

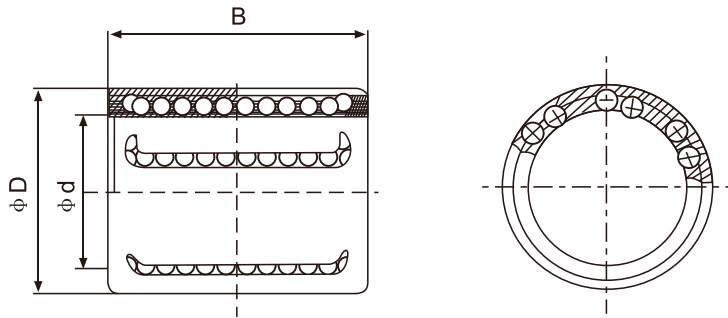


Linear Bushing - KH Series

2 Linear Motion Ball Bearing 2-1 KH Series



KH



Part No.	Main Dimensions			Basic Load Rating		Weight (g)
	ϕd	ϕD	B	$\frac{C}{N}$	$\frac{C_0}{N}$	
KH-0622	6	12	22	400	239	7
KH-0824	8	15	24	435	280	12
KH-1026	10	17	26	500	370	14.5
KH-1228	12	19	28	620	510	18.5
KH-1428	14	21	28	620	520	20.5
KH-1630	16	24	30	800	620	27.5
KH-2030	20	28	30	950	790	32.5
KH-2540	25	35	40	1990	1670	66
KH-3050	30	40	50	2800	2700	95
KH-4060	40	52	60	4400	4450	182
KH-5070	50	62	70	5500	6300	252

Type number format

KH: Pressing bush linear bearing

20: Shaft diameter

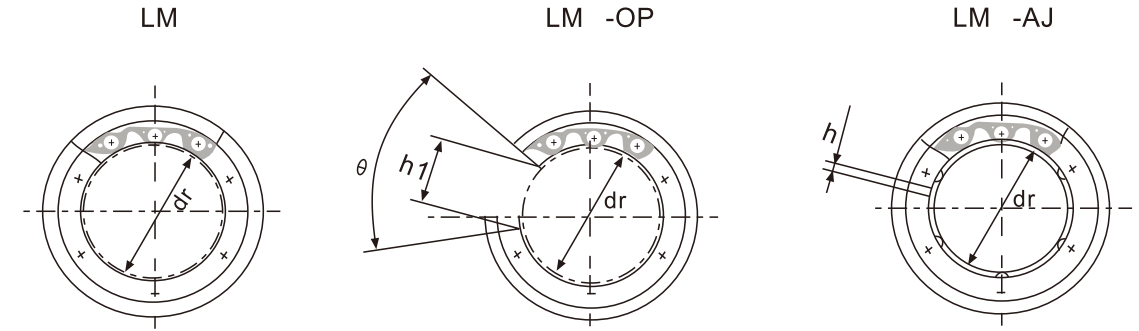
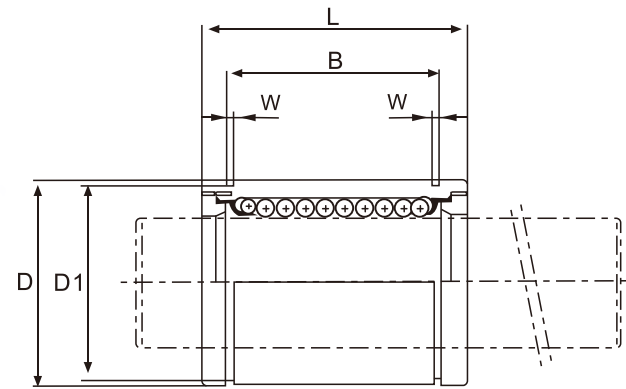
KH 20 30 PP

