

直線軸承/連座線性軸承/軸心固定座

Linear Ball Bearing / Linear Block / Shaft Supporter



LM標準型



LM-OP開口型



LMF圓法蘭型



LMF-L-圓法蘭加長型



LMK-方法蘭型



LMF-L-圓法蘭加長型



LMH-雙削法蘭型



LMH-L-雙削法蘭加長型



SC-連座線性軸承



SME-連座線性軸承



SME-L-加長型線性軸承



SA-SNB軸心式滑軌



SHF-軸心固定座



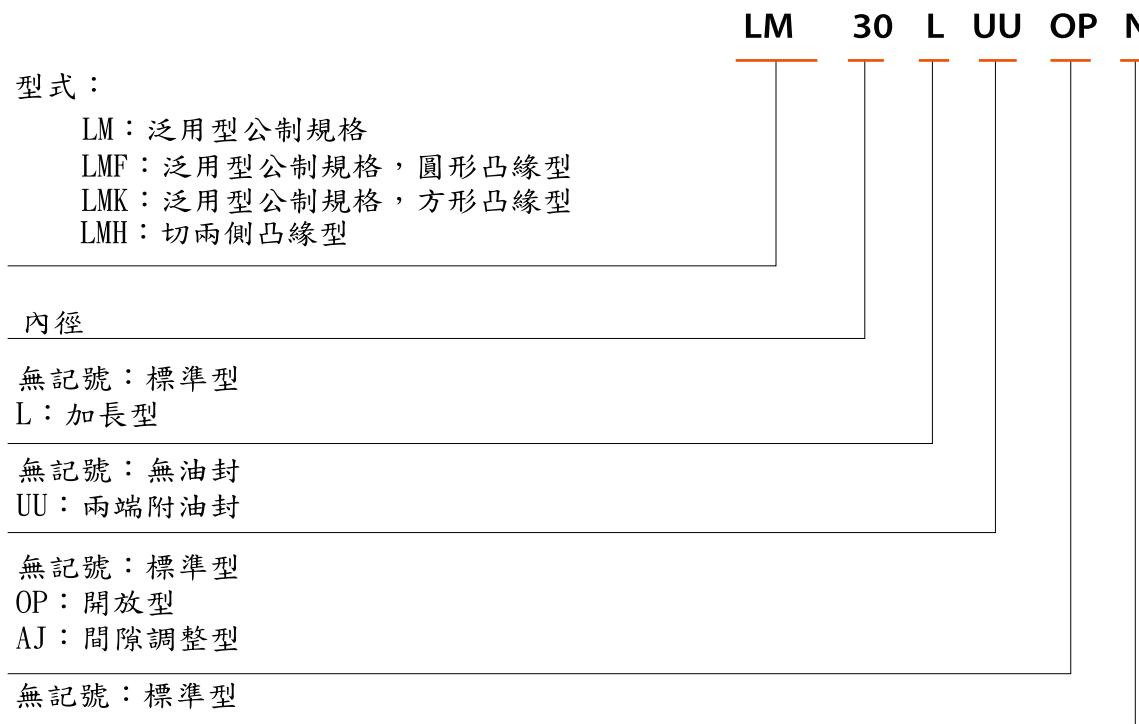
SK-軸心固定座



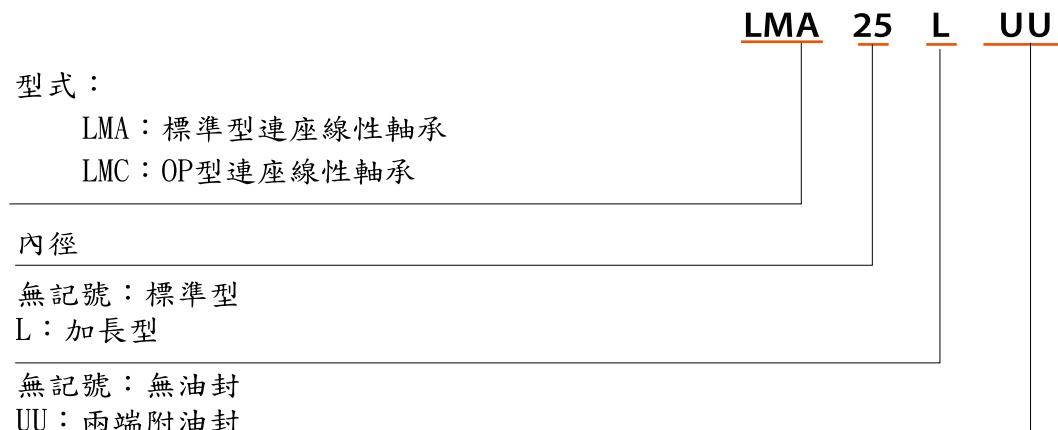
LGD軸心式滑軌

型號例說明

(1) 直線軸承 Linear Ball Bearing



(2) 連座線性軸承 Linear Block



(3) 軸心固定座 Shaft Supporter



LM 泛用型公制規格

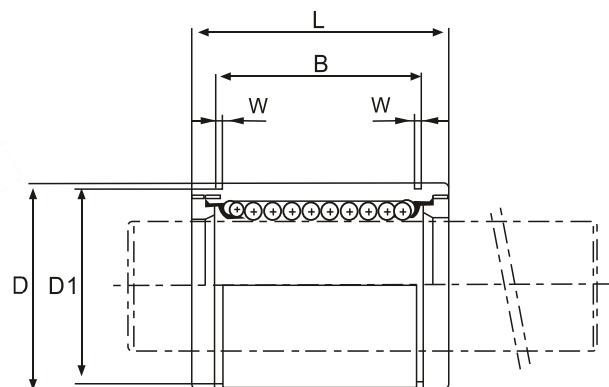
LM Series



LM

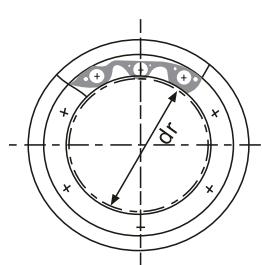
LM OP

LM AJ

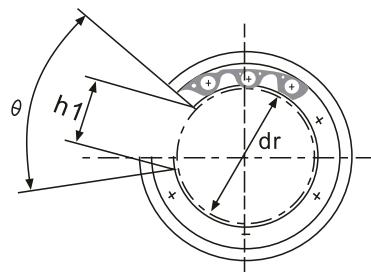


Part No.									
Seal Type	Ball Circuit	Open Type	Ball Circuit	Adjustable Type	Ball Circuit	dr (mm)	Tolerance (μm)	D (mm)	Tolerance (μm)
LM4	4	—	—	—	—	4	0 -8	8 10	0 -9
LM5UU	4	—	—	—	—	5			
LM6UU	4	—	—	LM6UUAJ	4	6		12	
LM8SUU	4	—	—	LM8SUUAJ	4	8		15	0 -11
LM8UU	4	—	—	LM8UUAJ	4	8	0 -9	15	
LM10UU	4	—	—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

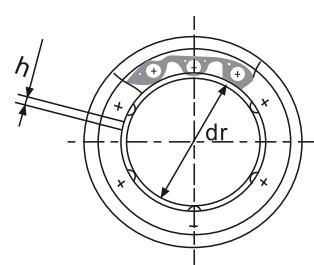
LM



