

LINEAR BALL BUSHING

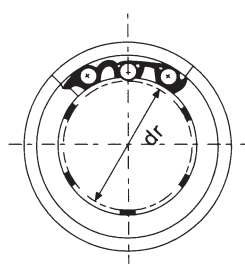
LM <Built-in Synthetics Resin Retainer>



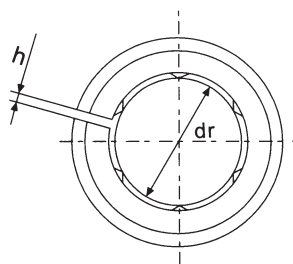
This type is a metric dimension series widely used in Japan and other countries

Nominal Part No.						Nominal Shaft Diameter (mm)	
Standard Type	Seal Type	Ball Circuit	Weight g	Adjustable Type	Open Type	dr	Tolerance
LM 4 LM 5	LM 4 UU LM 5 UU	4 4	1.4 4	— —	— —	4 5	$\begin{matrix} \text{—} \\ 0 \\ \text{—} \\ -0.008 \end{matrix}$
LM 6 LM 8S LM 8	LM 6 UU LM 8S UU LM 8 UU	4 4 4	8 11 16	LM 6-AJ LM 8S-AJ LM 8-AJ	— — —	6 8 8	$\begin{matrix} \text{—} \\ \text{—} \\ \text{—} \end{matrix}$
LM 10 LM 12 LM 13	LM 10 UU LM 12 UU LM 13 UU	4 4 4	30 31.5 43	LM 10-AJ LM 12-AJ LM 13-AJ	— LM 12-OP LM 13-OP	10 12 13	$\begin{matrix} 0 \\ -0.009 \end{matrix}$
LM 16 LM 20 LM 25	LM 16 UU LM 20 UU LM 25 UU	5 5 6	69 87 220	LM 16-AJ LM 20-AJ LM 25-AJ	LM 16-OP LM 20-OP LM 25-OP	16 20 25	$\begin{matrix} \text{—} \\ 0 \\ -0.010 \end{matrix}$
LM 30 LM 35	LM 30 UU LM 35 UU	6 6	250 390	LM 30-AJ LM 35-AJ	LM 30-OP LM 35-OP	30 35 38	$\begin{matrix} \text{—} \\ 0 \\ -0.012 \end{matrix}$
LM 40 LM 50 LM 60	LM 40 UU LM 50 UU LM 60 UU	6 6 6	585 1580 2000	LM 40-AJ LM 50-AJ LM 60-AJ	LM 40-OP LM 50-OP LM 60-OP	40 50 60	$\begin{matrix} \text{—} \\ 0 \\ -0.015 \end{matrix}$

