5 G T

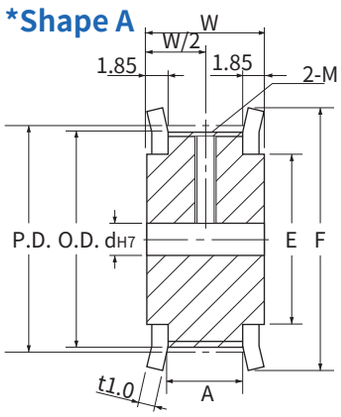
High Accuracy Positioning

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

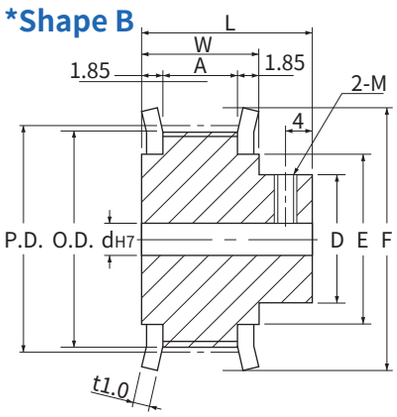
Teeth Type	-	Shape	-	Material	-	Surface Treatment	-	Belt Width	-	Number of teeth	-	Processing project of shaft hole
5GT		A		AL		WA		9		14		H6
5GT		B		AL		WA		12		30		F10 - Z12 - J2.0

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

*Shape A



*Shape B



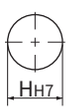
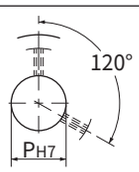
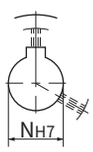
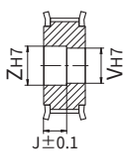
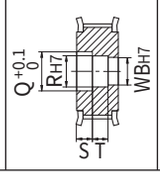
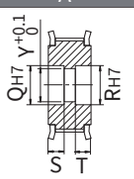
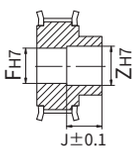
Material	Surface Treatment
Aluminum AL	white anode WA
S45C CS	-
	Black oxide BK

*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	
9 ※A:10.3 ※W:14.0 ※L:22.0	A B	14	22.28		21.14		26		16		12
		15	23.87		22.73		27		17		13
		16	25.46		24.32		29		19		15
		18	28.65		27.51		32		22		18
		20	31.83		30.69		35		24		20
		22	35.01		33.87		39		27		22
		24	38.20		37.06		42		30		26
		25	39.79		38.65		43		32		28
12 ※A:13.3 ※W:17.0 ※L:25.0		26	41.38		40.24		45		33		28
		28	44.56		43.42		48		36		30
		30	47.75		46.61		51		39		32
		32	50.93		49.79		55		42		34
		34	54.11		52.97		58		46		36
		36	57.30		56.16		61		49		38
15 ※A:16.3 ※W:20.0 ※L:28.0		40	63.66		62.52		67		55		40
		44	70.03		68.89		74		62		42
		48	76.39		75.25		80		68		46
		50	79.58		78.44		83		71		46
		60	95.49		94.35		99		87		52

Belt Width 9mm · 12mm · 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		
6~12	6~12	M4	M4X3
13~30	13~30	M5	M5X4
31~45	-	M6	M6X5

*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, F, the shaft hole diameter can be selected from 6.35 as long as it is within the selection range.

*Z-V ≥ 2 when the shaft hole specification is V.

*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
14	6~12	6~8	6~8	-	-	-	6~10	6	8~12	8	2.0~18.0	2.0~26.0	6~10	8~12	3.0~14.0
15	6~13	6~10	6~8				6~11	6~7	8~13	8・9			6~11	8~13	
16	6~15	6~12	6~10	6	8		6~13	6~9	8~15	8~11			6~13	8~15	
18	6~18	6~14	6~13	6~9	8・10		6~16	6~12	8~18	8~14			6~16	8~18	
20	8~20	8~16	8~14	8~10	8~12	8	8~18	8~14	10~20	10~16			8~18	10~20	
22	8~23	8~19	8~17	8~12	8~12	8	8~21	8~16	10~23	10~18			8~21	10~23	
24	8~26	8~22	8~18	8~16	8~14	8・10	8~24	8~20	10~26	10~22			8~24	10~26	
25	8~28	8~24	8~20	8~16	8~16	8~12	8~26	8~22	10~28	10~24			8~26	10~28	
26	10~29	10~24	10~21	10~16	10~17	10~13	10~27	10~22	12~29	12~24			10~27	12~29	
28	10~32	10~27	10~24	10~20	10~19	10~15	10~30	10~25	12~32	12~27	2.0≤J ≤W-2.0	2.0≤J ≤L-2.0	10~30	12~32	S+T≤W-3
30	10~35	10~28	10~26	10~22	10~20	10~16	10~33	10~26	12~35	12~28			10~33	12~35	
32	10~38	10~30	10~30	10~22	10~23	10~17	10~36	10~28	12~38	12~30			10~36	12~38	
34	12~42	12~32	12~32	12~24	12~26	12~18	12~40	12~30	14~42	14~32			12~40	14~42	
36	12~45	12~34	12~34	12~26	12~30	12~20	12~43	12~32	14~45	14~34			12~43	14~45	
40	12~51	12~36	12~36	12~26	12~30	12~22	12~49	12~34	14~51	14~36			12~49	14~51	
44	12~58	12~38	12~42	12~26	12~30	12~23	12~56	12~36	14~58	14~38			12~56	14~58	
48	12~64	12~42	12~45	12~30	12~30	12~26	12~62	12~40	14~64	14~42			12~62	14~64	
50	12~67	12~42	12~45	12~30	12~30	12~27	12~65	12~40	14~67	14~42			12~65	14~67	
60	12~83	12~48	12~45	12~30	12~30	12~30	12~81	12~46	14~83	14~48			12~81	14~83	