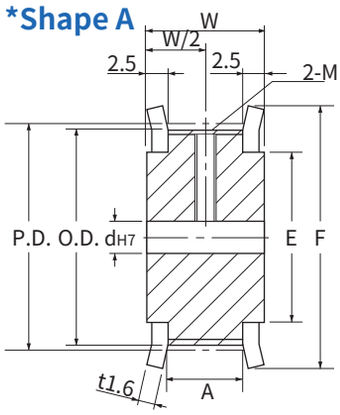
S 8 M

High Torque

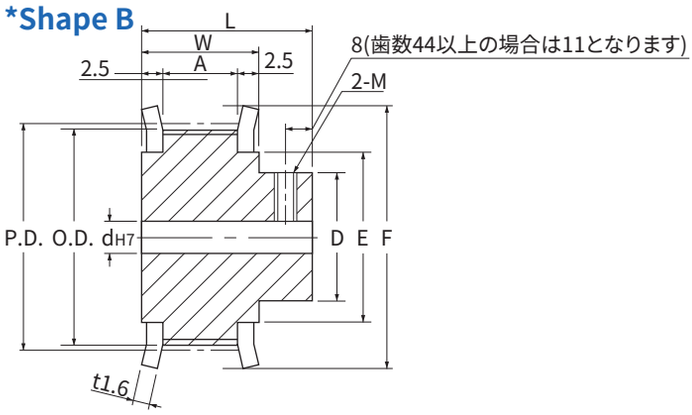
Ex Order.(For detailed ordering examples, please refer to page 04.)

Teeth Type	-	Shape	-	Material	-	Surface Treatment	-	Belt Width	-	Number of teeth	-	Processing project of shaft hole	-	Please refer to pages 05-06 for additional work item details.
S8M		A		AL		WA		15		18		H12		
S8M		B		CS		BK		25		19		F12 - Z14 - J3.0		

*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

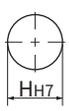
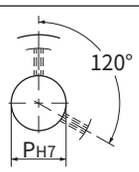
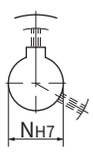
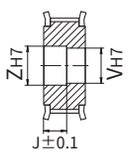
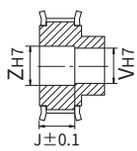
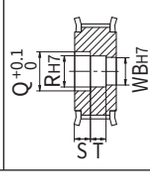
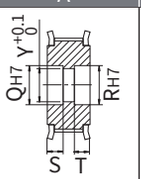
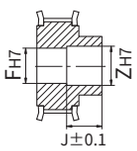
*Hard anode to a film's hardness of 300HV～.
*A small part of the processed area may not have a surface treatment.

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	
15 ※A:17 ※W:22 ※L:37 (L:42)	A B	18	45.84		44.46		52		36		32
		19	48.38		47.01		55		40		35
		20	50.93		49.56		58		40		36
		21	53.48		52.10		61		45		40
		22	56.02		54.65		61		45		41
25 ※A:28 ※W:33 ※L:48 (L:53)		24	61.12		59.74		67		50		46
		25	63.66		62.29		70		56		48
		26	66.21		64.84		74		58		51
		28	71.30		69.93		80		60		55
		30	76.39		75.02		87		67		60
30 ※A:33 ※W:38 ※L:53 (L:58)		32	81.49		80.12		87		67		63
		34	86.58		85.21		95		75		70
		36	91.67		90.30		99		80		75
		38	96.77		95.39		104		84		80
		40	101.86		100.49		111		90		85
40 ※A:44 ※W:49 ※L:64 (L:69)		44	112.05		110.67		119		100		90
		48	122.23		120.86		127		105		100
		50	127.32		125.95		135		115		
		60	152.79		151.42		160		140		
		72	183.35		181.97		190		170		

*L Dimensions in () are for 44–72 toothed pulleys.

Belt Width 15mm · 25mm · 30mm · 40mm

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
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.

*When the shaft hole specification is N, it is not possible to make the shaft hole diameter of 51~54

*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 13, 14, 17, 21~55

*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
18	12~32	12~28	12~26	12~22	12~26	12~20	12~30	12~26	14~32	14~28	3.0≤J ≤W-3.0	3.0≤J ≤L-3.0	12~30	14~32	3.0~23.0 S+T≤W-3
19	12~36	12~31	12~28	12~25	12~28	12~20	12~34	12~29	14~36	14~31			12~34	14~36	
20	12~36	12~32	12~30	12~26	12~30	12~22	12~34	12~30	14~36	14~32			12~34	14~36	
21	12~41	12~36	12~32	12~30	12~32	12~24	12~39	12~34	14~41	14~36			12~39	14~41	
22	12~41	12~37	12~34	12~30	12~34	12~25	12~39	12~35	14~41	14~37			12~39	14~41	
24	12~46	12~42	12~40	12~34	12~40	12~28	12~44	12~40	14~46	14~42			12~44	14~46	
25	12~52	12~44	12~40	12~36	12~40	12~28	12~50	12~42	14~52	14~44			12~50	14~52	
26	14~54	14~47	14~45	14~39	14~45	14~31	14~52	14~45	16~54	16~47			14~52	16~54	
28	14~56	14~51	14~48	14~43	14~48	14~35	14~54	14~49	16~56	16~51			14~54	16~56	
30	14~63	14~56	14~50	14~46	14~50	14~38	14~61	14~54	16~63	16~56			14~61	16~63	
32	14~63	14~59	14~55	14~49	14~55	14~45	14~61	14~57	16~63	16~59			14~61	16~63	
34	16~67	16~66	16~60	16~56	16~55	16~48	16~65	16~64	18~67	18~66			16~65	18~67	
36	16~72	16~71	16~65	16~61	16~55	16~50	16~70	16~69	18~72	18~71			16~70	18~72	
38	16~76	16~76	16~65	16~65	16~55	16~50	16~74	16~74	18~76	18~76			16~74	18~76	
40	20~80	20~80	20~70	20~65	20~55	20~55	20~80	20~79	22~82	22~81			20~80	22~82	
44	20~85	20~80	20~70	20~70	20~55	20~55	20~85	20~84	22~92	22~86			20~85	22~92	
48	20~85	20~85	20~70	20~70	20~55	20~55	20~85	20~85	22~95	22~95			20~85	22~95	
50	20~85	20~85	20~70	20~70	20~55	20~55	20~85	20~85	22~95	22~95			20~85	22~95	
60	20~85	20~85	20~70	20~70	20~55	20~55	20~85	20~85	22~95	22~95			20~85	22~95	
72	20~85	20~85	20~70	20~70	20~55	20~55	20~85	20~85	22~95	22~95			20~85	22~95	