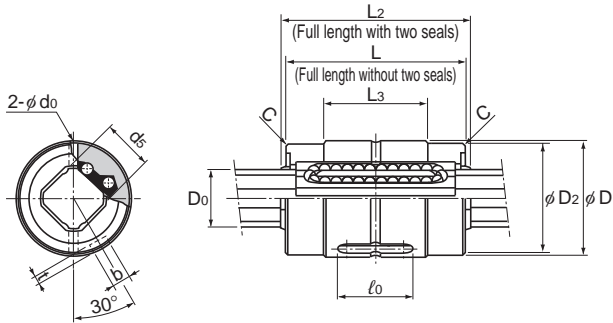


Model LBS (Medium Load Type)



Models LBS6 and 8

Model No.	Spline nut dimensions											
	Outer diameter		Length		L ₂	L ₃	D ₂	Keyway dimensions			r	C
	D	Tolerance	L	Tolerance				b H8	t +0.1 0	ℓ ₀		
LBS 6	12	0	20	0 -0.2	20.8	11	11.5	2	0.8	10	—	0.3
LBS 8	16	-0.011	25		26.4	14.5	15.5	2.5	1.2	12.5	—	0.3
LBS 10	19	0 -0.013	30	—	—	—	3	1.5	17	—	0.3	

Note) Models LBS6 and 8 are end cap types. Please refrain from subjecting them to impacts, etc.

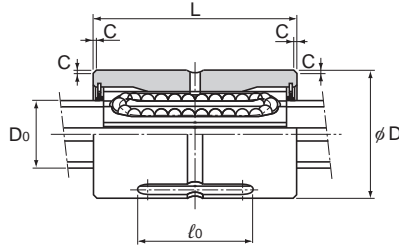
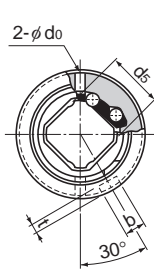
Model number coding

2 **LBS6** **UU** **CL** **+200L** **H**

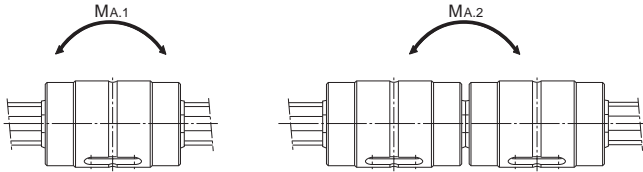
2: Number of spline nuts on one shaft (no symbol for one nut) (*)
 LBS6: Model No.
 UU: Contamination protection accessory symbol (*)
 CL: Symbol for clearance in the rotational direction (*)
 +200L: Overall spline shaft length (in mm) (*)
 H: Accuracy symbol (*)

(*) See **A3-120**. (*) See **A3-30**. (*) See **A3-34**. (*) See **A3-115**.

High Torque Type Ball Spline



Model LBS10



Unit: mm

Greasing hole	Spline shaft outer diameter		Basic torque rating		Basic load rating (radial)		Static permissible moment		Mass		
	d ₀	D ₀	d ₅	C _T N·m	C _{0T} N·m	C kN	C ₀ kN	M _{A1} ** N·m	M _{A2} ** N·m	Spline nut kg	Spline shaft kg/m
	1.2	6	5.3	1.53	2.41	0.637	0.785	2.2	19.4	0.0066	0.22
	1.2	8	7.3	4.07	6.16	1.18	1.42	5.1	39.6	0.0154	0.42
	1.5	10	8.3	7.02	10.4	1.62	1.96	8.1	67.6	0.0367	0.55

Note) **M_{A1} indicates the permissible moment in the axial direction when a single spline nut is used.

**M_{A2} indicates the allowable moment load in the axial direction when using two spline nuts in contact with each other.
(The accuracy of a configuration consisting of a single LBS unit will not be stable. We recommend using a single LBST unit or two LBS units in close contact with each other.)

For details on the maximum lengths of ball spline shafts by accuracy, please see **A3-115**.