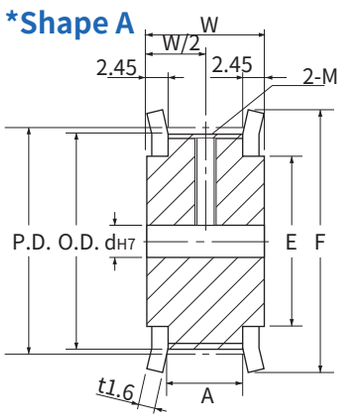
AT5 Heavy Load Conveyance

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

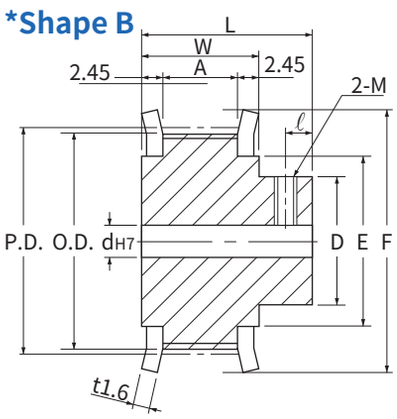
Teeth Type	- Shape	- Material	- Surface Treatment	- Belt Width	- Number of teeth	- Processing project of shaft hole
AT5	A	AL	WA	10	20	H16
AT5	B	CS	BK	15	30	F16 - Z18 - J2.0

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

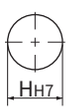
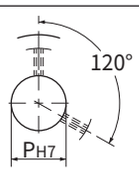
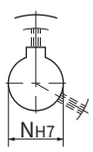
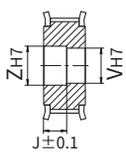
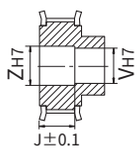
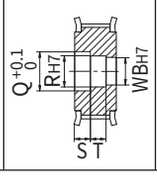
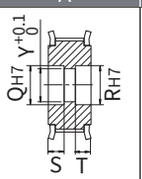
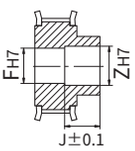
*Hard anode to a film's hardness of 300HV~.
*A small part of the processed area may not have a surface treatment.

Type			P.D.		O.D.		F		E		D	ℓ
Belt Width mm	Pulley Shape	Number of teeth	A Shape	B Shape	A Shape	B Shape	A Shape	B Shape	A Shape	B Shape		
10 ※A:11.6 ※W:16.5 ※L:25 (L:27) (L:29)	A B	15	23.87		22.65		28		18		13	4
		16	25.46		24.2		32		20		16	4
		18	28.65		27.4		33		22			5
		20	31.83		30.6		36		24		20	5
		22	35.01		33.85		40		27			
		24	38.2		37		45		30		25	
		25	39.79		38.6							
		26	41.38		40.2		48		35		30	
		28	44.56		43.35							
15 ※A:16.6 ※W:21.5 ※L:30 (L:32) (L:34)		30	47.75		46.55		55		40		35	6
		32	50.93		49.7							
		36	57.3		56.05		61		45		40	
		40	63.66		62.45		67		50		45	
		44	70.03		68.8		74		58			
		48	76.39		75.15		83		63			
		50	79.58		78.35		87		67			
		60	95.49		94.25		99		80			

*When the belt width is 10, for teeth numbers 18 to 28, the length is 27; and for teeth numbers 30 to 60, the length is 29.
*When the belt width is 15, for teeth numbers 18 to 28, the length is 32; and for teeth numbers 30 to 60, the length is 34.

Belt Width 10mm · 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) 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 A	Axis diameter B	2-M thick thread	Attachment Fixing Screws
5		M3	M3X3
6~12		M4	M4X3
13~17		M5	M5X4
18~30		M6	M6X5
31~45		M8	M8X6
46~55	-	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.
*The size of the tooth slot varies change with the number of teeth (AT5 Pitch: 5.0mm).
*No tapped holes and set screws for H, V, Y, F, WB shaft holes.
*For H, P, V the shaft hole diameter can be selected from 6.35 as long as it is within the selection range.
*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.
*When the shaft hole specification is C, it is not possible to make shaft hole diameter of 8, 11, 13, 14, 17, 21-50
*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
15	5~14	5~10	5~10	5~8	8・10・NK10	-	5~12	5~7	7~14	7~9			5~12	7~14	
16	6~16	6~12	6~12	6~10	8~12	8	6~14	6~10	8~16	8~12			6~14	8~16	
18	6~18	6~12	6~12	6~11	8~12	8・10・NK10	6~16	6~10	8~18	8~12			6~16	8~18	
20	6~20	6~16	6~16	6~12	8~16	8・10・NK10	6~18	6~14	8~20	8~16			6~18	8~20	
22	7~23	7~16	7~18	7~15	8~18	8~12	7~21	7~14	9~23	9~16			7~21	9~23	
24	7~26	7~22	7~20	7~17	8~20	8~13	7~24	7~19	9~26	9~21			7~24	9~26	
25	7~26	7~22	7~20	7~18	8~20	8~15	7~24	7~19	9~26	9~21			7~24	9~26	
26	8~31	8~27	8~22	8~21	8~22	8~17	8~29	8~24	10~31	10~26			8~29	10~31	
28	8~31	8~27	8~24	8~22	8~24	8~18	8~29	8~24	10~31	10~26	2.0≤J ≤W-2.0	2.0≤J ≤L-2.0	8~29	10~31	3.0~14.0 S+T≤W-3
30	10~33	10~31	10~26	10~23	10~26	10~18	10~31	10~29	12~33	12~31			10~31	12~33	
32	10~36	10~31	10~28	10~27	10~28	10~22	10~34	10~29	12~36	12~31			10~34	12~36	
36	10~41	10~36	10~30	10~30	10~30	10~25	10~39	10~34	12~41	12~36			10~39	12~41	
40	10~46	10~40	10~38	10~35	10~38	10~29	10~44	10~38	12~46	12~40			10~44	12~46	
44	12~54	12~40	12~42	12~35	12~40	12~30	12~52	12~38	14~54	14~40			12~52	14~54	
48	12~59	12~40	12~45	12~35	12~40	12~30	12~57	12~38	14~59	14~40			12~57	14~59	
50	12~63	12~40	12~47	12~35	12~45	12~30	12~61	12~38	14~63	14~40			12~61	14~63	
60	12~77	12~40	12~50	12~35	12~50	12~30	12~75	12~38	14~77	14~40			12~75	14~77	