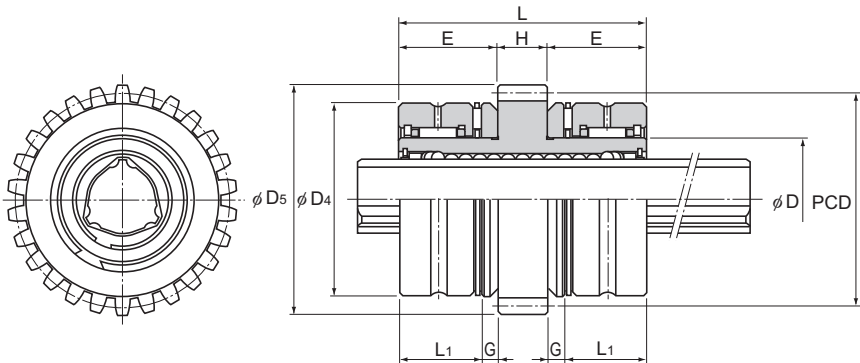


Model LBGT



Model No.	Spline nut dimensions											
	Spline nut outer diameter		Length		Outer diameter		Width		Thrust raceway width	H	E	
	D	Tolerance	L	Tolerance	D ₄	Tolerance	L ₁	Tolerance				G
● LBGT 20	30	⁰ _{-0.009}	60	0 -0.2	47	⁰ _{-0.011}	20	⁰ _{-0.16}	0 -0.25	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 _{-0.013}	80		65	⁰ _{-0.015}	27	⁰ _{-0.25}		5	16	32
● LBGT 40	60	⁰ _{-0.015}	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		⁰ _{-0.25}	10	20	46
LBGT 60	90	⁰ _{-0.015}	127		120	⁰ _{-0.025}	38		⁰ _{-0.25}	12	22	52.5
● LBGT 85	120	⁰ _{-0.015}	155		150	⁰ _{-0.025}	40		16	26	64.5	

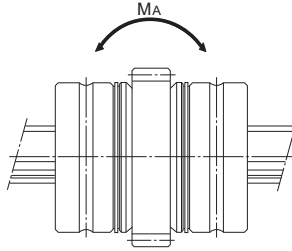
Note) ●: indicates model numbers for which felt seal types are available (see **A3-126**).

Model number coding

2 LBGT40 UU CL +700L P K

2	LBGT40	UU	CL	+700L	P	K
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) (⁽¹⁾)	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	0.67	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**.