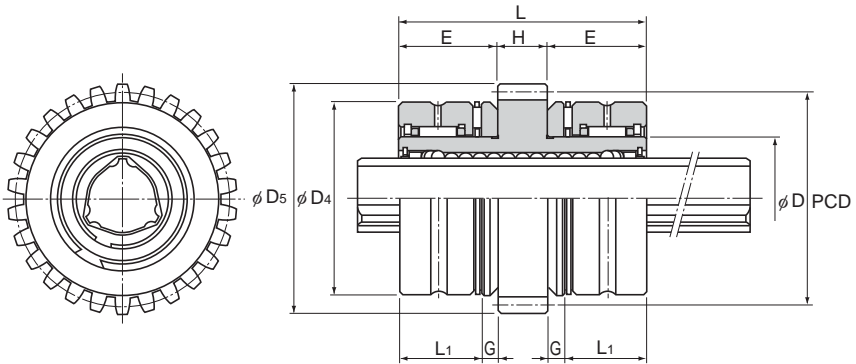


# Model LBGT



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	<sup>0</sup> <sub>-0.009</sub>	60	0 -0.2	47	<sup>0</sup> <sub>-0.011</sub>	20	<sup>0</sup> <sub>-0.16</sub>	4	12	24
● LBGT 25	40	<sup>0</sup> <sub>-0.011</sub>	70		60	<sup>0</sup> <sub>-0.013</sub>	23	<sup>0</sup> <sub>-0.19</sub>	5	14	28
● LBGT 30	45	<sup>0</sup> <sub>-0.013</sub>	80		65	<sup>0</sup> <sub>-0.015</sub>	27	<sup>0</sup> <sub>-0.25</sub>	5	16	32
● LBGT 40	60	<sup>0</sup> <sub>-0.015</sub>	100		85	<sup>0</sup> <sub>-0.025</sub>	31	<sup>0</sup> <sub>-0.25</sub>	8	18	41
● LBGT 50	75	<sup>0</sup> <sub>-0.015</sub>	112	0 -0.3	100	<sup>0</sup> <sub>-0.025</sub>	32	0 -0.25	10	20	46
LBGT 60	90	<sup>0</sup> <sub>-0.015</sub>	127		120	<sup>0</sup> <sub>-0.025</sub>	38		12	22	52.5
● LBGT 85	120	<sup>0</sup> <sub>-0.015</sub>	155		150	<sup>0</sup> <sub>-0.025</sub>	40		16	26	64.5

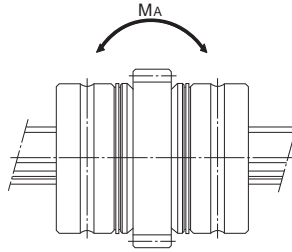
Note) ●: indicates model numbers for which felt seal types are available (see **A3-90**).

## Model number coding

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

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

(<sup>(1)</sup>) See **A3-90**. (<sup>(2)</sup>) See **A3-25**. (<sup>(3)</sup>) See **A3-28**. (<sup>(4)</sup>) See **A3-74**.



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 **A3-87**.