XL

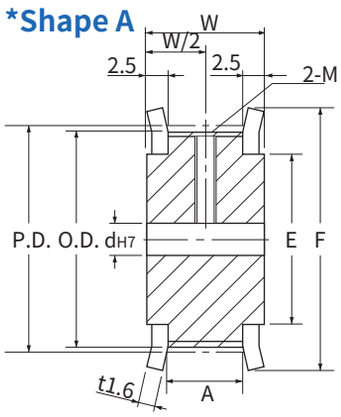
Regular Torque

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

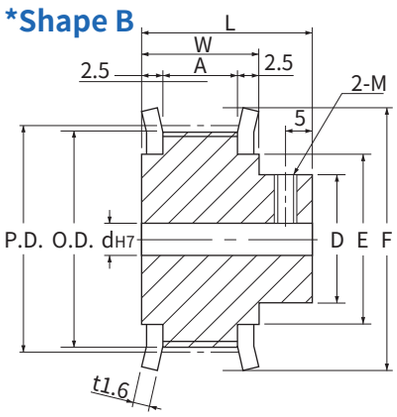
Teeth Type	-	Shape	-	Material	-	Surface Treatment	-	Belt Width	-	Number of teeth	-	Processing project of shaft hole
XL		A		AL		WA		6.4		14		H4
XL		B		CS		BK		7.9		20		F8 - Z10 - J2.0

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

*Shape A



*Shape B



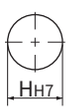
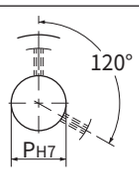
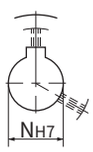
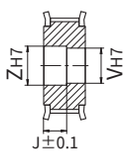
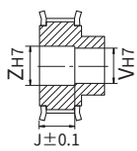
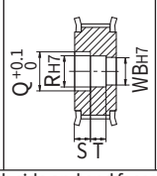
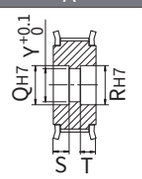
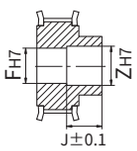
Material	Surface Treatment
Aluminum AL	white anode WA
	Black anode BA
	Hard anode HA
	Electroless nickel NE
S45C CS	-
	Black oxide BK
	Electroless nickel NE

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

Type			P.D.		O.D.		F		E		D
Belt Width mm	Pulley Shape	Number of teeth	A Shape	B Shape	A Shape	B Shape	A Shape	B Shape	A Shape	B Shape	
6.4 ※A:7.5 ※W:12.5 ※L:21	A B	10	16.17		15.66		24		12		10
		11	17.79		17.28						
		12	19.40		18.90		25		15		12
		14	22.64		22.13		28		18		15
		15	24.26		23.75		32		20		17
		16	25.87		25.36						
		18	29.11		28.60		36		24		21
		19	30.72		30.22						
7.9 ※A:9 ※W:14 ※L:23		20	32.34		31.83		40		27		24
		21	33.96		33.45						
		22	35.57		35.07		45		30		26
		24	38.81		38.30						
		25	40.43		39.92		48		35		30
		26	42.01		41.53						
		28	45.28		44.77		55		40		35
		30	48.51		48.00						
9.5 ※A:11 ※W:16 ※L:25		32	51.74		51.24		61		45		40
		34	54.98		54.47						
		36	58.21		57.70		67		50		
		38	61.45		60.94						
		40	64.68		64.17		74		58		
		42	67.91		67.41						
12.7 ※A:14 ※W:19 ※L:28		44	71.15		70.64		80		60		
		46	74.38		73.87						
		48	77.62		77.11		87		67		
		50	80.85		80.34						
		60	97.01		96.51		104		84		
		72	116.43		115.92		123		102		

