130	0.144	0.158	0.173	0.201	0.215
1800	–	0.092	0.107	0.122	0.137	0.152	0.168	0.183	0.213	0.228
2000	–	0.102	0.119	0.136	0.152	0.169	0.186	0.203	0.236	0.252
2200	–	0.112	0.131	0.149	0.168	0.186	0.204	0.223	0.259	0.277
2400	–	0.122	0.142	0.163	0.183	0.203	0.223	0.242	0.282	0.301
2600	–	0.132	0.154	0.176	0.198	0.219	0.241	0.262	0.304	0.325
2800	–	0.142	0.166	0.189	0.213	0.236	0.259	0.282	0.327	0.349
3000	–	0.152	0.178	0.203	0.228	0.252	0.277	0.301	0.349	0.373
3200	–	0.163	0.189	0.206	0.242	0.269	0.295	0.321	0.371	0.396
3400	–	0.173	0.201	0.229	0.257	0.285	0.312	0.340	0.393	0.420
3600	–	0.183	0.213	0.242	0.272	0.301	0.330	0.359	0.415	0.443
3800	–	–	–	0.256	0.287	0.317	0.348	0.378	0.436	0.465
4000	–	–	–	0.269	0.301	0.333	0.365	0.396	0.458	0.487
4200	–	–	–	0.282	0.316	0.349	0.382	0.415	0.478	0.509
4400	–	–	–	0.295	0.330	0.365	0.400	0.433	0.499	0.531
4600	–	–	–	0.308	0.345	0.381	0.417	0.452	0.519	0.552
4800	–	–	–	0.321	0.359	0.396	0.433	0.470	0.539	0.573

LPitch 9.525mmDatum Width 25.4mm(Datum Rating Power) P, KW

Small pulley rotating speed r/min	Small pulley teeth number and pitch circle diametermm														
	12	14	16	18	20	22	24	26	28	30	32	36	40	44	48
	36.38	42.45	48.51	54.57	60.64	66.70	72.77	78.83	84.89	90.90	97.02	109.15	121.28	133.40	145.53
725	0.34	0.39	0.45	0.51	0.56	0.62	0.67	0.73	0.78	0.84	0.90	1.01	1.12	1.23	1.33
870	0.40	0.47	0.54	0.61	0.67	0.74	0.81	0.87	0.94	1.01	1.07	1.20	1.33	1.46	0.59
950	0.44	0.52	0.59	0.66	0.73	0.81	0.88	0.95	1.03	1.10	1.17	1.31	1.45	1.59	1.73
1160	0.54	0.63	0.72	0.81	0.90	0.98	1.07	1.16	1.25	1.33	1.42	1.59	1.76	1.93	2.09
1425	–	0.77	0.88	0.99	1.10	1.20	1.31	1.42	1.52	1.63	1.73	1.94	2.14	2.34	2.53
1750	–	0.95	1.08	1.21	1.34	1.47	1.60	1.73	1.86	1.98	2.11	2.35	2.59	2.81	3.03
2850	–	–	1.73	1.94	2.14	2.34	2.53	2.72	2.90	3.08	3.25	3.57	3.86	4.11	4.33
3450	–	–	2.08	2.32	2.55	2.78	3.00	3.21	3.40	3.59	3.77	4.09	4.35	4.56	4.69
100	0.05	0.05	0.06	0.07	0.08	0.09	0.09	0.10	0.11	0.12	0.12	0.14	0.16	0.17	0.19
200	0.09	0.11	0.12	0.14	0.16	0.17	0.19	0.20	0.22	0.23	0.25	0.28	0.31	0.34	0.37
300	0.14	0.16	0.19	0.21	0.23	0.26	0.28	0.30	0.33	0.35	0.37	0.42	0.47	0.51	0.56
400	0.19	0.22	0.25	0.28	0.31	0.34	0.37	0.40	0.43	0.47	0.50	0.56	0.62	0.68	0.74
500	0.23	0.27	0.31	0.35	0.39	0.43	0.47	0.50	0.54	0.58	0.62	0.70	0.77	0.85	0.93
600	0.28	0.33	0.37	0.42	0.4	0.51	0.56	0.60	0.65	0.70	0.74	0.83	0.93	1.02	1.11
700	0.33	0.38	0.43	0.49	0.54	0.60	0.65	0.70	0.76	0.81	0.87	0.97	1.08	1.18	1.29
800	0.37	0.43	0.50	0.56	0.62	0.68	0.74	0.80	0.86	0.93	0.99	1.11	1.23	1.35	1.47
900	0.42	0.49	0.56	0.63	0.70	0.77	0.83	0.90	0.97	1.04	1.11	1.24	1.38	1.51	1.65
1000	0.47	0.54	0.62	0.70	0.77	0.85	0.93	1.00	1.08	1.15	1.23	1.38	1.53	1.67	1.82
1100	0.51	0.60	0.68	0.77	0.85	0.93	1.02	1.10	1.18	1.27	1.35	1.51	1.68	1.83	1.99
1200	0.56	0.65	0.74	0.83	0.93	1.02	1.11	1.20	1.29	1.38	1.47	1.65	1.82	1.99	2.16
1300	0.60	0.70	0.80	0.90	1.00	1.10	1.20	1.30	1.39	1.49	1.59	1.78	1.96	2.15	2.33
1400	0.65	0.76	0.87	0.97	1.08	1.18	1.29	1.39	1.50	1.60	1.70	1.91	2.11	2.30	2.49
1500	0.70	0.81	0.93	1.04	1.15	1.27	1.38	1.49	1.60	1.71	1.82	2.04	2.25	2.45	2.65
1600	0.74	0.87	0.99	1.11	1.23	1.35	1.47	1.59	1.70	1.82	1.94	2.16	2.38	2.60	2.81
1700	0.79	0.92	1.05	1.18	1.30	1.43	1.56	1.68	1.81	1.93	2.05	2.29	2.52	2.74	2.96
1800	0.83	0.97	1.11	1.24	1.38	1.51	1.65	1.78	1.91	2.04	2.16	2.41	2.65	2.88	3.11
1900	0.88	1.03	1.17	1.31	1.45	1.59	1.73	1.87	2.01	2.14	2.27	2.53	2.78	3.02	3.25
2000	0.93	1.08	1.23	1.38	1.53	1.67	1.82	1.96	2.11	2.25	2.38	2.65	2.91	3.15	3.39
2200	1.02	1.18	1.35	1.51	1.68	1.83	1.99	2.15	2.30	2.45	2.60	2.88	3.16	3.41	3.65
2400	1.11	1.28	1.47	1.65	1.82	1.99	2.16	2.33	2.49	2.65	2.81	3.11	3.69	3.65	3.89
2600	1.20	1.39	1.59	1.78	1.96	2.15	2.33	2.51	2.68	2.85	3.01	3.32	3.61	3.87	4.10
2800	1.29	1.50	1.70	1.91	2.11	2.30	2.49	2.68	2.86	3.03	3.20	3.52	3.81	4.07	4.29
3000	1.38	1.60	1.82	2.04	2.25	2.45	2.65	2.85	3.03	3.21	3.39	3.71	4.00	4.24	4.45
3200	–	1.70	1.94	2.16	2.38	2.60	2.81	3.01	3.20	3.39	3.56	3.89	4.17	4.40	4.58
3400	–	1.81	2.05	2.29	2.52	2.74	2.96	3.17	3.37	3.55	3.73	4.05	4.32	4.53	4.67
3600	–	1.91	2.16	2.41	2.65	2.88	3.11	3.32	3.52	3.71	3.89	4.20	4.45	4.63	4.74
3800	–	2.01	2.27	2.53	2.78	3.02	3.25	3.47	3.67	3.86	4.03	4.33	4.56	4.70	4.76
4000	–	2.11	2.38	2.65	2.91	3.15	3.39	3.61	3.81	4.00	4.17	4.45	4.65	4.75	4.75
4200	–	–	2.49	2.77	3.03	3.28	3.52	3.74	3.94	4.13	4.29	4.55	4.71	4.76	4.70
4400	–	–	2.60	2.88	3.16	3.41	3.65	3.87	4.07	4.24	4.40	4.63	4.75	4.74	4.60
4600	–	–	2.70	3.00	3.27	3.53	3.77	3.99	4.18	4.35	4.49	4.69	4.76	4.69	4.46
4800	–	–	2.81	3.11	3.39	3.65	3.89	4.10	4.29	4.45	4.58	4.74	4.75	4.60	4.27

HPitch 12.7mmDatum Width 76.2mm(Datum Rating Power) P, KW

Small pulley rotating speed r/min	Small pulley teeth number and pitch circle diametermm													
	14	16	18	20	22	24	26	28	30	32	36	40	44	48
	56.60	64.68	72.77	80.85	88.94	97.02	105.11	113.19	121.28	129.36	145.53	161.70	177.87	194.04
725	4.51	5.15	5.79	6.43	7.08	7.71	8.35	8.99	9.63	10.26	11.53	12.79	14.05	15.30
870	5.41	6.18	6.95	7.71	8.48	9.25	10.01	10.77	11.53	12.29	13.80	15.30	16.78	18.26
950	–	6.74	7.58	8.42	9.26	10.09	10.92	11.75	12.58	13.40	15.04	16.66	18.28	19.87
1160	–	8.23	9.25	10.26	11.28	12.29	13.30	14.30	15.30	16.29	18.26	20.21	22.13	24.03
1425	–	–	11.33	12.57	13.81	15.04	16.26	17.47	18.68	19.87	22.24	24.56	26.83	29.06
1750	–	–	13.88	15.38	16.88	18.36	19.83	21.29	22.73	24.16	26.95	29.67	32.30	34.84
2850	–	–	–	24.56	26.84	29.06	31.22	33.33	35.37	37.33	41.04	44.40	47.39	49.96
3450	–	–	–	29.29	31.90	34.41	36.82	39.13	41.32	43.38	47.09	50.20	52.64	54.35
100	0.62	0.71	0.80	0.59	0.98	1.07	1.16	1.24	1.33	1.42	1 .60	1.78	1.96	2.13
200	1.25	1.42	1.60	1.78	1.96	2.13	2.31	2.49	2.67	2.84	3.20	3.56	3.91	4.27
300	1.87	2.13	2.40	2.67	2.93	3.20	3.47	3.73	4.00	4.27	4.80	5.33	5.86	3.39
400	2.49	2.84	3.20	3.65	3.91	4.27	4.62	4.97	5.33	5.68	6.39	7.10	7.80	8.51
500	3.11	3.56	4.00	4.44	4.89	5.33	5.77	6.21	6.66	7.10	7.98	8.86	9.74	10.61
600	3.73	4.27	4.80	5.33	5.86	6.39	6.92	7.45	7.89	8.51	9.56	10.61	11.66	12.71
700	4.35	4.97	5.59	5.21	6.83	7.45	8.07	8.68	9.30	9.91	11.14	12.36	13.57	14.78
800	4.97	5.68	6.39	7.10	7.80	8.51	9.21	9.91	10.61	11.31	12.71	14.09	15.47	16.83
900	–	6.39	7.19	7.98	8.77	9.56	10.35	11.14	11.92	12.71	14.26	15.81	17.35	18.7
1000	–	7.10	7.98	8.86	9.74	10.61	11.49	12.36	13.23	14.09	15.81	17.52	19.20	20.87
1100	–	7.80	8.77	9.74	10.70	11.66	12.62	13.57	14.52	15.47	17.35	19.20	21.04	22.85
1200	–	8.51	9.56	10.61	11.66	12.71	13.75	14.78	15.81	16.83	17.87	20.87	22.85	24.80
1300	–	9.21	10.35	11.49	12.62	13.74	14.87	15.98	17.09	18.19	20.38	22.53	24.64	26.72
1400	–	9.91	11.14	12.36	13.57	14.78	15.98	17.18	18.36	19.54	21.87	24.61	26.40	28.59
1500	–	10.61	11.92	13.23	14.52	15.81	17.09	18.36	19.62	20.87	23.34	25.76	28.13	30.43
1600	–	11.31	12.71	14.09	15.47	16.83	18.19	19.54	20.88	22.20	24.80	27.35	29.82	32.23
1700	–	12.01	13.49	14.95	16.41	17.85	19.29	20.71	22.12	23.51	26.24	28.90	31.48	33.98
1800	–	12.71	14.26	15.81	17.35	18.87	20.38	21.87	23.34	24.80	27.66	30.43	33.11	35.68
1900	–	13.40	15.04	16.66	18.28	19.87	21.46	23.02	24.56	26.08	29.06	31.93	34.69	37.33
2000	–	14.09	15.81	17.52	19.20	20.87	22.53	24.16	25.76	27.35	30.43	33.40	36.24	38.93
2100	–	–	16.58	18.36	20.13	21.87	23.59	25.28	26.95	28.59	31.78	34.84	37.74	40.47
2200	–	–	17.35	19.20	21.04	22.85	24.64	26.40	28.13	29.82	33.11	36.24	39.19	41.96
2300	–	–	18.11	20.04	21.95	23.83	25.68	27.50	29.29	31.03	34.41	37.60	40.60	43.38
2400	–	–	18.87	20.87	22.85	24.80	26.72	28.59	30.43	32.23	35.68	38.93	41.96	44.73
2500	–	–	19.62	21.70	23.75	25.76	27.74	29.67	31.56	33.40	36.92	40.22	43.26	46.02
2600	–	–	20.38	22.53	24.64	26.72	28.75	30.73	32.67	34.55	38.14	41.47	44.51	47.24
2800	–	–	21.87	24.16	26.40	28.59	30.73	32.82	34.84	36.79	40.47	43.84	46.84	49.95
3000	–	–	23.35	25.76	28.13	30.43	32.67	34.84	26.93	38.93	42.67	46.02	48.93	51.35
3200	–	–	24.80	27.35	29.82	32.23	34.55	36.79	38.93	40.97	44.73	48.01	50.75	52.91
3400	–	–	26.24	28.90	31.49	33.98	36.38	38.67	40.85	42.91	46.64	49.79	52.30	54.11
3600	–	–	–	30.43	33.11	35.68	38.14	40.47	42.68	44.73	48.38	51.35	53.55	54.92
3800	–	–	–	31.93	34.69	37.33	39.84	42.20	44.40	46.43	49.96	52.67	54.49	55.33
4000	–	–	–	33.40	36.24	38.93	41.47	43.84	46.02	48.01	51.35	53.75	55.10	55.31
4200	–	–	–	34.84	37.74	40.47	43.03	45.39	47.53	49.45	52.55	54.66	55.37	54.84
4400	–	–	–	36.24	39.19	41.96	44.51	46.84	48.93	50.75	53.55	55.10	55.27	53.90
4600	–	–	–	37.60	40.60	43.38	45.92	48.20	50.20	51.91	54.35	55.36	54.78	52.46
4800	–	–	–	38.93	41.96	44.73	47.24	49.45	51.35	52.91	54.92	55.31	53.90	50.50

XHPitch 22.225mmDatum Width 101.6mm(Datum Rating Power) P, KW

Small pulley rotating speed r/min	Small pulley teeth number and pitch circle diametermm						
	22	24	26	28	30	32	40
	155.64	169.79	183.94	198.08	212.23	226.38	282.98
575	18.82	20.50	22.17	23.83	25.48	27.13	33.58
585	19.14	20.85	22.55	24.23	25.91	27.58	34.13
690	22.50	24.49	26.47	28.43	30.38	32.30	39.81
725	23.62	25.70	27.77	29.81	31.84	33.85	41.65
870	28.18	30.63	33.05	35.44	37.80	40.13	49.01
950	30.66	33.30	35.91	38.47	41.00	43.47	52.85
1160	37.02	40.13	43.17	46.13	49.01	51.81	62.06
1425	44.70	48.28	51.73	55.05	58.22	61.24	71.52
1750	53.44	57.40	61.14	64.62	67.83	70.74	79.12
2850	–	78.45	80.45	81.36	81.10	79.57	–
3450	–	81.37	70.10	78.90	71.62	64.10	–
100	3.30	3.60	3.90	4.20	4.50	4.80	5.99
200	6.59	7.19	7.79	8.39	8.98	9.58	11.96
300	9.88	10.77	11.66	12.55	13.44	14.33	17.7
400	13.15	14.33	15.51	16.69	17.87	19.04	23.69
500	16.40	17.87	19.33	20.79	22.24	23.69	29.39
600	19.62	21.37	23.11	24.84	26.56	28.26	34.95
700	22.82	24.84	26.84	28.3	30.80	32.75	40.34
800	25.99	28.26	30.52	32.75	34.95	37.13	45.52
900	29.11	31.64	34.13	36.59	39.01	41.39	50.47
1000	32.19	34.95	37.67	40.34	42.96	45.52	55.17
1100	35.23	38.21	41.13	43.99	46.78	49.50	59.57
1200	38.21	41.39	44.50	47.53	50.47	53.32	63.65
1300	41.13	44.50	47.78	50.95	54.02	56.96	67.39
1400	43.99	47.53	50.96	54.25	57.40	60.41	70.74
1500	46.78	50.47	54.02	57.40	60.62	63.65	73.70
1600	49.50	53.32	56.98	60.41	63.65	66.67	76.22
1700	52.15	56.07	59.78	63.26	66.48	69.45	8.27
1800	54.71	58.71	62.46	65.93	69.11	71.98	79.84
1900	57.18	61.24	65.00	68.43	71.52	74.24	80.88
2000	59.57	63.65	67.39	70.74	73.70	76.22	81.37
2100	61.85	65.94	69.61	72.85	76.63	77.90	81.28
2200	64.04	68.09	71.67	74.76	77.30	79.27	80.59
2300	66.12	70.10	73.56	76.44	78.71	80.32	79.26
2400	68.09	71.98	75.26	77.90	79.84	81.02	77.26
2500	–	73.70	76.78	79.12	80.67	81.37	74.56
2600	–	75.26	78.09	80.09	81.19	81.35	71.15
2800	–	77.90	80.09	81.24	81.28	80.13	–
3000	–	79.84	81.19	81.28	80.00	77.26	–
3200	–	81.02	81.35	80.13	77.26	72.60	–
3400	–	81.41	80.48	77.11	72.95	66.05	–
3600	–	80.94	78.24	73.94	66.98	–	–

When you need select the power value marked with dotted lines, and the pulley peripheral velocity is above 33m/s, the pulley should be made from iron.

