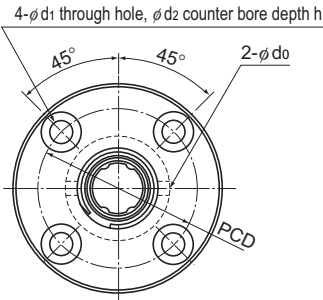
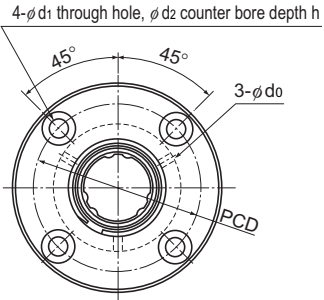


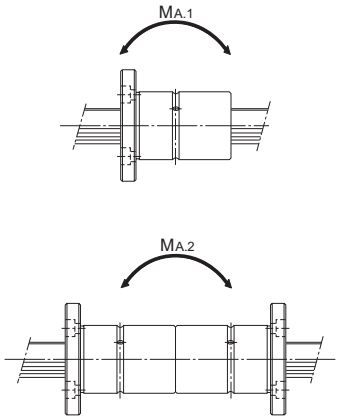
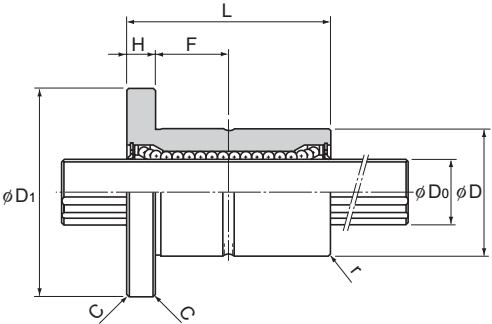
Model LF



Model LF13 or smaller



Model LF16 or greater



Model No.	Spline nut dimensions													Spline shaft diameter D ₀ h7	Rows of balls	Basic torque rating		Basic load rating		Static permissible moment		Mass	
	Outer diameter		Length		Flange diameter		H	F	C	r	Greasing hole d ₀	PCD	Mounting hole d ₁ ×d ₂ ×h										
	D	Tolerance	L	Tolerance	D ₁	Tolerance																	
LF 6	14	0 -0.011	25	0 -0.2	30	0 -0.2	5	7.5	0.5	0.5	1.5	22	3.4×6.5×3.3	6	4	0.98	1.96	1.18	2.16	4.9	36.3	35	0.23
LF 8	16		25		32		5	7.5	0.5	0.5	1.5	24	3.4×6.5×3.3	8	4	1.96	2.94	1.47	2.55	5.9	44.1	37	0.4
LF 10	21	0 -0.013	33		42		6	10.5	0.5	0.5	1.5	32	4.5×8×4.4	10	4	3.92	7.84	2.84	4.9	15.7	98	90	0.62
LF 13	24		36		44		7	11	0.5	0.5	1.5	33	4.5×8×4.4	13	4	5.88	10.8	3.53	5.78	19.6	138	110	1.1
○ LF 16	31		50	51	7		18	0.5	0.5	2	40	4.5×8×4.4	16	6	31.4	34.3	7.06	12.6	67.6	393	230	1.6	
○ LF 20	35	0 -0.016	63	58	9		22.5	0.5	0.5	2	45	5.5×9.5×5.4	20	6	56.9	55.9	10.2	17.8	118	700	330	2.5	
○ LF 25	42		71	65	9		26.5	0.5	0.5	3	52	5.5×9.5×5.4	25	6	105	103	15.2	25.8	210	1140	455	3.9	
○ LF 30	47		80	75	10		30	0.5	0.5	3	60	6.6×11×6.5	30	6	171	148	20.5	34	290	1710	565	5.6	
○ LF 40	64	0 -0.019	100	0 -0.3	100		14	36	1	0.5	4	82	9×14×8.6	40	6	419	377	37.8	60.5	687	3760	1460	9.9
○ LF 50	80		125		124		16	46.5	1	1	4	102	11×17.5×11	50	6	842	769	60.9	94.5	1340	7350	2760	15.5

Note) ○: indicates model numbers for which high temperature types are available (with metal retainer; service temperature: up to 100°C).

(Example) LF30 A CL+700L H
└────────── High temperature symbol

Note) **M_{A1} indicates the permissible moment value in the axial direction when a single spline nut is used, as shown in the figure above.
**M_{A2} indicates the permissible moment value in the axial direction when two spline nuts in close contact with each other are used, as shown in the figure above.
(Single LF-unit configuration is not stable in accuracy. We recommend using two units in close contact with each other.)
For details on the maximum lengths of ball spline shafts by accuracy, please see B-410.

Model number coding

2 LF20 UU CM +400L P N

Model No. Symbol for clearance in the rotational direction (*2) Accuracy symbol (*3) Symbol for standard hollow spline shaft (*4)

Number of spline nuts on one shaft (no symbol for one nut) Contamination protection accessory symbol (*1) Overall spline shaft length (in mm)

(*1) See A-509. (*2) See A-481. (*3) See A-482. (*4) See B-391.