P: Seal one side
PP: Seal both sides

30: Length dimension



2-2 LM Series



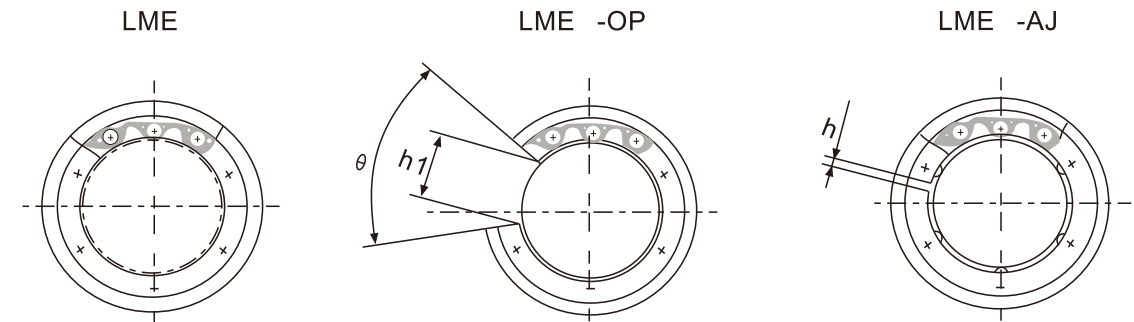
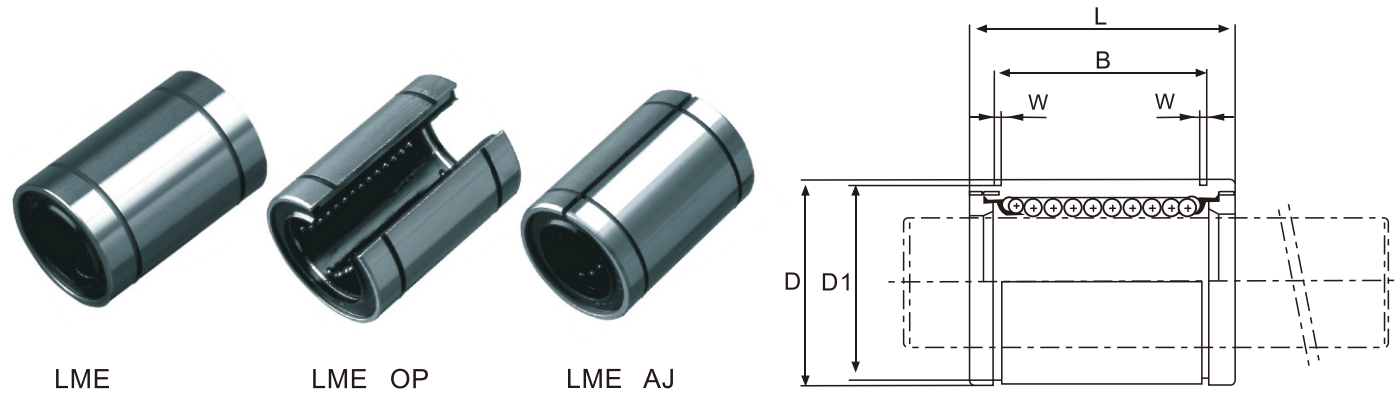
Part No.					Main Dimensions and Tolerance					
Seal Type	Ball Circuit	Open Type	Ball Circuit	Adjustable Type	Ball Circuit	dr (mm)	Tolerance (μm)	D (mm)	Tolerance (μm)	
LM4	4	-	-	-	-	4	0	8	0	
LM5UU	4	-	-	-	-	5	-8	10	-9	
LM6UU	4	-	-	LM6UUAJ	4	6	0	12	-11	
LM8SUU	4	-	-	LM8SUUAJ	4	8		15		
LM8UU	4	-	-	LM8UUAJ	4	8		15		
LM10UU	4	-	-	☆LM10UUAJ	4	10		19		
☆LM12UU	4	LM12UU-OP	3	☆LM12UUAJ	4	12	-9	21	0	
☆LM13UU	4	LM13UU-OP	3	LM13UUAJ	4	13		23		-13
☆LM16UU	5	LM16UU-OP	4	☆LM16UUAJ	5	16		28		
☆LM20UU	5	LM20UU-OP	4	☆LM20UUAJ	5	20	0	32	-10	
☆LM25UU	6	LM25UU-OP	5	☆LM25UUAJ	6	25		40		0
☆LM30UU	6	LM30UU-OP	5	☆LM30UUAJ	6	30	-10	45	-16	
LM35UU	6	LM35UU-OP	5	LM35UUAJ	6	35		52		0
☆LM40UU	6	LM40UU-OP	5	☆LM40UUAJ	6	40	0	60	-12	
LM50UU	6	LM50UU-OP	5	LM50UUAJ	6	50		80		0
LM60UU	6	LM60UU-OP	5	LM60UUAJ	6	60	0/-15	90	-22	