XXHPitch 31.75mmDatum Width 127mm(Datum Rating Power) P, KW

Small pulley rotating speed r/min	Small pulley teeth number and pitch circle diametermm					
	22	24	26	30	34	40
	222.34	242.55	262.76	303.19	343.62	404.25
575	42.09	45.76	49.39	56.52	63.45	73.41
585	42.79	46.52	50.12	57.44	64.46	74.53
690	50.11	54.40	58.62	66.83	74.70	85.74
725	52.51	56.98	61.36	69.87	77.97	89.25
870	62.23	67.36	72.34	81.85	90.66	102.38
950	67.41	72.85	78.10	88.01	97.01	108.55
1160	80.31	86.35	92.06	102.38	111.05	120.49
1425	94.35	101.13	106.80	116.11	122.36	125.12
1750	109.43	115.05	119.53	124.72	124.25	111.30
100	7.44	8.122	8.80	10.15	11.50	13.52
200	14.87	16.21	17.55	20.23	22.91	26.90
300	22.24	24.24	26.23	30.20	34.14	39.99
400	29.54	32.18	34.80	39.99	45.12	52.67
500	36.75	39.99	43.21	49.55	55.76	64.78
600	43.85	47.66	51.42	58.80	65.96	76.19
700	50.80	55.14	59.41	67.70	75.64	86.75
800	57.59	62.41	67.12	76.19	84.72	96.33
900	64.19	69.44	74.53	84.20	93.10	104.78
1000	70.58	76.19	81.58	91.67	100.71	111.97
1100	76.54	82.64	88.26	98.56	107.45	117.75
1200	82.64	88.75	94.50	104.79	113.25	121.98
1300	88.26	94.50	100.28	110.30	118.00	124.53
1400	93.57	99.86	105.56	115.05	121.63	125.24
1500	98.56	104.78	110.30	118.98	124.06	123.99
1600	103.19	109.26	114.36	121.98	125.18	120.62
1700	107.45	113.24	118.00	124.06	124.93	115.00
1800	111.31	116.71	120.88	125.12	123.20	106.99

When you need select the power value marked with dotted lines, and the pulley peripheral velocity is above 33m/s, the pulley should be made from iron.

3M (6mm) (Datum Rating Power) Po, KW

Z1	10	12	14	16	18	20	24	28	32	40	48	56	64	72	80
d_1/mm	9.55	11.46	13.37	15.28	17.19	19.10	22.92	26.74	30.56	38.20	45.48	53.48	61.12	68.75	76.39
20	0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.003	0.003	0.004	0.006	0.007	0.008	0.008	0.008
40	0.002	0.002	0.002	0.003	0.003	0.003	0.004	0.005	0.006	0.009	0.011	0.013	0.015	0.017	0.019
60	0.002	0.003	0.003	0.004	0.005	0.005	0.007	0.008	0.010	0.013	0.017	0.020	0.023	0.025	0.028
100	0.004	0.005	0.006	0.007	0.008	0.009	0.011	0.013	0.016	0.021	0.028	0.033	0.038	0.042	0.047
200	0.008	0.010	0.011	0.013	0.015	0.017	0.022	0.027	0.032	0.043	0.055	0.066	0.075	0.084	0.094
300	0.011	0.013	0.016	0.018	0.021	0.024	0.030	0.036	0.043	0.058	0.074	0.087	0.100	0.112	0.125
400	0.013	0.016	0.019	0.023	0.026	0.030	0.037	0.045	0.053	0.071	0.090	0.107	0.122	0.138	0.153
500	0.016	0.019	0.023	0.027	0.031	0.035	0.044	0.053	0.062	0.083	0.106	0.125	0.143	0.161	0.179
600	0.018	0.022	0.027	0.031	0.035	0.040	0.050	0.060	0.071	0.095	0.120	0.142	0.163	0.183	0.203
700	0.020	0.025	0.030	0.035	0.040	0.045	0.056	0.068	0.080	0.106	0.134	0.159	0.181	0.204	0.227
800	0.023	0.028	0.033	0.039	0.044	0.050	0.062	0.075	0.088	0.117	0.148	0.174	0.199	0.224	0.249
870	0.024	0.030	0.035	0.041	0.047	0.053	0.066	0.080	0.094	0.124	0.157	0.185	0.211	0.238	0.264
900	0.025	0.030	0.036	0.042	0.048	0.055	0.068	0.082	0.096	0.127	0.160	0.189	0.216	0.243	0.270
1000	0.027	0.033	0.039	0.046	0.052	0.059	0.073	0.088	0.104	0.137	0.173	0.204	0.233	0.262	0.291
1160	0.030	0.037	0.044	0.051	0.059	0.066	0.082	0.099	0.116	0.153	0.192	0.226	0.258	0.291	0.323
1200	0.031	0.038	0.045	0.052	0.060	0.068	0.084	0.101	0.119	0.156	0.197	0.232	0.265	0.298	0.330
1400	0.035	0.043	0.051	0.059	0.068	0.076	0.094	0.113	0.133	0.175	0.219	0.258	0.295	0.331	0.368
1450	0.036	0.044	0.052	0.061	0.069	0.078	0.097	0.116	0.137	0.179	0.225	0.264	0.302	0.339	0.377
1600	0.039	0.047	0.056	0.065	0.075	0.084	0.104	0.125	0.147	0.192	0.241	0.283	0.323	0.363	0.403
1750	0.042	0.051	0.060	0.070	0.080	0.090	0.112	0.134	0.157	0.205	0.256	0.301	0.344	0.386	0.429
1800	0.042	0.052	0.062	0.072	0.082	0.092	0.114	0.136	0.160	0.209	0.261	0.307	0.351	0.394	0.437
2000	0.046	0.056	0.067	0.077	0.089	0.100	0.123	0.148	0.173	0.226	0.281	0.331	0.377	0.423	0.469
2400	0.053	0.065	0.077	0.089	0.102	0.115	0.141	0.169	0.197	0.257	0.319	0.375	0.427	0.479	0.530
2800	0.060	0.073	0.086	0.100	0.114	0.129	0.158	0.189	0.221	0.287	0.355	0.416	0.474	0.530	0.586
3200	0.066	0.081	0.096	0.111	0.126	0.142	0.175	0.209	0.243	0.315	0.389	0.455	0.517	0.578	0.638
3600	0.073	0.088	0.105	0.121	0.138	0.155	0.191	0.227	0.265	0.342	0.421	0.492	0.558	0.622	0.685
4000	0.079	0.096	0.113	0.131	0.150	0.168	0.206	0.245	0.285	0.368	0.451	0.526	0.596	0.663	0.727
5000	0.094	0.114	0.134	0.155	0.177	0.198	0.243	0.288	0.334	0.427	0.521	0.603	0.678	0.749	0.814
6000	0.108	0.131	0.154	0.178	0.202	0.227	0.277	0.327	0.378	0.481	0.581	0.667	0.743	0.812	0.871
7000	0.121	0.147	0.173	0.200	0.227	0.254	0.309	0.364	0.419	0.528	0.631	0.718	0.790	0.850	0.896
8000	0.134	0.163	0.191	0.221	0.250	0.279	0.339	0.398	0.456	0.569	0.673	0.754	0.816	0.861	0.885
10000	0.159	0.192	0.226	0.259	0.293	0.326	0.393	0.457	0.519	0.631	0.724	0.781	0.804	0.792	0.729
12000	0.182	0.220	0.257	0.295	0.332	0.368	0.438	0.505	0.566	0.666	0.729	0.739	0.691	0.582	–
14000	0.204	0.245	0.286	0.327	0.366	0.404	0.476	0.541	0.596	0.670	0.683	0.616	–	–	–

Small pulley rotating speed r/min

5M (9mm) (Datum Rating Power) Po, KW

Z1	14	16	18	20	24	28	32	36	40	44	48	56	64	72	80
d_1/mm	22.28	25.46	28.65	31.83	38.20	44.56	50.93	57.30	63.66	70.03	76.39	89.13	101.86	114.59	127.32
20	0.004	0.005	0.006	0.007	0.009	0.011	0.013	0.015	0.017	0.020	0.023	0.027	0.031	0.034	0.038
40	0.009	0.011	0.012	0.014	0.018	0.021	0.026	0.030	0.035	0.040	0.045	0.054	0.061	0.069	0.077
60	0.013	0.016	0.018	0.021	0.026	0.032	0.038	0.045	0.052	0.060	0.068	0.080	0.092	0.103	0.115
100	0.022	0.026	0.030	0.035	0.044	0.054	0.064	0.075	0.087	0.100	0.113	0.134	0.153	0.172	0.192
200	0.045	0.053	0.061	0.069	0.088	0.107	0.128	0.150	0.174	0.199	0.226	0.268	0.306	0.345	0.383
300	0.061	0.072	0.083	0.094	0.119	0.145	0.172	0.202	0.233	0.266	0.300	0.356	0.407	0.458	0.509
400	0.076	0.090	0.103	0.117	0.147	0.179	0.213	0.249	0.286	0.326	0.368	0.436	0.498	0.561	0.623
500	0.091	0.106	0.122	0.139	0.174	0.211	0.251	0.292	0.336	0.382	0.430	0.510	0.583	0.656	0.728
600	0.104	0.122	0.140	0.159	0.199	0.241	0.286	0.334	0.383	0.435	0.489	0.580	0.662	0.745	0.827
700	0.117	0.137	0.158	0.179	0.223	0.271	0.321	0.373	0.428	0.485	0.545	0.646	0.738	0.829	0.921
800	0.130	0.152	0.174	0.198	0.247	0.299	0.353	0.411	0.471	0.533	0.598	0.709	0.809	0.910	1.010
870	0.139	0.162	0.186	0.211	0.263	0.318	0.376	0.437	0.500	0.566	0.634	0.751	0.858	0.965	1.071
900	0.142	0.166	0.191	0.216	0.269	0.326	0.385	0.447	0.512	0.580	0.650	0.769	0.879	0.987	1.096
1000	0.154	0.180	0.206	0.234	0.291	0.352	0.416	0.483	0.552	0.625	0.699	0.828	0.945	1.062	1.178
1160	0.173	0.201	0.231	0.262	0.326	0.393	0.464	0.537	0.614	0.694	0.776	0.918	1.047	1.176	1.304
1200	0.177	0.207	0.237	0.268	0.334	0.403	0.475	0.551	0.629	0.710	0.794	0.939	1.072	1.204	1.334
1400	0.199	0.232	0.266	0.301	0.375	0.451	0.532	0.615	0.702	0.791	0.884	1.044	1.191	1.336	1.480
1450	0.205	0.239	0.274	0.309	0.384	0.463	0.545	0.631	0.720	0.811	0.905	1.071	1.220	1.368	1.515
1600	0.221	0.257	0.295	0.333	0.414	0.498	0.586	0.677	0.771	0.869	0.969	1.144	1.303	1.461	1.617
1750	0.236	0.275	0.315	0.356	0.442	0.532	0.625	0.722	0.822	0.925	1.030	1.215	1.384	1.550	1.713
1800	0.242	0.281	0.322	0.364	0.451	0.543	0.638	0.736	0.838	0.943	1.050	1.239	1.410	1.578	1.745
2000	0.262	0.305	0.349	0.394	0.488	0.586	0.688	0.794	0.902	1.014	1.128	1.329	1.511	1.689	1.864
2400	0.301	0.393	0.400	0.451	0.558	0.669	0.784	0.902	1.024	1.148	1.274	1.479	1.697	1.891	2.079
2800	0.338	0.434	0.449	0.506	0.625	0.748	0.874	1.004	1.137	1.272	1.408	1.649	1.863	2.067	2.262
3200	0.374	0.474	0.496	0.559	0.688	0.822	0.960	1.100	1.242	1.386	1.531	1.786	2.008	2.217	2.411
3600	0.409	0.513	0.541	0.609	0.749	0.893	1.040	1.190	1.340	1.492	1.644	1.908	2.134	2.340	2.526
4000	0.443	0.605	0.585	0.658	0.808	0.961	1.116	1.274	1.431	1.589	1.745	2.015	2.238	2.436	2.604
5000	0.523	0.690	0.688	0.772	0.943	1.115	1.288	1.459	1.628	1.792	1.951	2.212	2.402	2.541	2.623
6000	0.598	0.769	0.783	0.877	1.064	1.250	1.433	1.510	1.778	1.973	2.084	2.301	2.411	2.434	2.358
7000	0.669	0.843	0.870	0.971	1.171	1.365	1.550	1.722	1.880	2.019	2.137	2.268	2.245	2.084	1.766
8000	0.735	0.972	0.950	.1.057	1.264	1.459	1.637	1.794	1.927	2.031	2.010	2.100	1.882	–	–
10000	0.854	1.078	1.088	1.199	1.403	1.577	1.714	1.804	1.842	1.819	1.729	–	–	–	–
12000	0.956	1.158	1.193	1.299	1.476	1.594	1.643	1.609	–	–	–	–	–	–	–
14000	1.039		1.354	1.473	1.495	1.403	–	–	–	–	–	–	–	–	–

Small pulley rotating speed r/min

8M (20mm) (Datum Rating Power) Po, KW

Z1	22	24	26	28	30	32	34	36	38	40	44	48	56	64	72	80
d_1/mm	56.02	61.12	66.21	71.30	76.38	81.49	86.58	91.67	96.77	101.86	112.05	122.23	142.60	162.97	183.35	203.72
10	0.02	0.02	0.02	0.03	0.04	0.04	0.07	0.08	0.08	0.09	0.10	0.10	0.12	0.14	0.16	0.18
20	0.04	0.04	0.05	0.06	0.07	0.08	0.14	0.14	0.16	0.17	0.19	0.19	0.22	0.26	0.30	0.33
40	0.07	0.09	0.10	0.12	0.14	0.16	0.25	0.27	0.29	0.13	0.34	0.37	0.42	0.48	0.54	0.60
60	0.12	0.13	0.15	0.17	0.21	0.25	0.36	0.38	0.41	0.44	0.48	0.51	0.59	0.68	0.76	0.85
100	0.19	0.22	0.25	0.28	0.34	0.41	0.54	0.58	0.63	0.68	0.74	0.79	0.92	1.04	1.18	1.31
200	0.37	0.41	0.47	0.55	0.66	0.78	0.96	1.04	1.12	1.21	1.31	1.42	1.63	1.86	2.08	2.31
300	0.53	0.59	0.67	0.79	0.94	1.13	1.33	1.44	1.56	1.67	1.82	1.96	2.28	2.57	2.87	3.18
400	0.69	0.76	0.87	1.01	1.20	1.45	1.66	1.81	1.95	2.10	2.28	2.47	2.86	3.22	3.59	3.96
500	0.83	0.92	1.04	1.20	1.43	1.73	1.96	2.15	2.33	2.50	2.72	2.94	3.39	3.82	4.24	4.67
600	0.98	1.07	1.20	1.38	1.64	1.99	2.25	2.47	2.68	2.87	3.13	3.37	3.90	4.37	4.85	5.32
700	1.14	1.25	1.35	1.54	1.83	2.22	2.51	2.77	3.01	3.23	3.51	3.79	4.37	4.89	5.41	5.92
800	1.31	1.42	1.54	1.69	1.99	2.41	2.75	3.05	3.32	3.56	3.86	4.18	4.82	5.38	5.92	6.46
900	1.42	1.54	1.68	1.81	2.10	2.54	2.92	3.24	3.54	3.78	4.11	4.44	4.12	5.70	6.27	6.81
1000	1.63	1.78	1.92	2.07	2.26	2.73	3.21	3.57	3.90	4.18	4.54	4.89	5.63	6.25	6.85	7.42
1160	1.89	2.06	2.23	2.40	2.57	2.95	3.54	3.95	4.33	4.63	5.03	5.42	6.22	6.87	7.48	8.04
1200	1.95	2.13	2.31	2.48	2.66	3.02	3.61	4.04	4.43	4.74	5.14	5.54	6.36	7.01	7.62	8.18
1400	2.28	2.48	2.69	2.89	3.10	3.23	3.97	4.46	4.92	5.26	5.69	6.12	7.00	7.66	8.25	8.76
1600	2.60	2.83	3.07	3.30	3.54	3.77	4.28	4.83	5.36	5.72	6.18	6.65	7.56	8.20	7.72	9.06
1750	2.84	3.10	3.36	3.61	3.86	4.11	4.48	5.09	5.65	6.05	6.53	7.00	7.92	8.51	8.89	9.71
2000	3.25	3.54	3.83	4.11	4.40	4.68	4.97	5.43	6.11	6.53	7.02	7.50	8.39	8.97	9.94	10.85
2400	3.88	4.23	4.57	4.91	5.25	5.59	5.92	6.25	6.68	7.15	7.62	8.17	9.37	10.50	11.53	12.48
2800	4.51	4.91	5.30	5.70	6.09	6.47	6.85	7.23	7.59	7.96	8.68	9.37	10.68	11.86	12.91	13.82
3200	–	–	6.03	6.47	6.90	7.33	7.75	8.17	8.58	8.97	9.75	10.50	11.86	13.05	14.05	14.81
3500	–	–	–	–	7.50	7.96	8.41	8.86	9.28	9.71	10.52	11.29	12.67	13.82	–	–
4000	–	–	–	–	–	8.97	9.47	9.94	10.41	10.85	11.70	12.48	13.82	–	–	–
4500	–	–	–	–	–	–	10.46	10.96	11.44	11.91	12.76	13.51	–	–	–	–
5000	–	–	–	–	–	–	–	11.91	12.39	12.85	–	–	–	–	–	–
5500	–	–	–	–	–	–	–	–	13.23	13.67	–	–	–	–	–	–

Small pulley rotating speed r/min

Please try to avoid selecting the power value under the thick line because of the service life.

