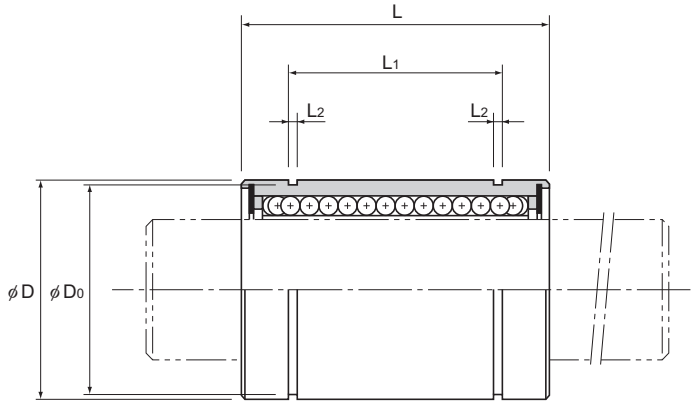
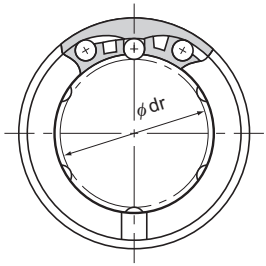
Model LM

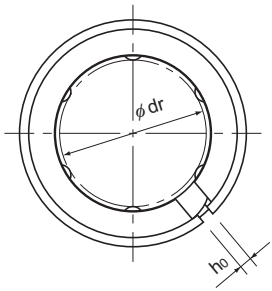


Model No.			Ball rows	Main						
				Inscribed bore diameter			Outer diameter		Length	
					Tolerance			Tolerance		
Standard type	Clearance-adjustable type	Open type		dr	Precision	High	D	Precision/high	L	Tolerance
LM 3	—	—	4	3	0 −0.005	0 −0.008	7	0 −0.009	10	0 −0.12
LM 4	—	—	4	4			8		12	
LM 5	—	—	4	5			10		15	
LM 6	LM 6-AJ	—	4	6	0 −0.006	0 −0.009	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	LM 12-OP	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	
LM 20	LM 20-AJ	LM 20-OP	5	20	0 −0.007	0 −0.010	32	0 −0.016	42	
LM 25	LM 25-AJ	LM 25-OP	6	25			40		59	0 −0.3
LM 30	LM 30-AJ	LM 30-OP	6	30			45		64	
LM 35	LM 35-AJ	LM 35-OP	6	35	0 −0.008	0 −0.012	52	0 −0.019	70	
LM 40	LM 40-AJ	LM 40-OP	6	40			60		80	
LM 50	LM 50-AJ	LM 50-OP	6	50			80	0 −0.022	100	
LM 60	LM 60-AJ	LM 60-OP	6	60	0 −0.009	0 −0.015	90		110	

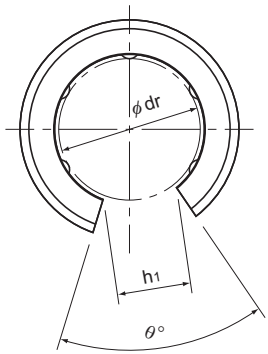
Note) Since this model contains a synthetic resin retainer, do not use it at temperature exceeding 80℃.
If the ambient temperature exceeds 80℃, use the type equipped with a metal retainer (model LM-GA).
If requiring a type equipped with a seal, indicate it when placing an order.
(Example) LM13 UU
Seal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

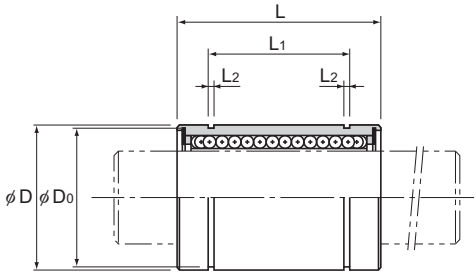
Unit: mm

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°	Precision	High		C N	C_0 N	
	—	—	—	—	—	—	—	4	8	–2	88.2	108	1.4
	—	—	—	—	—	—	—	4	8	–3	88.2	127	1.9
	10.2	0 –0.2	1.1	9.6	—	—	—	4	8	–3	167	206	4
	13.5		1.1	11.5	1	—	—	8	12	–5	206	265	8
	11.5		1.1	14.3	1	—	—	8	12	–5	176	225	11
	17.5		1.1	14.3	1	—	—	8	12	–5	265	402	16
	22		1.3	18	1	—	—	8	12	–5	373	549	30
	23		1.3	20	1.5	8	80	8	12	–5	412	598	31.5
	23		1.3	22	1.5	9	80	8	12	–7	510	775	43
	26.5		1.6	27	1.5	11	60	8	12	–7	775	1180	69
	30.5		1.6	30.5	1.5	11	60	10	15	–9	863	1370	87
	41	0 –0.3	1.85	38	2	12	50	10	15	–9	980	1570	220
	44.5		1.85	43	2.5	15	50	10	15	–9	1570	2750	250
	49.5		2.1	49	2.5	17	50	12	20	–13	1670	3140	390
	60.5		2.1	57	3	20	50	12	20	–13	2160	4020	585
	74		2.6	76.5	3	25	50	12	20	–13	3820	7940	1580
	85		3.15	86.5	3	30	50	17	25	–16	4710	10000	2000

