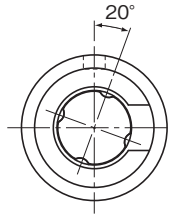
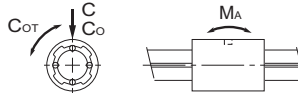


# Model LG



Model No.	Shaft Diameter D <sub>h</sub> h7	Nut dimensions					
		Outer diameter		Length		Pin hole	
		D	Tolerance	L	Tolerance	b +0.05 0	t +0.08 -0.02
LG4S	4	8	0	12	0	1.2	0.8
LG4L		8	-0.009	19	-0.12	1.2	0.8
LG6S	6	12	0	19	0	1.5	1.2
LG6L		12		27		1.5	1.2
LG8S	8	15	-0.011	24	-0.2	2	1.5
LG8L		15		30		2	1.5

Note) The basic load ratings each indicate the value when one row of balls receiving a load are directly under the load.  
 The permissible torques each represent a reference value when the radial clearance is maximum (+10 $\mu$ m).  
 The permissible moments each indicate a reference value when the radial clearance is the maximum (+10 $\mu$ m) with one row of balls receiving a load being directly under the load.



## Model number coding

① LG shaft only

**LG4 -100L**

Model No.

Overall LG shaft length

② LG nut only

**LG4S**

Model No.

③ A set product consisting of an LG shaft and an LG nut

**2 LG4S +100L**

Model No.

Overall LG shaft length

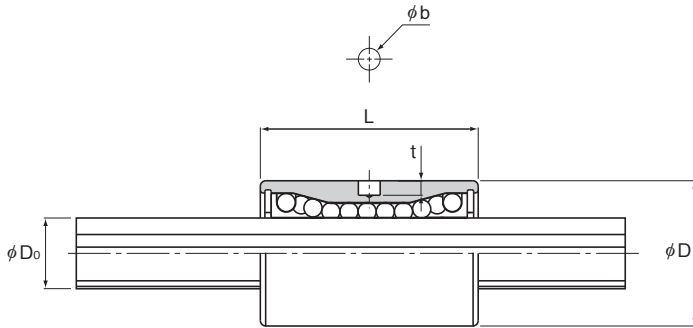
Number of LG nuts on one shaft  
(no symbol for one nut)

Note) Model LG guide ball bushing available as LG shaft ①, or the LG nut ② separate.

A set consisting of an ③ LG shaft + an LG nut is also available if so desired.

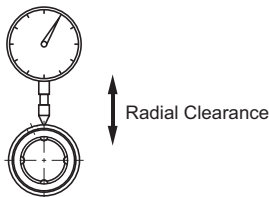
A special radial clearance, designated grease application (standard type is applied only with antirust oil) and surface treatment (THK AP-C treatment, THK AP-CF treatment, THK AP-HC treatment) are also available.

Contact THK for details.



Unit: mm

Basic load rating (radial)		Permissible torque $C_{0T}$ N·m	Permissible moment $M_A$ N·m	Mass g
C N	$C_0$ N			
335	473	0.066	0.33	2.5
466	757	0.105	0.71	4
494	681	0.241	0.74	10.5
860	1499	0.53	1.71	14
796	1065	0.838	1.46	16.5
1203	1916	1.509	2.66	22

**[Radial Clearance]**

Measurement of a radial clearance

Radial Clearance Unit:  $\mu\text{m}$ 

Normal clearance
0 to +10

**[LG Shaft]**

Material: SUJ2

Hardness: 56 to 64 HRC



LG shaft dimensions Unit: mm

Model No.	Shaft diameter $D_0$ h7	Standard length L			Maximum manufacturing length	Mass (g/m)
		100	150	200		
LG4	4	100	150	—	150	95
LG6	6	100	150	200	—	220
LG8	8	100	150	200	250	390