14M (40mm) (Datum Rating Power) P, KW

Z1	28	29	30	32	34	36	38	40	44	48	56	64	72	80
d_1/mm	124.78	129.23	133.69	142.60	151.52	160.43	169.34	178.25	196.08	213.90	249.55	285.21	320.86	365.51
10	0.18	0.19	0.19	0.21	0.23	0.27	0.32	0.377	0.41	0.45	0.52	0.60	0.68	0.78
20	0.37	0.38	0.39	0.42	0.46	0.53	0.63	0.75	0.83	0.90	1.05	1.20	1.35	1.57
40	0.73	0.75	0.78	0.84	0.93	1.06	1.27	1.50	1.65	1.81	2.10	2.40	2.70	3.13
60	1.10	1.13	1.17	1.25	1.39	1.59	1.91	2.25	2.48	2.70	3.16	3.60	4.05	4.70
100	1.83	1.89	1.95	2.08	2.31	2.65	3.18	3.75	4.13	4.51	5.25	6.01	6.75	7.83
200	3.65	3.77	3.91	4.12	4.63	5.30	6.36	7.34	8.25	9.00	10.50	12.00	13.50	15.64
300	5.01	5.25	5.54	5.74	6.87	7.94	9.12	9.86	11.28	13.07	15.73	17.97	20.21	22.89
400	6.14	6.51	6.90	7.24	8.57	10.44	11.21	12.09	13.71	15.73	19.36	22.29	24.63	27.04
500	7.19	7.67	8.17	8.65	10.15	12.23	13.11	14.10	15.88	18.05	22.13	25.24	27.83	30.50
600	8.16	8.76	9.36	9.98	11.63	13.89	14.85	15.94	17.84	20.13	24.56	27.76	30.54	33.40
700	9.08	9.78	10.48	11.25	13.02	15.43	16.46	17.64	19.64	22.01	26.71	29.93	32.85	35.83
800	9.95	10.75	11.56	12.46	14.33	16.85	17.97	19.22	21.29	23.71	28.60	31.79	34.79	37.84
870	10.54	11.41	12.27	13.27	15.21	17.80	18.96	20.25	22.37	24.80	29.80	32.94	35.96	39.16
1000	11.59	12.57	13.55	14.72	16.76	19.64	20.69	22.05	24.21	26.65	31.76	34.73	37.73	40.72
1160	12.81	13.92	15.02	16.40	18.54	21.31	22.63	24.06	26.23	28.63	33.75	36.37	39.25	42.01
1200	13.11	14.25	15.37	16.80	21.75	23.08	24.53	26.69	29.08	34.17	36.73	39.52	42.19	–
1400	14.53	15.79	17.05	18.70	21.94	23.77	25.17	27.67	29.79	35.06	37.90	39.87	40.21	42.28
1600	15.78	17.24	18.59	20.45	22.72	25.54	26.98	28.51	30.53	32.60	33.00	38.20	39.84	–
1750	16.84	18.25	19.66	21.65	23.92	26.71	28.17	29.70	31.60	33.49	37.40	37.91	–	–
2000	18.40	19.84	21.29	23.46	25.69	28.38	29.83	31.32	32.97	34.47	37.31	36.44	–	–
2400	20.82	22.08	23.52	25.83	27.91	30.30	31.66	33.00	34.72	35.14	–	–	–	–
2800	23.48	24.11	25.30	27.52	29.34	31.31	32.47	33.53	33.72	33.33	–	–	–	–
3200	–	26.36	26.91	28.51	29.97	31.41	32.24	32.88	–	–	–	–	–	–
3500	–	–	28.25	29.07	29.94	30.92	31.40	–	–	–	–	–	–	–
4000	–	–	–	30.17	29.27	–	–	–	–	–	–	–	–	–

Small pulley rotating speed r/min

Please try to avoid selecting the power value under the thick line because of the service life.

20M (115mm) (Datum Rating Power) Po, KW

Z1		34	36	38	40	44	48	52	56	60	64	68	72	80	90
d_1/mm		216.45	229.18	241.92	254.65	280.11	305.58	331.04	356.51	381.97	407.44	432.90	458.37	509.30	572.96
Small pulley rotating speed r/min	10	2.01	2.16	2.31	2.46	2.69	2.98	3.21	3.43	3.66	3.80	4.03	4.18	4.55	5.00
	20	4.03	4.33	4.55	4.85	5.45	5.89	6.42	6.86	7.31	7.68	8.06	8.18	9.17	10.00
	30	6.04	6.49	6.86	7.31	8.13	8.88	9.62	10.29	10.97	11.49	12.09	12.61	13.73	15.07
	40	7.98	8.58	9.18	9.77	10.82	11.79	12.70	13.80	14.55	15.37	16.11	16.86	18.28	20.07
	50	10.00	10.74	11.41	12.16	13.50	14.77	15.96	17.23	18.20	19.17	20.14	21.04	22.90	25.06
	60	12.01	12.91	13.73	14.62	16.26	17.68	19.17	20.14	21.86	22.97	24.17	25.29	27.45	30.06
	80	16.04	17.23	18.28	19.47	21.63	23.57	25.59	27.53	29.17	30.66	32.15	33.64	36.55	40.06
	100	19.99	2.48	22.90	24.32	27.08	29.54	31.93	34.39	36.40	38.34	40.21	42.07	45.73	50.06
	150	30.06	32.23	34.32	36.48	40.58	44.24	47.89	51.62	54.61	57.44	60.28	63.0	68.48	74.97
	200	40.06	41.78	45.73	48.64	54.01	58.93	63.80	68.71	72.66	76.47	80.20	83.93	91.09	99.67
	300	57.96	62.29	66.17	70.35	78.93	87.80	93.53	99.14	104.66	110.04	115.26	120.40	130.40	142.34
	400	73.03	78.33	83.15	88.40	98.99	110.04	16.97	123.76	130.40	136.82	143.08	149.20	160.99	174.79
	500	87.06	93.25	98.99	105.11	117.57	130.40	138.35	146.14	153.68	160.99	168.00	174.79	187.69	202.46
	600	100.19	107.27	113.77	120.70	134.73	149.20	–	166.58	174.79	182.62	190.16	197.32	210.75	225.67
	730	116.15	124.21	131.59	139.43	155.32	171.58	–	190.38	199.11	207.31	215.00	222.23	235.21	248.57
	800	124.28	132.86	140.62	148.83	165.54	182.62	192.62	201.94	210.75	218.95	226.56	233.57	245.73	257.37
	870	132.04	141.07	149.20	157.85	175.31	193.06	203.21	212.61	221.26	229.40	236.78	243.35	254.31	263.64
	970	142.64	152.18	160.76	169.94	188.29	206.87	–	226.34	234.77	242.30	248.94	254.61	263.04	–
	1170	161.88	172.33	181.58	191.42	210.97	230.51	261.55	248.27	255.13	260.58	264.61	267.07	267.44	–
	1200	164.57	175.09	184.49	194.33	214.03	233.57	266.70	250.88	257.37	262.37	265.87	267.74	266.47	–
	1460	185.46	196.57	206.19	216.27	235.96	254.98	267.96	265.95	266.96	267.52	268.46	–	–	–
	1600	194.93	206.12	215.59	225.52	244.54	263.37	–	268.04	266.47	–	–	–	–	–
	1750	203.66	214.7	223.60	233.27	251.03	266.99	–	268 .35	–	–	–	–	–	–
	2000	214.92	225.14	233.13	241.26	225.36	266.47	–	–	–	–	–	–	–	–

Please try to avoid selecting the power value under the thick line because of the service life.

T2.5 (Datum Rating Power) P, KW

n_1,r/min	Z_1																				
	10	11	12	13	14	15	16	17	18	19	20	22	24	26	28	30	32	34	36	38	40
600	2.0	2.1	2.3	2.5	2.7	2.9	3.1	3.3	3.5	3.8	4.1	4.4	4.8	5.2	5.6	6.0	6.4	6.8	7.2	7.6	18.0
800	2.5	2.8	3.0	3.3	3.6	3.9	4.2	4.4	4.7	5.0	5.4	5.8	6.3	6.8	7.4	8.0	8.5	9.0	9.5	10.0	10.5
1000	2.9	3.2	3.5	3.8	4.2	4.5	4.8	5.2	5.5	5.8	6.2	6.7	7.3	7.8	8.4	9.0	9.6	10.2	11.0	11.7	12.5
1200	3.5	3.8	4.3	4.7	5.0	5.4	5.8	6.2	6.6	7.1	7.6	8.1	8.8	9.6	10.4	11.0	11.8	12.6	13.4	14.2	15.0
1400	4.1	4.5	5.0	5.4	5.9	6.4	6.9	7.3	7.7	8.2	8.9	9.5	10.4	11.3	12.2	13.0	13.8	14.7	15.6	16.6	17.5
1600	4.7	5.1	5.6	6.1	6.7	7.2	7.7	8.2	8.8	9.4	10.1	10.8	11.8	12.9	14.0	15.0	16.0	17.0	18.0	19.0	20.0
1800	5.3	5.8	6.4	7.0	7.6	8.0	8.5	9.0	9.5	10.4	11.3	12.2	13.3	14.5	15.6	16.8	17.9	19.0	20.2	21.3	22.5
2000	5.9	6.4	7.0	7.7	8.4	8.9	9.5	10.0	10.5	11.5	12.5	13.5	14.8	16.1	17.3	18.6	19.9	21.2	22.5	23.8	25.0
2200	6.0	6.5	7.2	7.9	8.7	9.2	9.8	10.4	11.0	11.9	12.8	13.8	15.2	16.6	18.0	19.5	21.1	22.6	24.1	25.2	26.3
2400	6.3	7.0	7.7	8.5	9.3	9.9	10.7	11.3	12.0	12.8	13.5	14.3	15.8	17.3	18.9	20.5	21.9	23.4	24.8	26.3	27.5
2600	6.5	7.2	8.0	8.8	9.7	10.2	11.0	11.7	12.4	13.2	14.0	14.7	16.1	17.8	19.5	21.2	22.8	24.5	25.9	27.6	28.3
2800	6.9	7.6	8.4	9.2	10.1	10.6	11.4	12.1	12.8	13.7	14.6	15.6	17.1	18.6	20.2	21.8	26.8	24.7	26.3	23.1	29.0
3000	7.2	7.9	8.8	9.7	10.6	11.4	12.1	12.9	13.7	14.6	15.5	16.3	18.0	19.9	21.7	23.3	24.6	26.0	27.4	23.7	30.0
3200	7.4	8.1	9.0	9.9	10.9	11.5	12.2	13.1	14.1	15.0	15.8	16.7	18.5	20.3	22.2	24.0	25.6	27.2	28.9	30.0	31.0
3400	7.7	8.4	9.3	10.2	11.1	11.8	12.7	13.6	14.5	15.4	16.3	17.3	19.1	20.9	22.7	24.6	26.1	27.6	29.1	30.5	32.0
3600	8.0	8.8	9.6	10.5	11.4	12.1	13.0	13.9	14.8	15.9	16.9	18.3	20.0	21.8	23.6	25.2	27.0	28.8	30.6	31.9	33.5
3800	8.4	9.2	10.1	11.1	12.1	12.8	13.7	14.6	15.5	16.7	18.1	19.3	21.1	23.0	24.8	26.6	28.4	30.2	32.0	33.8	35.5
4000	8.9	9.8	10.7	11.7	12.7	13.6	14.5	15.5	16.5	17.7	19.0	20.3	22.2	24.1	26.0	28.0	29.9	31.8	33.7	35.6	37.5
4200	9.3	10.3	11.3	12.3	13.3	14.3	15.3	16.3	17.3	18.7	20.1	21.4	23.4	25.4	27.4	29.4	31.4	33.4	35.4	37.4	39.4
4400	9.6	10.7	11.8	12.9	14.0	15.0	16.0	17.1	18.2	19.4	20.6	21.8	23.9	26.0	28.1	30.2	32.4	34.7	37.0	39.1	41.3
4600	9.9	10.9	12.0	13.1	14.2	15.2	16.2	17.3	18.4	19.8	21.0	22.2	24.2	26.3	28.4	30.5	32.7	35.0	37.3	39.5	41.7
4800	10.2	11.2	12.2	13.3	14.4	15.4	16.4	17.5	18.6	20.0	21.3	22.7	24.6	26.6	28.7	30.8	33.0	35.3	37.6	39.8	42.2
5000	10.5	11.5	12.5	13.5	14.5	15.5	16.6	17.7	18.8	20.3	21.8	23.2	25.2	27.2	29.2	31.1	33.5	35.8	38.2	40.4	42.8
5200	10.8	11.7	12.7	13.7	14.7	15.7	16.8	17.9	19.1	20.6	22.1	23.5	25.6	27.8	30.0	32.3	34.5	36.7	38.9	41.1	43.3
5400	11.1	12.0	12.9	13.8	14.8	15.9	17.1	18.2	19.4	20.9	22.5	23.9	26.0	28.2	30.4	32.7	35.3	37.9	40.5	43.0	45.5
5600	11.4	12.3	13.2	14.1	15.0	16.2	17.4	18.6	19.8	21.5	23.1	24.7	26.3	28.5	30.8	331	35.8	38.6	41.4	44.0	46.7
5800	11.7	12.6	13.5	14.3	15.2	16.4	17.7	18.9	20.1	21.8	23.5	25.1	26.7	28.9	31.2	33.5	36.5	39.4	42.4	45.4	48.4
6000	11.9	12.8	13.7	14.5	15.4	16.6	17.9	19.1	20.4	22.1	23.9	25.5	27.1	29.3	31.7	34.0	37.2	40.4	43.6	46.8	50.0
6200	12.0	12.9	13.8	14.7	15.6	16.8	18.1	19.4	20.8	22.5	24.3	25.8	27.4	29.6	32.1	34.4	37.6	40.9	44.1	47.3	50.7
6400	12.1	13.0	13.9	14.8	15.8	17.1	18.5	19.9	21.3	22.9	24.7	26.2	27.7	30.3	32.4	34.9	38.2	41.5	44.7	48.0	51.5
6600	12.2	13.1	14.0	15.0	16.0	17.3	18.8	20.2	21.7	23.3	25.0	26.6	28.6	30.4	32.8	35.3	38.7	42.2	45.5	48.9	52.2
6800	12.3	13.2	14.2	15.2	16.2	17.5	19.1	20.5	22.1	23.7	25.4	27.0	28.4	30.9	33.3	35.8	39.2	42.6	46.0	49.5	53.0
7000	12.4	13.4	14.5	15.5	16.5	17.8	19.4	20.9	22.5	24.1	25.8	27.4	28.8	31.3	33.7	36.2	39.7	43.2	46.6	50.1	53.7
7500	12.5	13.5	14.6	15.7	16.7	18.0	19.7	21.3	22.9	24.5	26.2	27.8	29.2	31.8	34.1	36.8	40.3	43.9	47.5	51.0	54.5
8000	12.6	13.7	14.8	15.9	17.0	18.3	20.1	21.7	23.4	25.0	26.7	28.3	29.7	32.3	34.6	37.3	40.9	44.5	48.1	51.7	55.3
8500	12.8	14.1	15.4	16.7	18.0	19.4	20.9	22.4	23.8	25.4	27.2	28.9	30.5	33.2	35.6	38.3	41.8	45.4	48.9	52.5	56.0
9000	13.0	14.5	16.0	17.5	19.1	20.4	21.7	23.1	24.3	26.0	27.9	29.6	31.3	34.1	36.8	39.4	43.0	46.6	50.2	53.8	57.3
9500	13.2	14.7	16.3	17.8	19.4	20.7	22.1	23.4	24.8	26.6	28.6	30.3	32.1	35.0	37.7	40.4	43.9	47.5	51.1	54.6	58.0
10000	13.4	15.0	16.6	18.2	19.8	21.1	22.6	23.8	25.3	27.4	29.6	31.7	33.9	36.4	38.9	41.4	44.8	48.0	51.6	55.1	58.6
11000	13.6	15.2	17.0	18.6	20.2	21.6	23.1	24.3	25.8	28.0	30.2	32.4	34.7	37.3	39.5	42.4	45.8	49.2	52.6	55.8	59.1
12000	13.9	15.5	17.1	18.8	20.5	21.9	23.5	24.8	26.3	28.6	30.8	33.1	35.5	38.5	49.7	43.5	46.8	50.1	53.3	56.5	59.8
13000	14.2	15.8	17.4	19.1	20.7	22.1	23.8	25.2	26.7	29.1	31.3	33.8	36.1	39.2	41.9	44.5	47.8	51.0	54.2	57.4	60.7
14000	14.5	16.1	17.7	19.3	20.9	22.3	24.1	25.4	27.2	29.6	31.8	34.7	36.5	39.5	42.5	45.5	48.8	52.0	55.2	58.4	61.6
15000	14.8	16.4	18.0	19.6	21.2	22.8	24.3	26.0	27.6	30.0	32.3	35.1	37.1	40.2	43.3	46.6	49.8	53.1	56.2	59.3	62.5

