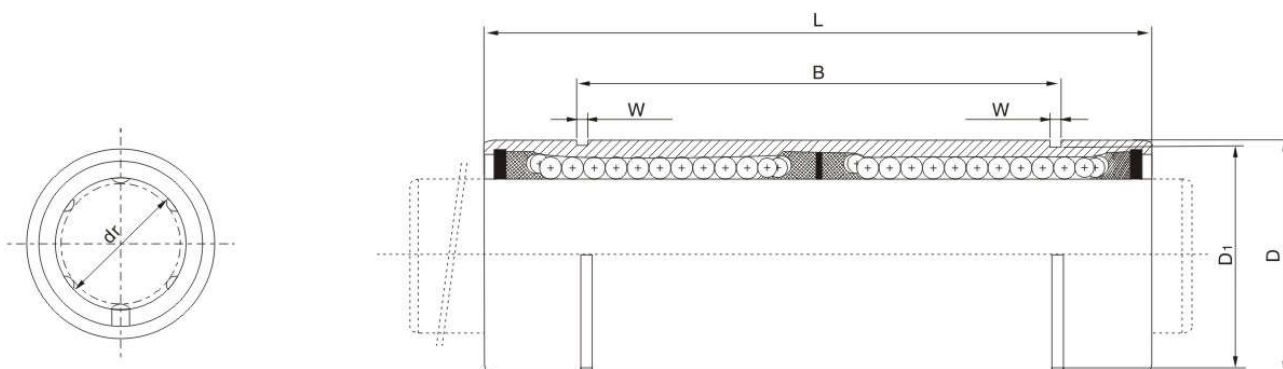


Linear bearing series LM...LUU



Model No.			Main Dimension								W	D ₁	Eccentricity (Max) μm	Radial Clearance Tolerance μm	Basic Load Rating	
Standard Type	Ball Circuit	Weight (g)	Inner Diameter d _r	Tolerance	Outer Diameter D	Tolerance	Length L	Tolerance	B	Tolerance					CN	CoN
LM3LUU	4	3	3		7		19		—		—	—	10	—2	139	216
LM4LUU	4	4	4		8		23		—		—	—	10	—3	139	254
LM5LUU	4	8	5		10	0 -0.013	29		20	0 -0.3	1.1	9.6	10	—3	263	412
LM6LUU	4	16	6		12		35		27		1.1	11.5	15	—5	324	529
LM8LUU	4	31	8	0 -0.010	15		45	0 -0.3	35		1.1	14.3	15	—5	431	784
LM10LUU	4	62	10		19		55		44		1.3	18	15	—5	588	1100
LM12LUU	4	80	12		21	0	57		46	0	1.3	20	15	—5	657	1200
LM13LUU	4	90	13		23	-0.016	61		46	-0.3	1.3	22	15	—7	814	1570
LM16LUU	5	145	16		28		70		53		1.6	27	15	—7	1230	2350
LM20LUU	5	180	20		32		80		61		1.6	30.5	20	—9	1400	2750
LM25LUU	6	440	25	0 -0.012	40	0 -0.019	112		82		1.85	38	20	—9	1560	3140
LM30LUU	6	580	30		45		123		89		1.85	43	20	—9	2490	5490
LM35LUU	6	795	35		52		135		99		2.1	49	25	—13	2650	6270
LM40LUU	6	1170	40	0 -0.015	60	0 -0.022	154	0 -0.4	121	0 -0.4	2.1	57	25	—13	3430	8040
LM50LUU	6	3100	50		80		192		148		2.6	76.5	25	—13	6080	15900
LM60LUU	6	3500	60	0 -0.020	90	0 -0.025	211		170		3.15	86.5	25	—16	7650	20000

