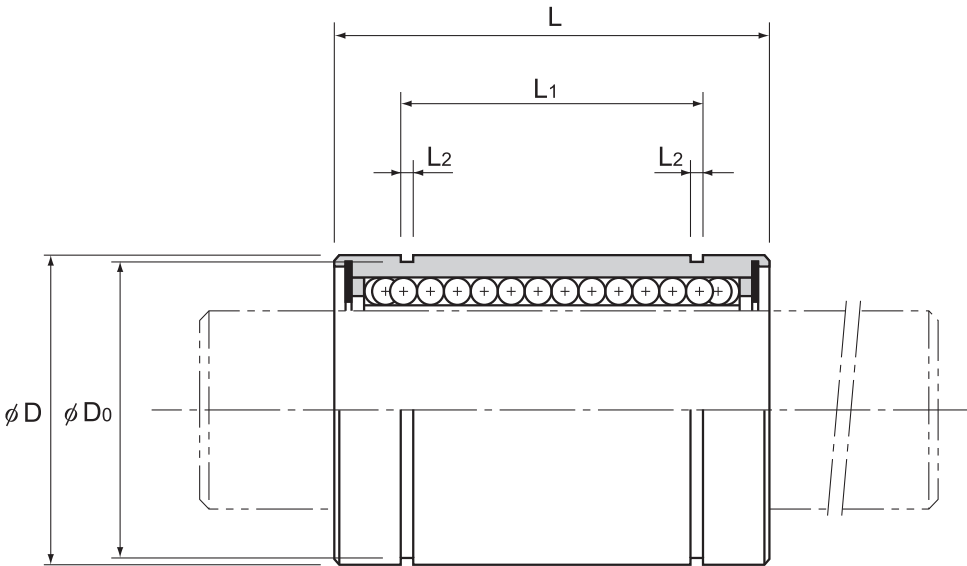
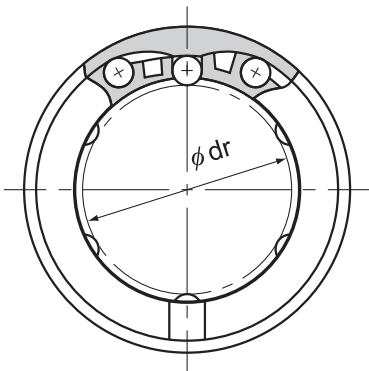


Model LM

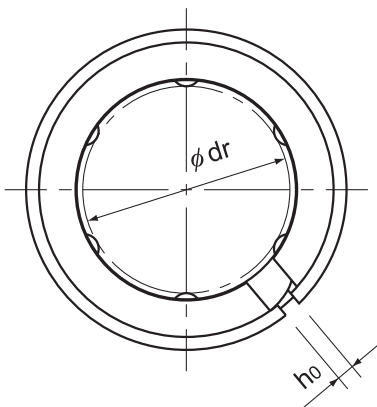


Model No.			Ball rows	Main						
Standard type	Clearance- adjustable type	Open type		Inscribed bore diameter		Outer diameter		Length		
				dr	Tolerance		D	Tolerance High/Precision	L	Tolerance
					High	Precision				
LM 3	—	—	4	3	0 −0.008	0 −0.005	7	0 −0.009	10	0 −0.12
LM 4	—	—	4	4			8		12	
LM 5	—	—	4	5			10		15	
LM 6	LM 6-AJ	—	4	6	0 −0.009	0 −0.006	12	0 −0.011	19	0 −0.2
LM 8S	LM 8S-AJ	—	4	8			15		17	
LM 8	LM 8-AJ	—	4	8			15		24	
LM 10	LM 10-AJ	—	4	10			19	0 −0.013	29	
LM 12	LM 12-AJ	—	4	12			21		30	
LM 13	LM 13-AJ	LM 13-OP	4	13			23		32	
LM 16	LM 16-AJ	LM 16-OP	5	16	28	37	0 −0.016	42	0 −0.3	
LM 20	LM 20-AJ	LM 20-OP	5	20	32	59				
LM 25	LM 25-AJ	LM 25-OP	6	25	40	64				
LM 30	LM 30-AJ	LM 30-OP	6	30	0 −0.010	0 −0.007	45	0 −0.019	70	0 −0.3
LM 35	LM 35-AJ	LM 35-OP	6	35			52		80	
LM 40	LM 40-AJ	LM 40-OP	6	40			60		100	
LM 50	LM 50-AJ	LM 50-OP	6	50	0 −0.012	0 −0.008	80	0 −0.022	110	
LM 60	LM 60-AJ	LM 60-OP	6	60			0 −0.015		0 −0.009	