Note : ☆ means steel retainer is available.

Main Dimensions and Tolerance									Eccentricity (max) μm	Radial Clearance (max) μm	Basic Load Rating		Weight (g)	
L (mm)	Tolerance (μm)	B (mm)	Tolerance (μm)	W (mm)	D1 (mm)	h (mm)	h1 (mm)	θ			C N	Co N		
12	0	-	0	-	-	-	-	-	8	-3	88	127	2	
15		-120		10.2	1.1	9.6	-	-			-	167	206	4
19	0	13.5	0	1.1	11.5	1.0	-	-	12	-4	206	265	8.5	
17		11.5		1.1	14.3	1.0	-	-			176	216	11	
24		17.5		1.1	14.3	1.0	-	-			274	392	17	
29		22		1.3	18	1.0	-	-			372	549	36	
30		-200		23	1.3	20	1.5	8			80°	412	598	42
32		23		1.3	22	1.5	9	80°			510	784	49	
37	0	26.5	0	1.6	27	1.5	11	80°	15	-6	774	1180	76	
42		30.5		1.6	30.5	1.5	11	60°			882	1370	100	
59		41		1.85	38	2	12	50°			980	1570	240	
64		44.5		1.85	43	2.5	15	50°			1570	2740	270	
70	0	49.5	0	2.1	49	2.5	17	50°	20	-8	1670	3140	425	
80		60.5		2.1	57	3	20	50°			2160	4020	654	
100		74		2.6	76.5	3	25	50°			3820	7940	1700	
110	85	3.15	86.5	3	30	50°	25	-13	4700	10000	2000			



2-2 LME Series



Part No.					Main Dimensions and Tolerance			
Seal Type	Ball Circuit	Open Type	Ball Circuit	Adjustable Type	Ball Circuit	dr (mm)	Tolerance (μm)	D (mm)
LME5UU	4	-	-	LME5UUAJ	4	5	+8 0	12
LME8UU	4	-	-	LME8UUAJ	4	8		16
☆ LME12UU	4	LME12UU-OP	3	☆ LME12UUAJ	4	12	+9 -1	22
☆ LME16UU	5	LME16UU-OP	4	☆ LME16UUAJ	5	16		26
☆ LME20UU	5	LME20UU-OP	4	☆ LME20UUAJ	5	20	+11 -1	32
☆ LME25UU	6	LME25UU-OP	5	☆ LME25UUAJ	6	25		40
☆ LME30UU	6	LME30UU-OP	5	☆ LME30UUAJ	6	30	+13 -2	47
☆ LME40UU	6	LME40UU-OP	5	☆ LME40UUAJ	6	40		62
LME50UU	6	LME50UU-OP	5	LME50UUAJ	6	50	+13 -2	75
LME60UU	6	LME60UU-OP	5	LME60UUAJ	6	60		90

