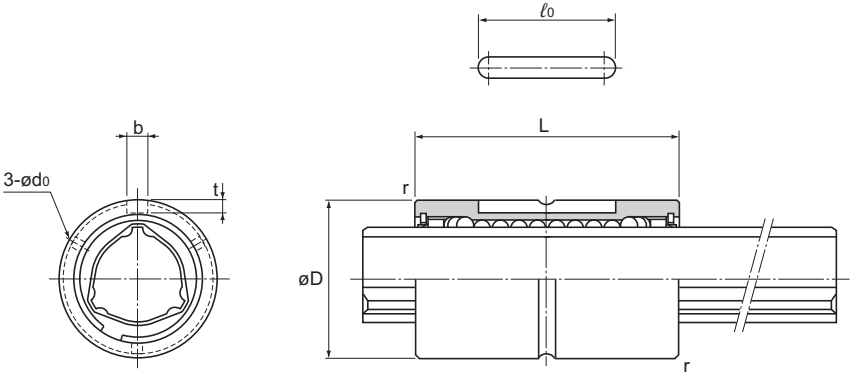
Model LBST (Heavy-Load Type)



Model No.	Spline nut dimensions								
	Outer diameter		Length		Keyway dimensions			r	Lubrication hole
	D	Tolerance	L	Tolerance	b H8	t +0.1 0	ℓ0		d0
○● LBST 20	30	0 −0.016	60	0 −0.2	4	2.5	26	0.5	2
○● LBST 25	37		70	0 −0.3	5	3	33	0.5	2
○● LBST 30	45		80		7	4	41	1	3
○● LBST 40	60	0 −0.019	100		10	4.5	55	1	3
○● LBST 50	75		112		15	5	60	1.5	4
○ LBST 60	90	0 −0.022	127		18	6	68	1.5	4
○● LBST 70	100		135		18	6	68	2	4
○● LBST 85	120		155	0 −0.4	20	7	80	2.5	5
○● LBST 100	140	0 −0.025	175		28	9	93	3	5
○ LBST 120	160		200	0 −0.5	28	9	123	3.5	6
○ LBST 150	205	0 −0.029	250		32	10	157	3.5	6

○: Indicates model numbers able to handle high temperatures (with metal retainers, the operating temperature is up to 100°C).

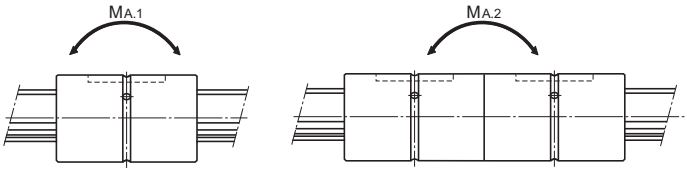
(Example) LBST25 A CM+400L H
└ High temperature symbol

●: Indicates model numbers for which felt seals are available (see A3-128).
A felt seal cannot be attached to ball spline models using metal retainers.

Model number coding

2 LBST50 UU CM +800L H K

- **2**: Number of spline nuts on one shaft (no symbol for one nut)
- **LBST50**: Model No.
- **UU**: Contamination protection accessory symbol [1]
- **CM**: Symbol for clearance in the rotational direction [2]
- **+800L**: Overall spline shaft length[5] (in mm)
- **H**: Accuracy symbol [3]
- **K**: Symbol for spline shaft[4]



Unit: mm

	Basic torque rating		Basic load rating (radial)		Static permissible moment		Mass	
	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 kg	Spline shaft kg/m
	90.2	213	9.4	20.1	103	632	0.17	1.8
	176	381	14.9	28.7	171	1,060	0.29	2.7
	312	657	22.5	41.4	295	1,740	0.5	3.8
	696	1,420	37.1	66.9	586	3,540	1.1	6.8
	1,290	2,500	55.1	94.1	941	5,610	1.9	10.6
	1,870	3,830	66.2	121	1,300	8,280	3.3	15.6
	3,000	6,090	90.8	164	2,080	11,800	3.8	21.3
	4,740	9,550	119	213	3,180	17,300	6.1	32
	6,460	14,400	137	271	4,410	25,400	10.4	45
	8,380	19,400	148	306	5,490	32,400	12.9	69.5
	13,900	32,200	196	405	8,060	55,400	28	116.6