LM -OP



LM -AJ



Main Dimensions and Tolerance									Eccentricity (max) μm	Radial Clearance (max) μm	Basic Load Rating		Weight (g)	Part No.
L (mm)	Tolerance (μm)	B (mm)	Tolerance (μm)	W (mm)	D1 (mm)	h (mm)	h1 (mm)	θ			C N	Co N		
12	0 -120	-	10.2	-	-	-	-	-	8	-3	88	127	2	LM4
15		13.5		1.1	9.6	-	-	-			167	206	4	LM5UU
19		11.5		1.1	11.5	1.0	-	-			206	265	8.5	LM6UU
17		17.5		1.1	14.3	1.0	-	-			176	216	11	LM8SUU
24		22		1.3	18	1.0	6.8	80°	12		274	392	17	LM8UU
29		23		1.3	20	1.5	8	80°	-4	372	549	36	LM10UU	
30		23		1.3	22	1.5	9	80°		510	784	42	LM12UU	
32		26.5		1.6	27	1.5	11	80°		510	784	49	LM13UU	
37		30.5		1.6	30.5	1.5	11	60°	-6	774	1180	76	LM16UU	
42		41		1.85	38	2	12	50°		15		882	1370	100
59	0 -300	44.5	0 -400	1.85	43	2.5	15	50°				980	1570	240
64		49.5		2.1	49	2.5	17	50°	-8	1570	2740	270	LM30UU	
70		60.5		2.1	57	3	20	50°		1670	3140	425	LM35UU	
80		74		2.6	76.5	3	25	50°	20	-10	2160	4020	654	LM40UU
100		85		3.15	86.5	3	30	50°			3820	7940	1700	LM50UU
110									25	-13	4700	10000	2000	LM60UU

LMF/K/H 凸緣型(公制規格)