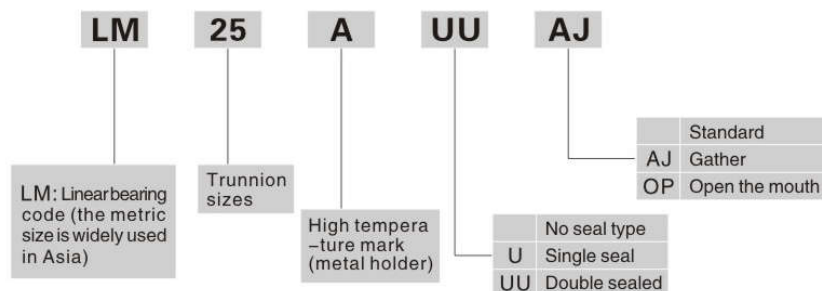


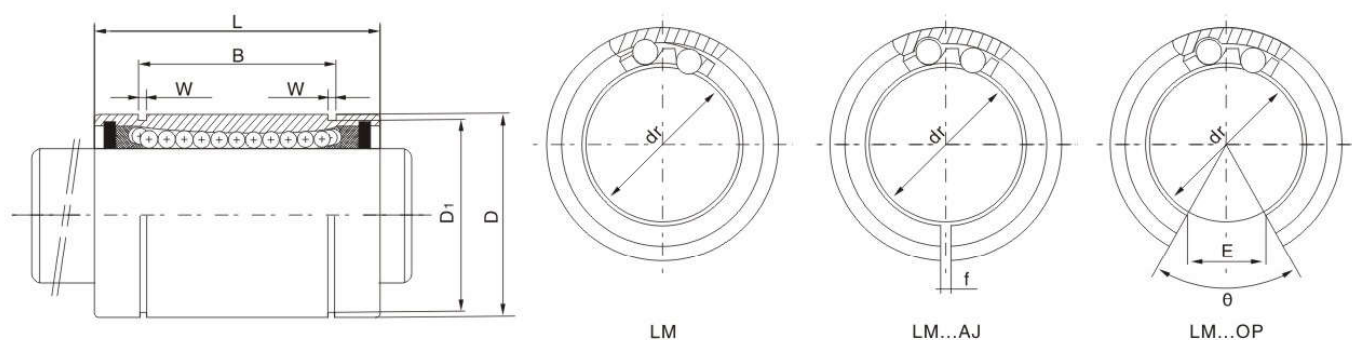
Linear bearing series

LM...UU



Designation					dimensions and tolerance		
LM...UU (Standard)	Ball circuit	Weight(g)	LM...AJ Clearance adjustment	LM...OP (Open the mouth)	dr (mm)	Tolerance(mm)	
						Precision J Precision level	Precision P Regular grade
LM 4UU	4	1.9	—	—	4	0 -0.005	0 -0.008
LM 5UU	4	4	—	—	5		
LM 6UU	4	8	LM6-AJ	—	6		
LM 8SUU	4	11	LM8-AJ	—	8		
LM 8UU	4	16	LM8-AJ	—	8		
LM 10UU	4	30	LM10-AJ	LM10-OP	10	0 -0.006	0 -0.009
LM 12UU	5	31.5	LM12-AJ	LM12-OP	12		
LM 13UU	5	43	LM13-AJ	LM13-OP	13		
LM 16UU	5	69	LM16-AJ	LM16-OP	16		
LM 20UU	6	87	LM20-AJ	LM20-OP	20		
LM 25UU	6	220	LM25-AJ	LM25-OP	25	0 -0.007	0 -0.0010
LM 30UU	6	250	LM30-AJ	LM30-OP	30		
LM 35UU	6	390	LM35-AJ	LM35-OP	35		
LM 40UU	6	585	LM40-AJ	LM40-OP	40	0 -0.008	0 -0.0012
LM 50UU	6	1580	LM50-AJ	LM50-OP	50		
LM 60UU	6	2000	LM60-AJ	LM60-OP	60		
LM 80UU	6	4420	LM80-AJ	LM80-OP	80	0 -0.009	0 -0.0015
LM 100UU	6	8600	LM100-AJ	LM100-OP	100	0 -0.010	0 -0.020





Major dimensions and tolerance											Ratings load		Model No.
D (mm)	Tolerance (mm)	L (mm)	Tolerance (mm)	B (mm)	Tolerance (mm)	W (mm)	D ₁ (mm)	f (mm)	E (mm)	θ	Dynamic CN	Static CoN	
8	0 -0.009	12	0 -0.12	—	—	—	—	—	—	—	88	127	LM 4UU
10		15		10.2		1.1	9.6	—	—	—	167	206	LM 5UU
12		19		13.5		1.1	11.5	1	—	—	206	265	LM 6UU
15	0 -0.011	17		11.5		1.1	14.3	1	—	—	176	216	LM 8SUU
15		24		17.5		1.1	14.3	1	—	—	274	392	LM 8UU
19		29	0 -0.2	22	0 -0.2	1.3	18	1	6.8	80°	372	549	LM 10UU
21	0 -0.013	30		23		1.3	20	1.5	8	80°	510	784	LM 12UU
23		32		23		1.3	22	1.5	9	80°	510	784	LM 13UU
28		37		26.5		1.6	27	1.5	11	80°	774	1180	LM 16UU
32		42		30.5		1.6	30.5	1.5	11	60°	882	1370	LM 20UU
40	0 -0.016	59		41		1.85	38	2	12	50°	980	1570	LM 25UU
45		64		44.5		1.85	43	2.5	15	50°	1570	2740	LM 30UU
52		70	0 -0.3	49.5	0 -0.3	2.1	49	2.5	17	50°	1670	3140	LM 35UU
60	0 -0.019	80		60.5		2.1	57	3	20	50°	2160	4020	LM 40UU
80		100		74		2.6	76.5	3	25	50°	3820	7940	LM 50UU
90	0 -0.022	110		85		3.15	86.5	3	30	50°	4700	10000	LM 60UU
120		140	0 -0.4	105.5	0 -0.4	4.15	116	3	40	50°	7350	16000	LM 80UU
150	0 -0.025	175		125.5		4.15	145	3	50	50°	14120	34800	LM 100UU