T5 (Datum Rating Power) P, (Datum Width) b=6.4

n,,r/min	Z,												
	10	11	12	13	14	15	16	17	18	19	20	21	22
100	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.003
200	0.003	0.003	0.003	0.004	0.004	0.004	0.005	0.005	0.005	0.006	0.006	0.006	0.007
300	0.004	0.005	0.005	0.005	0.006	0.006	0.007	0.007	0.008	0.008	0.009	0.009	0.009
400	0.005	0.006	0.007	0.007	0.008	0.008	0.009	0.010	0.010	0.011	0.011	0.012	0.012
500	0.007	0.007	0.008	0.009	0.010	0.010	0.011	0.012	0.012	0.013	0.014	0.015	0.015
600	0.008	0.009	0.010	0.010	0.011	0.012	0.013	0.014	0.015	0.016	0.016	0.017	0.018
700	0.009	0.010	0.011	0.012	0.013	0.014	0.015	0.016	0.017	0.018	0.019	0.020	0.021
800	0.010	0.011	0.012	0.013	0.015	0.016	0.017	0.018	0.019	0.020	0.021	0.022	0.023
900	0.011	0.013	0.014	0.015	0.016	0.017	0.019	0.020	0.021	0.022	0.023	0.025	0.026
1000	0.012	0.014	0.015	0.016	0.018	0.019	0.020	0.022	0.023	0.024	0.026	0.027	0.028
1100	0.013	0.015	0.016	0.018	0.019	0.021	0.022	0.023	0.025	0.026	0.028	0.029	0.031
1200	0.015	0.016	0.018	0.019	0.021	0.022	0.024	0.025	0.027	0.028	0.030	0.032	0.033
1300	0.016	0.017	0.019	0.021	0.022	0.024	0.026	0.027	0.029	0.031	0.032	0.034	0.036
1400	0.017	0.019	0.020	0.022	0.024	0.026	0.027	0.029	0.031	0.033	0.034	0.036	0.038
1500	0.018	0.020	0.022	0.023	0.025	0.027	0.029	0.031	0.033	0.035	0.037	0.039	0.040
1700	0.020	0.022	0.024	0.026	0.028	0.030	0.032	0.034	0.036	0.038	0.041	0.043	0.045
1800	0.021	0.023	0.025	0.027	0.029	0.031	0.034	0.036	0.038	0.040	0.042	0.045	0.047
1900	0.021	0.024	0.026	0.028	0.031	0.033	0.035	0.037	0.040	0.042	0.044	0.047	0.049
2000	0.022	0.025	0.027	0.030	0.032	0.034	0.037	0.039	0.041	0.044	0.046	0.049	0.051
2200	0.024	0.027	0.030	0.032	0.035	0.037	0.040	0.043	0.045	0.048	0.050	0.053	0.056
2400	0.026	0.029	0.032	0.035	0.037	0.040	0.043	0.046	0.048	0.051	0.054	0.057	0.060
2600	0.028	0.031	0.034	0.037	0.040	0.043	0.046	0.049	0.052	0.055	0.058	0.061	0.064
2800	0.030	0.033	0.036	0.039	0.042	0.045	0.048	0.051	0.055	0.058	0.061	0.064	0.067
3000	0.031	0.034	0.038	0.041	0.044	0.048	0.051	0.054	0.057	0.061	0.064	0.068	0.071
3200	0.033	0.036	0.040	0.043	0.046	0.050	0.053	0.057	0.060	0.064	0.067	0.071	0.074
3400	0.034	0.038	0.041	0.045	0.048	0.052	0.056	0.059	0.063	0.066	0.070	0.074	0.077
3600	0.035	0.039	0.043	0.047	0.050	0.054	0.058	0.062	0.065	0.069	0.073	0.077	0.080
3800	0.037	0.041	0.045	0.049	0.053	0.057	0.060	0.064	0.068	0.072	0.076	0.080	0.084
4000	0.039	0.043	0.047	0.051	0.055	0.059	0.063	0.067	0.071	0.075	0.079	0.084	0.088
4200	0.040	0.044	0.048	0.052	0.057	0.061	0.065	0.069	0.073	0.078	0.082	0.086	0.090
4400	0.041	0.045	0.049	0.054	0.058	0.062	0.067	0.071	0.075	0.080	0.084	0.089	0.093
4600	0.042	0.046	0.051	0.055	0.060	0.064	0.068	0.073	0.077	0.082	0.086	0.091	0.095
4800	0.043	0.048	0.052	0.057	0.061	0.066	0.070	0.075	0.080	0.084	0.089	0.094	0.098
5000	0.044	0.049	0.054	0.059	0.063	0.068	0.073	0.077	0.082	0.087	0.092	0.097	0.101
5200	0.046	0.051	0.055	0.060	0.065	0.070	0.075	0.080	0.085	0.089	0.094	0.099	0.104
5400	0.047	0.052	0.057	0.062	0.067	0.072	0.077	0.082	0.087	0.092	0.097	0.102	0.107
5600	0.049	0.054	0.059	0.064	0.069	0.075	0.080	0.085	0.090	0.095	0.100	0.106	0.111
5800	0.050	0.055	0.061	0.066	0.071	0.077	0.082	0.087	0.092	0.098	0.103	0.109	0.114
6000	0.051	0.057	0.062	0.067	0.073	0.078	0.084	0.089	0.094	0.100	0.105	0.111	0.116
6200	0.052	0.058	0.063	0.069	0.074	0.080	0.085	0.091	0.097	0.102	0.108	0.114	0.119
6400	0.053	0.059	0.065	0.070	0.076	0.082	0.087	0.093	0.099	0.104	0.110	0.116	0.121
6600	0.054	0.060	0.066	0.072	0.078	0.083	0.089	0.095	0.100	0.106	0.112	0.118	0.124
6800	0.055	0.061	0.067	0.073	0.079	0.085	0.091	0.096	0.102	0.108	0.114	0.120	0.126
7000	0.057	0.063	0.069	0.075	0.081	0.087	0.093	0.099	0.105	0.111	0.118	0.124	0.130
7500	0.060	0.066	0.072	0.079	0.085	0.091	0.098	0.104	0.110	0.117	0.123	0.130	0.136
8000	0.063	0.070	0.076	0.083	0.090	0.096	0.103	0.110	0.116	0.123	0.130	0.137	0.143
8500	0.065	0.072	0.079	0.086	0.093	0.100	0.107	0.114	0.121	0.128	0.135	0.142	0.149
9000	0.068	0.076	0.083	0.090	0.097	0.105	0.112	0.119	0.126	0.134	0.141	0.149	0.156
9500	0.071	0.079	0.086	0.094	0.102	0.109	0.116	0.124	0.132	0.139	0.147	0.155	0.162
10000	0.074	0.082	0.090	0.098	0.106	0.113	0.121	0.129	0.137	0.145	0.153	0.161	0.169
11000	0.079	0.088	0.096	0.105	0.113	0.122	0.130	0.138	0.147	0.155	0.164	0.173	0.181
12000	0.083	0.092	0.101	0.110	0.119	0.128	0.136	0.145	0.154	0.163	0.172	0.181	0.190
13000	0.087	0.096	0.105	0.114	0.124	0.133	0.142	0.1581	0.160	0.169	0.179	0.188	0.197
14000	0.091	0.100	0.110	0.120	0.129	0.139	0.148	0.158	0.168	0.177	0.187	0.197	0.207
15000	0.094	0.105	0.115	0.125	0.135	0.145	0.154	0.164	0.174	0.185	0.195	0.205	0.215

n,,r/min	Z,												
	36	37	38	39	40	41	42	43	44	45	46	47	48
100	0.005	0.006	0.006	0.006	0.006	0.006	0.006	0.007	0.007	0.007	0.007	0.007	0.007
200	0.011	0.011	0.011	0.012	0.012	0.012	0.013	0.013	0.013	0.014	0.014	0.014	0.014
300	0.016	0.016	0.017	0.017	0.017	0.018	0.018	0.019	0.019	0.020	0.020	0.020	0.021
400	0.021	0.021	0.022	0.022	0.023	0.023	0.024	0.025	0.025	0.026	0.026	0.027	0.028
500	0.025	0.026	0.027	0.027	0.028	0.029	0.029	0.030	0.031	0.032	0.032	0.033	0.034
600	0.030	0.031	0.031	0.032	0.033	0.034	0.035	0.036	0.037	0.037	0.038	0.039	0.040
700	0.034	0.035	0.036	0.037	0.038	0.039	0.040	0.041	0.042	0.043	0.044	0.045	0.046
800	0.038	0.039	0.041	0.042	0.043	0.044	0.045	0.046	0.047	0.048	0.049	0.050	0.051
900	0.042	0.044	0.045	0.046	0.047	0.049	0.050	0.051	0.052	0.053	0.055	0.056	0.057
1000	0.047	0.048	0.049	0.051	0.052	0.053	0.054	0.056	0.057	0.058	0.060	0.061	0.062
1100	0.050	0.052	0.053	0.055	0.056	0.058	0.059	0.060	0.062	0.063	0.065	0.066	0.068
1200	0.055	0.056	0.058	0.059	0.061	0.062	0.064	0.065	0.067	0.068	0.070	0.072	0.073
1300	0.059	0.060	0.062	0.064	0.065	0.067	0.069	0.070	0.072	0.074	0.075	0.077	0.079
1400	0.063	0.065	0.066	0.068	0.070	0.072	0.073	0.075	0.077	0.079	0.080	0.082	0.084
1500	0.067	0.069	0.070	0.072	0.074	0.076	0.078	0.080	0.082	0.084	0.086	0.087	0.089
1700	0.074	0.076	0.078	0.080	0.082	0.084	0.086	0.088	0.090	0.093	0.095	0.097	0.099
1800	0.077	0.079	0.081	0.083	0.086	0.088	0.090	0.092	0.094	0.096	0.099	0.101	0.103
1900	0.081	0.083	0.085	0.087	0.090	0.092	0.094	0.096	0.099	0.101	0.103	0.105	0.108
2000	0.084	0.086	0.089	0.091	0.094	0.096	0.098	0.101	0.103	0.105	0.108	0.110	0.113
2200	0.092	0.094	0.097	0.100	0.102	0.105	0.107	0.110	0.112	0.115	0.118	0.120	0.123
2400	0.098	0.101	0.104	0.107	0.110	0.112	0.115	0.118	0.121	0.123	0.126	0.129	0.132
2600	0.105	0.108	0.111	0.114	0.117	0.120	0.122	0.125	0.128	0.131	0.134	0.137	0.140
2800	0.111	0.114	0.117	0.120	0.123	0.127	0.130	0.133	0.136	0.139	0.142	0.145	0.148
3000	0.117	0.120	0.123	0.127	0.130	0.133	0.136	0.140	0.143	0.146	0.150	0.153	0.156
3200	0.122	0.126	0.129	0.133	0.136	0.140	0.143	0.146	0.150	0.153	0.157	0.160	0.164
3400	0.128	0.131	0.135	0.138	0.142	0.146	0.149	0.153	0.156	0.160	0.164	0.167	0.171
3600	0.133	0.136	0.140	0.144	0.148	0.151	0.155	0.159	0.163	0.166	0.170	0.174	0.177
3800	0.139	0.143	0.146	0.150	0.154	0.158	0.162	0.166	0.170	0.174	0.178	0.182	0.186
4000	0.145	0.149	0.153	0.157	0.161	0.165	0.169	0.173	0.177	0.181	0.185	0.189	0.193
4200	0.149	0.153	0.157	0.161	0.166	0.170	0.174	0.178	0.182	0.187	0.191	0.195	0.199
4400	0.153	0.157	0.162	0.166	0.170	0.174	0.179	0.183	0.187	0.192	0.196	0.200	0.205
4600	0.157	0.161	0.165	0.170	0.174	0.179	0.183	0.188	0.192	0.196	0.201	0.205	0.210
4800	0.162	0.166	0.171	0.175	0.180	0.185	0.189	0.194	0.198	0.203	0.207	0.212	0.216
5000	0.167	0.171	0.176	0.181	0.186	0.190	0.195	0.200	0.204	0.209	0.214	0.218	0.223
5200	0.172	0.176	0.181	0.186	0.191	0.196	0.201	0.206	0.210	0.215	0.220	0.225	0.230
5400	0.176	0.181	0.186	0.191	0.196	0.201	0.206	0.211	0.216	0.221	0.226	0.231	0.236
5600	0.183	0.188	0.193	0.198	0.204	0.209	0.214	0.219	0.224	0.229	0.235	0.240	0.245
5800	0.187	0.193	0.198	0.203	0.209	0.214	0.219	0.224	0.230	0.235	0.240	0.245	0.251
6000	0.192	0.197	0.203	0.208	0.213	0.219	0.224	0.230	0.235	0.241	0.246	0.251	0.257
6200	0.196	0.202	0.207	0.213	0.218	0.224	0.229	0.235	0.240	0.246	0.251	0.257	0.262
6400	0.200	0.206	0.211	0.217	0.223	0.228	0.234	0.240	0.245	0.251	0.257	0.262	0.268
6600	0.204	0.210	0.216	0.221	0.227	0.233	0.239	0.244	0.250	0.256	0.262	0.267	0.273
6800	0.208	0.214	0.220	0.226	0.231	0.237	0.243	0.249	0.255	0.261	0.267	0.272	0.278
7000	0.214	0.220	0.226	0.232	0.238	0.244	0.250	0.256	0.262	0.268	0.274	0.280	0.286
7500	0.224	0.230	0.237	0.243	0.249	0.256	0.262	0.268	0.275	0.281	0.287	0.294	0.300
8000	0.236	0.243	0.250	0.256	0.263	0.269	0.276	0.283	0.290	0.296	0.303	0.309	0.316
8500	0.245	0.252	0.259	0.266	0.273	0.280	0.287	0.293	0.300	0.307	0.314	0.321	0.328
9000	0.256	0.264	0.271	0.278	0.285	0.292	0.300	0.307	0.314	0.322	0.329	0.336	0.343
9500	0.267	0.275	0.282	0.290	0.298	0.305	0.313	0.320	0.328	0.335	0.343	0.350	0.358
10000	0.278	0.286	0.294	0.302	0.309	0.317	0.325	0.333	0.341	0.349	0.356	0.364	0.272
11000	0.298	0.307	0.315	0.323	0.332	0.340	0.348	0.357	0.365	0.374	0.382	0.390	0.399
12000	0.313	0.322	0.330	0.339	0.348	0.357	0.366	0.374	0.383	0.392	0.401	0.410	0.418
13000	0.325	0.334	0.334	0.353	0.362	0.371	0.380	0.389	0.399	0.408	0.417	0.426	0.435
14000	0.340	0.350	0.360	0.369	0.379	0.388	0.398	0.408	0.417	0.427	0.437	0.446	0.456
15000	0.354	0.364	0.374	0.384	0.395	0.404	0.414	0.424	0.434	0.444	0.454	0.464	0.474

