S 3 M

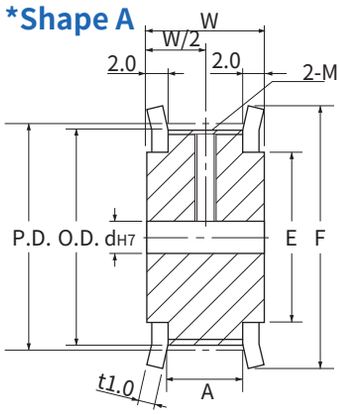
High Torque

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

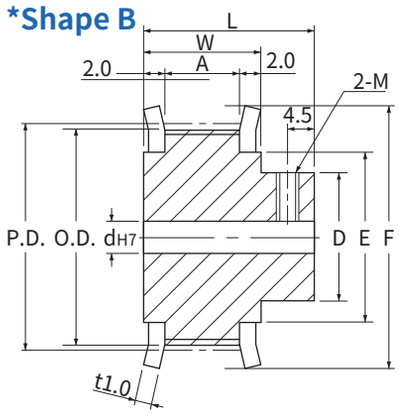
Teeth Type	-	Shape	-	Material	-	Surface Treatment	-	Belt Width	-	Number of teeth	-	Processing project of shaft hole
S3M		A		AL		WA		6		14		H4
S3M		B		CS		BK		10		24		F4 - Z6 - J2.0
S3M		K		CS		NE		15		15		P4

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

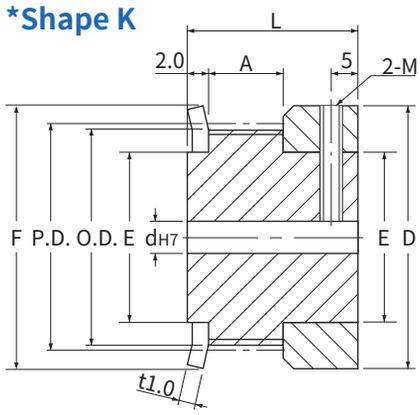
*Shape A



*Shape B



*Shape K



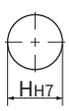
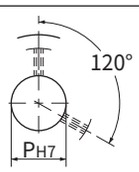
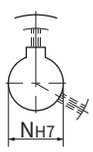
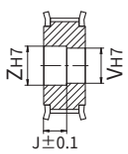
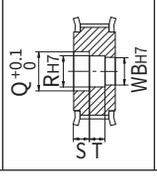
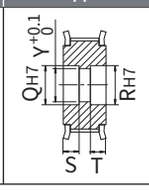
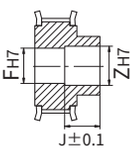
Material	Surface Treatment
Aluminum AL	white anode WA
	Black anode BA
	Hard anode HA
	Electroless nickel NE
S45C CS	-
	Black oxide BK
	Electroless nickel NE

*Hard anode to a film's hardness of 300HV~.
*A small part of the processed area may not have a surface treatment.

Type			P.D.			O.D.			F			E			D	
Belt Width mm	Pulley Shape	Number of teeth	A Shape	B Shape	K Shape	A Shape	B Shape	K Shape	A Shape	B Shape	K Shape	A Shape	B Shape	K Shape	B Shape	K Shape
6 ※A:7 ※W:11 ※L:19	A K	14	13.37	-	13.37	12.61	-	12.61	16	-	16	10	-	10	-	16
		15	14.32		14.32	13.56		13.56	18		18	11		11		18
		16	15.28		15.28	14.52		14.52								
		18	17.19		17.19	16.43		16.43	20		20	13		13		20
		19	18.14		18.14	17.38		17.38	22		22	14		14		22
		20	19.10		19.10	18.34		18.34								
		22	21.01		21.01	20.25		20.25	25		25	16		16		25
10 ※A:11 ※W:15 ※L:23	A B	24	22.92	-		22.16	-		25	-		16	-		14	-
		25	23.87			23.11			28			18			16	
		26	24.83			24.07										
		28	26.74			25.98			30			20			18	
		30	28.65			27.89			32			23			20	
		32	30.56			29.80			35			25				
		34	32.47			31.71			40			28			26	
		36	34.38			33.62										
15 ※A:17 ※W:21 ※L:29		40	38.20			37.44			44			32			30	
		44	42.02			41.25			48			36			32	
		48	45.84			45.07			50			38			34	
		50	47.75			46.98			52			40				
		60	57.30			56.53			61			46			39	
		72	68.75			67.99			74			58			50	

Belt Width 6mm · 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
A形	B・K形		
4~5		M3	M3X3
6~17		M4	M4X3
18~33		M5	M5X4
34~46	34~38	M6	M6X5

*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.
*When shaft hole specification P, width 6 is not applicable for teeth up to 22.
*No tapped holes and set screws for H, V, 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, 21~45
*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	K	A	B	K	A	B	A	B	A	B	A	B	A	A	A
14	4~6		4~6	4		4~6			4		6				4	6	
15	4~7		4~6	4・4.5・5		4~6			4・4.5・5		6・7				4・5	6・7	
16	4~7		4~7	4・4.5・5		4~7			4・4.5・5		6・7				4・5	6・7	
18	4~9	-	4~8	4~6	-	4~8	-	-	4~7		6~9	-			4~7	6~9	
19	4~10		4~8	4~6		4~8			4~8		6~10				4~8	6~10	
20	4~10		4~8	4~6		4~8			4~8		6~10				4~8	6~10	
22	4~12		4~10	4~8		4~10			4~10		6~12				4~10	6~12	
24	4~12	4~10		4~10	4~8				4~10	4~8	6~12	6~10			4~10	6~12	
25	4~14	4~12		4~11	4~10		8~11	8	4~12	4~10	6~14	6~12			4~12	6~14	
26	5~14	5~12		5~11	5~10		8~11	8	5~12	5~10	7~14	7~12	2.0≤J ≤W-2.0	2.0≤J ≤L-2.0	5~12	7~14	3.0~9.0 S+T≤W-3
28	5~16	5~14		5~13	5~10		8~13	8	5~14	5~12	7~16	7~14			5~14	7~16	
30	6~19	6~16		6~15	6~12		8~14	8~11	6~17	6~14	8~19	8~16			6~17	8~19	
32	6~21	6~16		6~17	6~12		8~17	8~11	6~19	6~14	8~21	8~16			6~19	8~21	
34	6~24	6~22	-	6~18	6~18	-	8~18	8~15	6~22	6~20	8~24	8~23			6~22	8~24	
36	6~24	6~22		6~18	6~18		8~19	8~15	6~22	6~20	8~24	8~23			6~22	8~24	
40	8~28	8~26		8~23	8~21		8~23	8~17	8~26	8~24	10~28	10~26			8~26	10~28	
44	8~32	8~28		8~26	8~23		8~25	8~18	8~30	8~26	10~32	10~28			8~30	10~32	
48	8~34	8~30		8~28	8~25		8~27	8~20	8~32	8~28	10~34	10~30			8~32	10~34	
50	8~36	8~30		8~30	8~25		8~29	8~20	8~34	8~28	10~36	10~30			8~34	10~36	
60	8~42	8~35		8~34	8~30		8~35	8~22	8~40	8~33	10~42	10~35			8~40	10~42	
72	8~54	8~46		8~46	8~38		8~45	8~33	8~52	8~44	10~54	10~46			8~52	10~54	