

LINEAR BALL BUSHING

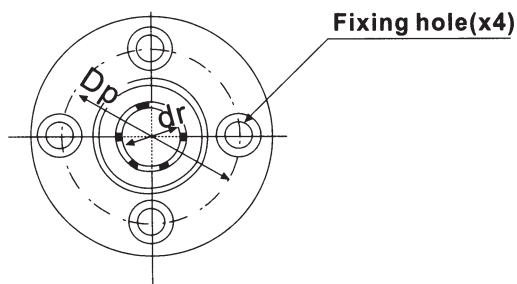
LMF <Built-in Synthetics Resin Retainer>



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
LMF 6	LMF 6 UU	4	24	6 $\overline{\hspace{1cm}}$	12 $\overline{\hspace{1cm}}_0$	19 $\overline{\hspace{1cm}}$
LMF 8S LMF 8 LMF 10	LMF 8S UU LMF 8 UU LMF 10 UU	4 4 4	32 37 72	8 8 10 $\overline{\hspace{1cm}}_{-0.009}^0$	15 15 19 $\overline{\hspace{1cm}}$ $\overline{\hspace{1cm}}_{-0.013}$	15 15 19
LMF 12 LMF 13 LMF 16	LMF 12 UU LMF 13 UU LMF 16 UU	4 4 5	76 88 120	12 13 16 $\overline{\hspace{1cm}}$	21 23 28 $\overline{\hspace{1cm}}$ $\overline{\hspace{1cm}}_{-0.016}^0$	21 23 28 ± 0.3
LMF 20 LMF 25 LMF 30	LMF 20 UU LMF 25 UU LMF 3 UU	5 6 6	180 340 470	20 25 30 $\overline{\hspace{1cm}}_{-0.010}^0$	32 40 45 $\overline{\hspace{1cm}}_{-0.019}^0$	32 40 45
LMF 35 LMF 40 LMF 50	LMF 35 UU LMF 40 UU LMF 50 UU	6 6 6	650 1,060 2,200	35 40 50 $\overline{\hspace{1cm}}_{-0.012}^0$	52 60 80 $\overline{\hspace{1cm}}_{-0.022}^0$	52 60 80
LMF 60	LMF 60 UU	6	3,000	60 $\overline{\hspace{1cm}}_{-0.015}^0$	90 $\overline{\hspace{1cm}}_{-0.025}^0$	90 $\overline{\hspace{1cm}}$

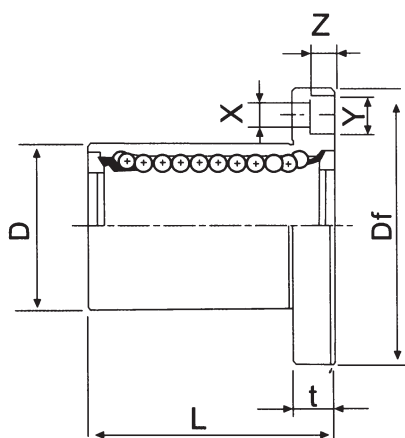
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LMF

Major Dimensions and Tolerance (mm)						Eccentricity μ m	Squareness μ m	Basic Load Rating		Nominal Part No.
Flange								Dynamic C(N)	Static Co(N)	
Df	t	Dp	X	Y	Z					
28	5	20	3.5	6	3.1	12	12	206	265	LMF 6
32	5	24	3.5	6	3.1	12	12	176	216	LMF 8S
32	5	24	3.5	6	3.1	12	12	274	392	LMF 8
40	6	29	4.5	7.5	4.1	12	12	372	549	LMF 10
42	6	32	4.5	7.5	4.1	12	12	510	784	LMF 12
43	6	33	4.5	7.5	4.1	12	12	510	784	LMF 13
48	6	38	4.5	7.5	4.1	12	12	774	1,180	LMF 16
54	8	43	5.5	9	5.1	15	15	882	1,370	LMF 20
62	8	51	5.5	9	5.1	15	15	980	1,570	LMF 25
74	10	60	6.6	11	6.1	15	15	1,570	2,740	LMF 30
82	10	67	6.6	11	6.1	20	20	1,670	3,140	LMF 35
96	13	78	9	14	8.1	20	20	2,160	4,020	LMF 40
116	13	98	9	14	8.1	20	20	3,820	7,940	LMF 50
134	18	112	11	17	11.1	25	25	4,700	10,000	LMF 60