n_1,r/min	Z,												
	23	24	25	26	27	28	29	30	31	32	33	34	35
100	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.005	0.005	0.005	0.005	0.005	0.005
200	0.007	0.007	0.007	0.008	0.008	0.008	0.009	0.009	0.009	0.010	0.010	0.010	0.010
300	0.010	0.010	0.011	0.011	0.012	0.012	0.013	0.013	0.013	0.014	0.014	0.015	0.015
400	0.013	0.014	0.014	0.015	0.015	0.016	0.017	0.017	0.018	0.018	0.019	0.019	0.020
500	0.016	0.017	0.017	0.018	0.019	0.020	0.020	0.021	0.022	0.022	0.023	0.024	0.024
600	0.019	0.020	0.021	0.021	0.022	0.023	0.024	0.025	0.026	0.026	0.027	0.028	0.029
700	0.022	0.023	0.024	0.024	0.025	0.026	0.027	0.028	0.029	0.030	0.031	0.032	0.033
800	0.024	0.025	0.026	0.028	0.029	0.030	0.031	0.032	0.033	0.034	0.035	0.036	0.037
900	0.027	0.028	0.029	0.031	0.032	0.033	0.034	0.035	0.037	0.038	0.039	0.040	0.041
1000	0.030	0.031	0.032	0.033	0.035	0.036	0.037	0.039	0.040	0.041	0.043	0.044	0.045
1100	0.032	0.033	0.035	0.036	0.038	0.039	0.041	0.042	0.043	0.045	0.046	0.048	0.049
1200	0.035	0.036	0.038	0.039	0.041	0.042	0.044	0.045	0.047	0.048	0.050	0.052	0.053
1300	0.037	0.039	0.041	0.042	0.044	0.046	0.047	0.049	0.050	0.052	0.054	0.055	0.057
1400	0.040	0.042	0.043	0.045	0.047	0.049	0.050	0.052	0.054	0.056	0.057	0.059	0.061
1500	0.042	0.044	0.046	0.048	0.050	0.052	0.054	0.055	0.057	0.059	0.061	0.063	0.065
1700	0.047	0.049	0.051	0.053	0.055	0.057	0.059	0.061	0.063	0.066	0.068	0.070	0.072
1800	0.049	0.051	0.053	0.055	0.057	0.060	0.062	0.064	0.066	0.068	0.070	0.073	0.075
1900	0.051	0.053	0.056	0.058	0.060	0.062	0.065	0.067	0.069	0.071	0.074	0.076	0.078
2000	0.053	0.056	0.058	0.060	0.063	0.065	0.068	0.070	0.072	0.075	0.077	0.079	0.082
2200	0.058	0.061	0.063	0.066	0.069	0.071	0.074	0.076	0.079	0.081	0.084	0.087	0.089
2400	0.062	0.065	0.068	0.071	0.074	0.076	0.079	0.082	0.085	0.087	0.090	0.093	0.096
2600	0.067	0.069	0.072	0.075	0.078	0.081	0.084	0.087	0.090	0.093	0.096	0.099	0.102
2800	0.070	0.073	0.077	0.080	0.083	0.086	0.089	0.092	0.095	0.098	0.102	0.105	0.108
3000	0.074	0.077	0.081	0.084	0.087	0.090	0.094	0.097	0.100	0.104	0.107	0.110	0.113
3200	0.078	0.081	0.084	0.088	0.091	0.095	0.098	0.102	0.105	0.109	0.112	0.115	0.119
3400	0.081	0.085	0.088	0.092	0.095	0.099	0.102	0.106	0.110	0.113	0.117	0.120	0.124
3600	0.084	0.088	0.092	0.095	0.099	0.103	0.106	0.110	0.114	0.118	0.121	0.125	0.129
3800	0.080	0.092	0.096	0.100	0.104	0.107	0.111	0.115	0.119	0.123	0.127	0.131	0.135
4000	0.092	0.096	0.100	0.104	0.108	0.112	0.116	0.120	0.124	0.128	0.132	0.136	0.140
4200	0.095	0.099	0.103	0.107	0.111	0.115	0.120	0.124	0.128	0.132	0.136	0.140	0.145
4400	0.097	0.101	0.106	0.110	0.114	0.118	0.123	0.127	0.131	0.136	0.140	0.144	0.149
4600	0.099	0.104	0.108	0.113	0.117	0.121	0.126	0.130	0.135	0.139	0.143	0.148	0.152
4800	0.103	0.107	0.112	0.116	0.121	0.125	0.130	0.135	0.139	0.144	0.148	0.153	0.157
5000	0.106	0.110	0.115	0.120	0.125	0.129	0.134	0.139	0.143	0.148	0.153	0.157	0.162
5200	0.109	0.114	0.119	0.123	0.128	0.133	0.138	0.143	0.148	0.152	0.157	0.162	0.167
5400	0.112	0.117	0.122	0.127	0.132	0.137	0.142	0.147	0.152	0.156	0.161	0.166	0.171
5600	0.116	0.121	0.126	0.132	0.137	0.142	0.147	0.152	0.157	0.162	0.167	0.172	0.178
5800	0.119	0.124	0.129	0.135	0.140	0.145	0.151	0.156	0.161	0.166	0.172	0.177	0.182
6000	0.122	0.127	0.132	0.138	0.143	0.149	0.154	0.159	0.165	0.170	0.176	0.181	0.186
6200	0.124	0.130	0.135	0.141	0.147	0.152	0.157	0.163	0.169	0.174	0.180	0.185	0.190
6400	0.127	0.133	0.138	0.144	0.150	0.155	0.161	0.166	0.172	0.178	0.183	0.189	0.194
6600	0.130	0.135	0.141	0.147	0.153	0.158	0.164	0.170	0.175	0.181	0.187	0.192	0.198
6800	0.132	0.138	0.144	0.150	0.155	0.161	0.167	0.173	0.179	0.184	0.190	0.196	0.202
7000	0.136	0.142	0.148	0.154	0.160	0.166	0.172	0.178	0.184	0.190	0.196	0.202	0.208
7500	0.142	0.148	0.155	0.161	0.168	0.174	0.180	0.186	0.193	0.199	0.205	0.211	0.218
8000	0.150	0.157	0.163	0.170	0.177	0.183	0.190	0.196	0.203	0.210	0.216	0.223	0.230
8500	0.156	0.162	0.169	0.176	0.183	0.190	0.197	0.204	0.211	0.218	0.224	0.231	0.238
9000	0.163	0.170	0.177	0.184	0.192	0.199	0.206	0.213	0.220	0.228	0.235	0.242	0.249
9500	0.170	0.177	0.185	0.192	0.200	0.207	0.215	0.222	0.230	0.237	0.245	0.252	0.260
10000	0.176	0.184	0.192	0.200	0.208	0.215	0.223	0.231	0.239	0.247	0.255	0.262	0.270
11000	0.189	0.197	0.206	0.214	0.223	0.231	0.239	0.248	0.256	0.265	0.273	0.281	0.290
12000	0.199	0.207	0.216	0.225	0.234	0.242	0.251	0.260	0.269	0.277	0.286	0.295	0.304
13000	0.206	0.215	0.225	0.234	0.243	0.252	0.261	0.270	0.280	0.289	0.298	0.307	0.316
14000	0.216	0.226	0.235	0.245	0.254	0.264	0.273	0.283	0.293	0.302	0.312	0.321	0.331
15000	0.225	0.235	0.245	0.255	0.265	0.275	0.285	0.295	0.305	0.314	0.325	0.334	0.344

n_1,r/min	Z,												
	49	50	51	52	53	54	55	56	57	58	59	60	61
100	0.007	0.008	0.008	0.008	0.008	0.008	0.008	0.009	0.009	0.009	0.009	0.009	0.009
200	0.015	0.015	0.015	0.016	0.016	0.016	0.017	0.017	0.017	0.017	0.018	0.018	0.018
300	0.021	0.022	0.022	0.023	0.023	0.024	0.024	0.024	0.025	0.025	0.026	0.026	0.027
400	0.028	0.029	0.029	0.030	0.030	0.031	0.032	0.032	0.033	0.033	0.034	0.034	0.035
500	0.034	0.035	0.036	0.037	0.037	0.038	0.039	0.039	0.040	0.041	0.042	0.042	0.043
600	0.041	0.042	0.042	0.043	0.044	0.045	0.046	0.047	0.047	0.048	0.049	0.050	0.051
700	0.047	0.047	0.048	0.049	0.050	0.051	0.052	0.053	0.054	0.055	0.056	0.057	0.058
800	0.052	0.054	0.055	0.056	0.057	0.058	0.059	0.060	0.061	0.062	0.063	0.064	0.065
900	0.058	0.059	0.061	0.062	0.063	0.064	0.065	0.067	0.068	0.069	0.070	0.071	0.072
1000	0.064	0.065	0.066	0.068	0.069	0.070	0.071	0.073	0.074	0.075	0.077	0.078	0.079
1100	0.069	0.070	0.072	0.073	0.075	0.076	0.077	0.079	0.080	0.082	0.083	0.085	0.086
1200	0.075	0.076	0.078	0.079	0.081	0.082	0.084	0.085	0.087	0.089	0.090	0.092	0.093
1300	0.080	0.082	0.084	0.085	0.087	0.089	0.090	0.092	0.093	0.095	0.097	0.098	0.100
1400	0.086	0.088	0.089	0.091	0.093	0.095	0.096	0.098	0.100	0.102	0.103	0.105	0.107
1500	0.091	0.093	0.095	0.097	0.099	0.101	0.102	0.104	0.106	0.108	0.110	0.112	0.114
1700	0.101	0.103	0.105	0.107	0.109	0.111	0.113	0.115	0.118	0.120	0.122	0.124	0.126
1800	0.105	0.107	0.109	0.112	0.114	0.116	0.118	0.120	0.122	0.125	0.127	0.129	0.131
1900	0.110	0.112	0.115	0.117	0.119	0.121	0.124	0.126	0.128	0.131	0.133	0.135	0.137
2000	0.115	0.117	0.120	0.122	0.124	0.127	0.129	0.131	0.134	0.136	0.139	0.141	0.143
2200	0.125	0.128	0.131	0.133	0.136	0.138	0.141	0.143	0.146	0.149	0.151	0.154	0.156
2400	0.134	0.137	0.140	0.143	0.146	0.148	0.151	0.154	0.157	0.159	0.162	0.165	0.168
2600	0.143	0.146	0.149	0.152	0.155	0.158	0.161	0.164	0.167	0.170	0.173	0.176	0.179
2800	0.152	0.155	0.158	0.161	0.164	0.167	0.170	0.173	0.177	0.180	0.183	0.186	0.189
3000	0.160	0.163	0.166	0.169	0.173	0.176	0.179	0.183	0.186	0.189	0.192	0.196	0.199
3200	0.167	0.171	0.174	0.178	0.181	0.184	0.188	0.191	0.195	0.198	0.202	0.205	0.208
3400	0.174	0.178	0.182	0.185	0.189	0.192	0.196	0.200	0.203	0.207	0.210	0.214	0.217
3600	0.181	0.185	0.189	0.192	0.196	0.200	0.204	0.207	0.211	0.215	0.219	0.222	0.226
3800	0.189	0.193	0.197	0.201	0.205	0.209	0.213	0.217	0.221	0.225	0.228	0.232	0.236
4000	0.198	0.202	0.206	0.210	0.214	0.218	0.222	0.226	0.230	0.234	0.238	0.242	0.246
4200	0.203	0.208	0.212	0.216	0.220	0.224	0.229	0.233	0.237	0.241	0.245	0.250	0.254
4400	0.209	0.213	0.218	0.222	0.226	0.230	0.235	0.239	0.243	0.248	0.252	0.256	0.261
4600	0.214	0.218	0.223	0.227	0.232	0.236	0.241	0.245	0.249	0.254	0.258	0.263	0.267
4800	0.221	0.226	0.230	0.235	0.239	0.244	0.248	0.253	0.258	0.262	0.267	0.271	0.276
5000	0.228	0.233	0.237	0.242	0.247	0.251	0.256	0.261	0.266	0.270	0.275	0.280	0.284
5200	0.235	0.239	0.244	0.249	0.254	0.259	0.264	0.268	0.273	0.278	0.283	0.288	0.293
5400	0.241	0.246	0.251	0.256	0.261	0.266	0.271	0.276	0.281	0.286	0.291	0.296	0.301
5600	0.250	0.255	0.260	0.265	0.270	0.276	0.281	0.286	0.291	0.296	0.301	0.307	0.312
5800	0.256	0.261	0.267	0.272	0.277	0.282	0.288	0.293	0.298	0.304	0.309	0.314	.0319
6000	0.262	0.268	0.273	0.278	0.284	0.289	0.295	0.300	0.305	0.311	0.316	0.322	0.327
6200	0.268	0.273	0.279	0.285	0.290	0.295	0.301	0.307	0.312	0.318	0.323	0.329	0.334
6400	0.273	0.279	0.285	0.290	0.296	0.302	0.307	0.313	0.319	0.324	0.330	0.335	0.341
6600	0.279	0.285	0.290	0.296	0.302	0.308	0.313	0.319	0.325	0.331	0.336	0.342	0.348
6800	0.287	0.290	0.296	0.302	0.307	0.313	0.319	0.325	0.331	0.337	0.343	0.349	0.354
7000	0.292	0.299	0.305	0.311	0.317	0.323	0.329	0.335	0.341	0.347	0.353	0.359	0.365
7500	0.306	0.313	0.319	0.325	0.331	0.338	0.344	0.350	0.357	0.363	0.369	0.376	0.382
8000	0.323	0.330	0.336	0.343	0.349	0.356	0.363	0.370	0.376	0.383	0.389	0.396	0.403
8500	0.335	0.342	0.349	0.356	0.363	0.369	0.376	0.383	0.390	0.397	0.404	0.411	0.418
9000	0.350	0.358	0.365	0.372	0.379	0.386	0.394	0.401	0.408	0.416	0.423	0.430	0.437
9500	0.365	0.373	0.380	0.388	0.395	0.403	0.411	0.418	0.426	0.433	0.441	0.448	0.456
10000	0.380	0.388	0.396	0.403	0.411	0.419	0.427	0.435	0.443	0.450	0.458	0.466	0.474
11000	0.407	0.416	0.424	0.433	0.441	0.449	0.458	0.466	0.475	0.483	0.491	0.500	0.508
12000	0.427	0.436	0.445	0.454	0.462	0.471	0.480	0.489	0.498	0.507	0.515	0.524	0.533
13000	0.444	0.454	0.463	0.472	0.481	0.490	0.499	0.509	0.518	0.527	0.536	0.545	0.554
14000	0.465	0.475	0.485	0.494	0.504	0.513	0.523	0.533	0.542	0.552	0.561	0.571	0.580
15000	0.484	0.494	0.504	0.514	0.524	0.534	0.544	0.554	0.564	0.574	0.584	0.594	0.604

T10 (Datum Rating Power) PoKW

n_1,r/min	Z1											
	12	13	14	15	16	17	18	19	20	21	22	23
100	0.007	0.008	0.008	0.009	0.010	0.010	0.011	0.012	0.012	0.013	0.014	0.014
200	0.014	0.015	0.016	0.018	0.019	0.020	0.021	0.023	0.024	0.025	0.026	0.027
300	0.020	0.022	0.024	0.026	0.027	0.029	0.031	0.033	0.034	0.036	0.038	0.040
400	0.026	0.028	0.031	0.033	0.035	0.038	0.040	0.042	0.044	0.047	0.049	0.051
500	0.032	0.035	0.037	0.040	0.043	0.046	0.049	0.051	0.054	0.057	0.060	0.063
600	0.037	0.041	0.044	0.047	0.051	0.054	0.057	0.060	0.064	0.067	0.070	0.074
700	0.042	0.046	0.050	0.054	0.057	0.061	0.065	0.068	0.072	0.076	0.080	0.083
800	0.048	0.052	0.056	0.060	0.064	0.069	0.073	0.077	0.081	0.085	0.089	0.094
900	0.052	0.057	0.062	0.066	0.071	0.075	0.080	0.085	0.089	0.094	0.098	0.103
1000	0.057	0.062	0.067	0.072	0.077	0.082	0.087	0.092	0.097	0.102	0.107	0.112
1100	0.062	0.067	0.073	0.078	0.084	0.089	0.095	0.100	0.105	0.111	0.116	0.122
1200	0.067	0.073	0.079	0.085	0.091	0.096	0.102	0.108	0.114	0.120	0.126	0.132
1300	0.071	0.078	0.084	0.090	0.096	0.103	0.109	0.115	0.122	0.128	0.134	0.140
1400	0.076	0.082	0.089	0.096	0.102	0.109	0.115	0.122	0.129	0.135	0.142	0.149
1500	0.080	0.087	0.094	0.101	0.108	0.115	0.122	0.128	0.135	0.143	0.149	0.156
1600	0.084	0.091	0.098	0.105	0.113	0.120	0.127	0.135	0.142	0.149	0.157	0.164
1700	0.087	0.095	0.102	0.110	0.118	0.125	0.133	0.140	0.148	0.156	0.163	0.171
1800	0.091	0.099	0.107	0.115	0.123	0.131	0.139	0.147	0.155	0.164	0.171	0.179
1900	0.095	0.103	0.111	0.120	0.128	0.136	0.145	0.153	0.161	0.169	0.178	0.186
2000	0.099	0.107	0.116	0.125	0.133	0.142	0.151	0.159	0.168	0.177	0.185	0.194
2100	0.103	0.112	0.121	0.130	0.139	0.148	0.157	0.166	0.175	0.184	0.193	0.202
2200	0.107	0.116	0.125	0.135	0.144	0.153	0.163	0.172	0.181	0.191	0.200	0.209
2300	0.109	0.119	0.128	0.138	0.148	0.157	0.167	0.176	0.186	0.196	0.205	0.215
2400	0.113	0.123	0.133	0.143	0.152	0.162	0.172	0.182	0.192	0.202	0.212	0.222
2500	0.117	0.127	0.137	0.147	0.157	0.167	0.178	0.188	0.198	0.208	0.218	0.229
2600	0.120	0.130	0.141	0.151	0.162	0.172	0.183	0.193	0.204	0.215	0.225	0.235
2700	0.123	0.134	0.145	0.156	0.166	0.177	0.188	0.199	0.210	0.221	0.231	0.242
2800	0.127	0.138	0.149	0.160	0.171	0.182	0.193	0.204	0.215	0.226	0.237	0.248
2900	0.130	0.141	0.152	0.164	0.175	0.186	0.198	0.209	0.221	0.232	0.243	0.255
3000	0.133	0.144	0.156	0.168	0.179	0.191	0.203	0.214	0.226	0.238	0.249	0.261
3100	0.136	0.148	0.160	0.171	0.183	0.195	0.207	0.219	0.231	0.243	0.255	0.267
3200	0.139	0.151	0.163	0.175	0.187	0.199	0.212	0.224	0.236	0.248	0.260	0.272
3300	0.143	0.155	0.168	0.181	0.193	0.206	0.218	0.231	0.243	0.256	0.268	0.281
3400	0.146	0.158	0.171	0.184	0.197	0.210	0.222	0.235	0.248	0.261	0.273	0.286
3500	0.148	0.161	0.174	0.187	0.200	0.213	0.226	0.239	0.252	0.265	0.278	0.291
3600	0.151	0.164	0.177	0.191	0.204	0.217	0.230	0.243	0.257	0.270	0.283	0.296
3700	0.153	0.167	0.180	0.194	0.207	0.221	0.234	0.247	0.261	0.274	0.288	0.301
3800	0.156	0.169	0.183	0.197	0.210	0.224	0.238	0.251	0.265	0.279	0.292	0.306
3900	0.158	0.172	0.186	0.200	0.213	0.227	0.241	0.255	0.269	0.283	0.296	0.310
4000	0.160	0.174	0.188	0.202	0.216	0.230	0.245	0.258	0.273	0.287	0.301	0.315
4200	0.166	0.181	0.195	0.210	0.224	0.239	0.254	0.268	0.283	0.298	0.312	0.327
4400	0.170	0.185	0.200	0.215	0.230	0.245	0.260	0.274	0.289	0.304	0.319	0.334
4600	0.176	0.191	0.206	0.222	0.237	0.253	0.268	0.283	0.299	0.314	0.330	0.345
4800	0.181	0.197	0.213	0.229	0.244	0.260	0.276	0.292	0.308	0.324	0.340	0.356
5000	0.186	0.203	0.219	0.235	0.252	0.268	0.284	0.301	0.317	0.333	0.349	0.366
5200	0.191	0.208	0.225	0.242	0.258	0.275	0.292	0.309	0.325	0.342	0.359	0.376
5400	0.196	0.213	0.231	0.248	0.265	0.282	0.299	0.316	0.334	0.351	0.368	0.385
5600	0.201	0.218	0.236	0.254	0.271	0.289	0.307	0.324	0.342	0.359	0.377	0.394
5800	0.205	0.223	0.241	0.259	0.277	0.295	0313	0.331	0.349	0.367	0.385	0.403
6000	0.210	0.228	0.246	0.265	0.283	0.301	0.320	0.338	0.357	0.375	0.393	0.412
6200	0.214	0.232	0.251	0.270	0.289	0.307	0.326	0.345	0.364	0.382	0.401	0.420
6400	0.218	0.237	0.256	0.275	0.294	0.313	0.332	0.351	0.370	0.389	0.408	0.427
6600	0.218	0.237	0.257	0.276	0.295	0.314	0.333	0.352	0.371	0.391	0.409	0.429
6800	0.222	0.241	0.261	0.280	0.299	0.319	0.338	0.358	0.377	0.397	0.416	0.435
7000	0.225	0.245	0.264	0.284	0.304	0.324	0.343	0.363	0.383	0.403	0.422	0.442
7500	0.234	0.254	0.275	0.296	0.306	0.337	0.257	0.378	0.398	0.419	0.439	0.460
8000	0.242	0.263	0.285	0.306	0.327	0.348	0.370	0.391	0.412	0.433	0.454	0.476
8500	0.250	0.271	0.293	0.305	0.337	0.359	0.381	0.402	0.424	0.446	0.468	0.490
9000	0.256	0.278	0.301	0.323	0.345	0.368	0.390	0.412	0.435	0.458	0.480	0.502
9500	0.261	0.284	0.307	0.330	0.352	0.375	0.398	0.421	0.444	0.467	0.490	0.513
10000	0.270	0.294	0.318	0.341	0.365	0.389	0.412	0.438	0.460	0.483	0.507	0.531
11000	0.287	0.312	0.337	0.362	0.387	0.413	0.438	0.463	0.488	0.513	0.538	0.563
12000	0.302	0.328	0.355	0.381	0.407	0.434	0.461	0.487	0.513	0.540	0.566	0.593
13000	0.315	0.342	0.370	0.398	0.425	0.453	0.481	0.508	0.536	0.563	0.591	0.618
14000	0.326	0.354	0.383	0.412	0.440	0.469	0.498	0.526	0.555	0.583	0.612	0.640
15000	0.329	0.357	0.386	0.415	0.443	0.472	0.501	0.530	0.559	0.588	0.616	0.465

