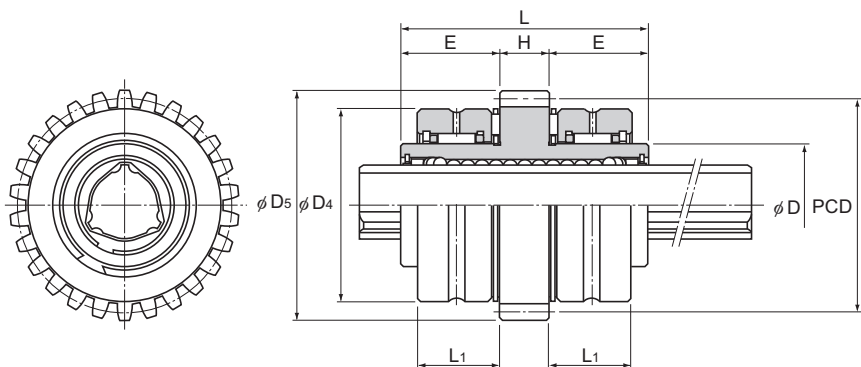


# Model LBG



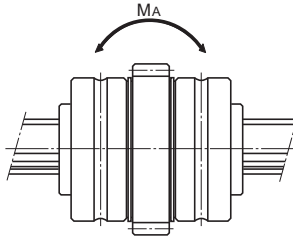
Model No.	Spline nut dimensions									
	Spline nut outer diameter		Length		Outer diameter		Width		H	E
	D	Tolerance	L	Tolerance	D <sub>4</sub>	Tolerance	L <sub>1</sub>	Tolerance		
● LBG 20	30	0 -0.009	60	0 -0.2	47	0 -0.011	20	0 -0.16	12	24
● LBG 25	40	0 -0.011	70		60	0 -0.013	23	0 -0.19	14	28
● LBG 30	45		80		65	27	16		32	
● LBG 40	60	0 -0.013	100	0 -0.3	85	0 -0.015	31	0 -0.25	18	41
● LBG 50	75		112		100		32		20	46
LBG 60	90	0 -0.015	127		120	38	22		52.5	
● LBG 85	120		155		150	0 -0.025	40		26	64.5

Note) ●: indicates model numbers for which felt seal types are available (see **A3-126**).

## Model number coding

<b>2</b>	<b>LBG50</b>	<b>UU</b>	<b>CM</b>	<b>+700L</b>	<b>H</b>	<b>K</b>
Model No.		Symbol for clearance in the rotational direction (*2)		Accuracy symbol (*3)		Symbol for spline shaft (*4)
Number of spline nuts on one shaft (no symbol for one nut)		Contamination protection accessory symbol (*1)		Overall spline shaft length (*5) (in mm)		

(\*1) See **A3-126**. (\*2) See **A3-30**. (\*3) See **A3-35**. (\*4) See **A3-106**. (\*5) See **A3-121**.



Unit: mm

	Gear specifications*				Basic torque rating		Basic load rating		Static permissible moment	Mass	
	Tip circle diameter $D_s$	Standard pitch diameter PCD	Module $m$	Number of teeth $z$	$C_T$ N·m	$C_{OT}$ N·m	$C$ kN	$C_0$ kN	$M_A^{**}$ N·m	Spline nut unit kg	Spline shaft kg/m
	56	52	2	26	90.2	213	9.4	20.1	103	0.61	1.8
	70	65	2.5	26	176	381	14.9	28.7	171	1.4	2.7
	75	70	2.5	28	312	657	22.5	41.4	295	2.1	3.8
	96	90	3	30	696	1420	37.1	66.9	586	3	6.8
	111	105	3	35	1290	2500	55.1	94.1	941	4.1	10.6
	133	126	3.5	36	1870	3830	66.2	121	1300	6.3	15.6
	168	160	4	40	4740	9550	119	213	3180	11.8	32

Note) \*The gear specifications in the table represent the dimensions with maximum module.

Special gear types such as helical gear and worm gear can also be manufactured at your request.

\*\* $M_A$  indicates the permissible moment value in the axial direction when a single spline nut is used, as shown in the figure above.

For details on the maximum lengths of ball spline shafts by accuracy, please see **A3-121**.