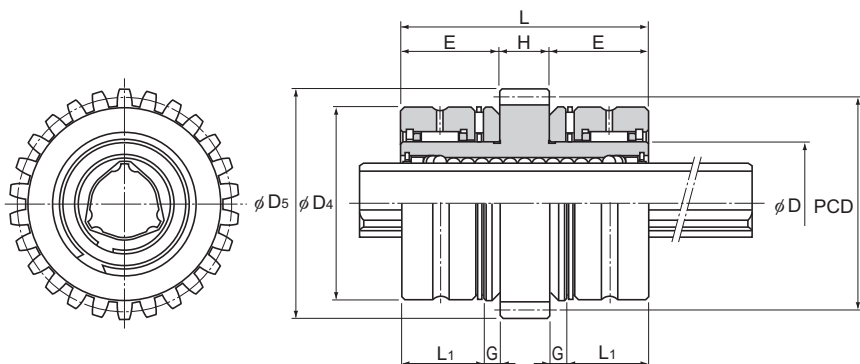


# Model LBGT



Model No.	Spline nut dimensions										
	Spline nut outer diameter		Length		Outer diameter		Width		Thrust raceway width	H	E
	D	Tolerance	L	Tolerance	D <sub>4</sub>	Tolerance	L <sub>1</sub>	Tolerance			
● LBGT 20	30	$0$ $-0.009$	60	$0$ $-0.2$	47	$0$ $-0.011$	20	$0$ $-0.16$	4	12	24
● LBGT 25	40	$0$ $-0.011$	70		60	$0$ $-0.013$	23	$0$ $-0.19$	5	14	28
● LBGT 30	45	$0$ $-0.011$	80		65	$0$ $-0.015$	27	$0$ $-0.25$	5	16	32
● LBGT 40	60	$0$ $-0.013$	100	$0$ $-0.3$	85	$0$ $-0.025$	31	$0$ $-0.25$	8	18	41
● LBGT 50	75	$0$ $-0.015$	112		100	$0$ $-0.025$	32		10	20	46
LBGT 60	90	$0$ $-0.015$	127		120	$0$ $-0.025$	38		12	22	52.5
● LBGT 85	120	$0$ $-0.015$	155		150	$0$ $-0.025$	40		16	26	64.5

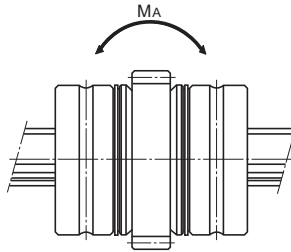
Note) ●: indicates model numbers for which felt seal types are available (see **A3-126**).

## Model number coding

**2 LBGT40 UU CL +700L P K**

2: Model No.  
 LBGT40: Number of spline nuts on one shaft (no symbol for one nut) (1)  
 UU: Symbol for clearance in the rotational direction (2)  
 CL: Contamination protection accessory symbol (3)  
 +700L: Accuracy symbol (4)  
 P: Overall spline shaft length (5) (in mm)  
 K: Symbol for spline shaft (4)

(\*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	0.67	1.8
	70	65	2.5	26	176	381	14.9	28.7	171	1.5	2.7
	75	70	2.5	28	312	657	22.5	41.4	295	2.2	3.8
	96	90	3	30	696	1420	37.1	66.9	586	3.3	6.8
	111	105	3	35	1290	2500	55.1	94.1	941	4.8	10.6
	133	126	3.5	36	1870	3830	66.2	121	1300	7.2	15.6
	168	160	4	40	4740	9550	119	213	3180	13.4	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**.