T10 (Datum Rating Power) PKW

n_1,r/min	Z1											
	24	25	26	27	28	29	30	31	32	33	34	35
100	0.014	0.015	0.016	0.017	0.017	0.018	0.019	0.019	0.020	0.021	0.021	0.022
200	0.028	0.030	0.031	0.032	0.034	0.035	0.036	0.037	0.038	0.040	0.041	0.042
300	0.041	0.043	0.045	0.047	0.049	0.050	0.052	0.054	0.056	0.058	0.059	0.061
400	0.053	0.056	0.058	0.060	0.063	0.065	0.067	0.069	0.072	0.074	0.076	0.079
500	0.065	0.068	0.071	0.074	0.077	0.079	0.082	0.085	0.088	0.091	0.093	0.096
600	0.076	0.080	0.083	0.087	0.090	0.093	0.097	0.100	0.103	0.106	0.110	0.113
700	0.087	0.091	0.094	0.098	0.102	0.106	0.109	0.113	0.117	0.120	0.124	0.128
800	0.097	0.102	0.106	0.110	0.115	0.119	0.123	0.127	0.131	0.135	0.140	0.144
900	0.105	0.112	0.117	0.121	0.126	0.130	0.135	0.140	0.144	0.149	0.153	0.158
1000	0.116	0.122	0.127	0.132	0.136	0.141	0.146	0.151	0.156	0.161	0.166	0.171
1100	0.127	0.133	0.138	0.144	0.149	0.154	0.160	0.165	0.171	0.176	0.182	0.187
1200	0.137	0.143	0.149	0.155	0.161	0.167	0.173	0.179	0.185	0.191	0.196	0.202
1300	0.146	0.153	0.159	0.165	0.172	0.178	0.184	0.190	0.197	0.203	0.209	0.215
1400	0.155	0.162	0.168	0.175	0.182	0.188	0.195	0.202	0.208	0.215	0.222	0.228
1500	0.163	0.170	0.177	0.184	0.191	0.198	0.205	0.212	0.219	0.226	0.233	0.240
1600	0.171	0.179	0.186	0.193	0.200	0.208	0.215	0.222	0.230	0.237	0.244	0.252
1700	0.178	0.186	0.194	0.202	0.209	0.217	0.225	0.232	0.240	0.247	0.255	0.263
1800	0.187	0.195	0.203	0.212	0.219	0.228	0.236	0.243	0.252	0.260	0.268	0.276
1900	0.194	0.203	0.211	0.219	0.227	0.236	0.244	0.252	0.261	0.269	0.277	0.286
2000	0.202	0.211	0.220	0.229	0.237	0.246	0.255	0.263	0.272	0.280	0.289	0.298
2100	0.210	0.220	0.229	0.238	0.247	0.256	0.265	0.274	0.283	0.292	0.301	0.310
2200	0.218	0.228	0.237	0.247	0.256	0.265	0.275	0.284	0.293	0.303	0.312	0.321
2300	0.224	0.234	0.243	0.253	0.262	0.272	0.282	0.291	0.301	0.310	0.320	0.329
2400	0.231	0.241	0.251	0.261	0.271	0.281	0.291	0.301	0.311	0.321	0.331	0.340
2500	0.239	0.249	0.259	0.270	0.280	0.290	0.300	0.310	0.321	0.331	0.341	0.351
2600	0.246	0.256	0.267	0.278	0.288	0.298	0.309	0.319	0.330	0.341	0.351	0.362
2700	0.252	0.264	0.274	0.285	0.296	0.307	0.318	0.328	0.339	0.350	0.361	0.372
2800	0.259	0.271	0.282	0.293	0.304	0.315	0.326	0.337	0.348	0.359	0.370	0.381
2900	0.266	0.277	0.289	0.300	0.311	0.323	0.334	0.346	0.357	0.368	0.380	0.391
3000	0.272	0.284	0.296	0.307	0.319	0.330	0.342	0.354	0.365	0.377	0.389	0.400
3100	0.278	0.290	0.302	0.314	0.326	0.338	0.350	0.362	0.374	0.386	0.397	0.409
3200	0.284	0.296	0.309	0.321	0.333	0.345	0.357	0.369	0.382	0.394	0.406	0.418
3300	0.293	0.306	0.318	0.331	0.343	0.356	0.368	0.381	0.393	0.406	0.419	0.431
3400	0.299	0.312	0.324	0.337	0.350	0.363	0.376	0.388	0.401	0.414	0.427	0.439
3500	0.304	0.317	0.330	0.343	0.356	0.369	0.382	0.395	0.408	0.421	0.434	0.447
3600	0.309	0.323	0.336	0.349	0.362	0.376	0.389	0.402	0.415	0.429	0.442	0.455
3700	0.314	0.328	0.342	0.355	0.368	0.382	0.395	0.409	0.422	0.436	0.449	0.462
3800	0.319	0.333	0.347	0.361	0.374	0.388	0.401	0.415	0.429	0.442	0.456	0.470
3900	0.324	0.338	0.352	0.366	0.380	0.393	0.407	0.421	0.435	0.449	0.463	0.477
4000	0.328	0.343	0.357	0.371	0.385	0.399	0.413	0.427	0.441	0.455	0.469	0.483
4200	0.341	0.356	0.370	0.385	0.399	0.414	0.429	0.443	0.458	0.472	0.487	0.501
4400	0.349	0.364	0.379	0.394	0.409	0.423	0.438	0.453	0.468	0.483	0.498	0.513
4600	0.360	0.376	0.391	0.407	0.422	0.437	0.453	0.468	0.484	0.499	0.515	0.530
4800	0.371	0.387	0.403	0.419	0.435	0.451	0.467	0.483	0.498	0.514	0.530	0.546
5000	0.382	0.398	0.415	0.431	0.447	0.464	0.480	0.496	0.513	0.529	0.546	0.562
5200	0.392	0.409	0.426	0.443	0.460	0.476	0.493	0.510	0.527	0.544	0.560	0.577
5400	0.402	0.420	0.437	0.454	0.471	0.488	0.506	0.523	0.540	0.557	0.575	0.592
5600	0.412	0.430	0.447	0.465	0.482	0.500	0.518	0.535	0.553	0.571	0.588	0.606
5800	0.421	0.439	0.457	0.475	0.493	0.511	0.529	0.547	0.565	0.588	0.601	0.619
6000	0.430	0.448	0.467	0.485	0.503	0.522	0.540	0.558	0.577	0.595	0.614	0.632
6200	0.438	0.457	0.476	0.495	0.513	0.532	0.551	0.569	0.588	0.607	0.626	0.644
6400	0.446	0.465	0.485	0.504	0.523	0.542	0.561	0.580	0.599	0.618	0.637	0.656
6600	0.447	0.467	0.486	0.505	0.524	0.543	0.563	0.582	0.601	0.620	0.639	0.658
6800	0.455	0.474	0.494	0.513	0.532	0.552	0.572	0.591	0.610	0.630	0.649	0.669
7000	0.461	0.481	0.501	0.521	0.540	0.560	0.580	0.599	0.619	0.639	0.659	0.678
7500	0.480	0.501	0.521	0.542	0.562	0.583	0.603	0.624	0.644	0.665	0.685	0.706
8000	0.497	0.518	0.539	0.561	0.582	0.603	0.624	0.645	0.667	0.688	0.709	0.730
8500	0.511	0.533	0.555	0.577	0.599	0.621	0.643	0.665	0.687	0.709	0.730	0.752
9000	0.524	0.547	0.569	0.592	0.614	0.637	0.659	0.681	0.704	0.726	0.749	0.771
9500	0.535	0.558	0.581	0.604	0.627	0.650	0.673	0.696	0.819	0.742	0.765	0.787
10000	0.554	0.578	0.602	0.635	0.649	0.673	0.696	0.720	0.744	0.767	0.791	0.815
11000	0.588	0.614	0.639	0.664	0.689	0.714	0.740	0.764	0.790	–	–	–
12000	0.619	0.646	0.672	0.699	0.725	0.751	0.778	–	–	–	–	–
13000	0.646	0.673	0.701	0.719	–	–	–	–	–	–	–	–
14000	0.669	0.697	–	–	–	–	–	–	–	–	–	–

T10 (Datum Rating Power) PKW

n_1,r/min	Z1											
	38	37	38	39	40	41	42	43	44	45	46	47
100	0.022	0.023	0.024	0.024	0.025	0.026	0.026	0.027	0.027	0.028	0.029	0.029
200	0.043	0.045	0.046	0.047	0.048	0.049	0.051	0.052	0.053	0.054	0.056	0.057
300	0.063	0.065	0.066	0.068	0.070	0.072	0.074	0.075	0.077	0.079	0.081	0.082
400	0.081	0.083	0.086	0.088	0.090	0.092	0.095	0.097	0.099	0.102	0.104	0.106
500	0.099	0.102	0.105	0.107	0.110	0.113	0.116	0.119	0.121	0.124	0.127	0.130
600	0.116	0.119	0.123	0.126	0.129	0.133	0.136	0.139	0.142	0.146	0.149	0.152
700	0.132	0.135	0.139	0.143	0.146	0.150	0.154	0.158	0.161	0.165	0.169	0.172
800	0.148	0.152	0.156	0.161	0.165	0.169	0.173	0.177	0.181	0.186	0.190	0.194
900	0.163	0.167	0.172	0.176	0.181	0.186	0.190	0.195	0.199	0.204	0.208	0.213
1000	0.176	0.181	0.186	0.191	0.196	0.201	0.206	0.211	0.216	0.221	0.226	0.231
1100	0.192	0.198	0.203	0.209	0.214	0.220	0.225	0.230	0.236	0.241	0.247	0.252
1200	0.208	0.214	0.220	0.226	0.232	0.238	0.243	0.249	0.255	0.261	0.267	0.273
1300	0.222	0.228	0.234	0.241	0.247	0.253	0.259	0.266	0.272	0.278	0.284	0.291
1400	0.235	0.241	0.248	0.255	0.261	0.268	0.275	0.281	0.288	0.294	0.301	0.308
1500	0.247	0.254	0.261	0.268	0.275	0.282	0.289	0.296	0.303	0.310	0.317	0.324
1600	0.259	0.266	0.274	0.281	0.288	0.296	0.303	0.310	0.318	0.325	0.332	0.339
1700	0.270	0.278	0.286	0.293	0.301	0.308	0.316	0.324	0.331	0.339	0.347	0.354
1800	0.284	0.292	0.300	0.308	0.316	0.324	0.332	0.340	0.348	0.356	0.364	0.372
1900	0.294	0.302	0.310	0.319	0.327	0.335	0.344	0.352	0.360	0.369	0.377	0.385
2000	0.306	0.315	0.324	0.332	0.341	0.350	0.358	0.367	0.376	0.384	0.393	0.402
2100	0.319	0.328	0.337	0.346	0.355	0.364	0.373	0.382	0.391	0.400	0.409	0.418
2200	0.331	0.340	0.348	0.359	0.368	0.377	0.387	0.396	0.405	0.415	0.424	0.433
2300	0.339	0.349	0.358	0.368	0.377	0.387	0.397	0.406	0.416	0.425	0.435	0.444
2400	0.350	0.360	0.370	0.380	0.390	0.400	0.410	0.420	0.429	0.439	0.449	0.459
2500	0.361	0.371	0.382	0.392	0.402	0.412	0.423	0.433	0.443	0.453	0.463	0.474
2600	0.372	0.382	0.393	0.404	0.414	0.425	0.435	0.446	0.456	0.467	0.477	0.488
2700	0.382	0.393	0.404	0.415	0.426	0.436	0.447	0.458	0.469	0.480	0.490	0.501
2800	0.393	0.404	0.415	0.426	0.437	0.448	0.459	0.470	0.481	0.492	0.503	0.514
2900	0.402	0.414	0.425	0.437	0.448	0.459	0.471	0.482	0.493	0.505	0.516	0.527
3000	0.412	0.423	0.435	0.447	0.458	0.470	0.482	0.493	0.505	0.517	0.528	0.540
3100	0.421	0.433	0.445	0.457	0.469	0.481	0.493	0.504	0.516	0.528	0.540	0.552
3200	0.430	0.442	0.454	0.467	0.479	0.491	0.503	0.515	0.527	0.539	0.552	0.564
3300	0.444	0.456	0.469	0.481	0.494	0.506	0.519	0.531	0.544	0.556	0.569	0.581
3400	0.452	0.465	0.478	0.490	0.403	0.516	0.529	0.541	0.554	0.567	0.580	0.593
3500	0.460	0.473	0.486	0.499	0.512	0.525	0.538	0.551	0.564	0.577	0.590	0.603
3600	0.468	0.481	0.495	0.508	0.521	0.534	0.548	0.561	0.574	0.587	0.600	0.614
3700	0.476	0.489	0.503	0.516	0.530	0.543	0.557	0.570	0.583	0.597	0.610	0.624
3800	0.483	0.497	0.511	0.524	0.538	0.552	0.565	0.579	0.592	0.606	0.620	0.633
3900	0.490	0.504	0.518	0.532	0.546	0.560	0.574	0.587	0.601	0.615	0.629	0.643
4000	0.497	0.511	0.525	0.539	0.553	0.567	0.581	0.595	0.609	0.624	0.638	0.652
4100	0.504	0.518	0.532	0.546	0.561	0.575	0.589	0.603	0.617	0.632	0.646	0.660
4200	0.516	0.530	0.545	0.560	0.574	0.589	0.603	0.618	0.633	0.647	0.662	0.676
4300	0.522	0.537	0.552	0.566	0.581	0.596	0.611	0.625	0.640	0.655	0.669	0.684
4400	0.528	0.543	0.558	0.573	0.587	0.602	0.617	0.632	0.647	0.662	0.677	0.692
4500	0.540	0.555	0.570	0.586	0.601	0.616	0.631	0.646	0.662	0.677	0.692	0.707
4600	0.545	0.560	0.576	0.591	0.607	0.622	0.638	0.653	0.668	0.684	0.699	0.715
4800	0.562	0.578	0.594	0.610	0.625	0.641	0.657	0.673	0.689	0.705	0.721	0.736
5000	0.578	0.594	0.611	0.637	0.643	0.660	0.676	0.692	0.709	0.725	0.741	0.758
5200	0.594	0.610	0.627	0.644	0.661	0.678	0.694	0.711	0.728	0.745	0.761	0.778
5400	0.609	0.626	0.643	0.660	0.677	0.695	0.712	0.729	0.746	0.764	0.781	0.798
5600	0.623	0.641	0.658	0.676	0.694	0.711	0.729	0.746	0.764	0.782	0.799	0.817
5800	0.637	0.655	0.673	0.691	0.709	0727	0.745	0.763	0.781	0.799	0.817	0.835
6000	0.650	0.669	0.687	0.706	0.724	0.742	0.761	0.779	0.797	0.816	0.834	0.852
6200	0.663	0.682	0.701	0.719	0.738	0.757	0.776	0.794	0.813	0.832	0.850	0.869
6400	0.675	0.694	0.713	0.733	0.751	0.771	0.790	0.809	0.828	0.847	0.866	0.885
6600	0.677	0.696	0.716	0.735	0.754	0.773	0.792	0.811	0.830	0.849	0.868	0.888
6800	0.688	0.707	0.727	0.746	0.766	0.785	0.805	0.824	0.843	0.863	0.882	0.902
7000	0.698	0.718	0.738	0.757	0.777	0.797	0.816	0.836	0.856	0.876	0.895	0.915
7500	0.726	0.747	0.767	0.788	0.808	0.829	0.849	0.870	0.890	0.911	0.931	0.952
8000	0.752	0.773	0.794	0.815	0.836	0.858	0.879	0.900	0.921	0.943	–	–
8500	0.774	0.796	0.818	0.840	0.861	0.883	0.905	–	–	–	–	–
9000	0.794	0.816	0.838	0.861	0.883	–	–	–	–	–	–	–
9500	0.810	0.833	–	–	–	–	–	–	–	–	–	–
10000	0.838	–	–	–	–	–	–	–	–	–	–	–

