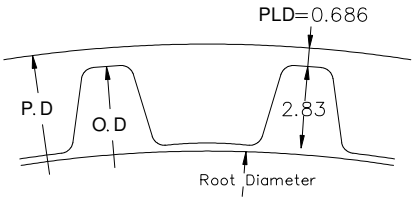
東聾有限公司
East Dragon Precise Transmission Co., LTD

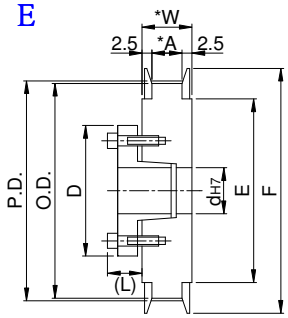
錐套式時規皮帶輪 S8M型
TAPER BUSH TIMING PULLEYS < S8M>

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

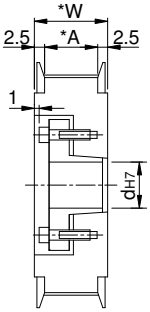
Tooth Shape：



Pulley Shapes： E



F



Type	Catalog No.			Bore dh7	P.D	O.D	F	E
	No.of teeth	Teeth Width Code	Pulley Shapes					
KLAAA KLAEA KLS KLSS	18	S8M017 A:17 W:22	E	12	45.84	44.46	52	36
	19			12~15	48.38	47.01	55	40
	20			12~17	50.93	49.56	58	
	21			12~17	53.48	52.1	61	45
	22			12~17	56.02	54.65		
	24	S8M028 A:28 W:33		12~17	61.12	59.74	67	50
	25			12~25	63.66	62.29	70	56
	26			14~25	66.21	64.84	74	58
	28			14~25	71.3	69.93	80	60
	30	S8M033 A:33 W:38	F	14~32	76.39	75.02	87	67
	32			14~32	81.49	80.12		
	34			16~35	86.58	85.21	95	75
	36			16~38	91.67	90.3	99	80
	38			16~35	96.77	95.39	104	84
	40	S8M044 A:44 W:49		20~42	101.86	100.49	111	90
	44			20~42	112.05	110.67	119	100
	48			20~42	122.33	120.86	127	105
	50			20~50	127.32	125.95	135	115
	60			20~50	152.79	151.42	160	140

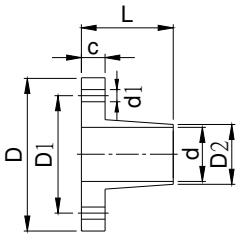
Order	TYPE	—	Catalog No.	—	Bore
訂貨代號	KLAA	—	36S8M017E	—	16

PS1： if you need another exceptional to process the specifications form, please contect us.

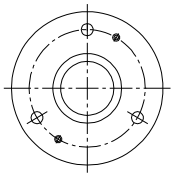
PS2：Taper Bush Specification Please refer to【Taper Bush Specification Form】

東轟有限公司
East Dragon Precise Transmission Co., LTD

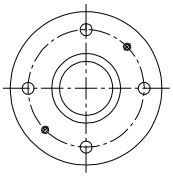
Taper Bush Specification Form



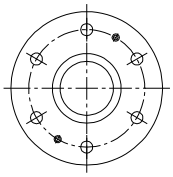
3 pcs tight fixed type
d dimension is 10~12



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	l
	number	size										
8	4	M3x12	M3x2	16{ 1.6}	4.0 { 408}	2.0 { 0.21 }	25.5	19	10	3.3	15.5	4
10	3	M4x16	M4x2	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	M4x18		73{ 7.4}			35	27	16.6		22	6
15				78{ 7.95}			36	28	17.6			
16				83{ 8.5}			37	29	18.6		23	7
17				88{ 9.0}			38	30	19.6			
18		M5x20	M5x2	154{ 15.7}	8.74 { 895}	8.3 { 0.85}	43	33	20.6	5.5		
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				206{ 21.0}			50	40	26.6			
25				216{ 21.8}			52	42	28.4			
28	6	M5x25		353{ 36.0}			54	44	30.6		24	8
30				382{ 39.0}			57	47	33.4			
32				412{ 42.0}			59	49	34.7		25	9
35				451{ 46.0}			63	53	38.4		26.5	
38		M6x28	M6x2	686{ 70.0}	12.3 { 1260}	13.7 { 1.4}	70	58	42	6.6	28	10
40				725{ 74.0}			71	59	43.5		30.5	
42				757{ 77.2}			74	62	46		31.5	11
45		M8x35	M8x2	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 oilor 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 cirumferential order.

Insert bolt in tapped holes for removal and tighten veenly.

Repeat “Installation” process for reinstallation.