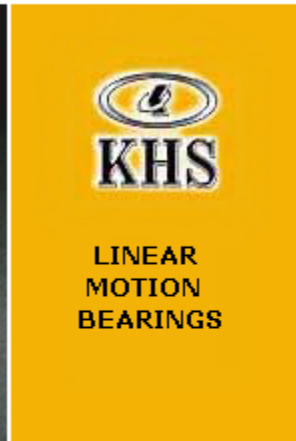
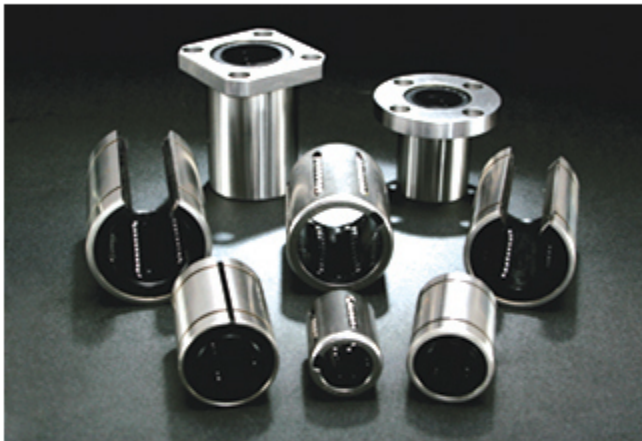




LINEAR MOTION BEARINGS

선형 운동 방위



Linear ball bearings are high precision linear bearings which offer unlimited backward and forward linear movement with minimum frictional resistance during which the balls are constantly returned to the loaded zone in closed circuits .The bearings enable accurate linear guides to be constructed simply and economically .The requisite linear ball bearing for given linear guidance application is selected on the basis of its load carrying capacity in relation to the load being applied and the requirements in terms of operational life and reliability.

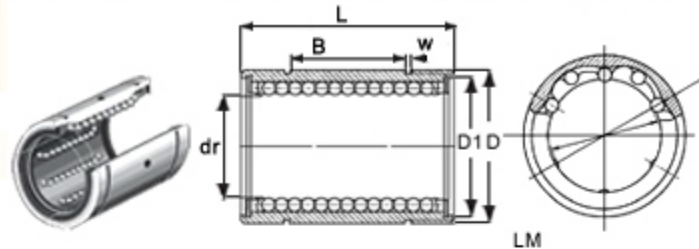
선형 공 투관은 작전 생활 및 신뢰도의 점에서 무제한 뒤를 제안하는 공이 달하는 회로방위안에 적재된 지역에 일정하게 돌려보내고 최소한도 쏠림 저항에 앞으로 선형 운동이 정확한 선형 가이드를 준 선형 지도 신청을 위해 필요한 선형 볼베어링이 적용되는 짐에 관하여 그것의 짐 수용력을 기초로 하여 선정되는 간단하게 그리고 경제적으로 건설하는 가능하게 하는 높은 정밀도 선형 방위 그리고 필요조건 이다.