T10 (Datum Rating Power) PKW

n_1,r/min	Z1								
	48	49	50	51	52	53	54	55	56
100	0.030	0.031	0.031	0.032	0.033	0.033	0.034	0.034	0.035
200	0.058	0.059	0.061	0.062	0.063	0.064	0.065	0.067	0.068
300	0.084	0.086	0.088	0.090	0.091	0.093	0.095	0.097	0.098
400	0.108	0.111	0.113	0.115	0.117	0.120	0.122	0.124	0.127
500	0.133	0.135	0.138	0.141	0.144	0.147	0.149	0.152	0.155
600	0.156	0.159	0.162	0.165	0.169	0.172	0.175	0.179	0.182
700	0.176	0.180	0.184	0.187	0.191	0.195	0.198	0.202	0.206
800	0.198	0.202	0.207	0.211	0.215	0.219	0.223	0.227	0.232
900	0.218	0.222	0.227	0.231	0.236	0.241	0.245	0.250	0.254
1000	0.236	0.241	0.246	0.251	0.256	0.261	0.266	0.271	0.276
1100	0.258	0.263	0.268	0.274	0.279	0.285	0.290	0.296	0.301
1200	0.279	0.284	0.290	0.296	0.302	0.308	0.314	0.320	0.326
1300	0.297	0.303	0.309	0.346	0.322	0.328	0.334	0.341	0.347
1400	0.314	0.321	0.323	0.334	0.341	0.347	0.354	0.361	0.367
1500	0.331	0.338	0.345	0.352	0.359	0.366	0.373	0.380	0.387
1600	0.347	0.354	0.361	0.869	0.376	0.383	0.391	0.398	0.405
1700	0.362	0.369	0.377	0.385	0.302	0.400	0.408	0.415	0.423
1800	0.330	0.388	0.396	0.404	0.412	0.420	0.428	0.436	0.444
1900	0.393	0.402	0.410	0.418	0.427	0.435	0.443	0.451	0.460
2000	0.410	0.419	0.428	0.436	0.445	0.453	0.462	0.471	0.479
2100	0.427	0.436	0.445	0.454	0.463	0.472	0.481	0.490	0.499
2200	0.443	0.452	0.461	0.471	0.480	0.489	0.499	0.508	0.517
2300	0.454	0.463	0.473	0.483	0.492	0.502	0.511	0.521	0.531
2400	0.469	0.479	0.489	0.499	0.509	0.519	0.528	0.538	0.548
2500	0.434	0.494	0.504	0.514	0.525	0.535	0.545	0.555	0.565
2600	0.498	0.509	0.519	0.530	0.540	0.551	0.561	0.572	0.582
2700	0.512	0.523	0.534	0.544	0.555	0.566	0.577	0.588	0.598
2800	0.526	0.537	0.548	0.559	0.570	0.581	0.592	0.603	0.614
2900	0.539	0.550	0.561	0.573	0.584	0.596	0.607	0.618	0.630
3000	0.552	0.563	0.575	0.586	0.598	0.610	0.621	0.633	0.645
3100	0.564	0.576	0.588	0.600	0.611	0.623	0.635	0.647	0.659
3200	0.576	0.588	0.600	0.612	0.624	0.637	0.649	0.661	0.673
3300	0.594	0.606	0.609	0.632	0.644	0.656	0.669	0.681	0.694
3400	0.605	0.608	0.631	0.644	0.656	0.669	0.682	0.695	0.707
3500	0.616	0.629	0.642	0.655	0.668	0.681	0.694	0.707	0.720
3600	0.627	0.640	0.653	0.667	0.680	0.693	0.706	0.719	0.733
3700	0.637	0.651	0.664	0.678	0.691	0.704	0.718	0.731	0.745
3800	0.647	0.661	0.674	0.688	0.702	0.715	0.729	0.743	0.756
3900	0.657	0.670	0.684	0.698	0.712	0.726	0.740	0.753	0.767
4000	0.666	0.680	0.694	0.708	0.722	0.736	0.750	0.764	0.778
4100	0.674	0.689	0.703	0.717	0.731	0.745	0.760	0.774	0.788
4200	0.691	0.705	0.720	0.735	0.749	0.764	0.778	0.793	0.807
4300	0.699	0.714	0.726	0.743	0.756	0.773	0.787	0.802	0.817
4400	0.707	0.722	0.738	0.751	0.768	0.781	0.792	0.811	0.826
4500	0.723	0.738	0.753	0.769	0.784	0.799	0.814	0.829	0.845
4600	0.730	0.745	0.761	0.776	0.791	0.807	0.822	0.838	0.853
4700	0.746	0.761	0.777	0.793	0.809	0.824	0.840	0.856	0.872
4800	0.752	0.768	0.784	0.800	0.816	0.832	0.848	0.863	0.879
4900	0.768	0.784	0.800	0.817	0.833	0.849	0.865	0.881	0.898
5000	0.774	0.790	0.807	0.823	0.839	0.856	0.872	0.888	0.905
5100	0.790	0.806	0.823	0.840	0.856	0.873	0.889	0.906	0.923
5200	0.795	0.812	0.828	0.845	0.862	0.879	0.896	0.912	0.929
5300	0.810	0.827	0.844	0.862	0.878	0.896	0.913	0.930	0.947
5400	0.815	0.832	0.849	0.867	0.884	0.901	0.918	0.935	0.953
5500	0.820	0.837	0.854	0.871	0.889	0.906	0.923	0.940	0.958
5600	0.834	0.852	0.870	0.887	0.905	0.922	0.940	0.957	0.975
5700	0.838	0.856	0.874	0.891	0.909	0.927	0.944	0.962	0.980
5800	0.853	0.871	0.889	0.907	0.925	0.943	0.961	0.979	0.997
5900	0.856	0.874	0.892	0.911	0.928	0.947	0.965	0.983	1.001
6000	0.871	0.889	0.908	0.926	0.944	0.963	0.981	0.999	1.018
6200	0.888	0.906	0.925	0.944	0.963	0.981	1.000	1.019	1.038
6400	0.904	0.923	0.942	0.961	0.980	0.999	1.019	1.037	1.057
6600	0.907	0.926	0.945	0.964	0.983	1.002	1.022	–	–
6800	0.921	0.940	0.960	0.979	0.999	–	–	–	–
7000	0.935	0.954	0.974	0.994	–	–	–	–	–

T20 (Datum Rating Power) PKW

n_1,r/min	Z1											
	15	16	17	18	19	20	21	22	23	24	25	26
100	0.036	0.039	0.041	0.044	0.046	0.049	0.051	0.053	0.056	0.058	0.061	0.063
200	0.067	0.072	0.077	0.081	0.086	0.091	0.095	0.100	0.105	0.109	0.114	0.118
300	0.096	0.103	0.109	0.116	0.123	0.129	0.136	0.142	0.149	0.156	0.162	0.169
400	0.122	0.130	0.138	0.147	0.155	0.163	0.172	0.180	0.188	0.197	0.205	0.214
500	0.146	0.156	0.166	0.176	0.186	0.196	0.206	0.216	0.226	0.236	0.246	0.256
600	0.171	0.183	0.195	0.206	0.218	0.230	0.241	0.253	0.265	0.277	0.289	0.300
700	0.191	0.204	0.218	0.231	0.244	0.257	0.270	0.283	0.296	0.310	0.323	0.336
800	0.209	0.223	0.238	0.252	0.266	0.281	0.295	0.310	0.324	0.338	0.353	0.367
900	0.224	0.240	0.255	0.271	0.286	0.302	0.317	0.332	0.348	0.363	0.379	0.394
1000	0.238	0.254	0.270	0.287	0.303	0.319	0.335	0.352	0.368	0.384	0.401	0.417
1100	0.259	0.276	0.294	0.312	0.330	0.348	0.365	0.383	0.401	0.419	0.436	0.454
1200	0.277	0.295	0.315	0.334	0.352	0.372	0.390	0.409	0.428	0.448	0.466	0.485
1300	0.296	0.317	0.337	0.358	0.378	0.398	0.418	0.439	0.459	0.480	0.500	0.520
1400	0.313	0.334	0.356	0.377	0.399	0.420	0.441	0.463	0.484	0.506	0.527	0.549
1500	0.328	0.350	0.373	0.395	0.418	0.441	0.463	0.485	0.508	0.531	0.553	0.576
1600	0.342	0.366	0.389	0.413	0.436	0.460	0.483	0.507	0.530	0.554	0.577	0.601
1700	0.359	0.384	0.409	0.434	0.458	0.483	0.507	0.532	0.557	0.582	0.606	0.631
1800	0.376	0.402	0.428	0.454	0.480	0.506	0.531	0.557	0.583	0.609	0.635	0.661
1900	0.388	0.415	0.442	0.468	0.495	0.522	0.548	0.575	0.601	0.628	0.655	0.681
2000	0.404	0.432	0.459	0.487	0.515	0.543	0.570	0.598	0.626	0.654	0.681	0.709
2200	0.434	0.464	0.493	0.523	0.553	0.583	0.612	0.642	0.672	0.702	0.732	0.762
2400	0.462	0.493	0.525	0.557	0.589	0.621	0.652	0.684	0.716	0.747	0.779	0.811
2600	0.488	0.521	0.555	0.589	0.622	0.656	0.689	0.723	0.756	0.790	0.823	0.857
2800	0.506	0.540	0.575	0.610	0.644	0.679	0.713	0.749	0.783	0.818	0.853	0.887
3000	0.527	0.564	0.600	0.636	0.672	0.709	0.744	0.781	0.817	0.854	0.890	0.926
3200	0.547	0.585	0.623	0.660	0.698	0.736	0.772	0.811	0.848	0.886	0.923	0.961
3400	0.565	0.604	0.643	0.682	0.721	0.760	0.798	0.837	0.876	0.915	0.954	0.993
3600	0.582	0.621	0.662	0.701	0.741	0.781	0.821	0.861	0.901	0.941	0.981	1.021
3800	0.596	0.637	0.678	0.719	0.759	0.801	0.841	0.882	0.923	0.964	1.005	1.046
4000	0.608	0.650	0.692	0.734	0.775	0.817	0.858	0.901	0.942	0.984	1.026	1.068
4200	0.619	0.661	0.704	0.746	0.789	0.831	0.873	0.916	0.958	1.001	1.044	1.085
4400	0.638	0.681	0.725	0.769	0.813	0.857	0.900	0.944	0.988	1.032	1.076	1.119
4600	0.656	0.701	0.746	0.791	0.836	0.881	0.925	0.971	1.016	1.061	1.106	1.151
4800	0.673	0.719	0.765	0.811	0.858	0.904	0.949	0.996	1.042	1.089	1.135	1.181
5000	0.689	0.736	0.784	0.831	0.878	0.926	0.972	1.020	1.067	1.115	1.162	–
5200	0.692	0.739	0.787	0.834	0.882	0.930	0.976	1.024	1.072	–	–	–
5400	0.705	0.753	0.802	0.850	0.899	0.947	0.995	–	–	–	–	–
5600	0.706	0.754	0.803	0.851	0.899	–	–	–	–	–	–	–
5800	0.716	0.766	0.815	–	–	–	–	–	–	–	–	–
6000	0.741	–	–	–	–	–	–	–	–	–	–	–

T20 (Datum Rating Power) PKW

n_1,r/min	Z1											
	27	28	29	30	31	32	33	34	35	36	37	38
100	0.066	0.068	0.071	0.073	0.076	0.078	0.081	0.083	0.086	0.088	0.091	0.093
200	0.123	0.128	0.132	0.137	0.142	0.146	0.151	0.156	0.160	0.165	0.169	0.174
300	0.176	0.182	0.189	0.195	0.202	0.209	0.215	0.222	0.228	0.235	0.242	0.248
400	0.222	0.230	0.239	0.247	0.255	0.264	0.272	0.280	0.289	0.297	0.305	0.314
500	0.267	0.277	0.287	0.297	0.307	0.317	0.327	0.337	0.347	0.357	0.367	0.377
600	0.312	0.324	0.336	0.347	0.359	0.371	0.383	0.394	0.406	0.418	0.430	0.441
700	0.349	0.362	0.375	0.388	0.401	0.415	0.428	0.441	0.454	0.467	0.480	0.493
800	0.381	0.396	0.410	0.425	0.439	0.453	0.468	0.482	0.496	0.511	0.525	0.539
900	0.410	0.425	0.440	0.456	0.471	0.487	0.502	0.518	0.533	0.548	0.564	0.579
1000	0.433	0.450	0.466	0.482	0.499	0.515	0.531	0.548	0.564	0.580	0.597	0.613
1100	0.472	0.490	0.508	0.525	0.543	0.561	0.579	0.596	0.614	0.632	0.650	0.668
1200	0.505	0.524	0.542	0.562	0.581	0.599	0.618	0.638	0.656	0.676	0.695	0.713
1300	0.541	0.561	0.582	0.602	0.622	0.643	0.663	0.684	0.704	0.724	0.745	0.765
1400	0.570	0.592	0.613	0.635	0.656	0.678	0.699	0.721	0.742	0.764	0.785	0.807
1500	0.598	0.621	0.643	0.666	0.688	0.711	0.733	0.756	0.778	0.801	0.823	0.846
1600	0.624	0.648	0.671	0.695	0.718	0.742	0.765	0.789	0.812	0.836	0.859	0.883
1700	0.656	0.680	0.705	0.730	0.755	0.779	0.804	0.829	0.853	0.878	0.903	0.927
1800	0.687	0.712	0.738	0.764	0.790	0.816	0.842	0.868	0.893	0.919	0.945	0.971
1900	0.708	0.735	0.761	0.788	0.815	0.842	0.868	0.895	0.922	0.948	0.975	1.002

T20 (Datum Rating Power) PKW

n_1,r/min	Z1											
	27	28	29	30	31	32	33	34	35	36	37	38
2000	0.737	0.765	0.792	0.820	0.848	0.876	0.903	0.931	0.959	0.987	1.014	1.042
2200	0.792	0.821	0.851	0.881	0.911	0.940	0.970	1.000	1.030	1.060	1.090	1.119
2400	0.843	0.874	0.906	0.938	0.970	1.001	1.033	1.065	1.096	1.128	1.160	1.192
2600	0.890	0.927	0.957	0.991	1.024	1.058	1.091	1.125	1.158	1.192	1.226	1.259
2800	0.922	0.957	0.992	1.037	1.061	1.096	1.131	1.165	1.200	1.235	1.270	1.304
3000	0.962	0.998	1.035	1.071	1.107	1.143	1.179	1.216	1.252	1.288	1.325	1.361
3200	0.999	1.036	1.074	1.112	1.149	1.187	1.224	1.262	1.299	1.337	1.375	1.412
3400	1.032	1.070	1.109	1.148	1.187	1.226	1.264	1.304	1.342	1.381	1.420	1.459
3600	1.061	1.101	1.141	1.181	1.221	1.126	1.301	1.341	1.381	1.421	1.461	1.500
3800	1.087	1.128	1.169	1.210	1.251	1.292	1.332	1.374	1.414	1.456	1.496	–
4000	1.110	1.151	1.193	1.235	1.277	1.318	1.360	1.402	1.444	–	–	–
4200	1.129	1.171	1.214	1.256	1.299	1.341	1.383	–	–	–	–	–
4400	1.163	1.207	1.251	1.295	1.339	–	–	–	–	–	–	–
4600	1.196	1.241	1.286	–	–	–	–	–	–	–	–	–
4800	1.228	–	–	–	–	–	–	–	–	–	–	–

n_1,r/min	Z1											
	39	40	41	42	43	44	45	46	47	48	49	50
100	0.096	0.098	0.101	0.103	0.106	0.108	0.111	0.113	0.166	0.118	0.120	0.123
200	0.179	0.183	0.188	0.193	0.197	0.202	0.207	0.211	0.216	0.220	0.225	0.230
300	0.255	0.261	0.268	0.275	0.281	0.288	0.295	0.301	0.308	0.314	0.321	0.328
400	0.322	0.331	0.339	0.347	0.356	0.364	0.372	0.381	0.389	0.397	0.406	0.414
500	0.387	0.397	0.407	0.417	0.427	0.437	0.447	0.457	0.467	0.477	0.487	0.497
600	0.453	0.465	0.477	0.488	0.500	0.512	0.524	0.535	0.547	0.559	0.571	0.582
700	0.507	0.520	0.533	0.546	0.559	0.572	0.585	0.599	0.612	0.625	0.638	0.651
800	0.554	0.568	0.582	0.597	0.611	0.626	0.640	0.654	0.669	0.683	0.697	0.712
900	0.592	0.610	0.626	0.641	0.656	0.672	0.687	0.703	0.718	0.733	0.749	0.764
1000	0.629	0.646	0.662	0.678	0.695	0.711	0.727	0.744	0.760	0.776	0.793	0.809
1100	0.685	0.703	0.721	0.749	0.756	0.774	0.792	0.810	0.828	0.845	0.863	0.881
1200	0.733	0.752	0.770	0.789	0.809	0.827	0.846	0.866	0.884	0.903	0.923	0.941
1300	0.785	0.806	0.826	0.846	0.867	0.887	0.908	0.928	0.948	0.969	0.989	1.009
1400	0.828	0.850	0.871	0.893	0.914	0.936	0.957	0.979	1.000	1.021	1.043	1.064
1500	0.869	0.891	0.913	0.936	0.959	0.981	1.004	1.026	1.049	1.071	1.094	1.116
1600	0.906	0.930	0.953	0.977	1.000	1.024	1.047	1.071	1.094	1.118	1.141	1.165
1700	0.952	0.977	1.001	1.026	1.051	1.076	1.100	1.125	1.150	1.174	1.199	1.224
1800	0.997	1.023	1.048	1.074	1.100	1.126	1.152	1.178	1.204	1.229	1.255	1.281
1900	1.028	1.055	1.082	1.108	1.135	1.162	1.188	1.215	1.242	1.268	1.295	1.322
2000	1.070	1.098	1.125	1.153	1.181	1.209	1.236	1.264	1.292	1.319	1.347	1.375
2200	1.149	1.179	1.209	1.238	1.268	1.298	1.328	1.358	1.388	1.417	1.447	1.477
2400	1.223	1.255	1.287	1.318	1.350	1.382	1.414	1.446	1.477	1.509	1.541	1.572
2600	1.293	1.326	1.360	1.393	1.427	1.460	1.494	1.527	1.561	1.594	1.628	–
2800	1.339	1.374	1.409	1.443	1.478	1.513	1.547	1.582	1.617	–	–	–
3000	1.397	1.433	1.469	1.506	1.542	1.578	1.614	–	–	–	–	–
3200	1.450	1.488	1.525	1.563	1.600	–	–	–	–	–	–	–
3400	1.498	1.537	1.575	–	–	–	–	–	–	–	–	–
3600	1.541	–	–	–	–	–	–	–	–	–	–	–

