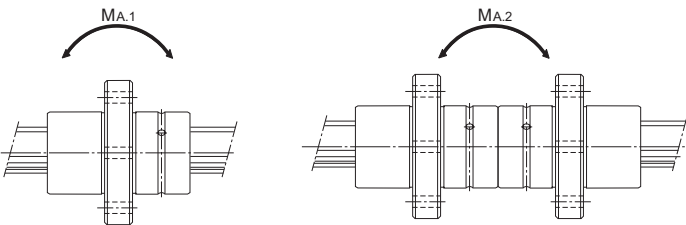
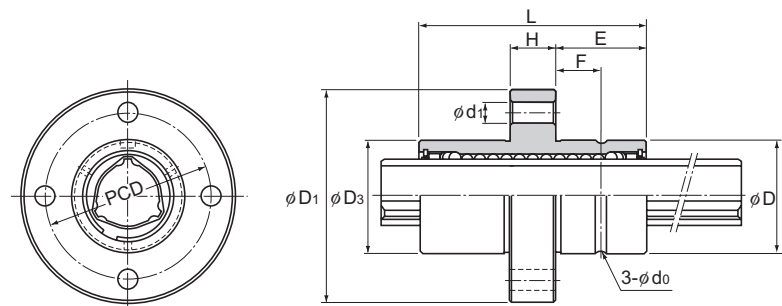


Model LBR



Unit: mm

Model No.	Spline nut dimensions												Basic torque rating		Basic load rating (radial)		Static permissible moment		Mass	
	Outer diameter		Outer diameter D ₃	Length		Flange diameter D ₁	H	E	PCD	Mounting hole d ₁	F	Greasing hole d ₀	C _T N-m	C _{OT} N-m	C kN	C ₀ kN	M _{A1} ** N-m	M _{A2} ** N-m	Spline Nut kg	Spline shaft kg/m
	D	Tolerance		L	Tolerance															
LBR 15	25	0 -0.013	25.35	40	0 -0.2	45.4	9	15.5	34	4.5	7.5	2	30.4	74.5	4.4	8.4	25.4	185	0.14	1
○● LBR 20	30	0 -0.016	30.35	60	0 -0.3	56.4	12	24	44	5.5	12	2	90.2	213	9.4	20.1	103	632	0.33	1.8
○● LBR 25	40		40.35	70		70.4	14	28	54	5.5	14	2	176	381	14.9	28.7	171	1060	0.54	2.7
○● LBR 30	45		45.4	80		75.4	16	32	61	6.6	16	3	312	657	22.5	41.4	295	1740	0.9	3.8
○● LBR 40	60	0 -0.019	60.4	100		96.4	18	41	78	9	20.5	3	696	1420	37.1	66.9	586	3540	1.7	6.8
○● LBR 50	75		75.4	112		112.4	20	46	94	11	23	4	1290	2500	55.1	94.1	941	5610	2.7	10.6
○ LBR 60	90	0 -0.022	90.5	127	0 -0.4	134.5	22	52.5	112	11	26	4	1870	3830	66.2	121	1300	8280	3.7	15.6
○● LBR 70	95		95.6	135		140.6	24	55.5	117	14	27	4	3000	6090	90.8	164	2080	11800	6	21.3
○● LBR 85	120		120.6	155		170.6	26	64.5	146	16	32	5	4740	9550	119	213	3180	17300	8.3	32
○● LBR 100	140	0 -0.025	140.6	175		198.6	34	70.5	170	18	35	5	6460	14400	137	271	4410	25400	14.2	45

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

(Example) LBR40 A CM+600L H
High temperature symbol

●: indicates model numbers for which felt seal types are available (see A-509).
A felt seal cannot be attached to Ball Spline models using metal retainer.

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.
For details on the maximum lengths of ball spline shafts by accuracy, please see B-410.

Model number coding

2 LBR30 UU CM +700L H K

Model No.
Number of spline nuts on one shaft (no symbol for one nut)
Symbol for clearance in the rotational direction (*2)
Contamination protection accessory symbol (*1)
Accuracy symbol (*3)
Overall spline shaft length (in mm)
Symbol for standard hollow spline shaft (*4)

(*1) See A-509. (*2) See A-481. (*3) See A-482. (*4) See B-381.