- LM
- LM..AJ
- LM..OP
- LME
- LME..AJ
- LME..OP
- LMF
- LMK
- LMEF
- LMEK
- KH



LINEAR MOTION BEARINGS
Metric Dimensions

LM Series



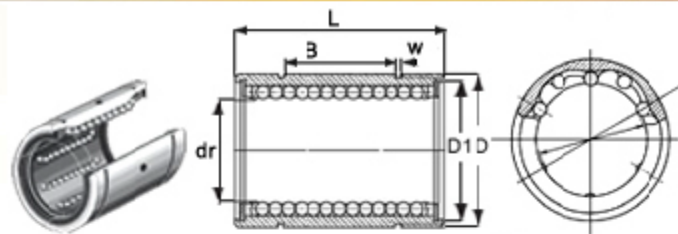
Dimension Table of LM Series

Designation	Weight (g)	dr		D		L		B		w	D1	Eccentricity μm	Radical Clearance (Max) μm	Basic Dynamic Load Rating C (Kgf)	Basic Static Load Rating CO (Kgf)
		mm	Tolerance μm	mm	Tolerance μm	mm	Tolerance μm	mm	Tolerance μm						
LM 3	1.35	3		7		10		-		-	-			7	10.7
LM 4	1.9	4	0	8	0	12	0	-		-	-	8		9	13
LM 5	4	5	-8	10	-9	15	-120	10.2		1.1	9.6			17	21
LM 5UU	4	5		10		15		10.2		1.1	9.6			17	21
LM 6	7.6	6		12		19		13.5		1.1	11.5			21	27
LM 6UU	7.6	6		12		19		13.5		1.1	11.5		-3	21	27
LM 8S	10.4	8		15	0	17		11.5		1.1	14.3			18	22
LM 8SUU	10.4	8		15	-11	17		11.5		1.1	14.3			18	22
LM 8	15	8		15		24		17.5		1.1	14.3			28	40
LM 8UU	15	8	3	15		24		17.5	0	1.1	14.3			28	40
LM 10	29.5	10	-9	19		29	0	22	-200	1.3	18	12		38	56
LM 10UU	29.5	10		19		29	-200	22		1.3	18			38	56
LM 12	31.5	12		21	3	30		23		1.3	20			42	61
LM 12UU	31.5	12		21	-13	30		23		1.3	20		-4	42	61
LM 13	43	13		23		32		23		1.3	22			52	80
LM 13UU	43	13		23		32		23		1.3	22			52	80
LM 16	69	16		28		37		26.5		1.6	27			79	120
LM 16UU	69	16		28		37		26.5		1.6	27			79	120
LM 20	87	20		32		42		30.5		1.6	30.5			90	140
LM 20UU	87	20	0	32	0	42		30.5		1.6	30.5		-6	90	140
LM 25	220	25	-10	40	-16	59		41		1.85	38	15		100	160
LM 25UU	220	25		40		59		41		1.85	38			100	160
LM 30	250	30		45		64		44.5		1.85	43			160	280
LM 30UU	250	30		45		64		44.5		1.85	43			160	280
LM 35	390	35		52		70		49.5		2.1	49			170	320
LM 35UU	390	35		52		70		49.5		2.1	49		-8	170	320
LM 40	585	40		60		80		60.5		2.1	57			220	410



LINEAR MOTION BEARINGS
Metric Dimensions

LM Series



Dimension Table of LM Series

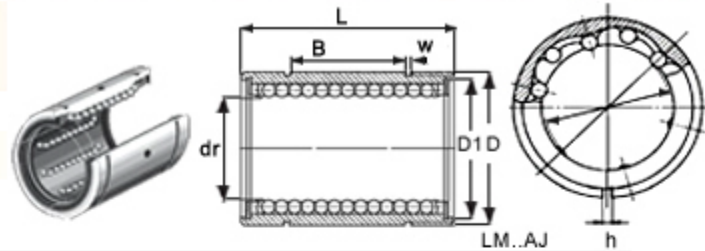
Designation	Weight (g)	Main dimensions and tolerance										Eccentricity μm	Radical Clearance (Max) μm	Basic Dynamic Load Rating C (Kgf)	Basic Static Load Rating CO (Kgf)
		mm	dr	mm	D	mm	L	mm	B	mm	w				
LM 40UU	585	40	0	60	0	80	0	60.5	0	2.1	57	20	-10	220	410
LM 50	1,580	50	-12	80	-19	100	-300	74	-300	2.6	76.5		-13	390	810
LM 50UU	1,580	50	0	80	0	100	-300	74	-300	2.6	76.5	25	-13	390	810
LM 60	1,860	60	0	90	0	110	-300	85	-300	3.15	86.5		-20	480	1020
LM 60UU	1,860	60	-15	90	-22	110	-300	85	-300	3.15	86.5	25	-20	480	1020
LM 80	4,420	80	0	120	0	140	-400	105.5	-400	4.15	116		-20	750	1630
LM 80UU	4,420	80	0	120	0	140	-400	105.5	-400	4.15	116	-20	750	1630	