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⇒A4-113

Model LME



Model No.			Ball rows	Main					
				Inscribed bore diameter		Outer diameter		Length	
Standard type	Clearance-adjustable type	Open type		dr	Tolerance	D	Tolerance	L	Tolerance
LME 5	LME 5-AJ	—	4	5	+0.008 0	12	0 –0.008	22	0 –0.2
LME 8	LME 8-AJ	—	4	8		16		25	
LME 12	LME 12-AJ	LME 12-OP	4	12		22	0 –0.009	32	
LME 16	LME 16-AJ	LME 16-OP	5	16	+0.009 –0.001	26		36	
LME 20	LME 20-AJ	LME 20-OP	5	20		32	0 –0.011	45	
LME 25	LME 25-AJ	LME 25-OP	6	25	+0.011 –0.001	40		58	0 –0.3
LME 30	LME 30-AJ	LME 30-OP	6	30		47		68	
LME 40	LME 40-AJ	LME 40-OP	6	40	+0.013 –0.002	62	0 –0.013	80	
LME 50	LME 50-AJ	LME 50-OP	6	50		75		100	
LME 60	LME 60-AJ	LME 60-OP	6	60		90	0 –0.015	125	0 –0.4
LME 80GA	LME 80GA-AJ	LME 80GA-OP	6	80	+0.016 –0.004	120		165	

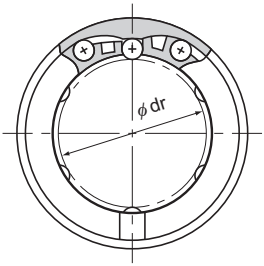
Note) Since Linear Bushing models LME60 or smaller models are incorporated with a synthetic resin retainer, do not use them at temperature exceeding 80℃.
If the ambient temperature exceeds 80℃, use the type equipped with a metal retainer and indicate “A” at the end of the model number.

(Example) LME20G A
└──── High temperature symbol

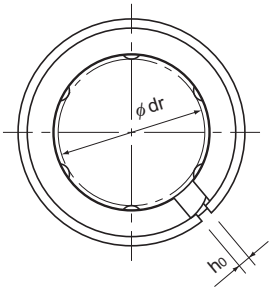
If requiring a type equipped with a seal, indicate it when placing an order. (seal heat resistance: 80℃.)

(Example) LME16 UU
└──── Seal attached on both ends of the nut

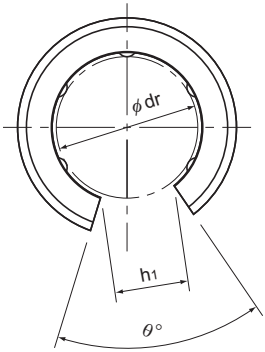
For the clearance-adjustable type (-AJ) and open type (-OP), the inscribed bore diameter tolerance, the outer diameter tolerance, and the eccentricity indicate the values before the division of the nut.



Model LME



Model LME-AJ



Model LME-OP

Unit: mm

dimensions							Eccentricity (max)	Radial clearance tolerance	Basic load rating		
L_1	Tolerance	L_2	D_0	h_0	h_1	θ°	μm	μm	C N	C_0 N	Mass g
14.5	0 −0.2	1.1	11.5	1	—	—	12	–5	206	265	11
16.5		1.1	15.2	1	—	—	12	–5	265	402	20
22.9		1.3	21	1.5	7.5	78	12	–7	510	775	41
24.9		1.3	24.9	1.5	10	78	12	–7	775	1180	57
31.5		1.6	30.3	2	10	60	15	–9	863	1370	91
44.1	0 −0.3	1.85	37.5	2	12.5	60	15	–9	980	1570	215
52.1		1.85	44.5	2	12.5	50	15	–9	1570	2750	325
60.6		2.15	59	3	16.8	50	17	–13	2160	4020	705
77.6		2.65	72	3	21	50	17	–13	3820	7940	1130
101.7	0 −0.4	3.15	86.5	3	27.2	54	20	–16	4710	10000	2220
133.7		4.15	116	3	36.3	54	20	–16	7350	16000	5140

Note) If a metal retainer is used, the Linear Bushing has the shape as shown below.
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.

Model LME-GA

Options⇒A4-113