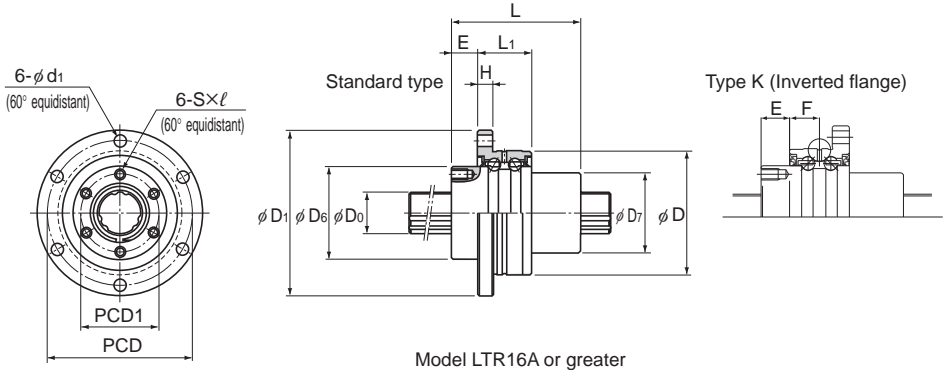


Model LTR-A Compact Type



Model No.	Spline nut dimensions														
	Outer diameter		Length L	Flange diameter D ₁	D ₆ h7	D ₇	H	L ₁	Standard type E	Type K E	Oil hole position F	E ₁	PCD	PCD1	S × l
	D	Tolerance													
LTR 8A	32	-0.009 -0.025	25	44	24	16	3	10.5	6	8.5	4	3	38	19	M2.6 × 3
LTR 10A	36		33	48	28	21	3	10.5	9	11.5	4	—	42	23	M3 × 4
LTR 16A	48		50	64	36	31	6	21	10	10	10.5	—	56	30	M4 × 6
LTR 20A	56	-0.010 -0.029	63	72	43.5	35	6	21	12	12	10.5	—	64	36	M5 × 8
LTR 25A	66		71	86	52	42	7	25	13	13	12.5	—	75	44	M5 × 8
LTR 32A	78		80	103	63	52	8	25	17	17	12.5	—	89	54	M6 × 10
LTR 40A	100	-0.012 -0.034	100	130	79.5	64	10	33	20	20	16.5	—	113	68	M6 × 10

Model number coding

2 LTR32A K UU ZZ CL +500L P K

Model No.

Flange orientation symbol(*1)

Symbol for clearance in the rotational direction(*4)

Accuracy symbol(*5)

Symbol for standard hollow spline shaft (*6)

Number of spline nuts on one shaft (no symbol for one nut)

Spline nut contamination protection accessory symbol(*2)

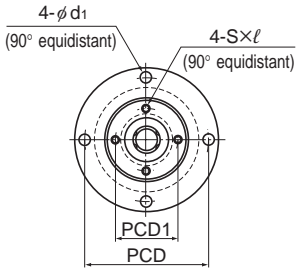
Support bearings contamination protection accessory symbol(*3)

Overall spline shaft length (in mm)

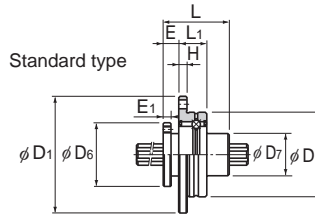
(*2) See **A3-90**. (*3) See **A3-90**. (*4) See **A3-25**. (*5) See **A3-28**. (*6) See **A3-84**.

(*1) No Symbol: standard K: flange inverted

Rotary Ball Spline

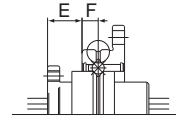


Model LTR8A Model LTR10A

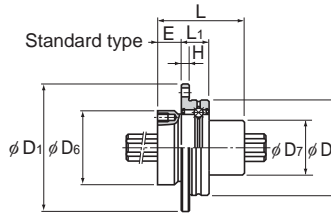


Standard type

Type K (Inverted flange)

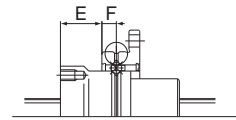


Model LTR8A



Standard type

Type K (Inverted flange)



Model LTR10A

Unit: mm

	Spline shaft diameter	Basic torque rating		Basic load rating		Static permissible moment	Support bearing basic load rating		Mass		
		C_T N-m	C_{OT} N-m	C kN	C_0 kN		C kN	C_0 kN	Spline Nut kg	Spline shaft kg/m	
d_1	D_0 h7	Rows of balls									
3.4	8	4	1.96	2.94	1.47	2.55	5.9	0.69	0.24	0.08	0.4
3.4	10	4	3.92	7.84	2.84	4.9	15.7	0.77	0.3	0.13	0.62
4.5	16	6	31.3	34.3	7.06	12.6	67.6	6.7	6.4	0.35	1.6
4.5	20	6	56.8	55.8	10.2	17.8	118	7.4	7.8	0.51	2.5
5.5	25	6	105	103	15.2	25.8	210	9.7	10.6	0.79	3.9
6.6	32	6	180	157	20.5	34	290	10.5	12.5	1.25	5.6
9	40	6	418	377	37.8	60.4	687	16.5	20.7	2.51	9.9

Note) ** M_A indicates the permissible moment value in the axial direction when a single spline nut is used, as shown in the figure below.

For details on the maximum lengths of ball spline shafts by accuracy, please see [A3-87](#).