LMF/K/H Series



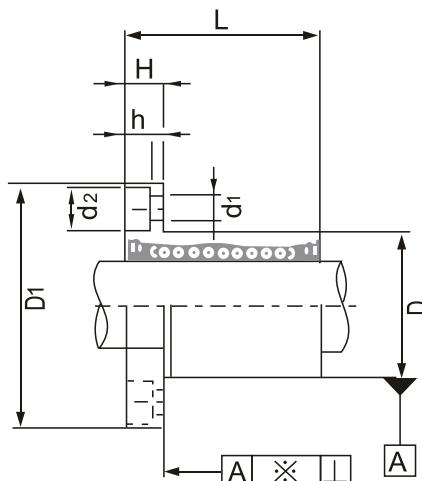
LMF



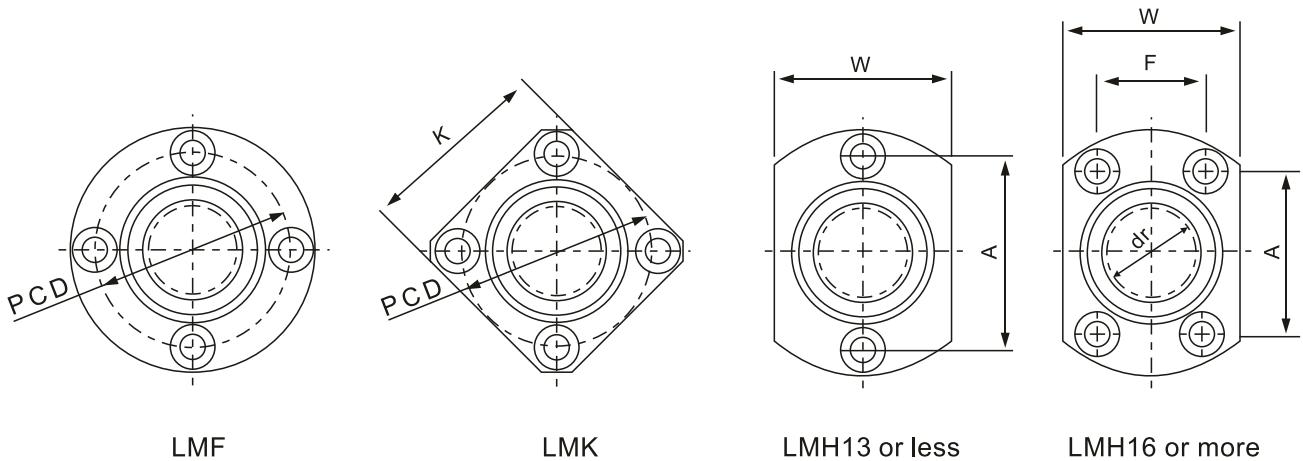
LMK



LMH



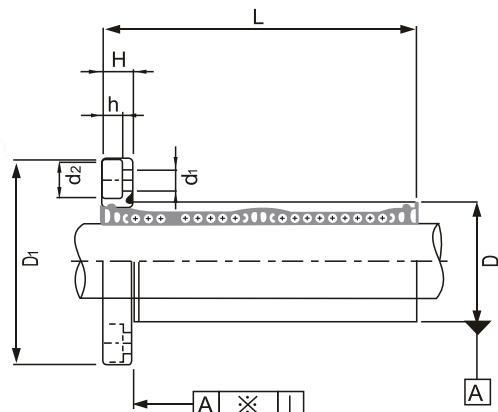
Part No.				Main Dimensions and Tolerance											
Seal Type			Ball Circuit	dr (mm)	Tolerance (μ m)	D (mm)	Tolerance (μ m)	$L_{\pm 0.3}$ (mm)	D1 (mm)	H (mm)	PCD (mm)	K (mm)	W (mm)	A (mm)	
LMF6UU	LMK6UU	LMH6UU	4	6	0 -9	12	0 -11	19	28	5	20	22	18	20	
LMF8UU	LMK8UU	LMH8UU	4	8		15		24	32	5	24	25	21	24	
LMF10UU	LMK10UU	LMH10UU	4	10		19		29	40	6	29	30	25	29	
LMF12UU	LMK12UU	LMH12UU	4	12		21		30	42	6	32	32	27	32	
LMF13UU	LMK13UU	LMH13UU	4	13		23		32	43	6	33	34	29	33	
LMF16UU	LMK16UU	LMH16UU	5	16		28		37	48	6	38	37	34	31	
LMF20UU	LMK20UU	LMH20UU	5	20	0 -10	32	0 -16	42	54	8	43	42	38	36	
LMF25UU	LMK25UU	LMH25UU	6	25		40		59	62	8	51	50	46	40	
LMF30UU	LMK30UU	LMH30UU	6	30		45		64	74	10	60	58	51	49	
LMF35UU	LMK35UU	—	6	35	0 -12	52	0 -19	70	82	10	67	64	—	—	
LMF40UU	LMK40UU	—	6	40		60		80	96	13	78	75	—	—	
LMF50UU	LMK50UU	—	6	50		80		100	116	13	98	92	—	—	
LMF60UU	LMK60UU	—	6	60		90		110	134	18	112	106	—	—	



