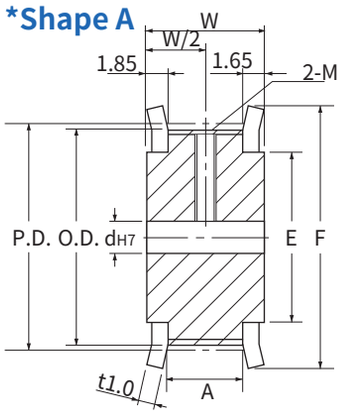
3GT High Accuracy Positioning

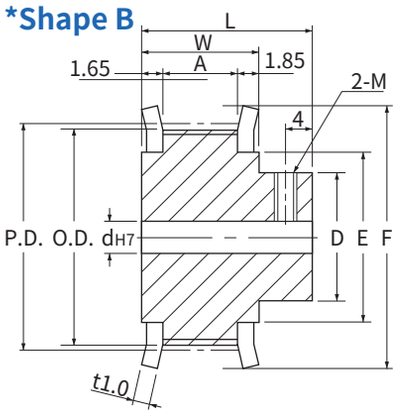
Ex Order.(For detailed ordering examples, please refer to page 04.)

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.
3GT		A		AL		WA		6		16		H4	
3GT		B		CS		BK		9		22		F6 - Z8 - J2.0	

*Shape A



*Shape B



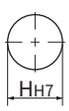
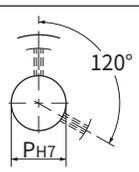
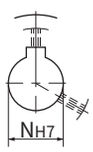
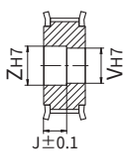
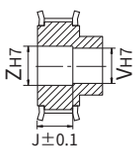
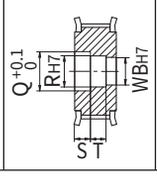
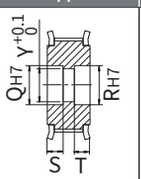
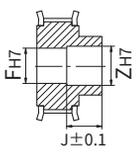
Material	Surface Treatment
Aluminum AL	white anode WA
S45C CS	-
	Black oxide BK

*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	
6 ※A:7.3 ※W:11.0 ※L:19.0	A	16	15.28	-	14.52	-	19	-	11	-	-
		18	17.19		16.43		21		12		
		20	19.10		18.34		23		14		
		22	21.01		20.25		24		16		12
		24	22.92		22.16		26		18		14
		25	23.87		23.11		27				
9 ※A:10.3 ※W:14.0 ※L:22.0	A	26	24.83		24.07		28		19		15
		28	26.74		25.98		30		21		17
		30	28.65		27.89		32		23		19
		32	30.56		29.80		34		25		20
		34	32.47		31.71		36		27		22
	B	36	34.38		33.62		38		29		24
		40	38.20		37.44		42		33		28
15 ※A:16.3 ※W:20.0 ※L:28.0		44	42.02		41.26		46		36		30
		48	45.84		45.08		49		40		32
		50	47.75		46.99		51		42		34
		60	57.30		56.54		61		52		36

Belt Width 6mm · 9mm · 15mm

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		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-axis hole processing service.

Axis diameter		2-M thick thread	Attachment Fixing Screws
A	B		
5	5	M3	M3X3
6~17	6~17	M4	M4X3
18~38	18~24	M4	M5X4

*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, WB shaft holes.

*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 the shaft hole diameter can be selected from 4.5, 6.35 as long as it is within the selection range; for A-shape only.

*For H, P, V,F the shaft hole diameter can be selected from 6.35 as long as it is within the selection range; for B-shape only.

*When shaft hole diameter is V,Z-V≥2

*When the shaft hole specification is Y; 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 Keyway holes + tapping		V · F Neck hole						Y Both ends 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
16	4~7	-	-	-	-	-	4 · 4.5 · 5	-	6 · 7	-	2.0~18.0 2.0≤J≤W-2.0	-	4 · 4.5 · 5	6 · 7	3.0~14.0 S+T≤W-3
18	5~8		5				5 · 6		7 · 8				5 · 6	7 · 8	
20	5~10		5 · 6				5~8		7~10				5~8	7~10	
22	6~12	6~8	6 · 6.35 · 7				6~10	6	8~12	8		2.0~26.0 2.0≤J≤L-2.0	6~10	8~12	
24	6~14	6~10	6~8	6			6~12	6~8	8~14	8~10			6~12	8~14	
25	6~14	6~10	6~10	6			6~12	6~8	8~14	8~10			6~12	8~14	
26	6~15	6~11	6~11	6	8		6~13	6~9	8~15	8~11			6~13	8~15	
28	6~17	6~13	6~13	6~8	8 · 10		6~15	6~11	8~17	8~13			6~15	8~17	
30	6~19	6~15	6~14	6~10	8 · 10	8	6~17	6~13	8~19	8~15			6~17	8~19	
32	6~21	6~16	6~14	6~10	8~12	8	6~19	6~14	8~21	8~16			6~19	8~21	
34	8~23	8~20	8~16	8~12	8~13	8~10	8~21	8~18	10~23	10~20			8~21	10~23	
36	8~25	8~20	8~18	8~14	8~14	8~12	8~23	8~18	10~25	10~20			8~23	10~25	
40	8~29	8~24	8~23	8~18	8~17	8~15	8~27	8~22	10~29	10~24			8~27	10~29	
44	10~32	10~26	10~25	10~20	10~20	10~15	10~30	10~24	12~32	12~26			10~30	12~32	
48	10~36	10~28	10~25	10~22	10~23	10~17	10~34	10~26	12~36	12~28			10~34	12~36	
50	10~38	10~30	10~28	10~23	10~24	10~18	10~36	10~28	12~38	12~30			10~36	12~38	
60	12~48	12~32	12~38	12~24	12~30	12~20	12~46	12~30	14~48	14~32			12~46	14~48	