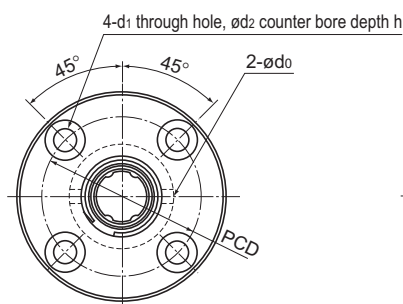
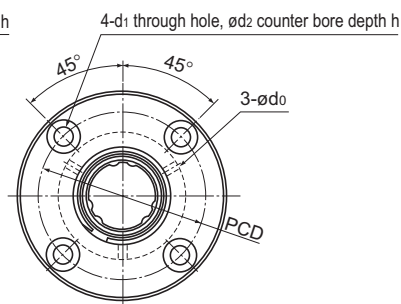


Model LF



Models LF6 to 13



Models LF16 to 60

Model No.	Spline nut dimensions												
	Outer diameter		Length		Flange diameter		H	F	C	r	Lubrication hole		Mounting hole
	D	Tolerance	L	Tolerance	D ₁	Tolerance					d ₀	PCD	
LF 6	14	0	25	0 -0.2	30	0 -0.2	5	7.5	0.5	0.5	1.5	22	3.4×6.5×3.3
LF 8	16	-0.011	25		32		5	7.5	0.5	0.5	1.5	24	3.4×6.5×3.3
LF 10	21	0 -0.013	33		42		6	10.5	0.5	0.5	1.5	32	4.5×8×4.4
LF 13	24		36		44		7	11	0.5	0.5	1.5	33	4.5×8×4.4
○ LF 16	31		50	0 -0.3	51		7	18	0.5	0.5	2	40	4.5×8×4.4
○ LF 20	35		63		58		9	22.5	0.5	0.5	2	45	5.5×9.5×5.4
○ LF 25	42	0 -0.016	71		65		9	26.5	0.5	0.5	3	52	5.5×9.5×5.4
○ LF 30	47		80		75		10	30	0.5	0.5	3	60	6.6×11×6.5
○ LF 40	64	0 -0.019	100	0 -0.4	100		14	36	1	0.5	4	82	9×14×8.6
○ LF 50	80		125		124		16	46.5	1	1	4	102	11×17.5×11
○ LF 60	90		140		134		18	52	1	1	5	112	11×17.5×11

○: 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

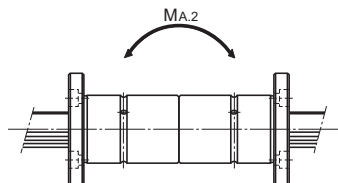
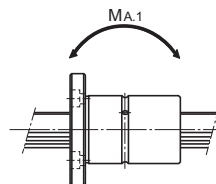
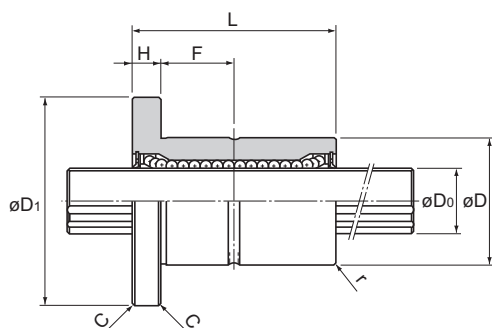
High temperature symbol

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 spline shaft ⁴
Number of spline nuts on one shaft (no symbol for one nut)		Contamination protection accessory symbol ¹		Overall spline shaft length ⁵ (in mm)		

¹ See **A3-128**. ² See **A3-32**. ³ See **A3-37**. ⁴ See **A3-95**. ⁵ See **A3-123**.

Medium-Torque Ball Spline



Unit: mm

	Spline shaft diameter	Rows of balls	Basic torque rating		Basic load rating		Static permissible moment		Mass	
	D_0 h7		C_T N·m	C_{0T} N·m	C kN	C_0 kN	$M_{A.1}^1$ N·m	$M_{A.2}^2$ N·m	Spline nut g	Spline shaft kg/m
	6	4	0.98	1.96	1.18	2.16	4.9	36.3	35	0.23
	8	4	1.96	2.94	1.47	2.55	5.9	44.1	37	0.4
	10	4	3.92	7.84	2.84	4.9	15.7	98	90	0.62
	13	4	5.88	10.8	3.53	5.78	19.6	138	110	1.1
	16	6	31.4	34.3	7.06	12.6	67.6	393	230	1.6
	20	6	56.9	55.9	10.2	17.8	118	700	330	2.5
	25	6	105	103	15.2	25.8	210	1,140	455	3.9
	30	6	171	148	20.5	34	290	1,710	565	5.6
	40	6	419	377	37.8	60.5	687	3,760	1,460	9.9
	50	6	842	769	60.9	94.5	1,340	7,350	2,760	15.5
	60	6	1220	1040	73.5	111.7	1,600	9,990	3,490	22.3

¹ $M_{A.1}$ indicates the permissible moment value in the axial direction when a single spline nut is used, as shown in the figure above.

² $M_{A.2}$ 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.

Note: For details on the maximum lengths of ball spline shafts by accuracy, please see **A3-123**.