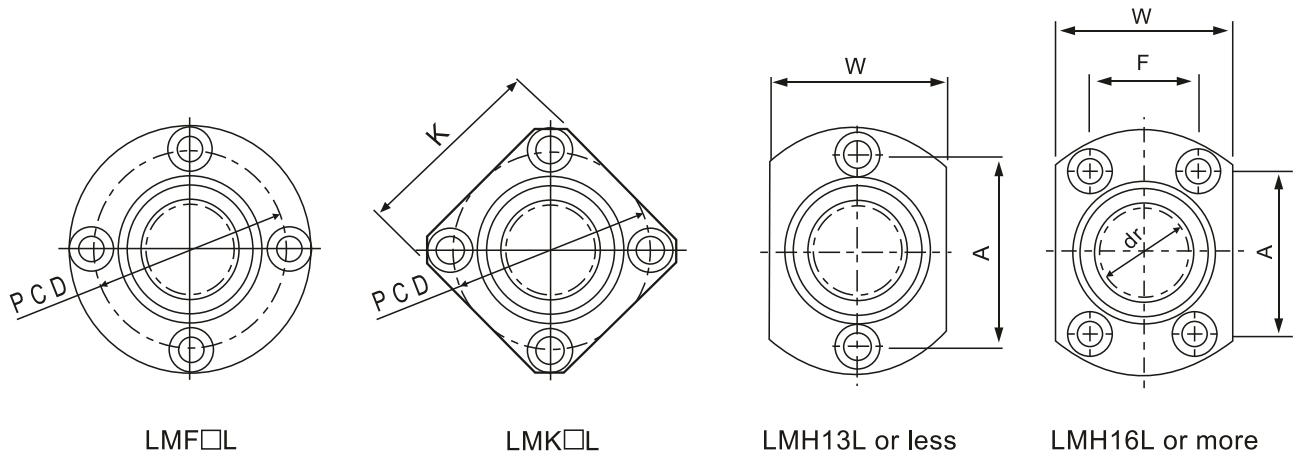
		Eccentricity (max) μm	Radial Clearance (max) μm	Basic Load Rating		Weight (g)	Part No.
F (mm)	d1xd2xh (mm)			C N	C _o N		
-	3.5x6x3.1	12	-3	206	265	24	LMF/K/H6UU
-	3.5x6x3.1			274	392	37	LMF/K/H8UU
-	4.5x7.5x4.1		-4	372	549	72	LMF/K/H10UU
-	4.5x7.5x4.1			510	784	76	LMF/K/H12UU
-	4.5x7.5x4.1		-6	510	784	88	LMF/K/H13UU
22	4.5x7.5x4.1			774	1180	120	LMF/K/H16UU
24	5.5x9x5.1	15	-8	882	1370	180	LMF/K/H20UU
32	5.5x9x5.1			980	1570	340	LMF/K/H25UU
35	6.6x11x6.1			1570	2740	470	LMF/K/H30UU
-	6.6x11x6.1	20	-10	1670	3140	650	LMF/K35UU
-	9x14x8.1			2160	4020	1060	LMF/K40UU
-	9x14x8.1		-13	3820	7940	2200	LMF/K50UU
-	11x17x11.1			4700	10000	3000	LMF/K60UU

LMF/K/H 凸緣加長型(公制規格)

LMF/K/H_□L Series



Part No.				Main Dimensions and Tolerance							
Seal Type			Ball Circuit	dr (mm)	Tolerance (μm)	D (mm)	Tolerance (μm)	L ±0.3 (mm)	D1 (mm)	H (mm)	
LMF6LUU	LMK6LUU	LMH6LUU	4	6	0 -10	12	0 -13	35	28	5	
LMF8LUU	LMK8LUU	LMH8LUU	4	8		15		45	32	5	
LMF10LUU	LMK10LUU	LMH10LUU	4	10		19	0 -16	55	40	6	
LMF12LUU	LMK12LUU	LMH12LUU	4	12		21		57	42	6	
LMF13LUU	LMK13LUU	LMH13LUU	4	13		23		61	43	6	
LMF16LUU	LMK16LUU	LMH16LUU	5	16		28		70	48	6	
LMF20LUU	LMK20LUU	LMH20LUU	5	20	0 -12	32	0 -19	80	54	8	
LMF25LUU	LMK25LUU	LMH25LUU	6	25		40		112	62	8	
LMF30LUU	LMK30LUU	LMH30LUU	6	30		45		123	74	10	
LMF35LUU	LMK35LUU	—	6	35	0 -15	52	0 -22	135	82	10	
LMF40LUU	LMK40LUU	—	6	40		60		151	96	13	
LMF50LUU	LMK50LUU	—	6	50		80		192	116	13	
LMF60LUU	LMK60LUU	—	6	60	0/-20	90	0/-25	209	134	18	