SI Unit 1N $\approx$ 0.102kgf



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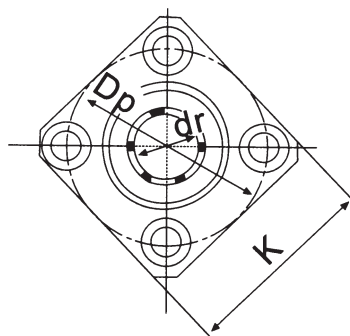
LMK <Built-in Synthetics Resin Retainer>



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
LMK 6	LMK 6 UU	4	24	6 $\overline{\quad\quad}$	12 $\overline{\quad\quad}_0$	19 $\overline{\quad\quad}$
LMK 8S LMK 8 LMK 10	LMK 8S UU LMK 8 UU LMK 10 UU	4 4 4	32 37 72	8 $\overline{\quad\quad}_0$ 8 $\overline{\quad\quad}_{-0.009}$ 10 $\overline{\quad\quad}$	15 $\overline{\quad\quad}_{-0.013}$ 15 $\overline{\quad\quad}$ 19 $\overline{\quad\quad}$	17 24 29
LMK 12 LMK 13 LMK 16	LMK 12 UU LMK 13 UU LMK 16 UU	4 4 5	76 88 120	12 13 $\overline{\quad\quad}$ 16 $\overline{\quad\quad}$	21 $\overline{\quad\quad}_0$ 23 $\overline{\quad\quad}_{-0.016}$ 28 $\overline{\quad\quad}$	30 32 37 ± 0.3
LMK 20 LMK 25 LMK 30	LMK 20 UU LMK 25 UU LMK 3 UU	5 6 6	180 340 470	20 $\overline{\quad\quad}_0$ 25 $\overline{\quad\quad}_{-0.010}$ 30 $\overline{\quad\quad}$	32 $\overline{\quad\quad}_0$ 40 $\overline{\quad\quad}_{-0.019}$ 45 $\overline{\quad\quad}$	42 59 64
LMK 35 LMK 40 LMK 50	LMK 35 UU LMK 40 UU LMK 50 UU	6 6 6	650 1,060 2,200	35 $\overline{\quad\quad}_0$ 40 $\overline{\quad\quad}_{-0.012}$ 50 $\overline{\quad\quad}$	52 $\overline{\quad\quad}_0$ 60 $\overline{\quad\quad}_{-0.022}$ 80 $\overline{\quad\quad}$	70 80 100
LMK 60	LMK 60 UU	6	3,000	60 $\overline{\quad\quad}_0$ $\overline{\quad\quad}_{-0.015}$	90 $\overline{\quad\quad}_0$ $\overline{\quad\quad}_{-0.025}$	100 $\overline{\quad\quad}$

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LMK

Major Dimensions and Tolerance (mm)							Eccentricity μ m	Squareness μ m	Basic Load Rating		Nominal Part No.
Flange									Dynamic C(N)	Static Co(N)	
Df	K	t	Dp	X	Y	Z					
28	22	5	20	3.5	6	3.1	12	12	206	265	LMK 6
32	25	5	24	3.5	6	3.1	12	12	176	216	LMK 8S
32	25	5	24	3.5	6	3.1	12	12	274	392	LMK 8
40	30	6	29	4.5	7.5	4.1	12	12	372	549	LMK 10
42	32	6	32	4.5	7.5	4.1	12	12	510	784	LMK 12
43	34	6	33	4.5	7.5	4.1	12	12	510	784	LMK 13
48	37	6	38	4.5	7.5	4.1	12	12	774	1,180	LMK 16
54	42	8	43	5.5	9	5.1	15	15	882	1,370	LMK 20
62	50	8	51	5.5	9	5.1	15	15	980	1,570	LMK 25
74	58	10	60	6.6	11	6.1	15	15	1,570	2,740	LMK 30
82	64	10	67	6.6	11	6.1	20	20	1,670	3,140	LMK 35
96	75	13	78	9	14	8.1	20	20	2,160	4,020	LMK 40
116	92	13	98	9	14	8.1	20	20	3,820	7,940	LMK 50
134	106	18	112	11	17	11.1	25	25	4,700	10,000	LMK 60

SI Unit 1N $\approx$ 0.102kgf

