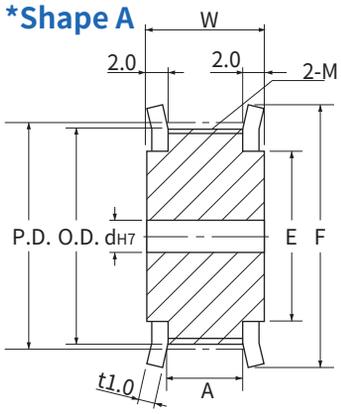
MXL Regular Torque

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

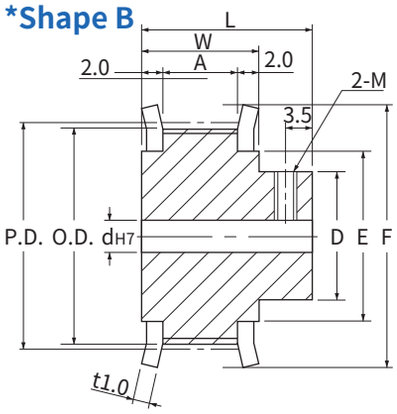
Teeth Type	- Shape	- Material	- Surface Treatment	- Belt Width	- Number of teeth	- Processing project of shaft hole
MXL	A	AL	WA	4.8	14	H3
MXL	B	CS	BK	6.4	20	F3 - Z5 - J2.0
MXL	K	CS	NE	9.5	15	Y3 - Q5 - R5 - S3.0 - T3.0

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

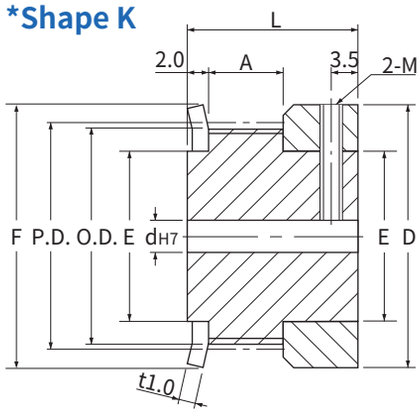
*Shape A



*Shape B



*Shape K



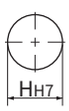
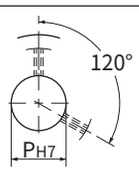
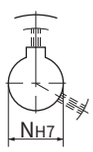
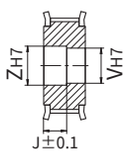
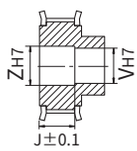
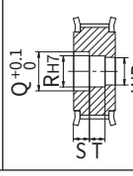
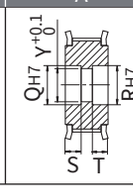
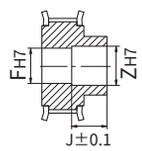
Material	Surface Treatment
Aluminum AL	white anode WA
	Black anode BA
	Hard anode HA
	Electroless nickel NE
S45C CS	-
	Black oxide BK
	Electroless nickel NE

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

Belt Width mm	Pulley Shape	Number of teeth	P.D. A Shape	P.D. B Shape	P.D. K Shape	O.D. A Shape	O.D. B Shape	O.D. K Shape	F A Shape	F B Shape	F K Shape	E A Shape	E B Shape	E K Shape	D B Shape	D K Shape
4.8 ※A:6 ※W:10 ※L:16.5	A K	14	9.06			8.55			12	-	12	6	-	6	-	12
		15	9.70			9.19										
		16	10.35			9.84			14		14	8		8		14
		17	11.00			10.49										
		18	11.64			11.14										
		19	12.29			11.78										
6.4 ※A:7.5 ※W:11.5 ※L:18	A B	20	12.94			12.43			18	-	-	11	-	-	9	-
		21	13.58			13.07										
		22	14.23			13.72										
		23	14.88			14.37			20			13			11	
		24	15.52			15.02										
		25	16.17			15.66										
		26	16.82			16.31			22			14			12	
		27	17.46			16.96										
		28	18.11			17.60										
9.5 ※A:11 ※W:15 ※L:22		30	19.40			18.90			25			16			14	
		32	20.70			20.19										
		34	21.99			21.48										
		36	23.29			22.78			28			18			16	
		38	24.58			24.07										
		40	25.87			25.36			30			20			18	
		42	27.17			26.66										
12.7 ※A:14 ※W:18 ※L:25		44	28.46			27.95			32			23			20	
		46	29.75			29.24										
		48	31.05			30.54			35			25			22	
		50	32.34			31.83										
		60	38.81			38.30			44			32			28	
		72	46.57			46.06			52			40			30	

Belt Width 4.8mm · 6.4mm · 9.5mm · 12.7mm

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
6~18	M4	M4X3
19~21	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 shaft holes.
*For H, P, V, F, 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 P, it is not applicable to A-shape.
*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, 21-31.
*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				J (In units of 0.1mm.)		Y Both ends neck holes・WB Double neck holes		S・T (In units of 0.1mm.)
								V	V・F	Z				Y・WB	Q・R	
	A	B	K	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	
17	3~5		3~5		3~5			3		5				3	5	
18	3~5		3~5		3~5			3		5				3	5	
19	3~5		3~5		3~5			3		5				3	5	
20	3~7	3~6		3~5		-		3~5	3~4	5~7	5~6			3~5	5~7	
21	3~7	3~6		3~5				3~5	3~4	5~7	5~6			3~5	5~7	
22	3~7	3~6		3~5				3~5	3~4	5~7	5~6			3~5	5~7	
23	3~9	3~7		3~7			-	3~7	3~5	5~9	5~7			3~7	5~9	
24	3~9	3~7		3~8				3~7	3~5	5~9	5~7			3~7	5~9	
25	3~9	3~7		3~8				3~7	3~5	5~9	5~7			3~7	5~9	
26	3~10	3~8		3~9				3~8	3~6	5~10	5~8	2.0≤J ≤W-2.0	2.0≤J ≤L-2.0	3~8	5~10	3.0~7.0
27	4~10	4~8		4~9				4~8	4~6	6~10	6~8			4~8	6~10	S+T≤W-3
28	4~10	4~8		4~9				4~8	4~6	6~10	6~8			4~8	6~10	
30	4~12	4~10		4~9		8		4~10	4~8	6~12	6~10			4~10	6~12	
32	4~12	4~10	-	4~9	-	8		4~10	4~8	6~12	6~10			4~10	6~12	
34	4~12	4~10		4~9		8		4~10	4~8	6~12	6~10			4~10	6~12	
36	5~14	5~12		5~10		8~11	8	5~12	5~10	7~14	7~12			5~12	7~14	
38	5~14	5~12		5~10		8~12	8	5~12	5~10	7~14	7~12			5~12	7~14	
40	5~16	5~14		5~10		8~13	8~11	5~14	5~12	7~16	7~14			5~14	7~16	
42	5~16	5~14		5~10		8~13	8~11	5~14	5~12	7~16	7~14			5~14	7~16	
44	5~19	5~16		5~14		8~16	8~13	5~17	5~14	7~19	7~16			5~17	7~19	
46	5~19	5~16		5~14		8~16	8~13	5~17	5~14	7~19	7~16			5~17	7~19	
48	5~21	5~18		5~16		8~17	8~14	5~19	5~16	7~21	7~18			5~19	7~21	
50	5~21	5~18		5~18		8~17	8~14	5~19	5~16	7~21	7~18			5~19	7~21	
60	5~28	5~24		5~20		8~23	8~19	5~26	5~22	7~28	7~24			5~26	7~28	
72	5~36	5~26		5~22		8~31	8~21	5~34	5~24	7~36	7~26			5~34	7~36	