Flange linear bearing series

LMF..UU



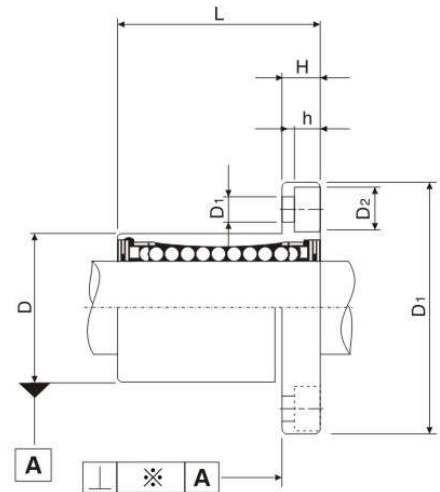
LMF



LMK

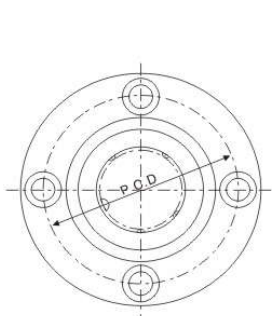


LMH

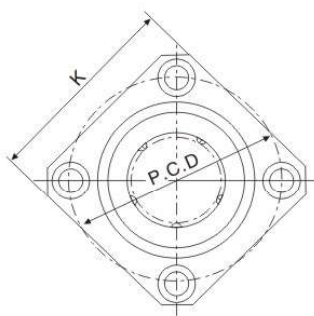


Model No.			Ball Circuit	Weight (g)	Permissible Diameter Tolerance (μm)	Basic Load Rating		Inner Diameter	
Round Flange Type	Square Flange Type	Oval Flange Type				Dynamic CN	Static CoN	dr (mm)	Tolerance (μm)
LMF6UU	LMK6UU	LMH 6UU	4	26.5	-5	200	260	6	0 -9
LMF8SUU	LMK8SUU	-	4	34	-5	170	220	8	
LMF8UU	LMK8UU	LMH 8UU	4	40	-5	260	400	8	
LMF10UU	LMK10UU	LMH10UU	4	78	-5	370	540	10	
LMF12UU	LMK12UU	LMH12UU	4	76	-5	410	590	12	
LMF13UU	LMK13UU	LMH13UU	4	94	-7	500	770	13	
LMF16UU	LMK16UU	LMH16UU	5	134	-7	770	1170	16	0 -10
LMF20UU	LMK20UU	LMH20UU	5	180	-9	860	1370	20	
LMF25UU	LMK25UU	LMH25UU	6	340	-9	980	1560	25	
LMF30UU	LMK30UU	LMH30UU	6	460	-9	1560	2740	30	0 -12
LMF35UU	LMK35UU	-	6	795	-13	1660	3130	35	
LMF40UU	LMK40UU	-	6	1054	-13	2150	4010	40	
LMF50UU	LMK50UU	-	6	2200	-13	3820	7930	50	0 -15
LMF60UU	LMK60UU	-	6	2960	-16	4700	9990	60	
LMF80UU	LMK80UU	-	6	5800	-20	7350	16000	80	0 -20
LMF100UU	LMK100UU	-	6	10600	-30	14100	34800	100	

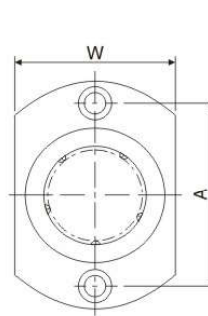
Note: unless otherwise LMF...LUU LMK...LUU LMH...LUU (The stretched)



