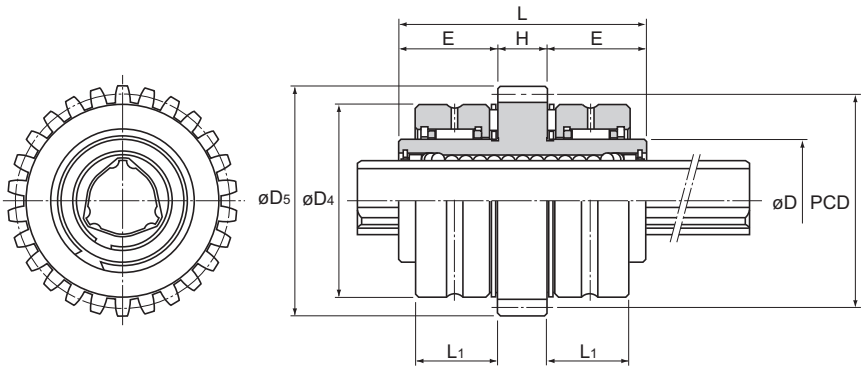
Model LBG



Model No.	Spline nut dimensions									
	Spline nut outer diameter		Length		Outer diameter		Width		H	E
	D	Tolerance	L	Tolerance	D_4	Tolerance	L_1	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		85	0 −0.015	31	0 −0.25	18	41
● LBG 50	75		112	0 −0.3	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

●: Indicates model numbers for which felt seals are available (see **A3-128**).

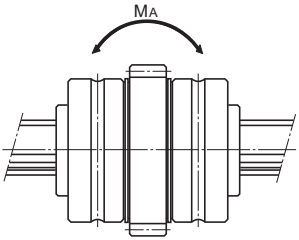
Model number coding

2 LBG50 UU CM +700L H K

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

[1] See **A3-128**. [2] See **A3-32**. [3] See **A3-37**. [4] See **A3-108**. [5] See **A3-123**.

Download data from the THK Online Services website. https://www.thk.com/



Unit: mm

	Gear specifications[1]				Basic torque rating		Basic load rating		Static permissible moment	Mass	
	Tip circle diameter D_5	Standard pitch diameter PCD	Module m	Number of teeth z	C_T N·m	C_{0T} N·m	C kN	C_0 kN	M_A[2] 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	1,420	37.1	66.9	586	3	6.8
	111	105	3	35	1,290	2,500	55.1	94.1	941	4.1	10.6
	133	126	3.5	36	1,870	3,830	66.2	121	1,300	6.3	15.6
	168	160	4	40	4,740	9,550	119	213	3,180	11.8	32

[1] The gear specifications in the table represent the dimensions with the highest possible module value. Special gear types such as a helical gear and a worm gear can also be manufactured at your request.
[2] M_A indicates the permissible moment value in the axial direction when a single spline nut is used, as shown in the figure above.
Note: For details on the maximum lengths of ball spline shafts by accuracy, please see A3-123.

Options⇒A3-128