Belt Width 6.4mm · 7.9mm · 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
A	B		
4		M3	M3X3
5~12		M4	M4X3
13~17		M5	M5X4
18~35	18~30	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.
*No tapped holes and set screws for H, V, Y, WB, F shaft holes.
*In case of shaft holes specification is P, width 6.4 is not applicable up to 15 teeth; only for A-shape.
*When shaft holes specification is N(C), widths up to 15 teeth 6.4 with keyway holes only, without tapped holes; for A-shape only.
*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.
*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 C, it is not possible to make shaft hole diameter of 8, 9, 11, 13, 14, 17, 21-35.
*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
10	4~8	4~6	-	4~6	-	-	4~6	4	6~8	6	2.0≤J≤W-2.0	2.0≤J≤L-2.0	4~6	6~8	3.0~8.0 S+T≤W-3
11	4~8	4~6		4~6			4~6	4	6~8	6			4~6	6~8	
12	4~11	4~8	4~8	4~6			4~9	4~6	6~11	6~8			4~9	6~11	
14	5~14	5~11	5~11	5~8	8	8	5~12	5~9	7~14	7~11			5~12	7~14	
15	5~16	5~13	5~12	5~10	8・10・NK10	8・10・NK10	5~14	5~11	7~16	7~13			5~14	7~16	
16	5~16	5~13	5~13	5~10	8~13	8・10・NK10	5~14	5~11	7~16	7~13			5~14	7~16	
18	6~20	6~17	6~16	5~13	8~15	8~13	6~18	6~15	8~20	8~17			6~18	8~20	
19	6~20	6~17	6~16	6~15	8~15	8~13	6~18	6~15	8~20	8~17			6~18	8~20	
20	8~23	8~20	8~18	8~16	8~16	8~15	8~21	8~18	10~23	10~20			8~21	10~23	
21	8~23	8~20	8~18	8~16	8~18	8~16	8~21	8~18	10~23	10~20			8~21	10~23	
22	8~26	8~22	8~22	8~17	8~20	8~16	8~24	8~20	10~26	10~23			8~24	10~26	
24	8~26	8~22	8~22	8~17	8~22	8~16	8~24	8~20	10~26	10~23			8~24	10~26	
25	8~31	8~26	8~25	8~20	8~22	8~19	8~29	8~24	10~31	10~26			8~29	10~31	
26	8~31	8~26	8~25	8~20	8~23	8~20	8~29	8~24	10~31	10~26			8~29	10~31	
28	8~36	8~31	8~31	8~25	8~25	8~20	8~34	8~29	10~36	10~31			8~34	10~36	
30	10~36	8~31	10~31	8~25	10~30	8~20	10~34	8~29	12~36	10~31			10~34	12~36	
32	10~41	10~36	10~35	10~30	10~32	10~25	10~39	10~34	12~41	12~36			10~39	12~41	
34	10~41	10~36	10~35	10~30	10~32	10~25	10~39	10~34	12~41	12~36			10~39	12~41	
36	10~46	10~36	10~35	10~30	10~35	10~25	10~44	10~34	12~46	12~36			10~44	12~46	
38	10~46	10~36	10~35	10~30	10~35	10~25	10~44	10~34	12~46	12~36			10~44	12~46	
40	10~54	10~36	10~35	10~30	10~35	10~25	10~52	10~34	12~54	12~36			10~52	12~54	
42	10~54	10~36	10~35	10~30	10~35	10~25	10~52	10~34	12~54	12~36			10~52	12~54	
44	10~56	10~36	10~35	10~30	10~35	10~25	10~54	10~34	12~56	12~36			10~54	12~56	
46	10~56	10~36	10~35	10~30	10~35	10~25	10~54	10~34	12~56	12~36			10~54	12~56	
48	10~63	10~36	10~35	10~30	10~35	10~25	10~61	10~34	12~63	12~36			10~61	12~63	
50	10~63	10~36	10~35	10~30	10~35	10~25	10~61	10~34	12~63	12~36			10~61	12~63	
60	10~77	10~36	10~35	10~30	10~35	10~25	10~75	10~34	12~77	12~36			10~75	12~77	
72	10~85	10~36	10~35	10~30	10~35	10~25	10~83	10~34	12~94	12~36			10~83	12~94	