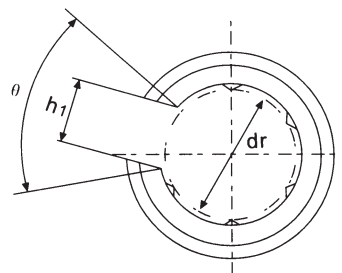
LINEAR BALL BUSHING



LM



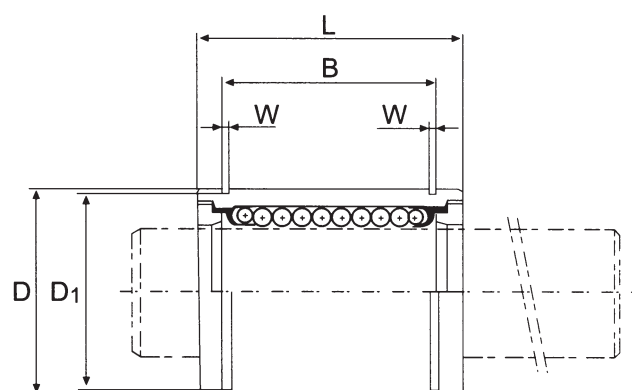
LM...AJ



LM...OP

Major Dimensions and Tolerance (mm)									Eccentricity (max) μm	Radial Clearance (max) μm	Basic Load C(N) Rating Co(N)		Nominal Part No.
D	L	B	W	D1	h	h1	□						
8 10	$\begin{matrix} 0 \\ -0.009 \end{matrix}$	$\begin{matrix} 0 \\ -0.009 \end{matrix}$	10.2	1.1	9.6	—	—	—	8	-3	167	206	LM 4 LM 5
12 15 15	$\begin{matrix} 0 \\ -0.011 \end{matrix}$	13.5 11.5 17.5	1.1 1.1 1.1	11.5 14.3 14.3	1 1 1	— — —	— — —	— — —	12 12 12	-5 -5 -5	200 170 260	260 220 400	LM 6 LM 8S LM 8
19 21 23	$\begin{matrix} 0 \\ -0.013 \end{matrix}$	22 23 23	1.3 1.3 1.3	1.8 20 22	1 1.5 1.5	8 8 9	80° 80° 80°	— — —	12 12 12	-5 -5 -7	370 410 500	540 590 770	LM 10 LM 12 LM 13
28 32 40	$\begin{matrix} 0 \\ -0.016 \end{matrix}$	26.5 30.5 41	1.6 1.6 1.85	27 30.5 38	1.5 1.5 2	11 11 12	80° 60° 50°	— — —	12 15 15	-7 -9 -9	770 860 980	1170 1370 1560	LM 16 LM 20 LM 25
45 52	$\begin{matrix} 0 \\ -0.019 \end{matrix}$	44.5 49.5	1.85 2.1	43 49	2.5 2.5	15 17	50° 50°	— —	15 20	-9 -13	1560 1660	2740 3130	LM 30 LM 35
60 80 90	$\begin{matrix} 0 \\ -0.022 \end{matrix}$	60.5 74 85	2.1 2.6 3.15	57 76.5 86.5	3 3 3	20 25 30	50° 50° 50°	— — —	20 20 25	-13 -13 -16	2150 3820 4700	4010 7930 9990	LM 40 LM 50 LM 60

SI Unit 1N≒0.102kgf



LINEAR BALL BUSHING

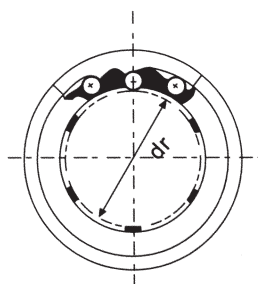
LM <Built-in Synthetics Resin Retainer>



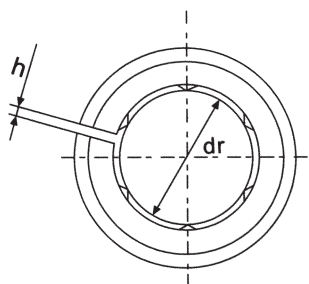
This type is a metric dimension series generally used in Europe

Nominal Part No.						Nominal Shaft Diameter (mm)	
Standard Type	Seal Type	Ball Circuit	Weight g	Adjustable Type	Open Type	dr	Tolerance
LME 5 LME 8 LME 12	LME 5UU LME 8UU LME 12UU	3 4 4	11 20 41	LME 5-AJ LME 8-AJ LME 12-AJ	LME 12-OP	5 8 12	$\begin{matrix} \boxed{+0.008} \\ 0 \end{matrix}$
LME 16 LME 20 LME 25	LME 16UU LME 20UU LME 25UU	5 5 6	65 91 215	LME 16-AJ LME 20-AJ LME 25-AJ	LME 16-AJ LME 20-AJ LME 25-AJ	16 20 25	$\begin{matrix} \boxed{+0.009} \\ \boxed{-0.001} \\ \boxed{+0.011} \end{matrix}$
LME 30 LME 40 LME 50	LME 30UU LME 40UU LME 50UU	6 6 6	325 705 1130	LME 30-AJ LME 40-AJ LME 50-AJ	LME 30-AJ LME 40-AJ LME 50-AJ	30 40 50	$\begin{matrix} \boxed{-0.001} \\ \boxed{+0.013} \\ \boxed{-0.002} \end{matrix}$
LME 60	LME 60UU	6	2220	LME 60-AJ	LME 60-AJ	60	$\boxed{\quad}$

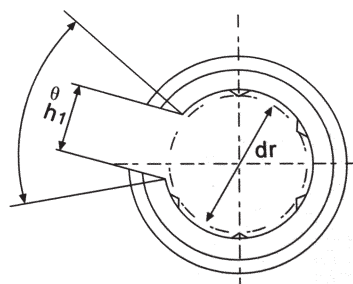
LINEAR BALL BUSHING



LME



LME . . . AJ



LME . . . OP

Major Dimensions and Tolerance (mm)								Eccentricity (max) μm	Radial Clearance (max) μm	Basic Load Rating C(N) Co(N)		Nominal Part No.
D	L	B	W	D1	h	h1	$\square$					
12	22	14.5	1.1	11.5	1			12	-5	200	260	LME 5 LME 8 LME 12
16	25	16.5	1.1	15.2	1			12	-5	260	400	
22	32	22.9	1.3	21	1.5	7.5	78°	12	-7	410	590	
19	36	24.9	1.3	24.9	1.5	10	78°	12	-7	770	1170	LME 16 LME 20 LME 25
21	45	31.5	1.6	30.5	2	10	60°	15	-9	860	1370	
23	58	44.1	1.85	38	2	12.5	60°	15	-9	980	1560	
28	68	52.1	1.85	44.5	2	12.5	50°	15	-9	1560	2740	LME 30 LME 40 LME 50
32	80	60.6	2.15	59	3	16.8	50°	17	-13	2150	4010	
40	100	77.6	2.65	72	3	21	50°	17	-13	3820	7930	
90	125	101.7	3.15	86.5	3	27.2	54°	20	-16	4700	9990	LME 60

SI Unit 1N $\approx$ 0.102kgf