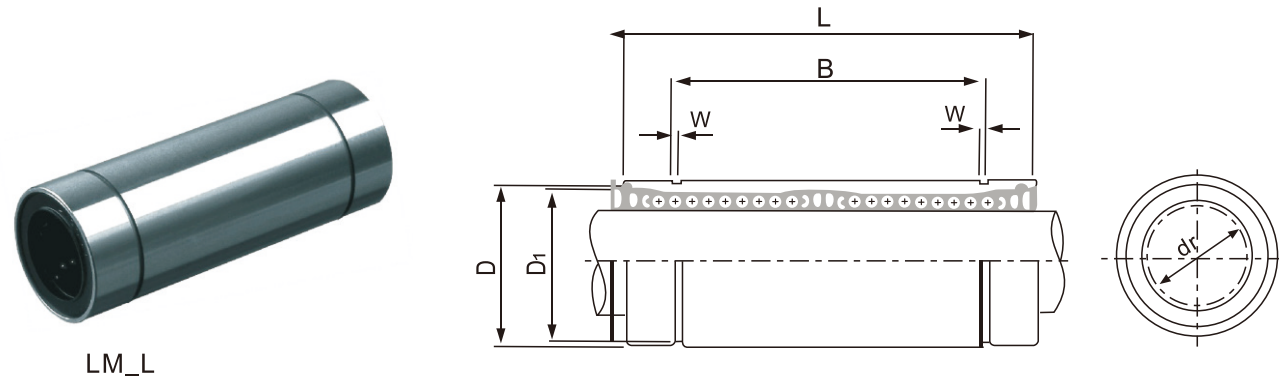
Note : ☆ means steel retainer is available.

Main Dimensions and Tolerance										Eccentricity (max) μm	Radial Clearance (max) μm	Basic Load Rating		Weight (g)
Tolerance (μm)	L (mm)	Tolerance (μm)	B (mm)	Tolerance (μm)	W (mm)	D1 (mm)	h (mm)	h1 (mm)	θ			C N	Co N	
0 -8	22	0 -200	14.5	0 -300	1.1	11.5	1	-	-	12	-3	206	265	11
	25		16.5		1.1	15.2	1	-	-			265	402	22
0 -9	32		22.9		1.3	21	1.5	7.5	78°		-4	510	784	45
	36		24.9		1.3	24.9	1.5	10	78°			775	1180	60
0 -11	45	0 -300	31.5	0 -400	1.6	30.3	2	10	60°	15	-6	862	1370	102
	58		44.1		1.85	37.5	2	12.5	60°			980	1570	235
0 -13	68		52.1		1.85	44.5	2	12.5	50°		-8	1570	2740	360
	80		60.6		2.15	59	3	16.8	50°			2160	4020	770
0/-15	100	77.6	2.65	72	3	21	50°	-13	3820	7940	1250			
0/-15	125	(0/-400)	101.7	3.15	86.5	3	27.2		54°	4700	9800	2220		