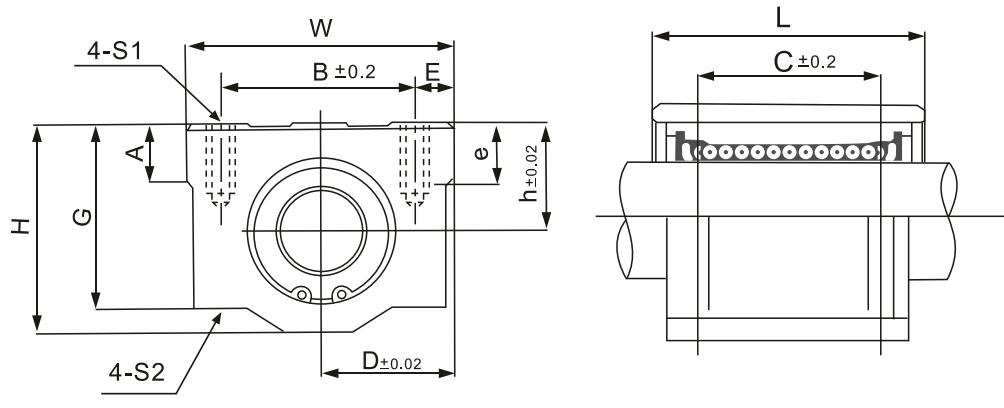
PCD (mm)	K (mm)	W (mm)	A (mm)	F (mm)	d1xd2xh (mm)	Eccentricity (max) μm	Radial Clearance (max) μm	Basic Load Rating		Weight (g)	Part No.
								C N	Co N		
20	22	18	20	-	3.5x6x3.1	15	-3	323	529	31	LMF/K/H6LUU
24	25	21	24	-	3.5x6x3.1	15	-3	431	784	51	LMF/K/H8LUU
29	30	25	29	-	4.5x7.5x4.1	15	-4	588	1100	98	LMF/K/H10LUU
32	32	27	32	-	4.5x7.5x4.1	15	-4	813	1570	110	LMF/K/H12LUU
33	34	29	33	-	4.5x7.5x4.1	15	-4	813	1570	130	LMF/K/H13LUU
38	37	34	31	22	4.5x7.5x4.1	15	-6	1230	2350	190	LMF/K/H16LUU
43	42	38	36	24	5.5x9x5.1	20	-6	1400	2740	260	LMF/K/H20LUU
51	50	46	40	32	5.5x9x5.1	20	-6	1560	3140	540	LMF/K/H25LUU
60	58	51	49	35	6.6x11x6.1	20	-8	2490	5490	680	LMF/K/H30LUU
67	64	-	-	-	6.6x11x6.1	25	-8	2650	6270	1020	LMF/K35LUU
78	75	-	-	-	9x14x8.1	25	-10	3430	8040	1570	LMF/K40LUU
98	92	-	-	-	9x14x8.1	25	-13	6080	15900	3600	LMF/K50LUU
112	106	-	-	-	11x17x11.1	25	-13	7550	20000	4500	LMF/K60LUU