LMF



LMK



LMH

Dimension (mm)														Model No.
Outer Diameter (mm)	D Tolerance (μ m)	Length (mm)	L Tolerance (μ m)	D1 (mm)	D1 Tolerance (μ m)	H	PCD	K	W	A	F	Square- ness Tolerances (μ m)	d1xd2xh	
12	0 -11	19	0 -0.2	28	0 -0.2	5	20	22	18	20	-	12	3.4X6.5X3.3	LMF/K/H6UU
15		17		32		5	24	25	-	-	-	12	3.4X6.5X3.3	LMF/K/8SUU
15		24		32		5	24	25	21	24	-	12	3.4X6.5X3.3	LMF/K/H8UU
19	0 -13	29		40		6	29	30	25	29	-	12	4.5X8X4.4	LMF/K/H10UU
21		30		42		6	32	32	27	32	-	12	4.5X8X4.4	LMF/K/H12UU
23		32		43		6	33	34	29	33	-	12	4.5X8X4.4	LMF/K/H13UU
28		37		48		6	38	37	34	31	22	12	4.5X8X4.4	LMF/K/H16UU
32	0 -16	42	0 -0.3	54	0 -0.3	8	43	42	38	36	24	15	5.5X9.5X5.4	LMF/K/H20UU
40		59		62		8	51	50	46	40	32	15	5.5X9.5X5.4	LMF/K/H25UU
45		64		74		10	60	58	51	49	35	15	6.6X11X6.5	LMF/K/H30UU
52	0 -19	70		82		10	67	64	-	-	-	20	6.6X11X6.5	LMF/K/H35UU
60		80		96		13	78	75	-	-	-	20	9X14X8.6	LMF/K/H40UU
80		100		116		13	98	92	-	-	-	20	9X14X8.6	LMF/K/H50UU
90	0 -22	110	0 -300	134	0 -0.5	18	112	106	-	-	-	25	11X17.5X10.8	LMF/K/H60UU
120	0 -25	140		164		18	142	136	-	-	-	30	11X17X11.1	LMF/K/H80UU
150	0 -29	175		200		20	175	170	-	-	-	40	14X20X13.1	LMF/K/H100UU



