P 5 M

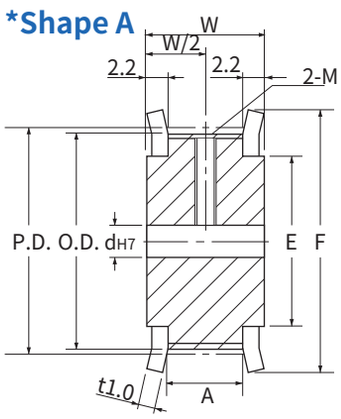
High Torque

Ex Order.(For detailed ordering examples, please refer to page 04.)

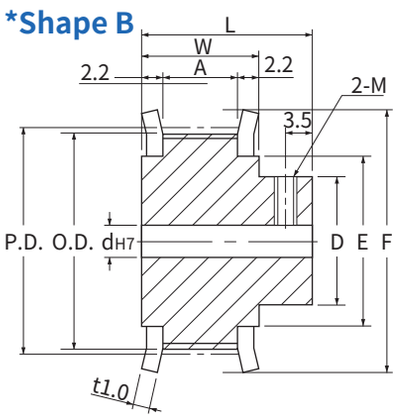
Teeth Type	-	Shape	-	Material	-	Surface Treatment	-	Belt Width	-	Number of teeth	-	Processing project of shaft hole
P5M		A		AL		WA		10		12		H5
P5M		B		CS		BK		15		14		F5 - Z7 - J3.0

Please refer to pages 05-06 for additional work item details.

*Shape A



*Shape B



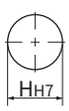
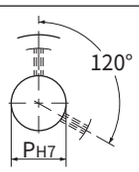
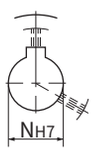
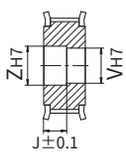
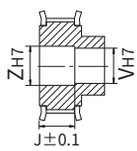
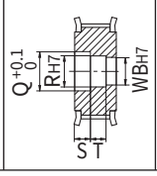
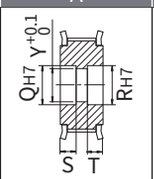
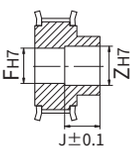
Material	Surface Treatment
Aluminum AL	white anode WA
	Black anode BA
	Hard anode HA
	Electroless nickel NE
S45C CS	Black oxide BK
	Electroless nickel NE

*Hard anode to a film's hardness of 300HV~.
*A small part of the processed area may not have a surface treatment.
*When the tooth count is 15, 34, or 72, the material is carbon steel (CS).

Type			P.D.		O.D.		F		E		D	Material	
Belt Width mm	Pulley Shape	Number of teeth	A Shape	B Shape	A Shape	B Shape	A Shape	B Shape	A Shape	B Shape		AL	CS
10 ※A:11.6 ※W:16 ※L:28	A B	12	19.10		17.96		22		14		11	●	●
		14	22.28		21.14		25		16		13	●	●
		*15	23.87		22.73		28		18		15	●	-
		16	25.46		24.32		30		20		17	●	●
		18	28.65		27.51		32		23		19	●	●
		20	31.83		30.69		35		25		19	●	●
		22	35.01		33.87		40		28		25	●	●
		24	38.20		37.06		44		32		25	●	●
		25	39.79		38.65						30		
		26	41.38		40.24		48		36		30	●	●
		28	44.56		43.42		50		38		32	●	●
15 ※A:16.6 ※W:21 ※L:33		30	47.75		46.60		55		40		35	●	●
		32	50.93		49.79						38	●	●
		*34	54.11		52.97		61		46		42	●	-
		36	57.30		56.15		67		50		44	●	●
		40	63.66		62.52						48	●	●
		44	70.03		68.89		74		58		56	●	●
		48	76.39		75.25		83		63		58	●	●
		50	79.58		78.44		87		67		64	●	●
		60	95.49		94.35		104		84		80	●	●
		*72	114.59		113.45		119		100		90	●	-

Belt Width 10mm · 15mm

Shaft hole processing items (refer to P . 0.7 - 0.8 for keyway and grommet groove dimensions).

H Round hole	P Round hole + tapping	N(new JIS) C(old JIS) Keyway holes + tapping	V Neck hole		WB Double neck holes	Y Both ends neck holes	F Neck hole (Hub Side Countersunk Hole)
			A	B	A	A	B
							

Accessory fixing screws for P, N, C-axis hole processing service.