LINEAR MOTION BEARINGS
Metric Dimensions

LM..AJ Series



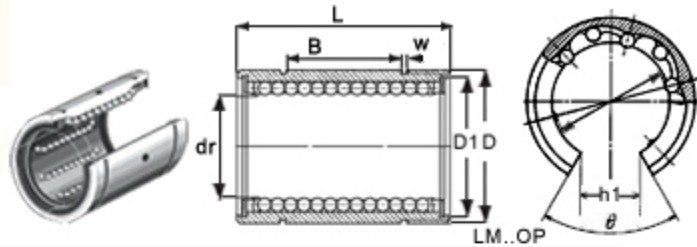
Dimension Table of LM..AJ Series

Designation	Weight (g)	Main dimensions and tolerance										Eccentricity μm	Radical Clearance (Max) μm	Basic Dynamic Load Rating C (Kgf)	Basic Static Load Rating C0 (Kgf)	
		mm	dr	mm	D	mm	L	mm	B	mm	w					D1
LM 6AJ	7.5	6		12		19		13.5		1.1	11.5	1			21	27
LM 6UU-AJ	7.5	6		12		19		13.5		1.1	11.5	1			21	27
LM 8SAJ	10	8		15	0	17		11.5		1.1	14.3	1			18	22
LM 8SUU-AJ	10	8		15	-11	17		11.5		1.1	14.3	1			18	22
LM 8AJ	14.7	8		15		24		17.5		1.1	14.3	1			28	40
LM 8UU-AJ	14.7	8		15		24		17.5		1.1	14.3	1			28	40
LM 10AJ	29	10	0	19		29	0	22	0	1.3	18	1	12		38	56
LM 10UU-AJ	29	10	-9	19		29	-200	22	-200	1.3	18	1			38	56
LM 12AJ	31	12		21	0	30		23		1.3	20	1.5			42	61
LM 12UU-AJ	31	12		21	-13	30		23		1.3	20	1.5			42	61
LM 13AJ	42	13		23		32		23		1.3	22	1.5			52	80
LM 13UU-AJ	42	13		23		32		23		1.3	22	1.5			52	80
LM 16AJ	68	16		28		37		26.5		1.6	27	1.5			79	120
LM 16UU-AJ	68	16		28		37		26.5		1.6	27	1.5			79	120
LM 20AJ	85	20		32	0	42		30.5		1.6	30.5	1.5			90	140
LM 20UU-AJ	85	20		32	-16	42		30.5		1.6	30.5	1.5			90	140
LM 25AJ	216	25	0	40		59		41		1.85	38	2	15		100	160
LM 25UU-AJ	216	25	-10	40		59		41		1.85	38	2			100	160
LM 30AJ	245	30		45		64		44.5		1.85	43	2.5			160	280
LM 30UU-AJ	245	30		45		64		44.5		1.85	43	2.5			160	280
LM 35AJ	384	35		52	0	70	0	49.5	0	2.1	49	2.5			170	320
LM 35UU-AJ	384	35		52	-19	70	-300	49.5	-300	2.1	49	2.5			170	320
LM 40AJ	579	40	0	60		80		60.5		2.1	57	3	20		220	410
LM 40UU-AJ	579	40	-12	60		80		60.5		2.1	57	3			220	410
LM 50AJ	1,560	50		80		100		74		2.6	76.5	3			390	810
LM 50UU-AJ	1,560	50		80		100		74		2.6	76.5	3			390	810
LM 60AJ	1,820	60		90		110		85		3.15	86.5	3			480	1020
LM 60UU-AJ	1,820	60	0	90	0	110		85		3.15	86.5	3			480	1020
LM 80AJ	4,300	80	-15	120	-22	140	0	105.5	0	4.15	116	3	25		750	1630
LM 80UU-AJ	4,300	80		120		140	-400	105.5	-400	4.15	116	3			750	1630



