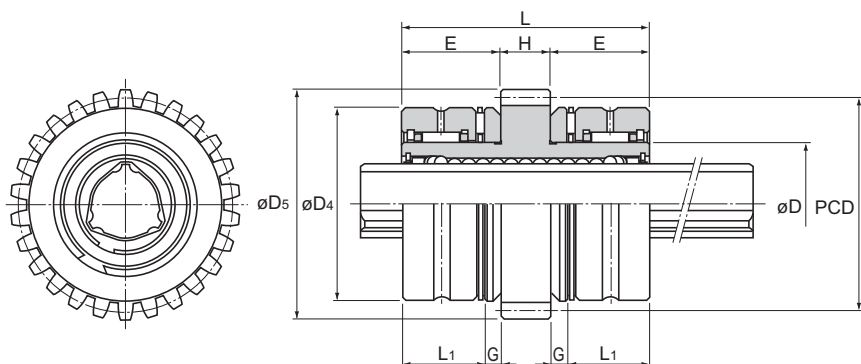


Model LBGT



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

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

Model number coding

2 LBGT40 UU CL +700L P K

Model No.

Symbol for clearance in the rotational direction²

Accuracy symbol³

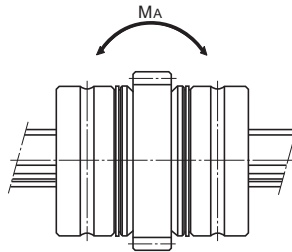
Symbol for spline shaft⁴

Number of spline nuts on one shaft
(no symbol for one nut)

Contamination protection accessory symbol¹

Overall spline shaft length⁵
(in mm)

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



Unit: mm

	Gear specifications ¹				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^2 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	1,420	37.1	66.9	586	3.3	6.8
	111	105	3	35	1,290	2,500	55.1	94.1	941	4.8	10.6
	133	126	3.5	36	1,870	3,830	66.2	121	1,300	7.2	15.6
	168	160	4	40	4,740	9,550	119	213	3,180	13.4	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**.