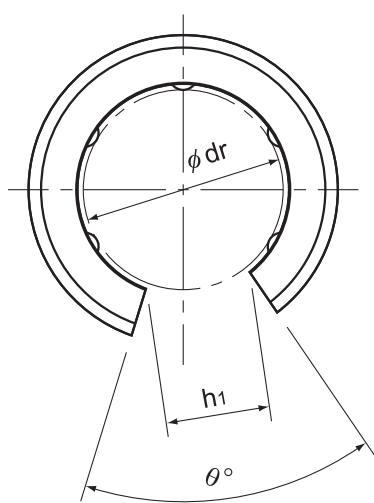
Note) Since this model contains a synthetic resin retainer, do not use it at temperature exceeding 80°C.
 If the ambient temperature exceeds 80°C, use the type equipped with a metal retainer (model LM-GA).
 If requiring a type equipped with a seal, indicate it when placing an order.
 (Example) LM13 UU
 _____ 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



Model LM-AJ



Model LM-OP

Unit: mm

dimensions								Eccentricity (max) μm		Radial clearance tolerance μm	Basic load rating		Mass g
	L_1	Tolerance	L_2	D_0	h_0	h_1	θ°	High	Precision		C N	C_0 N	
	—	—	—	—	—	—	—	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	8
	11.5		1.1	14.3	1	—	—	12	8	−5	176	225	9.3
	17.5		1.1	14.3	1	—	—	12	8	−5	265	402	13.5
	22		1.3	18	1	—	—	12	8	−5	373	549	25
	23		1.3	20	1.5	—	—	12	8	−5	412	598	28
	23		1.3	22	1.5	9	80	12	8	−7	510	775	38
	26.5		1.6	27	1.5	11	60	12	8	−7	775	1180	78
	30.5		1.6	30.5	1.5	11	60	15	10	−9	863	1370	86
	41	0 −0.3	1.85	38	2	12	50	15	10	−9	980	1570	210
	44.5		1.85	43	2.5	15	50	15	10	−9	1570	2750	221
	49.5		2.1	49	2.5	17	50	20	12	−13	1670	3140	358
	60.5		2.1	57	3	20	50	20	12	−13	2160	4020	557
	74		2.6	76.5	3	25	50	20	12	−13	3820	7940	1418
	85		3.15	86.5	3	30	50	25	17	−16	4710	10000	1733

Note) When using the Linear Bushing on a single shaft, use two or more units (instead of one unit) on the same shaft to avoid a moment load, and secure a large distance between the units.
If an oil hole is required, this can be indicated by appending "OH" to the end of the model number.
For further information, contact THK.

Options⇒A4-119

THK A4-43

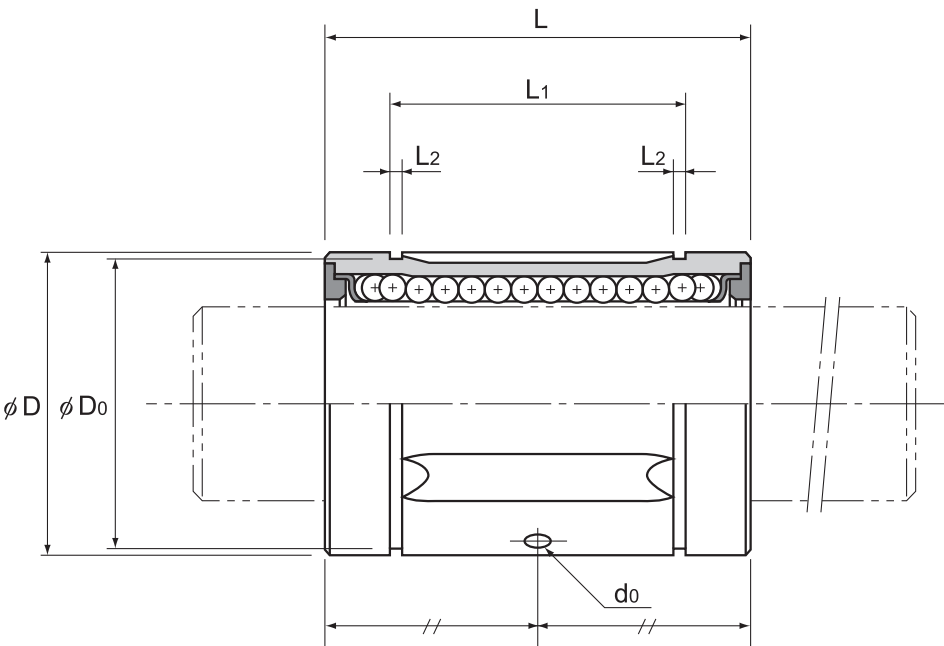


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Model LM-GA (Metal Retainer Type)