Axis diameter	2-M thick thread	Attachment Fixing Screws
5~12	M4	M4X3
13~17	M5	M5X4
18~30	M6	M6X5
31~45	M8	M8X6
46~70	M10	M10X8

*Flanges are installed. Set screws are included with P, N & C bore hole specification

*Tolerance of hole dimensions on the hub side and end faces is ±0.3.

*No tapped holes and set screws for H, V, Y, F, WB shaft holes.

*For H, P, V the shaft hole diameter can be selected from 4.5, 6.35 as long as it is within the selection range.

*When the shaft hole specification is N, it is not possible to make the shaft hole diameter of 9.

*NK10 can also be selected within the range of options when the shaft hole specification is N.

*When the shaft hole specification is C, it is not possible to make shaft hole diameter of 8, 11, 13, 14, 17, 21-50

*Z-V ≥ 2 when the shaft hole specification is V.

*Q(R) - Y≥2 for Y shaft hole specification ; applicable to A-shape only.

*Q-R ≥ 2 and R-WB ≥ 2 for WB shaft hole specification; for A-shape only.

*Z−F≥2 for F shaft hole specification; for B-shape only.

Shaft hole specifications (specified unit: 1mm).

Number of teeth	H Round hole		P Round hole + tapping		N(C) Keyway holes + tapping		V・F Neck hole						Y Both ends neck holes・WB Double neck holes		
							V	V・F	Z		J (In units of 0.1mm.)		Y・WB	Q・R	S・T (In units of 0.1mm.)
	A	B	A	B	A	B	A	B	A	B	A	B	A	A	A
12	5~10	5~7	5・6	-	-	-	5~8	5	7~10	7	3.0≤J ≤W-3.0	3.0≤J ≤L-3.0	5~8	7~10	3.0~14.0 S+T≤W-3
14	5~11	5~9	5~8	5			5~9	5~7	7~11	7~9			5~9	7~11	
15	5~14	5~11	5~8	5~7	8		5~12	5~9	7~14	7~11			5~12	7~14	
16	5~15	5~13	5~10	5~9	8	8	5~13	5~11	7~15	7~13			5~13	7~15	
18	6~17	6~15	6~13	6~11	8~11	8~10	6~15	6~13	8~17	8~15			6~15	8~17	
20	6~17	6~15	6~15	6~11	8~11	8~10	6~15	6~13	8~17	8~15			6~15	8~17	
22	8~22	8~21	8~17	8~17	8~15	8~15	8~20	8~19	10~22	10~21			8~20	10~22	
24	8~22	8~21	8~20	8~17	8~15	8~15	8~20	8~19	10~22	10~21			8~20	10~22	
25	10~25	10~25	10~20	10~20	10~18	10~18	10~23	10~23	12~25	12~25			10~23	12~25	
26	10~25	10~25	10~20	10~20	10~18	10~18	10~23	10~23	12~25	12~25			10~23	12~25	
28	10~27	10~27	10~22	10~22	10~20	10~20	10~25	10~25	12~27	12~27			10~25	12~27	
30	12~29	12~29	12~24	12~24	12~22	12~22	12~27	12~27	14~29	14~29			12~27	14~29	
32	12~31	12~31	12~26	12~26	12~25	12~25	12~29	12~29	14~31	14~31			12~29	14~31	
34	12~35	12~35	12~30	12~30	12~25	12~25	12~33	12~33	14~35	14~35			12~33	14~35	
36	12~35	12~35	12~34	12~32	12~30	12~30	12~33	12~33	14~35	14~35			12~33	14~35	
40	12~37	12~37	12~34	12~34	12~32	12~32	12~35	12~35	14~37	14~37			12~35	14~37	
44	15~43	15~43	15~42	15~42	15~38	15~38	15~41	15~41	17~43	17~43			15~41	17~45	
48	15~43	15~43	15~43	15~43	15~38	15~38	15~41	15~41	17~43	17~43			15~41	17~46	
50	15~47	15~47	15~45	15~45	15~40	15~40	15~45	15~45	17~47	17~47			15~45	17~50	
60	15~57	15~57	15~45	15~45	15~40	15~40	15~55	15~55	17~57	17~57			15~55	17~60	
72	15~85	15~84	15~70	15~70	15~50	15~50	15~85	15~82	17~91	17~86			15~80	17~92	