Linear Bushing - LM_L Series



2-3 LML Series



LM_L

Linear Guideways

Ball Screw

Support

Linear Bushing

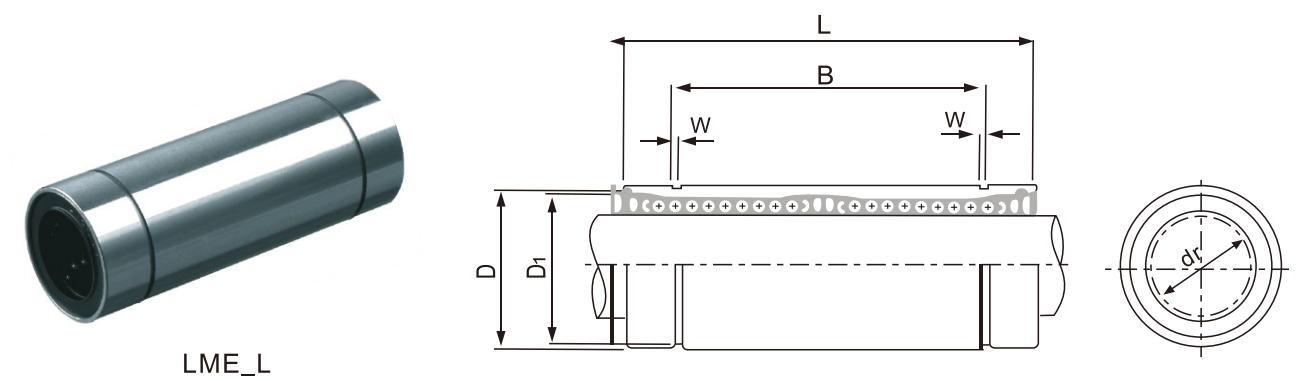
Part No.		Main Dimensions and Tolerance										Basic Load Rating		Eccentricity	Weight (g)							
Seal Type	Ball Circuit	dr (mm)	Tolerance (μm)	D (mm)	Tolerance (μm)	L (mm)	Tolerance (μm)	B (mm)	Tolerance (μm)	W (mm)	D1 (mm)	C N	Co N									
	LM6LUU	4	6	0 -10	12	0 -13	35	0 -300	0 -400	27	1.1	11.5	323	530	15	16						
	LM8LUU	4	8		15		45										35	1.1	14.3	431	784	31
☆	LM10LUU	4	10		19		55										44	1.3	18	588	1100	62
☆	LM12LUU	4	12		21		57										46	1.3	20	813	1570	80
	LM13LUU	4	13		23		61										46	1.3	22	813	1570	90
☆	LM16LUU	5	16		28		70										53	1.6	27	1230	2350	145
☆	LM20LUU	5	20	32	80	61	1.6	30.5	1400	2740	180											
☆	LM25LUU	6	25	0 -12	40	0 -19	112	0 -400	0 -500	82	1.85	38	1560	3140	20	440						
☆	LM30LUU	6	30	45	123	89	1.85										43	2490	5490	580		
☆	LM35LUU	6	35	52	135	99	2.1										49	2650	6270	795		
☆	LM40LUU	6	40	0 -15	60	0 -22	151										121	3430	8040	25	1170	
	LM50LUU	6	50	80	192	148	2.6										76.5	6080	15900	3100		
	LM60LUU	6	60	0/-20	90	0/-25	209										170	3.15	86.5	7550	20000	30

Note : ☆ means steel retainer is available.

Linear Bushing - LM_L Series



2-4 LME_L Series



LME_L

Linear Guideways

Ball Screw

Support

Linear Bushing

Part No.		Main Dimensions and Tolerance										Eccentricity	Basic Load Rating		Weight (g)							
Seal Type	Ball Circuit	dr (mm)	Tolerance (μm)	D (mm)	Tolerance (μm)	L (mm)	Tolerance (μm)	B (mm)	Tolerance (μm)	W (mm)	D1 (mm)		C N	Co N								
	LME8LUU	4	8	+9 -1	16	0/-9	46	0 -300	33	1.1	15.2	15	421	804	40							
☆	LME12LUU	4	12		22	61	45.8									21	813	1570	80			
☆	LME16LUU	5	16	+11 -1	26	-11	68	0 -400	49.8	1.3	24.9	17	921	1780	115							
☆	LME20LUU	5	20	32	80	61	1.6									30.5	1370	2740	180			
☆	LME25LUU	6	25	+13 -2	40	-13	112	0 -400	82	1.85	38	20	1570	3140	430							
☆	LME30LUU	6	30	47	123	104.2	1.85									44.5	2500	5490	615			
☆	LME40LUU	6	40	62	151	121.2	2.15									59	3430	8040	1400			
	LME50LUU	6	50	+16 -4	75	-15	192									155.2	2.65	72	20	6080	15900	2320
	LME60LUU	6	60	90	209	170	3.15									86.5	7550	20000	3900			

Note : ☆ means steel retainer is available.