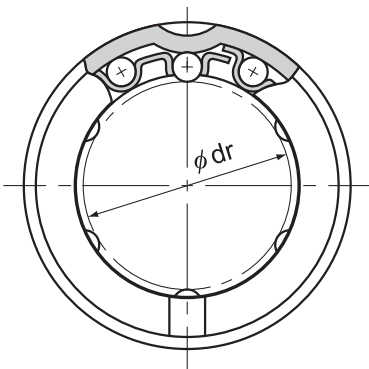
Model No.			Ball rows	Main						
Standard type	Clearance- adjustable type	Open type		Inscribed bore diameter		Outer diameter		Length		
				dr	Tolerance		D	Tolerance High/Precision	L	Tolerance
					High	Precision				
LM 6GA	—	—	3	6	0 −0.009	0 −0.006	12	0 −0.011	19	0 −0.2
LM 8SGA	—	—	3	8			15		17	
LM 8GA	—	—	3	8			15		24	
LM 10GA	—	—	4	10			19	0 −0.013	29	
LM 12GA	LM 12GA-AJ	LM 12GA-OP	4	12			21		30	
LM 13GA	LM 13GA-AJ	LM 13GA-OP	4	13			23		32	
LM 16GA	LM 16GA-AJ	LM 16GA-OP	4	16	0 −0.010	0 −0.007	28	0 −0.016	37	0 −0.3
LM 20GA	LM 20GA-AJ	LM 20GA-OP	5	20			32		42	
LM 25GA	LM 25GA-AJ	LM 25GA-OP	5	25			40		59	
LM 30GA	LM 30GA-AJ	LM 30GA-OP	6	30	0 −0.012	0 −0.008	45	0 −0.019	64	
LM 35GA	LM 35GA-AJ	LM 35GA-OP	6	35			52		70	
LM 38GA	LM 38GA-AJ	LM 38GA-OP	6	38			57		76	
LM 40GA	LM 40GA-AJ	LM 40GA-OP	6	40			60		80	
LM 50GA	LM 50GA-AJ	LM 50GA-OP	6	50	0 −0.015	0 −0.009	80	0 −0.022	100	0 −0.4
LM 60GA	LM 60GA-AJ	LM 60GA-OP	6	60			90		110	
LM 80GA	LM 80GA-AJ	LM 80GA-OP	6	80	0 −0.020	0 −0.010	120	0 −0.025	140	
LM 100GA	LM 100GA-AJ	LM 100GA-OP	6	100			150		175	
LM 120A	LM 120A-AJ	LM 120A-OP	8	120			180		200	

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

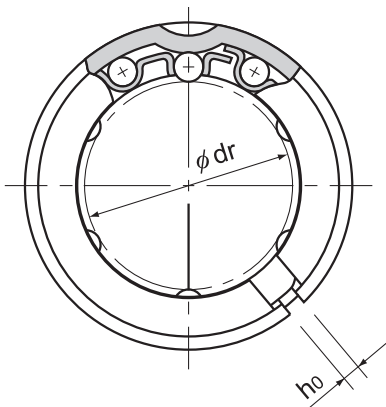
(Example) LM50GA UU

Seal attached on both ends of the nut

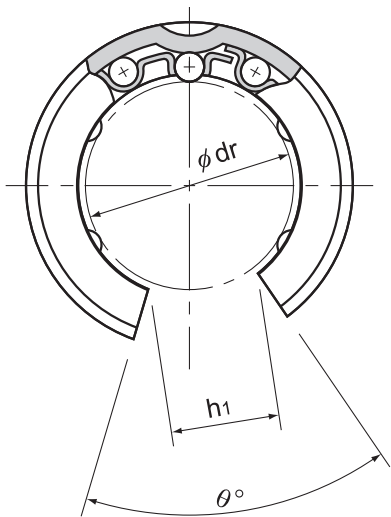
For the clearance-adjustable type (-AJ) and open type (-OP), the inscribed bore diameter tolerance, the outer diameter tolerance, and the eccentricity indicate the values before the division of the nut.



