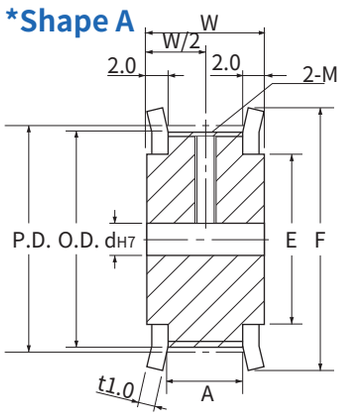
S 2 M — High Torque

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

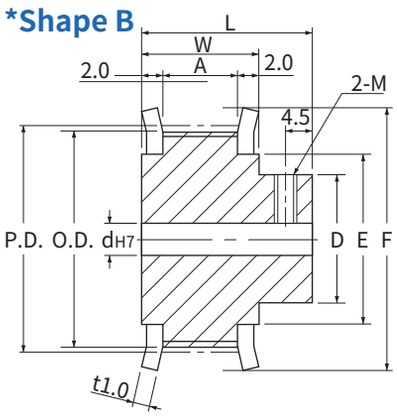
Teeth Type	-	Shape	-	Material	-	Surface Treatment	-	Belt Width	-	Number of teeth	-	Processing project of shaft hole
S2M		A		AL		WA		4		14		H3
S2M		B		CS		BK		6		32		F4 - Z6 - J2.0
S2M		K		CS		NE		10		15		P3

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

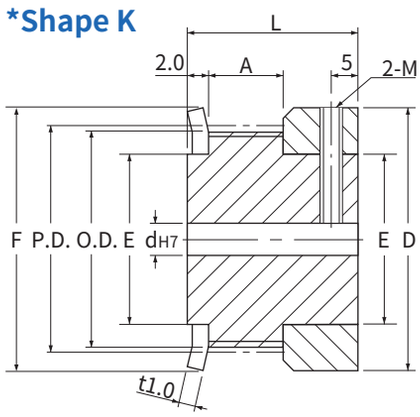
*Shape A



*Shape B



*Shape K



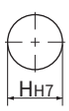
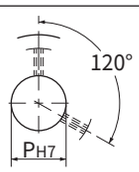
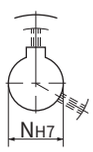
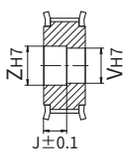
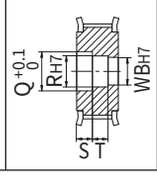
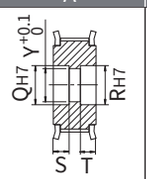
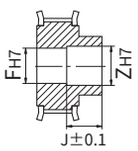
Material	Surface Treatment
Aluminum AL	white anode WA
	Black anode BA
	Hard anode HA
	Electroless nickel NE
S45C CS	-
	Black oxide BK
	Electroless nickel NE

*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
4 ※A:5 ※W:9 ※L:17	A K	14	8.91	-	8.91	8.40	-	8.40	12	-	12	6	-	6	-	12
		15	9.55		9.55	9.04		9.04								
		16	10.19		10.19	9.68		9.68	14		14	8		8		14
		18	11.46		11.46	10.95		10.95								
		19	12.73		12.73	12.22		12.22	16		16	10		10		16
		20	14.01		14.01	13.50		13.50	18		18	11		11		18
		22	14.64		14.64	14.13		14.13								
		24	15.28		15.28	14.77		14.77	20		20	13		13		20
6 ※A:7 ※W:11 ※L:19		25	15.92		15.92	15.41		15.41								
		26	16.55		16.55	16.04		16.04	22		22	14		14		22
		28	17.83		17.83	17.32		17.32								
		30	19.10		19.10	18.59		18.59								
10 ※A:11 ※W:15 ※L:23	A B	32	20.37	-		19.86	-		25	-		16	-		12	-
		34	21.65			21.14									14	
		36	22.92			22.41			28			18			14	
		40	25.46			24.96			30			20			18	
		44	28.01			27.50			32			23			20	
		48	30.56			30.05			35			25			20	
		50	31.83			31.32										
		60	38.20			37.69			44			32			30	
		72	45.84			45.33			50			38			34	

Belt Width 4mm · 6mm · 10mm

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
3~5	M3	M3X3
6~24	M4	M4X3
25~30	M5	M5X4

*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, WB, F 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, 9, 11, 13, 14, 17, 21-26.

*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	3 · 4		3 · 4			3 · 4			-		-				-	-	
15	3 · 4		3 · 4			3 · 4											
16	3~5		3~5			3~5			3		5				3	5	
18	3~5		3~5			3~5			3		5				3	5	
20	3~6		3~6			3~6			3 · 4		5 · 6				3 · 4	5 · 6	
22	3~7	-	3~6	-	-	3~6	-		3~5		5~7	-		-	3~5	5~7	
23	3~7		3~6			3~6			3~5		5~7				3~5	5~7	
24	3~9		3~7			3~7		-	3~7		5~9				3~7	5~9	
25	3~9		3~7			3~7			3~7		5~9				3~7	5~9	
26	3~10		3~8			3~8			3~8		5~10		2.0≤J ≤W-2.0		3~8	5~10	3.0~6.0
28	3~10		3~8			3~8			3~8		5~10				3~8	5~10	S+T≤W-3
30	3~10		3~8			3~8			3~8		5~10				3~8	5~10	
32	4~12	4~8		4~10	4~6		8		4~10	4~6	6~12	6~8			4~10	6~12	
34	4~12	4~10		4~10	4~8		8 · 10 · NK10		4~10	4~8	6~12	6~10			4~10	6~12	
35	4~14	4~10		4~10	4~8		8 · 10 · NK10		4~12	4~8	6~14	6~10			4~12	6~14	
40	4~16	4~14		4~12	4~10		8~12	8	4~14	4~12	6~16	6~14			4~14	6~16	
44	5~19	5~16	-	5~15	5~12	-	8~13	8~11	5~17	5~14	7~19	7~16		2.0≤J ≤L-2.0	5~17	7~19	
48	5~21	5~16		5~17	5~12		8~16	8~11	5~19	5~14	7~21	7~16			5~19	7~21	
50	5~21	5~16		5~17	5~12		8~16	8~11	5~19	5~14	7~24	7~16			5~19	7~24	
60	5~28	5~26		5~24	5~22		8~22	8~17	5~26	5~24	7~28	7~26			5~26	7~28	
72	5~34	5~30		5~30	5~26		8~26	8~20	5~32	5~28	7~34	7~30			5~32	7~34	