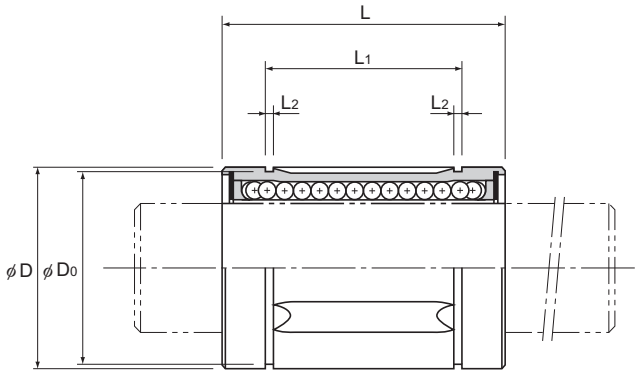
Model LM-MG (Stainless Steel Type)



Model No.			Ball rows	Main							
				Inscribed bore diameter			Outer diameter		Length	
					Tolerance			Tolerance		
Standard type	Clearance-adjustable type	Open type		dr	High	Precision	D	High/Precision	L	Tolerance
LM 3M	—	—	4	3	0 –0.008	0 –0.005	7	0 –0.009	10	0 –0.12
LM 4M	—	—	4	4			8		12	
LM 5M	—	—	4	5			10		15	
✻ LM 6MG	LM 6MG-AJ	—	4	6	0 –0.009	0 –0.006	12	0 –0.011	19	0 –0.2
✻ LM 8SMG	LM 8SMG-AJ	—	4	8			15		17	
✻ LM 8MG	✻ LM 8MG-AJ	—	4	8			15		24	
✻ LM 10MG	✻ LM 10MG-AJ	—	4	10			19	0 –0.013	29	
✻ LM 12MG	✻ LM 12MG-AJ	—	4	12			21		30	
✻ LM 13MG	✻ LM 13MG-AJ	✻ LM13MGA-OP	4	13			23		32	
✻ LM 16MG	✻ LM 16MG-AJ	✻ LM16MGA-OP	4	16			28		37	
✻ LM 20MG	✻ LM 20MG-AJ	✻ LM20MGA-OP	5	20	0 –0.010	0 –0.007	32	0 –0.016	42	0 –0.3
✻ LM 25MG	✻ LM 25MG-AJ	✻ LM25MGA-OP	5	25			40		59	
✻ LM 30MG	✻ LM 30MG-AJ	✻ LM30MGA-OP	6	30			45		64	
✻ LM 35MG	✻ LM 35MG-AJ	✻ LM35MGA-OP	6	35	0 –0.012	0 –0.008	52	0 –0.019	70	
✻ LM 40MG	✻ LM 40MG-AJ	✻ LM40MGA-OP	6	40			60		80	

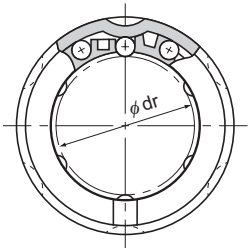
Note) Since this model contains a synthetic resin retainer, do not use it at temperature exceeding 80℃.
If the ambient temperature exceeds 80℃, use the type equipped with a metal retainer and indicate “A” at the end of the model number.
(For those marked with ✻ in the table, metal retainers are available. Only metal retainer is available for open type.)
(Metal retainer types of models LM6MG, 8SMG and 8MG each have 3 rows of balls.)

(Example) LM30MG A
A: High temperature symbol

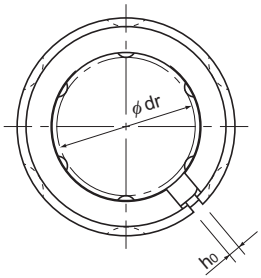
If requiring a type equipped with a seal, indicate it when placing an order. (seal heat resistance: 80℃.)

(Example) LM30MG UU
UU: Seal attached on both ends of the nut

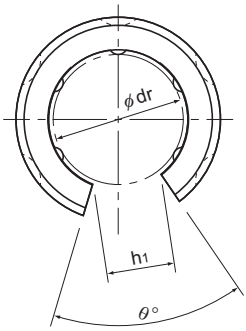
For the clearance-adjustable type (-AJ) and open type (-OP), the inscribed bore diameter tolerance, the outer diameter tolerance, and the eccentricity indicate the values before the division of the nut.



Model LM-MG



Model LM-MG-AJ



Model LM-MG-OP

Unit: mm

dimensions								Eccentricity (max) μm		Radial clearance tolerance	Basic load rating		Mass
	L_1	Tolerance	L_2	D_0	h_0	h_1	θ°	High	Precision	μm	C N	C_0 N	g
	—	—	—	—	—	—	—	8	4	–2	88.2	108	1.6
	—	—	—	—	—	—	—	8	4	–3	88.2	127	2.2
	10.2	0 –0.2	1.1	9.6	—	—	—	8	4	–3	167	206	4
	13.5		1.1	11.5	1	—	—	12	8	–5	206	265	6
	11.5		1.1	14.3	1	—	—	12	8	–5	176	225	9
	17.5		1.1	14.3	1	—	—	12	8	–5	265	402	13
	22		1.3	18	1	—	—	12	8	–5	373	549	23
	23		1.3	20	1.5	—	—	12	8	–5	412	598	27
	23		1.3	22	1.5	9	80	12	8	–7	510	775	35
	26.5		1.6	27	1.5	11	80	12	8	–7	775	1180	59
	30.5		1.6	30.5	1.5	11	60	15	10	–9	863	1370	79
	41	0 –0.3	1.85	38	2	12	50	15	10	–9	980	1570	170
	44.5		1.85	43	2.5	15	50	15	10	–9	1570	2750	220
	49.5		2.1	49	2.5	17	50	20	12	–13	1670	3140	330
	60.5		2.1	57	3	20	50	20	12	–13	2160	4020	530

Note) Since the nut and the balls use stainless steel, these models are highly resistant to corrosion and environment.
If a lubrication hole is required, this can be indicated by appending "OH" to the end of the model number.
For further information, contact THK.
When using the Linear Bushing on a single shaft, use two or more bushings on the same shaft to minimize a moment load, and secure a large distance between the units.

Options⇒A4-119