Model LM-GA



Model LM-GA-AJ



Model LM-GA-OP

Unit: mm

dimensions								Greasing hole d_0	Eccentricity (max) μm		Radial clearance tolerance μm	Basic load rating		Mass g
	L_1	Tolerance	L_2	D_0	h_0	h_1	θ°		High	Precision		C N	C_0 N	
	13.5	0 -0.2	1.1	11.5	—	—	—	—	12	8	-5	206	265	7
	11.5		1.1	14.3	—	—	—	—	12	8	-5	176	225	10
	17.5		1.1	14.3	—	—	—	—	12	8	-5	265	402	14
	22		1.3	18	—	—	—	2	12	8	-5	373	549	27
	23		1.3	20	1.5	7.5	80	2	12	8	-5	412	598	31
	23		1.3	22	1.5	9	80	2	12	8	-7	510	775	41
	26.5		1.6	27	1.5	11	60	2.3	12	8	-7	775	1180	69
	30.5		1.6	30.5	2	11	60	2.3	15	10	-9	863	1370	92
	41	0 -0.3	1.85	38	2	13	60	3	15	10	-9	980	1570	200
	44.5		1.85	43	2.5	15	50	3	15	10	-9	1570	2750	250
	49.5		2.1	49	2.5	17	50	3	20	12	-13	1670	3140	370
	58.5		2.1	54.5	3	18	50	3	20	12	-13	2160	4020	490
	60.5		2.1	57	3	20	50	3	20	12	-13	2160	4020	590
	74		2.6	76.5	3	25	50	4	20	12	-13	3820	7940	1500
	85		3.15	86.5	3	30	50	4	25	17	-16	4710	10000	1850
	105.5		4.15	116	3	40	50	4	25	17	-16	7350	16000	4200
	125.5	0 -0.4	4.15	145	3	50	50	4	30	20	-20	14100	34800	8200
	158.6		4.15	175	4	85	80	5	30	20	-25	16400	40000	15500

Note) 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.
Model LM-GA has oil holes as a standard feature.
If an oil hole is required, this can be indicated by appending “OH” to the end of the model number.
For further information, contact THK.

Options⇒A4-119

THK A4-45

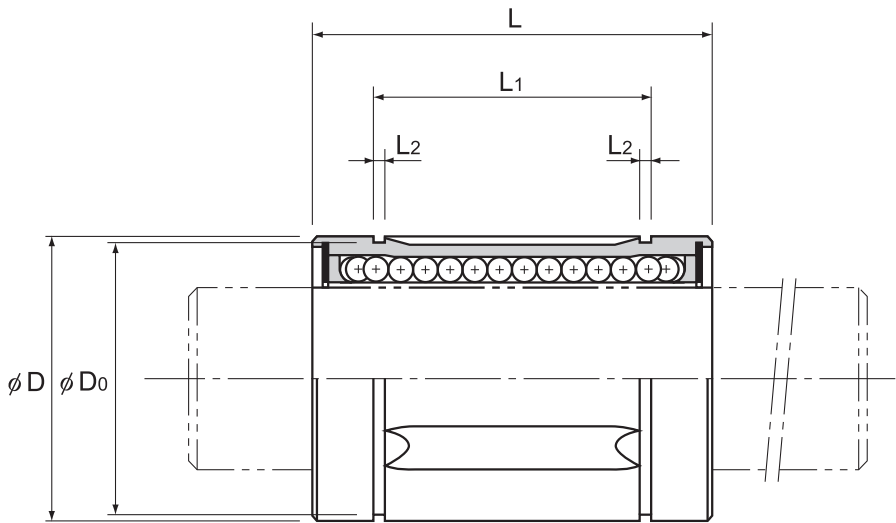


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Model LM-MG (Stainless Steel Type)



Model No.			Ball rows	Main						
Standard type	Clearance- adjustable type	Open type		Inscribed bore diameter		Outer diameter		Length		
				dr	Tolerance		D	Tolerance High/Precision	L	Tolerance
					High	Precision				
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	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	
* 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°C.
 If the ambient temperature exceeds 80°C, 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

High temperature symbol

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

(Example) LM30MG 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.

