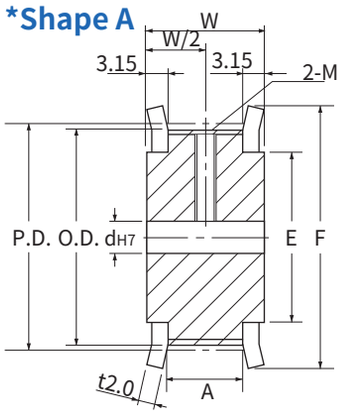
8YU High Accuracy Positioning

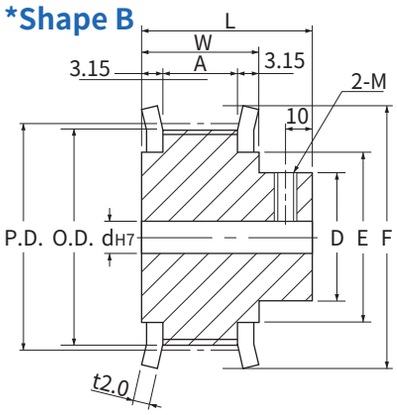
Ex Order.(For detailed ordering examples, please refer to page 04.)

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.
8YU		A		AL		WA		15		20		H16		
8YU		B		AL		WA		20		30		F16 - Z18 - J2.0		

*Shape A



*Shape B



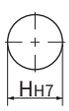
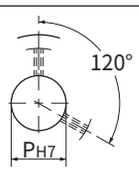
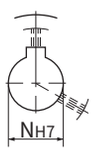
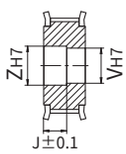
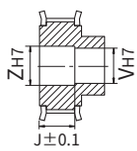
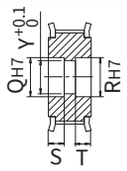
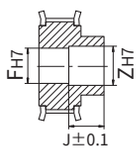
Material	Surface Treatment
Aluminum AL	white anode WA
S45C CS	-
	Black oxide BK

*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:16.7 ※W:23.0 ※L:43.0	A B	20	50.93		49.56		62		40		36
		22	56.02		54.65		64		45		40
		24	61.12		59.75		70		50		44
		25	63.66		62.29		72		52		46
		26	66.21		64.84		75		54		48
		28	71.30		69.93		80		59		52
20 ※A:21.7 ※W:28.0 ※L:48.0		30	76.39		75.02		85		64		56
		32	81.49		80.12		90		69		60
		34	86.58		85.21		95		74		64
		36	91.67		90.3		100		79		68
		38	96.77		95.40		105		84		72
25 ※A:26.7 ※W:33.0 ※L:53.0		40	101.86		100.49		110		89		74
		44	112.05		110.68		121		99		78
		48	122.23		120.86		131		109		80
		50	127.32		125.95		136		114		82
		60	152.79		151.42		161		140		88

Belt Width 15mm · 20mm · 25mm

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) Keyway holes + tapping	V Neck hole		Y Both ends neck holes	F Neck hole (Hub Side Countersunk Hole)
			A	B	A	B
						

Accessory fixing screws for P, N-axis hole processing service.

Axis diameter	2-Mthick thread	Attachment Fixing Screws
16~17	M5	M5X4
18~30	M6	M6X5
31~45	M8	M8X6
46~65	M10	M10X8

*Flanges are installed. Set screws are included with P & N 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 shaft holes.

*When shaft hole diameter is V,Z-V≥2; not applicable for aluminum alloy.

*When shaft hole diameter is Y,Q(R)-Y≥2; not applicable to aluminum alloy; applicable to A-shape only.

*When shaft hole diameter is Y,Z−F≥2; not applicable to aluminum alloy; applicable to B-shape only.

Shaft hole specifications (specified unit: 1mm).

Number of teeth	H Round hole		P Round hole + tapping		N Keyway holes + tapping		V · F Neck hole						Y Both ends neck holes		
							V	V · F	Z		J (In units of 0.1mm.)		Y	Q · R	S · T (In units of 0.1mm.)
	A形	B形	A形	B形	A形	B形	A形	B形	A形	B形	A形	B形	A形	A形	A形
20	16~32	16~32	16~28	16~20	16~21	16~18	16~30	16~30	18~32	18~32			16~30	18~32	
22	16~37	16~37	16~29	16~24	16~26	16~22	16~35	16~32	18~37	18~34			16~35	18~37	
24	16~42	16~40	16~34	16~28	16~30	16~24	16~40	16~38	18~42	18~40			16~40	18~42	
25	16~48	16~42	16~36	16~30	16~30	16~26	16~46	16~40	18~48	18~42			16~46	18~48	
26	16~50	16~42	16~38	16~32	16~30	16~28	16~48	16~43	18~50	18~45			16~48	18~50	
28	16~52	16~47	16~42	16~35	16~30	16~30	16~50	16~44	18~52	18~46			16~50	18~52	
30	16~59	16~50	16~45	16~39	16~30	16~30	16~57	16~48	18~59	18~50			16~57	18~59	
32	20~59	20~55	20~48	20~42	20~30	20~30	20~57	20~48	22~59	22~50			20~57	22~59	
34	20~67	20~58	20~52	20~45	20~30	20~30	20~65	20~54	22~67	22~56	3.0≤J ≤W-3.0	3.0≤J ≤L-3.0	20~65	22~67	3.0~23.0 S+T≤W-3
36	20~72	20~64	20~58	20~48	20~30	20~30	20~70	20~60	22~72	22~62			20~70	22~72	
38	20~76	20~68	20~62	20~52	20~30	20~30	20~74	20~62	22~76	22~64			20~74	22~76	
40	25~80	25~70	25~65	25~54	25~30	25~30	25~80	25~64	27~82	27~66			25~75	27~82	
44	25~80	25~72	25~65	25~56	25~30	25~30	25~80	25~66	27~92	27~68			25~75	27~92	
48	25~80	25~74	25~65	25~58	25~30	25~30	25~80	25~68	27~95	27~70			25~75	27~95	
50	25~80	25~76	25~65	25~60	25~30	25~30	25~80	25~70	27~95	27~72			25~75	27~95	
60	30~80	30~80	30~65	30~65	30	30	30~80	30~72	32~95	32~74			30~75	32~95	