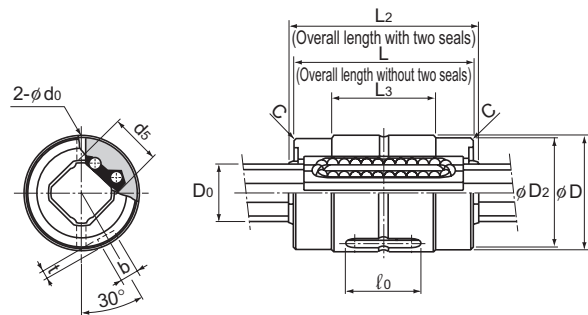
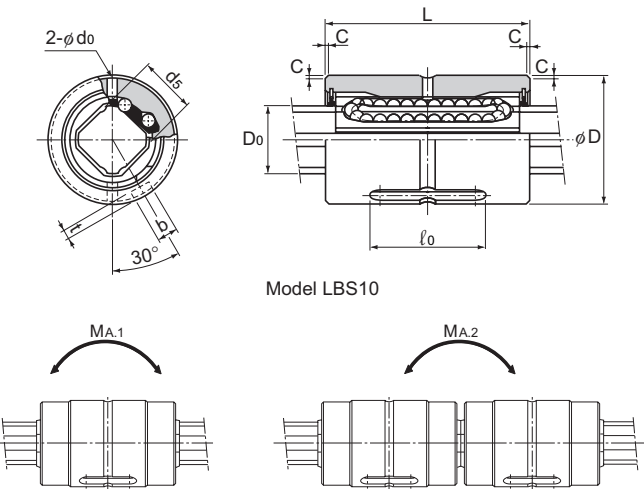


Miniature Ball Spline



Models LBS6 and 8



Model LBS10

Unit: mm

Model No.	Spline nut dimensions											Spline shaft outer diameter		Basic torque rating		Basic load rating (radial)		Static permissible moment		Mass		
	Outer diameter		Length		L ₂	L ₃	D ₂	Keyway dimensions														Greasing hole d _o
	D	Tolerance	L	Tolerance				b H8	t +0.05 0	ℓ ₀	C											
LBS 6	12	0	20	0 -0.2	20.8	11	11.5	2	0.8	10	0.3	1.2	6	5.3	1.53	2.41	0.637	0.785	2.2	19.4	6.6	0.22
LBS 8	16	-0.011	25		26.4	14.5	15.5	2.5	1.2	12.5	0.3	1.2	8	7.3	4.07	6.16	1.18	1.42	5.1	39.6	15.4	0.42
LBS 10	19	0 -0.013	30		—	—	—	3	1.5	17	0.3	1.5	10	8.3	7.02	10.4	1.62	1.96	8.1	67.6	36.7	0.55

Note) Models LBS6 and 8 are of end cap type.
Keep the end caps of models LBS6 and 8 from impact.
THK does not offer a high temperature type of miniature Ball Spline.

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 spline nut configuration is not stable in accuracy. We recommend using two spline nuts 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	LBS6	UU	CL	+200L	H
Model No.		Symbol for clearance in the rotational direction (*2)		Accuracy symbol (*3)	
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.

