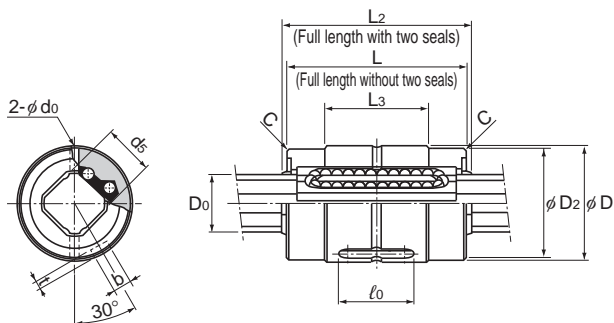


## Model LBS (Medium Load Type)



Models LBS6 and 8

Model No.	Spline nut dimensions											
	Outer diameter		Length		L <sub>2</sub>	L <sub>3</sub>	D <sub>2</sub>	Keyway dimensions			r	C
	D	Tolerance	L	Tolerance				b H8	t +0.1 0	ℓ <sub>0</sub>		
LBS 6	12	0 -0.011	20	0 -0.2	20.8	11	11.5	2	0.8	10	—	0.3
LBS 8	16	0 -0.013	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.

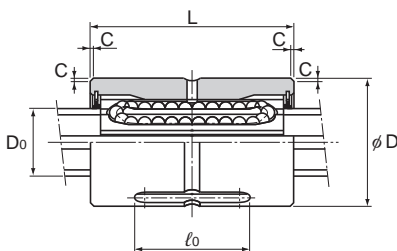
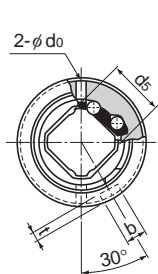
### Model number coding

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

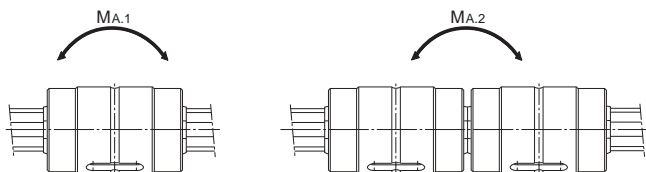
2	LBS6	UU	CL	+200L	H
Model No.		Symbol for clearance in the rotational direction (*2)		Accuracy symbol (*3)	
Number of spline nuts on one shaft (no symbol for one nut) (*1)		Contamination protection accessory symbol		Overall spline shaft length (*4) (in mm)	

(\*1) See **A3-120**. (\*2) See **A3-30**. (\*3) See **A3-34**. (\*4) 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 <sub>0</sub>	D <sub>0</sub>	d <sub>5</sub>	C <sub>T</sub> N·m	C <sub>0T</sub> N·m	C kN	C <sub>0</sub> kN	M <sub>A1</sub> ** N·m	M <sub>A2</sub> ** 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<sub>A1</sub> indicates the permissible moment in the axial direction when a single spline nut is used.

\*\*M<sub>A2</sub> indicates the allowable moment load in the axial direction when using two spline nuts in contact with each other.  
For details on the maximum lengths of ball spline shafts by accuracy, please see [A3-115](#).