LINEAR MOTION BEARINGS
Metric Dimensions

LM..OP Series



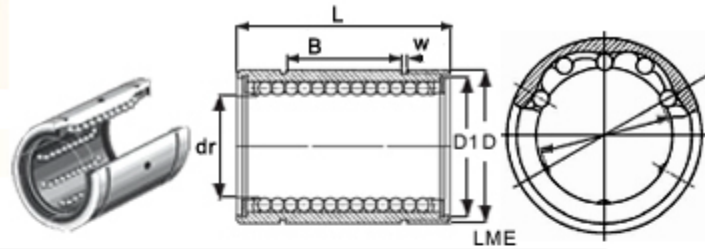
Dimension Table of LM..OP Series

Designation	Weight (g)	Main dimensions and tolerance											Eccentricity μm	Radical Clearance (Max) μm	Basic Dynamic Load Rating C (Kgf)	Basic Static Load Rating C0 (Kgf)	
		mm	dr Tolerance μm	D mm	D Tolerance μm	L mm	L Tolerance μm	B mm	B Tolerance μm	w mm	D1 mm	h1 mm					θ°
LM 100P	23	10		19		29		22		1.3	18	6.8	80°	12	-4	38	56
LM 10UU-OP	23	10		19		29		22		1.3	18	6.8	80°			38	56
LM 120P	25	12		21		30		23		1.3	20	8	80°	12	-4	42	61
LM 12UU-OP	25	12	0	21	0	30		23		1.3	20	8	80°			42	61
LM 130P	34	13		23		32	0	23	0	1.3	22	9	80°	12	-4	52	80
LM 13UU-OP	34	13		23		32	-200	23	-200	1.3	22	9	80°			52	80
LM 160P	52	16		28		37		26.5		1.6	27	11	80°	12	-4	79	120
LM 16UU-OP	52	16		28		37		26.5		1.6	27	11	80°			79	120
LM 200P	69	20		32		42		30.5		1.6	30.5	11	60°	15	-6	90	140
LM 20UU-OP	69	20		32		42		30.5		1.6	30.5	11	60°			90	140
LM 250P	188	25	0	40	0	59		41		1.85	38	12	50°	15	-6	100	160
LM 25UU-OP	188	25	-10	40	-16	59		41		1.85	38	12	50°			100	160
LM 300P	210	30		45		64		44.5		1.85	43	15	50°	15	-6	160	280
LM 30UU-OP	210	30		45		64		44.5		1.85	43	15	50°			160	280
LM 350P	335	35		52		70		49.5		2.1	49	17	50°	20	-8	170	320
LM 35UU-OP	335	35		52		70		49.5		2.1	49	17	50°			170	320
LM 400P	500	40	0	60	0	80	0	60.5	0	2.1	57	20	50°	20	-10	220	410
LM 40UU-OP	500	40	-12	60	-19	80	-300	60.5	-300	2.1	57	20	50°			220	410
LM 500P	1340	50		80		100		74		2.6	76.5	25	50°	25	-13	390	810
LM 50UU-OP	1340	50		80		100		74		2.6	76.5	25	50°			390	810
LM 600P	1610	60		90		110		85		3.15	86.5	30	50°	25	-13	480	1020
LM 60UU-OP	1610	60		90		110		85		3.15	86.5	30	50°			480	1020
LM 800P	3650	80	0	120	0	140	0	105.5	0	4.15	116	40	50°	25	-20	750	1630
LM 80UU-OP	3650	80	-15	120	-22	140	-400	105.5	-400	4.15	116	40	50°			750	1630



