

LINEAR BALL BUSHING

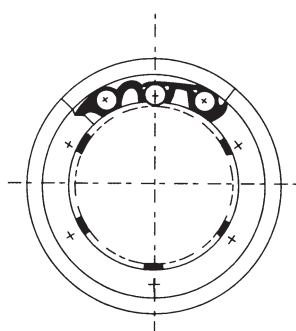
LM-L <Built-in Synthetics Resin Retainer>



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

Nominal Part No.				Major Dimensions and Tolerance (mm)		
Standard Type	Seal Type	Ball Circuit	Weight g	dr Tolerance	D Tolerance	L Tolerance
LM 6L LM 8L LM 10L	LM 6L UU LM 8L UU LM 10L UU	4 4 4	16 31 62	6 8 10 0	12 15 19 0 -0.013	35 45 55 0
LM 12L LM 13L LM 16L	LM 12L UU LM 13L UU LM 16L UU	4 4 5	80 90 145	12 13 16 -0.010	21 23 28 0 -0.016	57 61 70 -0.3
LM 20L LM 25L LM 30L	LM 20L UU LM 25L UU LM 30L UU	5 6 6	180 440 580	20 25 30 0 -0.012	32 40 45 0 -0.019	80 112 123
LM 35L LM 40L LM 50L	LM 35L UU LM 40L UU LM 50L UU	6 6 6	795 1,170 3,100	35 40 50 0 -0.015	52 60 80 0 -0.022	135 154 192 0 -0.4
LM 60L	LM 60L UU	6	3,500	60 0 -0.020	90 0 -0.025	211

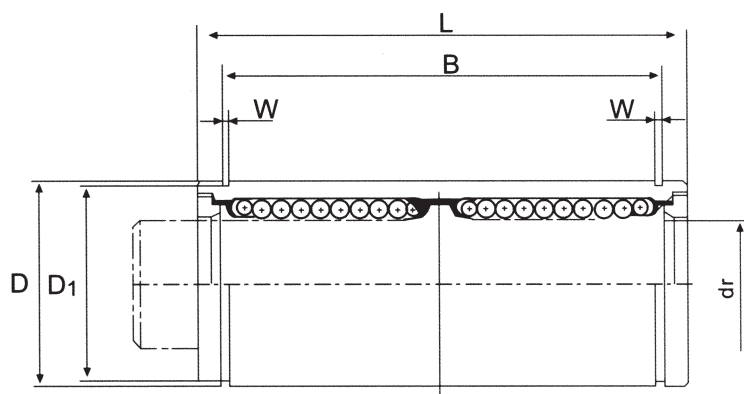
LINEAR BALL BUSHING



LM-L

Major Dimensions and Tolerance (mm)			Eccentricity μm		Basic Load Rating		Nominal Part No.
B Tolerance	W	D1			Dynamic C(N)	Static Co(N)	
27	1.1	11.5	15		323	530	LM 6L
35		14.3	15		431	784	LM 8L
44		18	15		588	1,100	LM 10L
46	1.3	20	15		657	1,200	LM 12L
46		22	15		813	1,570	LM 13L
53		27	15		1,230	2,350	LM 16L
61	1.6	30.5	20		1,400	2,750	LM 20L
82		38	20		1,560	3,140	LM 25L
89		43	20		2,490	5,490	LM 30L
99	2.1	49	25		2,650	6,270	LM 35L
121		57	25		3,430	8,040	LM 40L
148		76.5	25		6,080	15,900	LM 50L
170	3.15	86.5	25		7,650	20,000	LM 60L

SI Unit 1N $\approx$ 0.102kgf



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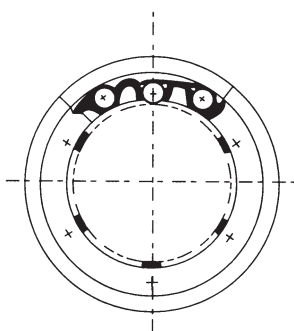
LME-L <Built-in Synthetics Resin Retainer>



This type is a metric dimension series generally used in Europe

Nominal Part No.				Major Dimensions and Tolerance (mm)	
Standard Type	Seal Type	Ball Circuit	Weight g	dr Tolerance	D Tolerance
LME 8L	LME 8L UU	4	40	8 $\begin{matrix} +0.009 \\ -0.001 \end{matrix}$	16 $\begin{matrix} 0 \\ -0.009 \end{matrix}$
LME 12L	LME 12L UU	4	80	12 $\begin{matrix} -0.001 \\ +0.011 \end{matrix}$	22 $\begin{matrix} 0 \\ -0.011 \end{matrix}$
LME 16L	LME 16L UU	4	115	16 $\begin{matrix} -0.001 \\ +0.013 \end{matrix}$	26 $\begin{matrix} 0 \\ -0.013 \end{matrix}$
LME 20L	LME 20L UU	5	180	20 $\begin{matrix} +0.013 \\ -0.002 \end{matrix}$	32 $\begin{matrix} 0 \\ -0.013 \end{matrix}$
LME 25L	LME 25L UU	6	430	25 $\begin{matrix} +0.016 \\ -0.004 \end{matrix}$	40 $\begin{matrix} 0 \\ -0.015 \end{matrix}$
LME 30L	LME 30L UU	6	615	30 $\begin{matrix} +0.016 \\ -0.004 \end{matrix}$	47 $\begin{matrix} 0 \\ -0.020 \end{matrix}$
LME 40L	LME 40L UU	6	1,400	40 $\begin{matrix} +0.016 \\ -0.004 \end{matrix}$	62 $\begin{matrix} 0 \\ -0.015 \end{matrix}$
LME 50L	LME 50L UU	6	2,320	50 $\begin{matrix} +0.016 \\ -0.004 \end{matrix}$	75 $\begin{matrix} 0 \\ -0.020 \end{matrix}$
LME 60L	LME 60L UU	6	3,920	60 $\begin{matrix} +0.016 \\ -0.004 \end{matrix}$	90 $\begin{matrix} 0 \\ -0.020 \end{matrix}$

LINEAR BALL BUSHING



LME-L

Major Dimensions and Tolerance (mm)				Eccentricity μm	Basic Load Rating		Nominal Part No.
L	B	W	D1		Dynamic C(N)	Static Co(N)	
Tolerance	Tolerance						
45	33	1.1	15.2	15	421	804	LME 8L
57	45.8	1.1	21	15	813	1,570	LME 12L
70	49.8	1.3	24.9	15	921	1,780	LME 16L
80	61	1.6	30.5	17	1,370	2,740	LME 20L
112	82	1.85	38	17	1,570	3,140	LME 25L
123	104.2	1.85	44.5	17	2,500	5,490	LME 30L
154	121.2	2.15	59	20	3,430	8,040	LME 40L
192	155.2	2.65	72	20	6,080	15,900	LME 50L
211	170	3.15	86.5	25	7,550	20,000	LME 60L

SI Unit 1N $\approx$ 0.102kgf