Flange linear bearing series We can supply steel cages linear bearing



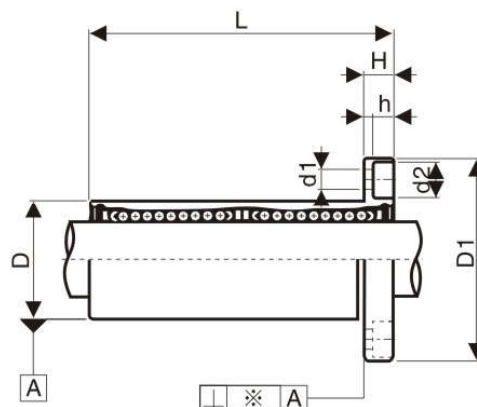
LMK LMEK



LMH

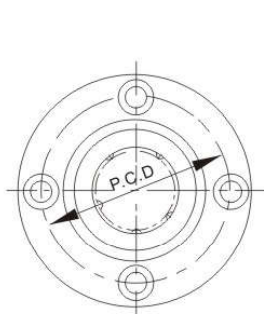


LMF LMEF

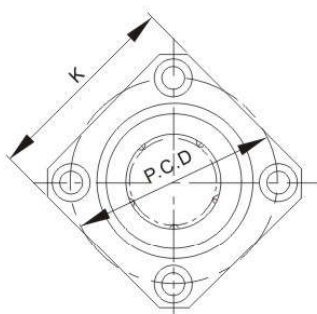


Model No.			Ball Circuit	Weight (g)	Permissible Diameter Tolerance (μm)	Basic Load Rating		Inner Diameter	
Round Flange Lengthen Type	Square Flange Lengthen Type	Oval Flange Lengthen Type				Dynamic CN	Static CoN	dr (mm)	Tolerance (μm)
LMF6LUU	LMK6LUU	LMH6LUU	4	31	-5	320	520	6	0 -10
LMF8LUU	LMK8LUU	LMH8LUU	4	53	-5	430	780	8	
LMF10LUU	LMK10LUU	LMH10LUU	4	105	-5	580	1100	10	
LMF12LUU	LMK12LUU	LMH12LUU	4	100	-5	650	1200	12	
LMF13LUU	LMK13LUU	LMH13LUU	4	130	-7	810	1570	13	
LMF16LUU	LMK16LUU	LMH16LUU	5	187	-7	1230	2350	16	0 -12
LMF20LUU	LMK20LUU	LMH20LUU	5	260	-9	1400	2750	20	
LMF25LUU	LMK25LUU	LMH25LUU	6	515	-9	1560	3140	25	
LMF30LUU	LMK30LUU	LMH30LUU	6	655	-9	2490	5490	30	0 -15
LMF35LUU	LMK35LUU	-	6	970	-13	2650	6470	35	
LMF40LUU	LMK40LUU	-	6	1560	-13	3430	8040	40	
LMF50LUU	LMK50LUU	-	6	3500	-13	6080	15900	50	0 -20
LMF60LUU	LMK60LUU	-	6	4500	-16	7650	20000	60	
LMEF8LUU	LMEK8LUU	-	4	53	-5	430	780	8	+9 -1
LMEF12LUU	LMEK12LUU	-	4	100	-5	650	1200	12	
LMEF16LUU	LMEK16LUU	-	5	187	-7	1230	2350	16	
LMEF20LUU	LMEK20LUU	-	5	260	-9	1400	2750	20	+11 -1
LMEF25LUU	LMEK25LUU	-	6	515	-9	1560	3140	25	
LMEF30LUU	LMEK30LUU	-	6	655	-9	2490	5490	30	+13 -2
LMEF40LUU	LMEK40LUU	-	6	1560	-13	3430	8040	40	
LMEF50LUU	LMEK50LUU	-	6	3500	-13	6080	15900	50	+16 -4
LMEF60LUU	LMEK60LUU	-	6	4500	-16	7650	20000	60	

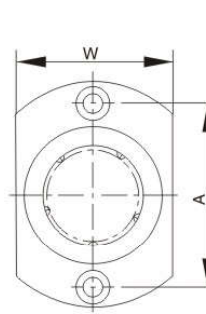
1N≈0.102kgf



LMF LMEF



LMK LMEK



LMH

尺寸 Dimension (mm)														Model No.
Outer Diameter		Length		D1		H	PCD	K	W	A	F	Square-ness Tolerances (μm)	d1xd2xh	
(mm)	Tolerance (μm)	(mm)	Tolerance (μm)	(mm)	Tolerance (μm)									
12	0 -13	35	0 -0.3	28	0 -0.2	5	20	22	18	20	-	15	3.4X6.5X3.3	LMF/K/H6LUU
15		45		32		5	24	25	21	24	-	15	3.4X6.5X3.3	LMF/K/H8LUU
19	0 -16	55		40		6	29	30	25	29	-	15	4.5X8X4.4	LMF/K/H10LUU
21		57		42		6	32	32	27	32	-	15	4.5X8X4.4	LMF/K/H12LUU
23		61		43		6	33	34	29	33	-	15	4.5X8X4.4	LMF/K/H13LUU
28		70		48		6	38	37	34	31	22	15	4.5X8X4.4	LMF/K/H16LUU
32	0 -19	80	54	8	43	42	38	36	24	20	5.5X9.5X5.4	LMF/K/H20LUU		
40		112	62	8	51	50	46	40	32	20	5.5X9.5X5.4	LMF/K/H25LUU		
45		123	74	10	60	58	51	49	35	20	6.6X11X6.5	LMF/K/H30LUU		
52	0 -22	135	82	10	67	64	-	-	-	25	6.6X11X6.5	LMF/K/H35LUU		
60		154	96	0 -0.3	13	78	75	-	-	-	25	9X14X8.6	LMF/K/H40LUU	
80		192	116		13	98	92	-	-	-	25	9X14X8.6	LMF/K/H50LUU	
90	0 -25	211	134		18	112	106	-	-	-	25	11X17.5X10.8	LMF/K/H60LUU	
16	0 -9	45	0 -0.3	32	0 -0.2	5	24	25	-	-	-	15	3.4X6.5X3.3	LMEF/K8LUU
22	0 -11	57		42		6	32	32	-	-	-	15	4.5X8X4.4	LMEF/K12LUU
26		70		46		6	36	35	-	-	-	15	4.5X8X4.4	LMEF/K16LUU
32	0 -13	80		54		8	43	42	-	-	-	17	5.5X9.5X5.4	LMEF/K20LUU
40		112		62		8	51	50	-	-	-	17	5.5X9.5X5.4	LMEF/K25LUU
47		123		76		10	62	60	-	-	-	17	6.6X11X6.5	LMEF/K30LUU
62	0 -15	154	98	0 -0.3	13	80	75	-	-	-	20	9X14X8.6	LMEF/K40LUU	
75		192	112		13	94	88	-	-	-	20	9X14X8.6	LMEF/K50LUU	
90	0 -20	211	134		18	112	106	-	-	-	25	11X17.5X10.8	LMEF/K60LUU	