LINEAR MOTION BEARINGS
Metric Dimensions

LME Series



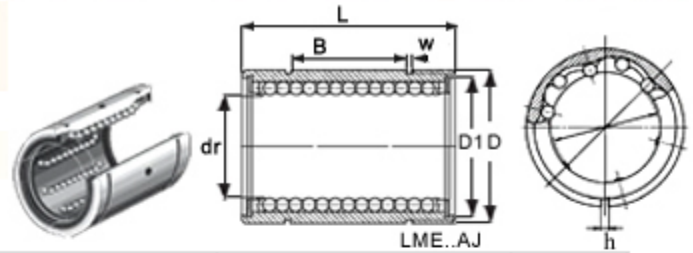
Dimension Table of LME Series

Designation	Weight (g)	mm	Main dimensions and tolerance									Eccentricity μm	Radical Clearance (Max) μm	Basic Dynamic Load Rating C (Kgf)	Basic Static Load Rating CO (Kgf)
			dr	D	L	B	w	D1	Tolerance μm	Tolerance μm	Tolerance μm				
LME 5	11	5		12	22	14.5	1.1	11.5						21	27
LME 5UU	11	5		12	22	14.5	1.1	11.5					-3	21	27
LME 8	20	8	+8	16	25	16.5	1.1	15.2						27	41
LME 8UU	20	8	0	16	25	16.5	1.1	15.2						27	41
LME 12	41	12		22	32	22.9	1.3	21						52	79
LME 12UU	41	12		22	32	22.9	1.3	21	0	-220				52	79
LME 16	57	16		26	36	24.9	1.3	24.9						59	91
LME 16UU	57	16		26	36	24.9	1.3	24.9					-4	59	91
LME 20	91	20	+9	32	45	31.5	1.6	30.3						88	140
LME 20UU	91	20	-1	32	45	31.5	1.6	30.3						88	140
LME 25	215	25		40	58	44.1	1.85	37.5						100	160
LME 25UU	215	25		40	58	44.1	1.85	37.5						100	160
LME 30	325	30	+11	47	68	52.1	1.85	44.5						160	280
LME 30UU	325	30	-1	47	68	52.1	1.85	44.5	0	-300				160	280
LME 40	705	40		62	80	60.6	2.12	59						220	410
LME 40UU	705	40		62	80	60.6	2.12	59						220	410
LME 50	1130	50	+13	75	100	77.6	2.65	72						390	810
LME 50UU	1130	50	-2	75	100	77.6	2.65	72						390	810
LME 60	2050	60		90	125	101.7	3.15	86.5						480	1000
LME 60UU	2050	60		90	125	101.7	3.15	86.5	0	-400				480	1000