SC 連座線性軸承

Slide unit SC Series



SC



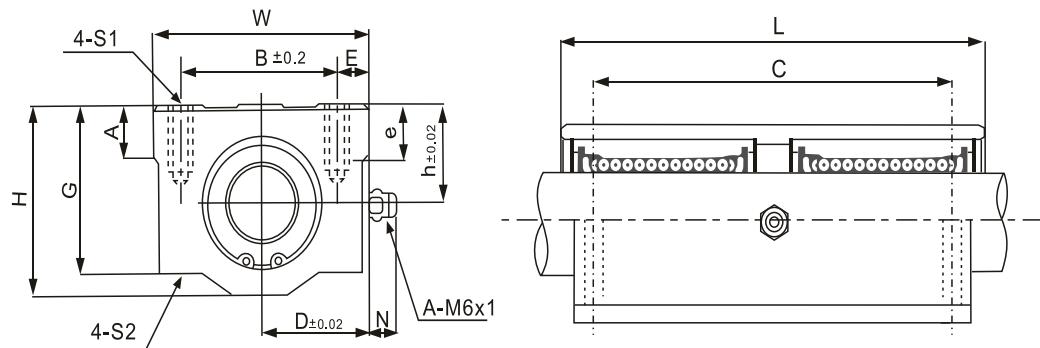
Part No.	Main dimensions (mm)												Basic Load Rating C N	Weight (g)	
	h	D	W	H	G	A	B	E	S1xe	S2	C	L			
SC8UU	11	17	34	22	18	6	24	5	M4X8	3.4	18	30	274	392	52
SC10UU	13	20	40	26	21	8	28	6	M5X12	4.3	21	35	372	549	92
SC12UU	15	21	42	28	24	8	30.5	5.75	M5X12	4.3	26	36	510	784	102
SC13UU	15	22	44	30	24.5	8	33	5.5	M5X12	4.3	26	39	510	784	120
SC16UU	19	25	50	38.5	32.5	9	36	7	M5X12	4.3	34	44	774	1180	200
SC20UU	21	27	54	41	35	11	40	7	M6X12	5.2	40	50	882	1370	255
SC25UU	26	38	76	51.5	42	12	54	11	M8X18	7	50	67	980	1570	600
SC30UU	30	39	78	59.5	49	15	58	10	M8X18	7	58	72	1574	2740	735
SC35UU	34	45	90	68	54	18	70	10	M8X18	7	60	80	1670	3140	1100
SC40UU	40	51	102	78	62	20	80	11	M10X25	8.7	60	90	2160	4020	1590
SC50UU	52	61	122	102	80	25	100	11	M10X25	8.7	80	110	3820	7940	3340

SC...L 加長型連座線性軸承

Slide unit SC□L Series



SC□L



Part No.	Main dimensions (mm)													Basic Load Rating C N	Co N	Weight (g)
	h	D	W	H	G	N	A	B	E	S1xe	S2	C	L			
SC8LUU	11	17	34	22	18	7	6	24	5	M4x8	3.4	42	58	431	784	102
SC10LUU	13	20	40	26	21	7	8	28	6	M5X12	4.3	46	68	588	1100	180
SC12LUU	15	21	42	28	24	6.5	8	30.5	5.75	M5X12	4.3	50	70	813	1570	250
SC13LUU	15	22	44	30	24.5	6.5	8	33	5.5	M5X12	4.3	50	75	813	1570	240
SC16LUU	19	25	50	38.5	32.5	6	9	36	7	M5X12	4.3	60	85	1230	2350	400
SC20LUU	21	27	54	41	35	7	11	40	7	M6X12	5.2	70	96	1410	2740	570
SC25LUU	26	38	76	51.5	42	4	12	54	11	M8X18	7	100	130	1610	3140	1200
SC30LUU	30	39	78	59.5	49	5	15	58	10	M8X18	7	110	140	2450	5490	1480
SC35LUU	34	45	90	68	54	5.5	18	70	10	M8X18	7	120	155	2650	6270	2200
SC40LUU	40	51	102	78	62	5	20	80	11	M10X25	8.7	140	175	3430	8040	3200
SC50LUU	52	61	122	102	80	5	25	100	11	M10X25	8.7	160	215	6080	15900	6700