n_1,r/min	Z1										
	51	52	53	54	55	56	57	58	59	60	61
100	0.125	0.128	0.130	0.133	0.135	0.138	0.140	0.145	0.145	0.148	0.150
200	0.234	0.239	0.244	0.248	0.253	0.258	0.262	0.267	0.271	0.276	0.281
300	0.334	0.341	0.347	0.354	0.361	0.367	0.374	0.380	0.387	0.394	0.400
400	0.422	0.431	0.439	0.448	0.456	0.464	0.473	0.481	0.489	0.498	0.506
500	0.507	0.518	0.528	0.538	0.548	0.558	0.568	0.578	0.588	0.598	0.608
600	0.594	0.606	0.618	0.659	0.641	0.653	0.665	0.676	0.688	0.700	0.712
700	0.664	0.677	0.691	0.704	0.717	0.730	0.743	0.756	0.769	0.783	0.796
800	0.726	0.741	0.755	0.769	0.784	0.798	0.812	0.827	0.841	0.855	0.870
900	0.780	0.795	0.811	0.826	0.842	0.857	0.872	0.888	0.903	0.919	0.934
1000	0.825	0.842	0.858	0.874	0.891	0.907	0.923	0.939	0.956	0.972	0.988
1100	0.899	0.916	0.934	0.952	0.970	0.987	1.005	1.023	1.041	1.059	1.076
1200	0.960	0.980	0.999	1.017	1.037	1.056	1.074	1.094	1.113	1.131	1.150
1300	1.030	1.050	1.071	1.091	1.111	1.132	1.152	1.172	1.193	1.213	1.233
1400	1.086	1.107	1.129	1.150	1.172	1.193	1.215	1.236	1.258	1.279	1.301
1500	1.139	1.161	1.184	1.206	1.229	1.251	1.274	1.296	1.319	1.341	1.364
1600	1.188	1.212	1.235	1.259	1.282	1.306	1.329	1.353	1.376	1.400	1.423
1700	1.248	1.273	1.298	1.323	1.347	1.372	1.397	1.421	1.446	1.471	1.495
1800	1.307	1.333	1.359	1.385	1.411	1.436	1.462	1.488	1.514	1.540	1.566
1900	1.348	1.375	1.402	1.428	1.455	1.482	1.508	1.535	1.562	1.588	1.615
2000	1.403	1.431	1.458	1.486	1.514	1.542	1.569	1.597	1.625	1.652	1.680
2200	1.507	1.537	1.566	1.596	1.626	1.656	1.686				
2400	1.604	1.636	1.668								

T20 (Datum Rating Power) PKW

n_1,r/min	Z1												
	62	63	64	65	66	67	68	69	70	71	72	73	74
100	0.153	0.155	0.158	0.160	0.463	0.165	0.168	0.170	0.173	0.175	0.177	0.180	0.180
200	0.285	0.290	0.294	0.298	0.303	0.308	0.314	0.319	0.323	0.327	0.332	0.337	0.341
300	0.406	0.413	0.419	0.425	0.431	0.438	0.445	0.451	0.457	0.464	0.470	0.477	0.483
400	0.516	0.525	0.533	0.542	0.550	0.558	0.567	0.575	0.583	0.591	0.599	0.607	0.615
500	0.618	0.627	0.637	0.647	0.657	0.667	0.687	0.698	0.697	0.707	0.717	0.727	0.737
600	0.723	0.735	0.747	0.758	0.770	0.782	0.794	0.806	0.817	0.829	0.841	0.853	0.864
700	0.809	0.822	0.834	0.847	0.860	0.872	0.885	0.898	0.911	0.924	0.937	0.949	0.962
800	0.885	0.899	0.914	0.929	0.943	0.958	0.973	0.987	1.002	1.016	1.030	1.044	1.058
900	0.950	0.965	0.981	0.996	1.012	1.027	1.042	1.057	1.072	1.087	1.102	1.118	1.133
1000	1.004	1.020	1.036	1.053	1.069	1.085	1.101	1.118	1.134	1.150	1.167	1.183	1.199
1100	1.094	1.111	1.129	1.147	1.165	1.183	1.200	1.218	1.236	1.253	1.271	1.289	1.307
1200	1.169	1.187	1.207	1.226	1.244	1.264	1.283	1.301	1.321	1.340	1.359	1.378	1.397
1300	1.253	1.273	1.293	1.314	1.334	1.354	1.374	1.395	1.415	1.435	1.456	1.476	1.496
1400	1.322	1.344	1.365	1.387	1.408	1.430	1.451	1.473	1.494	1.516	1.537	1.559	1.580
1500	1.386	1.408	1.431	1.454	1.476	1.499	1.521	1.544	1.566	1.589	1.611	1.634	1.656
1600	1.447	1.470	1.494	1.517	1.541	1.564	1.588	1.611	1.635	1.658	1.682	1.705	1.729
1700	1.519	1.544	1.569	1.593	1.61	1.642	1.666	1.691	1.715	–	–	–	–
1800	1.592	1.618	1.643	1.668	–	–	–	–	–	–	–	–	–

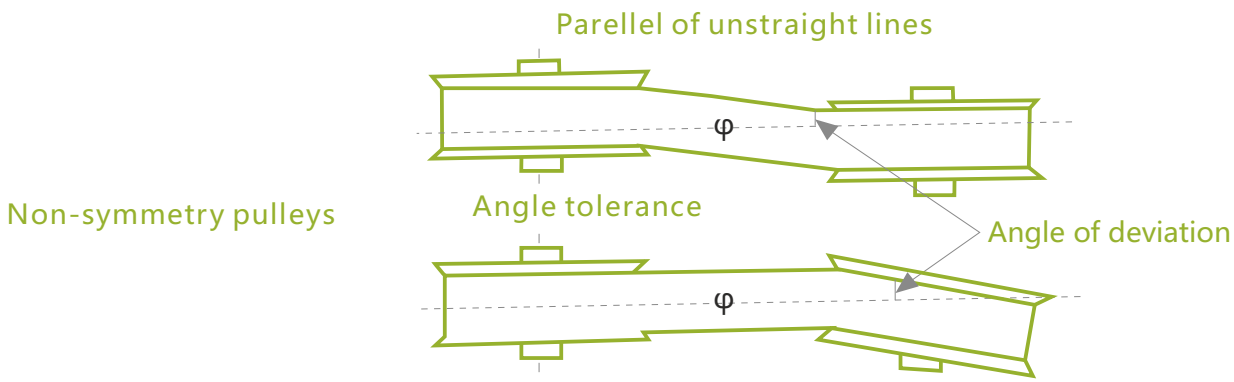
n_1,r/min	Z1												
	75	76	77	78	79	80	81	82	83	84	85	86	87
100	0.158	0.187	0.189	0.193	0.195	0.198	0.200	0.203	0.205	0.208	0.210	0.213	0.215
200	0.346	0.351	0.355	0.360	0.365	0.369	0.373	0.378	0.383	0.387	0.391	0.396	0.401
300	0.490	0.496	0.503	0.509	0.516	0.522	0.529	0.535	0.542	0.548	0.555	0.561	0.568
400	0.623	0.631	0.639	0.647	0.653	0.662	0.670	0.679	0.687	0.695	0.703	0.711	0.720
500	0.747	0.757	0.767	0.777	0.787	0.797	0.807	0.817	0.827	0.837	0.847	0.857	0.867
600	0.876	0.888	0.899	0.911	0.923	0.935	0.946	0.958	0.970	0.981	0.993	1.005	1.016
700	0.975	0.988	1.001	1.014	1.027	1.040	1.053	1.066	1.079	1.092	1.105	1.118	1.131
800	1.072	1.086	1.100	1.114	1.128	1.142	1.156	1.170	1.184	1.198	1.212	1.226	1.240
900	1.148	1.163	1.178	1.193	1.208	1.225	1.240	1.254	1.268	1.282	1.297	1.311	1.326
1000	1.215	1.231	1.247	1.254	1.270	1.286	1.302	1.319	1.335	1.351	1.367	1.383	1.399
1100	1.324	1.342	1.360	1.377	1.395	1.412	1.430	1.448	1.466	1.484	1.502	1.520	1.537
1200	1.416	1.435	1.454	1.473	1.492	1.509	1.528	1.547	1.566	1.585	1.604	1.623	1.642
1300	1.516	1.537	1.557	1.577	1.597	1.617	1.637	1.658	1.678	1.698	1.718	1.738	1.758
1400	1.602	1.624	1.645	1.667	1.688	1.709	1.731	1.753	1.774	1.796	1.818	–	–
1500	1.679	1.701	1.724	1.746	1.769	1.791	–	–	–	–	–	–	–
1600	1.753	–	–	–	–	–	–	–	–	–	–	–	–

n_1,r/min	Z1												
	88	89	90	91	92	93	94	95	96	97	98	99	100
100	0.218	0.220	0.223	0.225	0.228	0.230	0.233	0.235	0.238	0.240	0.243	0.245	0.248
200	0.406	0.410	0.415	0.420	0.424	0.429	0.434	0.439	0.443	0.448	0.452	0.457	0.462
300	0.574	0.580	0.586	0.593	0.599	0.606	0.612	0.619	0.626	0.633	0.639	0.646	0.650
400	0.729	0.738	0.746	0.754	0.762	0.770	0.778	0.786	0.794	0.802	0.810	0.818	0.826
500	0.877	0.887	0.897	0.907	0.917	0.927	0.937	0.947	0.957	0.967	0.977	0.987	0.997
600	1.027	1.038	1.050	1.062	1.073	1.084	1.096	1.107	1.118	1.129	1.140	1.151	1.162
700	1.154	1.167	1.170	1.183	1.196	1.209	1.222	1.235	1.248	1.261	1.274	1.287	1.300
800	1.254	1.268	1.282	1.296	1.310	1.324	1.338	1.352	1.366	1.380	1.394	1.408	1.422
900	1.340	1.355	1.369	1.383	1.397	1.412	1.427	1.442	1.456	1.471	1.496	1.510	1.525
1000	1.416	1.432	1.448	1.464	1.480	1.496	1.512	1.528	1.544	1.560	1.576	1.592	1.608
1100	1.555	1.573	1.591	1.608	1.626	1.644	1.661	1.679	1.697	1.715	1.732	1.749	1.767
1200	1.661	1.680	1.699	1.718	1.737	1.756	1.775	1.794	1.813	1.832	1.851	1.870	1.889
1300	1.778	1.798	1.818	1.838	1.858	–	–	–	–	–	–	–	–

The installation, maintenance, failure mode, and correcting measures of belt transmission

The correct installation of belt

(1) Switch off the power, remove the protective cap.loosen the assembly bolt. Move the motor to make the belt loose, you can take off the belt without prying, prying the belt off is not allowed.
(2) Take off the old belt, then check if there is any abnormal wear and tear. Excessive wear and tear may indicate there are some problems with the design or maintenance.
(3) Choose the proper belt for changing.
(4) Clean the belt and the pulley,use a cloth with some liquid which can't volatilize easily to wipe. Soaking in the cleanser or brush the belt with cleanser are not good; use the sand paper or sharp subject to scratch are not Proper. The belt must be dry before using.
(5) Check the pulley if there is any abnormal wear and tear or crack, if the wear and tear is excessive, the pulley must be Changed.
(6) Check the pulley to see if it is symmetrical of straight line, this is very important for the performance of the transmission especially for the timing belt drive.



(7) Check the rest parts of the driving device, for example, the symmetry of the bearing and the bearing boot, durability and lubrication, etc.
(8) When installing a new belt on the pulley,prying or using too much force is not allowed.
(9) Adjust and tighten the central distance of the driving device, until the tension is proper measured by the tension gauge. Use hand to roate the driving pulley for several rounds and measures the tension again.
(10) Tighten the assembly bolt of the motor, correct the torque,because any change of the central distance will cause the bad property of the belt. Please ensure the driving device are all tigntened.
(11) Switch on the power and observe the property of the belt if there is any unusual vibration, listen carefully to see if there are any unusual noises. If yes you'd better turn off the machine, then check the condition of bearing and motor, if the temperature is very high, maybe because the belt is too tight or the bearing is not symmetrical. or the lubrication is not Correct.

The installation, maintenance, failure mode, and correcting measures of belt drive

Belt and pulley maintenance

(1)The belt can't be crimped and bend sharply, the minimum bending diametersee the Figure 2, Chart 2.
(2)During the process of the storage and transportation, Keep the belt and the pulley out of direct sunlight, not get wet from rain and snow, prevent it from touching the acid, alkali, organic solvent and steam etc, which can influece property of the belt.
(3)Storage under the usual temperature, from-20℃~50℃,and keep it away from heat source at lest 1 meter.
(4)During the storage, it can't be piled up, for the weight might cause the change of the shapeand it can't be placed on the ground Directly, it should be hanged on the shelf or put on the shelf.
(5)The finished pulley should be stored and transported under dry and ventilated Environment, and the anti-rust procesing is also needed.
(6)The belt driving device should haveprotective cap, and the discharge of the pollution and ventilation must be assured.

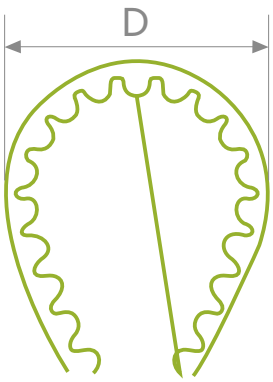


Figure2 The miniumum Crimp diameter of timing belt

Chart2 The miniumum Crimp diameter of timing belt

Type	D , mm The minumum crimp diameter allowed
MXL,XXL,T2.5	15
XL,T5 AT5	15
L, T10 AT10	20
H	40
XH, T20 AT20	70
XXH	100
3M S2M, S3M, P3M	15
5M S4.5M, S5M, P5M	25
8M S8M P8M	40
14M S14M P14M	80

The reasons, resolutions and preventive measures of belt failure. The reasons and corrective measures.

The mode of failure	Reasons	Corrective measures
Belt crack	1.Overload 2.The inertia of the driven pulley is too much. 3.The diameter of the pulley is too small. 4.The initial tension is too much. 5.Folding and twisting of the belt for improper operation. 6.The shock load is too much. 7.The belt climbs to the protective ring. 8.Broken pieces or other matters fall into the driving device.	1.Check the design,choose the corrrct belt width. 2.Choose the correct pulley 3.Redesign numbers of the meshing teeth. 4.Adjust the proper initial tension. 5.Careful operation when storing and transporting. 6.Prevent unexpected accident from happening, change the design. 7.Adjust the parallelism of the axis,check the protective ring. 8.Clean the pollutant and check the protective fender.
Excessive wear and tear of the belt sides	1.Pulleys are not parallel. 2.The rigidity of the bear is not enough. 3.The protective ring is out of shape. 4.The rough surface of the protective ring. 5.The belt touches the protective fender or stand of the gear.	1.Adjust the parallelism. 2.Strengthen the rigidity and make it fixed. 3.Correct or change the protective ring. 4.Correct or change the protective ring. 5.Check the protective fender or stand
Excessive wear and tear of the belt teeth	1.Overload. 2.Too much initial tension. 3.The rough surface of the groove. 4.Severe vertical jump of the pulley. 5.Dust or pieces of sand. 6.Violent vibration. 7.Too much pollutant fall into the groove.	1.Check the design, choose the proper belt width. 2.Adjust to proper initial tension. 3.Check and adjust the roughness of the groove's surface. 4.Check and adjust the vertical jump. 5.Avoild other things enter. 6.Adjust the structure or use devices to reduce the vibration. 7.Clear pollutant.
Teeth cutting	1.Overload or the shock load is too much. 2.The meshing teeth are not enough, less than 6 meshing teeth or the numbers of belt teeth is the multiple of the pulley teeth. 3.The initial tension is not enought. 4.The diameter of the pulley is too small. 5.The environmental temperature is too high or oil and other things get in. 6.It shut down because of unexpected accident.The load enlarge suddenly.	1.Check the design. 2.Check the design,and make the number of the teeth be an odd. 3.Adjust the initial tension. 4.Enlarge the diameter of the pulley. 5.Change the environment temperature and use a protective cap. 6.Check the devices,prevent the accident from happening.
Vertical crack of belt	1.Belt runs out of the pulley. 2.Belt runs to the protective ring. 3.When installing , the belt set on the protectve ring.	1.Adjust the parslllelism. 2.Adjust the parallelism and check the protective ring. 3.Careful installation
Belt stretch	1. The bear is not fixed well,then the central distance reduced when it works. 2.The tensile members are loose. 3.The tensioning pulley gets loose 4.Pulley wears. 5.Overload.	1.Careful installation or improve the structure when designing 2.Change the belt. 3.Check the tensioning pulley careful when installation. 4.Change the pulley. 5.Check the design, change the belt width.
Crack of the belt back or of the belt becomes soft	The environmental temperature is too high	Change the environmental temperature
Too much running noise	1.Overload. 2.The initial tension is too high. 3.The pulleys are not parallel. 4.The diameter of the pulley is less than the belt width. 5.Belt can't mesh well with the belt teeth.	1.Change the design. 2.Adjust the initial tension. 3.Adjust the parallelism, make it accurate when installing. 4.Check the design. 5.Check the belt and pulley.

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