LINEAR MOTION BEARINGS
Metric Dimensions

LME..AJ Series



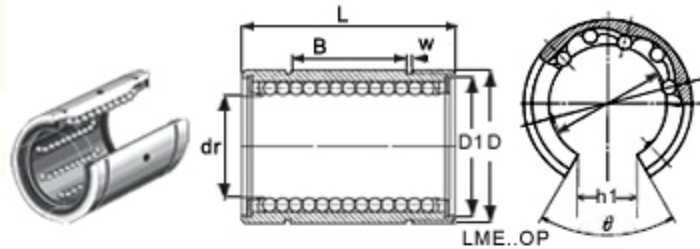
Dimension Table of LME..AJ Series

Designation	Weight (g)	mm	Main dimensions and tolerance										Eccentricity μm	Radical Clearance (Max) μm	Basic Dynamic Load Rating C (Kgf)	Basic Static Load Rating C0 (Kgf)	
			dr	D		L		B		W	D1	h					
			Tolerance μm	mm	Tolerance μm	mm	Tolerance μm	mm	Tolerance μm	mm	Tolerance μm	mm	mm	mm			
LME 5AJ	10	5		12		22		14.5		1.1	11.5	1			21	27	
LME 5UU-AJ	10	5		12	0	22		14.5		1.1	11.5	1		-3	21	27	
LME 8AJ	19.5	8	+8	16	-8	25		16.5		1.1	15.2	1			27	41	
LME 8UU-AJ	19.5	8	0	16		25	0	16.5	0	1.1	15.2	1	12		27	41	
LME 12 AJ	40	12		22		32	-220	22.9	-220	1.3	21	1.5			52	79	
LME 12UU-AJ	40	12		22	0	32		22.9		1.3	21	1.5		-4	52	79	
LME 16AJ	56	16		26	-9	36		24.9		1.3	24.9	1.5			59	91	
LME 16UU-AJ	56	16	+9	26		36		24.9		1.3	24.9	1.5			59	91	
LME 20AJ	90	20	-1	32		45		31.5		1.6	30.3	2			88	140	
LME 20UU-AJ	90	20		32		45		31.5		1.6	30.3	2		-6	88	140	
LME 25AJ	212	25		40	0	58		44.1		1.85	37.5	2	15		100	160	
LME 25UU-AJ	212	25	+11	40	-11	58		44.1		1.85	37.5	2			100	160	
LME 30AJ	320	30	-1	47		68	0	52.1	0	1.85	44.5	2			160	280	
LME 30UU-AJ	320	30		47		68	-300	52.1	-300	1.85	44.5	2		-8	160	280	
LME 40AJ	694	40		62		80		60.6		2.12	59	3			220	410	
LME 40UU-AJ	694	40		62	0	80		60.6		2.12	59	3	17		220	410	
LME 50AJ	1110	50	+13	75	-13	100		77.6		2.65	72	3			390	810	
LME 50UU-AJ	1110	50	-2	75		100		77.6		2.65	72	3		-13	390	810	
LME 60AJ	2000	60		90	0	125	0	101.7	0	3.15	86.5	3			480	1000	
LME 60UU-AJ	2000	60		90	-13	125	-400	101.7	-400	3.15	86.5	3	20		480	1000	



LINEAR MOTION BEARINGS
Metric Dimensions

LME..OP Series



Dimension Table of LME..OP Series

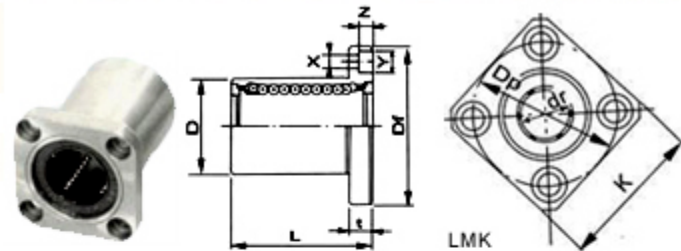
Designation	Weight (g)	Main dimensions and tolerance											Eccentricity μm	Radical Clearance (Max) μm	Basic Dynamic Load Rating C (Kgf)	Basic Static Load Rating CO (Kgf)	
		mm	dr	D		L		B		W	D1	h					θ
		mm	Tolerance μm	mm	Tolerance μm	mm	Tolerance μm	mm	Tolerance μm	mm	mm	mm	°				
LME 12OP	32	12		22		32		22.9		1.3	21	7.5	78°			52	79
LME 12UU-OP	32	12		22	+0	32		22.9		1.3	21	7.5	78°			52	79
LME 16OP	44	16	+9	26	-9	36	0	24.9	0	1.3	24.9	10	78°	12	-4	59	91
LME 16UU-OP	44	16	-1	26		36	-220	24.9	-220	1.3	24.9	10	78°			59	91
LME 20OP	75	20		32		45		31.5		1.6	30.3	10	60°			88	140
LME 20UU-OP	75	20		32		45		31.5		1.6	30.3	10	60°			88	140
LME 25OP	181	25		40	0	58		44.1		1.85	37.5	12.5	60°	15	-6	100	160
LME 25UU-OP	181	25	+11	40	-11	58		44.1		1.85	37.5	12.5	60°			100	160
LME 30OP	272	30	-1	47		68	0	52.1	0	1.85	44.5	12.5	50°			160	280
LME 30UU-OP	272	30		47		68	-300	52.1	-300	1.85	44.5	12.5	50°			160	280
LME 40OP	600	40		62		80		60.6		2.12	59	16.8	50°			220	410
LME 40UU-OP	600	40		62	0	80		60.6		2.12	59	16.8	50°			220	410
LME 50OP	970	50	+13	75	-13	100		77.6		2.65	72	21	50°	17	-8	390	810
LME 50UU-OP	970	50	-2	75		100		77.6		2.65	72	21	50°			390	810
LME 60OP	1580	60		90	0	125	0	101.7	0	3.15	86.5	27.2	54°	20	-13	480	1000
LME 60UU-OP	1580	60		90	-13	125	-400	101.7	-400	3.15	86.5	27.2	54°			480	1000