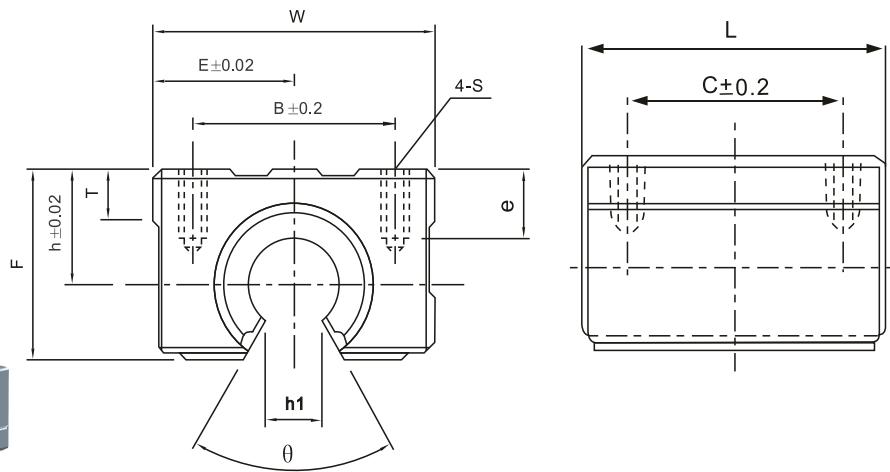
Slide Unit SME /SME□L Series



SME



SME□L



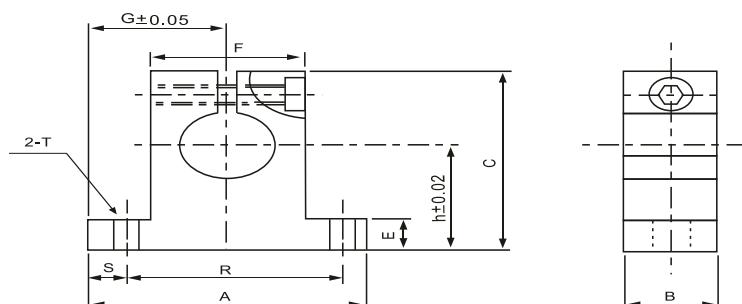
Part No.	Main dimensions (mm)												Slide Bush	Basic Load Rating		Weight (g)
	h	D	W	L	F	T	h1	θ	B	C	Sxe	C N	Co N			
SME16UU	20	22.5	45	45	33	9	10	80°	32	30	M5x12	LM16UU-OP	774	1180	150	
SME20UU	23	24	48	50	39	11	10	60°	35	35	M6x12	LM20UU-OP	882	1370	200	
SME25UU	27	30	60	65	47	14	11.5	50°	40	40	M6x12	LM25UU-OP	980	1570	450	
SME30UU	33	35	70	70	56	15	14	50°	50	50	M8x18	LM30UU-OP	1570	2740	630	
SME35UU	37	40	80	80	63	18	16	50°	55	55	M8x18	LM35UU-OP	1670	3140	925	
SME40UU	42	45	90	90	72	20	19	50°	65	65	M10x20	LM40UU-OP	2160	4020	1330	
SME50UU	53	60	120	110	92	25	23	50°	94	80	M10x20	LM50UU-OP	3820	7940	3000	

Part No.	Main dimensions (mm)												Slide Bush	Basic Load Rating		Weight (g)
	h	D	W	L	F	T	h1	θ	B	C	Sxe	C N	Co N			
SME16LUU	20	22.5	45	85	33	9	10	80°	32	60	M5x12	LM16UU-OPx2	1230	2350	300	
SME20LUU	23	24	48	95	39	11	10	60°	35	70	M6x12	LM20UU-OPx2	1400	2740	400	
SME25LUU	27	30	60	130	47	14	11.5	50°	40	90	M6x12	LM25UU-OPx2	1560	3140	900	
SME30LUU	33	35	70	140	56	15	14	50°	50	100	M8x18	LM30UU-OPx2	2490	5490	1260	

Slide Unit SK series

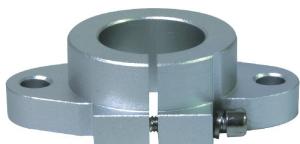


SK

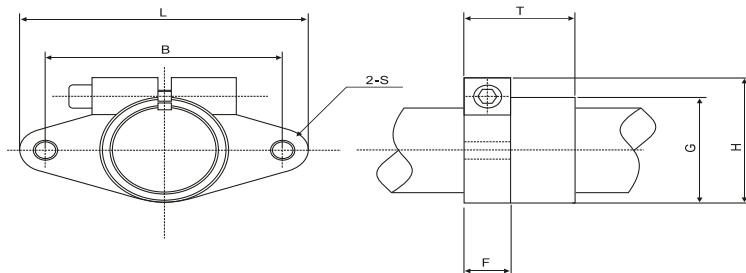


Part No.	Shaft diameter	Main dimensions (mm)										Clamping bolt designation	Mounting bolt designation	Weight (g)
		h	G	A	B	C	E	F	R	S	T			
SK-8	8	20	21	42	14	32.8	6	18	32	5	5.5	M4	M5	24
SK-10	10	20	21	42	14	32.8	6	18	32	5	5.5	M4	M5	24
SK-12	12	23	21	42	14	37.5	6	20	32	5	5.5	M4	M5	30
SK-13	13	23	21	42	14	37.5	6	20	32	5	5.5	M4	M5	30
SK-16	16	27	24	48	16	44	8	25	38	5	5.5	M4	M5	40
SK-20	20	31	30	60	20	51	10	30	45	7.5	6.6	M5	M6	70
SK-25	25	35	35	70	24	60	12	38	56	7	6.6	M6	M6	130
SK-30	30	42	42	84	28	70	12	44	64	10	9	M6	M8	180
SK-35	35	50	49	98	32	82	15	50	74	12	11	M8	M10	270
SK-40	40	60	57	114	36	96	15	60	90	12	11	M8	M10	420
SK-50	50	70	63	126	40	120	18	74	100	13	14	M12	M12	750

