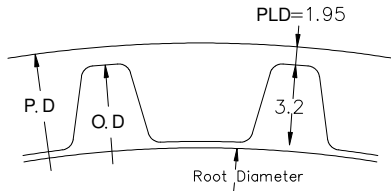


錐套式時規皮帶輪 AT10型  
 TAPER BUSH TIMING PULLEYS < AT10 >

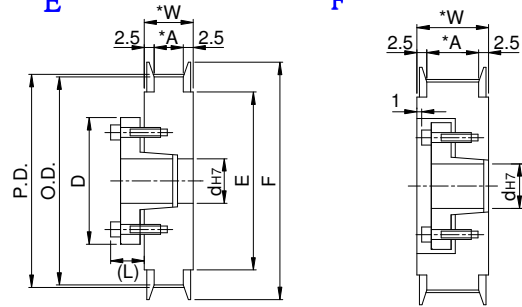


Type	Material	Treatment	Flange	Treatment	Taper Brgt	Treatment
KLAAA	A7075	Anodize	A6061	Anodize	1045	—
KLAEA		Electroless nickel		Electroless nickel		
KLS	1045	—	1045	—		
KLSS	SUS303	—	A6061	Anodize	SUS303	

Tooth Shape :



Pulley Shapes :



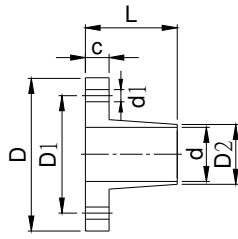
Type	Catalog No.			Bore dh7	P.D	O.D	F	E	
	No.of teeth	Teeth Width Code	Pulley Shapes						
KLAAA KLAEA KLS KLSS	15	AT10017	E  F	12	47.75	45.9	52	36	
	16			12~15	50.93	49.05	58	40	
	18			A:17	12~17	57.3	55.45	61	45
	20			W:22	12~17	63.66	61.8	67	50
	22	AT10022		14~25	70.03	68.15	80	60	
	24	A:22		14~25	76.39	74.55	87	67	
	25	W:27		14~25	79.58	77.7			
	26	AT10027		14~25	82.76	80.9	95	75	
	28	A:27		16~35	89.13	87.25			
	30	W:32		16~35	95.49	93.65	104	84	
	32	AT10032		20~42	101.86	100	111	90	
	36			A:32	20~42	114.59	112.75	123	102
	40			W:37	20~50	127.32	125.45	135	115
	44			20~50	140.06	138.2	152	130	
48	20~50	152.79	150.95	160	140				

Order TYPE — Catalog No. — Bore  
 訂貨代號 KLAA — 36AT10017E — 20

PS1 : if you need another exceptional to process the specifications form, please contact us.  
 PS2 : Taper Bush Specification Please refer to 【Taper Bush Specification Form】



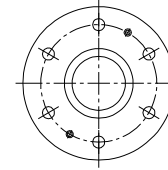
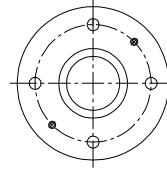
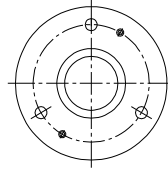
# Taper Bush Specification Form



3 pcs tight fixed type  
d dimension is 10~12

4 pcs tight fixed type  
d dimension is 8,14~25

6 pcs tight fixed type  
d dimension is 28~50



Material: S45C

Bore d	Tightening Bolt		Tapped Hole of Removal	Allowable maximum Torque N · m {kgf · m}	Allowable Thrust Load kN {kgf}	Bolt Tightening Torque N · m {kgf · m}	D	D1	D2	d1	L	1					
	number	size															
8	4	M3×12	M3×2	16 { 1.6 }	4.0 { 408 }	2.0 { 0.21 }	25.5	19	10	3.3	15.5	4					
10	3	M4×16	M4×2	39 { 4.0 }	5.34 { 545 }	4.0 { 0.41 }	30	22	12	4.5	16.5	5					
11				43 { 4.4 }			31	23	13								
12				48 { 4.9 }			32	24	14								
14	4	M4×18	M4×2	73 { 7.4 }	8.74 { 895 }	8.3 { 0.85 }	35	27	16.6	5.5	22	6					
15				78 { 7.95 }			36	28	17.6								
16				83 { 8.5 }			37	29	18.6								
17		88 { 9.0 }	38	30			19.6										
18		M5×20	M5×2	154 { 15.7 }			12.3 { 1260 }	13.7 { 1.4 }	43				33	20.6	6.6	23	7
19				163 { 16.6 }					45				35	22.4			
20				171 { 17.4 }					46				36	23.4			
22	186 { 19.16 }			48	38	24.6											
24	6	M5×25	M5×2	206 { 21.0 }	22.7 { 2320 }	34.3 { 3.5 }	50	40	26.6	8.8	38.5	13					
25				216 { 21.8 }			52	42	28.4								
28				353 { 36.0 }			54	44	30.6								
30		382 { 39.0 }	57	47			33.4										
32		412 { 42.0 }	59	49			34.7										
35		451 { 46.0 }	63	53			38.4										
38	M6×28	M6×2	686 { 70.0 }	22.7 { 2320 }	34.3 { 3.5 }	70	58	42	8.8	38.5	13						
40			725 { 74.0 }			71	59	43.5									
42			757 { 77.2 }			74	62	46									
45	M8×35	M8×2	1490 { 152.0 }	22.7 { 2320 }	34.3 { 3.5 }	84	69	49.5	8.8	38.5	13						
48			1600 { 163.0 }			87	72	52.5									
50			1660 { 169.0 }			89	74	54.5									

### ▲Features of Taper Bush Timing Pulleys

No need to machine key grooves , etc . On shafts.

Shaft strenght can be kept , as no shaft machining is required.

No backlash & Easy positioning.

### ▲Installation

- 1 Wipe off dirt from the surface of shaft and apply a thin coat of oil or grease to it. ( Do not use any oil or grease containing molybdenum-based lubricant )
- 2 Clean the contact surfaces of pulley and bushing and apply oil or grease to them. Apply oil or grease to the threads and bearing surface of fastening bolt as well.
- 3 Install pulley temporarily on shaft with fastening bolts lightly tightened.
- 4 After completion of locating , tighten the clamping bolts using the torque wrench in the diagonal line order , beginning lightly ( about one-fourths of the predetermined tightening torque )
- 5 Increase the tightening to about half of the predetermined value , and tighten the bolts.
- 6 Continue the tightening until the predetermined tightening torque is reached.
- 7 Finally , tightening the clamping bolts along the circumference of the circle.

### ▲Note

Use torque wrench in tightening the bolt.

Do not use bolts other than those attached for tightening bolts.

### ▲Removal

Be sure to work after the system is completely shut down.

Loosen the tightening bolt in circumferential order.

Insert bolt in tapped holes for removal and tighten evenly.

Repeat "Installation" process for reinstallation.