LINEAR MOTION BEARINGS
Metric Dimensions

LMK Series

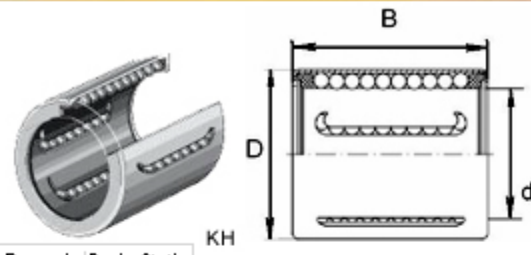


Dimension Table of LMK Series

Designation	Weight (g)	mm	Main dimensions and tolerance													Basic Dynamic Load Rating C (Kgf)	Basic Static Load Rating CO (Kgf)	
			dr	D		L		Df	K	t	Dp	x	y	z	Eccentricity			Squareness
			Tolerance μm	mm	Tolerance μm	mm	Tolerance μm	mm	mm	mm	mm	mm	mm	mm	μm	μm		
LMK 6UU	26.5	6	0 -9	12	0 -11	19	0 -200	28	22	5	20	3.5	6	3.1	12	12	21	27
LMK 8SUU	34	8		15		17		32	25	5	24	3.5	6	3.1			18	22
LMK 8UU	40	8		15		24		32	25	5	24	3.5	6	3.1			28	40
LMK 10UU	78	10		19		29		40	30	6	29	4.5	7.5	4.1			38	56
LMK 12UU	86	12	0 -10	21	0 -19	30	0 -300	42	32	6	32	4.5	7.5	4.1	15	15	52	61
LMK 13UU	94	13		23		32		43	34	6	33	4.5	7.5	4.1			52	80
LMK 16UU	134	16		28		37		48	37	6	38	4.5	7.5	4.1			79	120
LMK 20UU	180	20		32		42		54	42	8	43	5.5	9	5.1			90	140
LMK 25UU	340	25	0 -12	40	0 -22	59	0 -400	62	50	8	51	5.5	9	5.1	20	20	100	160
LMK 30UU	460	30		45		64		74	58	10	60	6.6	11	6.1			160	280
LMK 35UU	795	35		52		70		82	64	10	67	6.6	11	6.1			170	320
LMK 40UU	1054	40		60		80		96	75	13	78	9	14	8.1			220	410
LMK 50UU	2200	50	0 -15	80	0 -25	100	0 -400	116	92	13	98	9	14	8.1	25	25	390	810
LMK 60UU	2960	60		90		110		134	106	18	112	11	17	11			480	1020
LMK 80UU	5800	80		120		140		164	136	18	142	11	17	11			750	1630
LMK 100UU	10600	100		150		175		200	170	20	175	14	20	13			1440	3550



LINEAR MOTION BEARINGS
Metric Dimensions



Dimension Table of KH Series

Designation	Weight (g)	Designation	Weight (g)	Dimensions (mm)			Basic Dynamic Load Rating C(kgf)	Basic Static Load Rating C0(kgf)
				d	D	B		
KH 0622	7	KH 0622PP	7	6	12	22	9	24
KH 0824	12	KH 0824PP	12	8	15	24	11	28
KH 1026	14	KH 1026PP	14.5	10	17	26	14	37
KH 1228	18	KH 1228PP	18.5	12	19	28	18	51
KH 1428	20.5	KH 1428PP	21	14	21	28	19	52
KH 1630	27	KH 1630PP	27.5	16	24	30	24	62
KH 2030	32.5	KH 2030PP	33	20	28	30	28	79
KH 2540	61.5	KH 2540PP	63	25	35	40	65	167
KH 3050	90	KH 3050PP	92	30	40	50	100	270
KH 4060	182	KH 4060PP	184	40	52	60	170	445
KH 5070	250	KH 5070PP	255	50	62	70	235	630