Slide Unit SHF Series

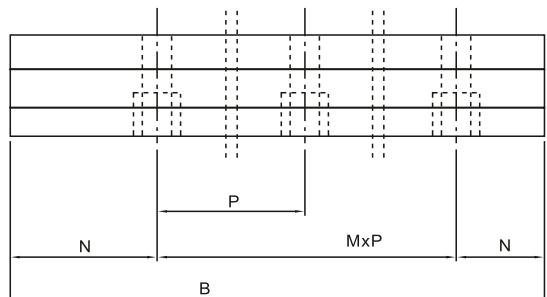
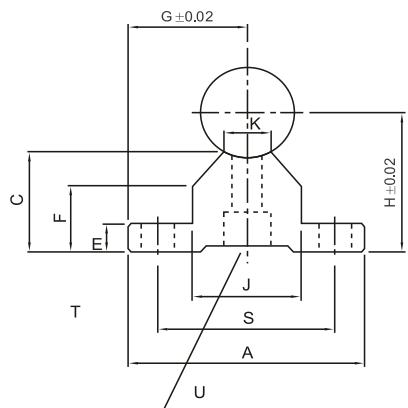


SHF



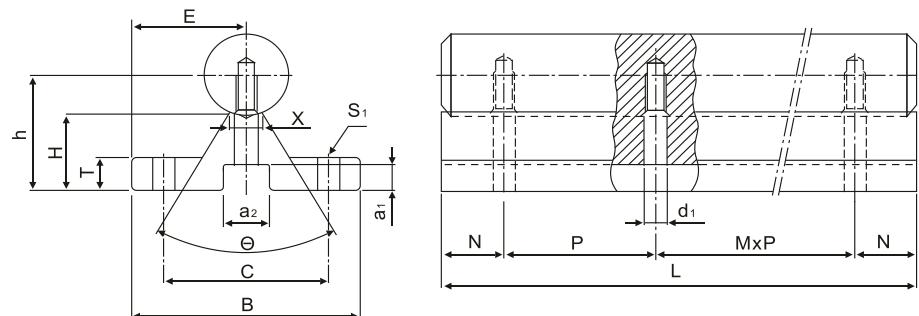
Part No.	Shaft diameter	Main dimensions (mm)							Clamping bolt designation	Mounting bolt designation	Weight (g)
		L	T	F	B	G	H	S			
SHF-10	10	43	10	5	32	20	24	5.5	M5	M4	13
SHF-12	12	47	13	7	36	25	28	5.5	M5	M4	20
SHF-13	13	47	13	7	36	25	28	5.5	M5	M4	20
SHF-16	16	50	16	8	40	28	31	5.5	M5	M4	27
SHF-20	20	60	20	8	48	34	37	7	M6	M5	40
SHF-25	25	70	25	10	56	40	42	7	M6	M5	60
SHF-30	30	80	30	12	64	46	50	9	M8	M6	110
SHF-35	35	92	35	14	72	50	58	12	M10	M8	380
SHF-40	40	105	40	16	80	56	67	12	M10	M10	510
SHF-50	50	122	50	19	96	70	83	14	M12	M12	890

Slide Unit SA Series



Part No.	Shaft Dia	Main dimensions (mm)															Weight (g)
		H	G	A	B	C	E	F	J	K	L	N	MxP	S	T	U	
SA16-200L	16	25	20	40	200	17.8	5	11.7	18.5	8	80°	25	1x150	30	5.5	M5	200
SA16-300L					300							75	1x150				300
SA16-400L					400							50	2x150				400
SA16-500L					500							25	3x150				500
SA16-600L					600							75	3x150				600
SA20-200L	20	27	22.5	45	200	17.7	5	10	19	8	50°	25	1x150	30	5.5	M6	200
SA20-300L					300							75	1x150				300
SA20-400L					400							50	2x150				400
SA20-500L					500							25	3x150				510
SA20-600L					600							75	3x150				610
SA25-300L	25	33	27.5	55	300	21	6	12	21.5	8	50°	50	1x200	35	6.5	M6	430
SA25-400L					400							100	1x200				580
SA25-500L					500							50	2x200				730
SA25-600L					600							100	2x200				880
SA30-300L	30	37	30	60	300	22.8	7	13	26.5	103	50°	50	1x200	40	6.5	M8	550
SA30-400L					400							100	1x200				730
SA30-500L					500							50	2x200				920
SA30-600L					600							100	2x200				1100
SA35-300L	35	43	32.5	65	300	26.5	8	15.5	28	13	50°	50	1x200	45	9	M8	700
SA35-400L					400							100	1x200				950
SA35-500L					500							50	2x200				1190
SA35-600L					600							100	2x200				1420

Slide Unit TA Series



Part No.	Shaft Diameter	Dimensions (mm)								Mounting Dimension(mm)						Weight (g)	
		E	h	B	L	H	T	X	θ	C	N	MxP	S ₁	a ₁	a ₂	d ₁	
SNB 16	$\phi 16$	25	22.14	50	190	14.84	6	8	60°	37	20	1x150	5.5	6	9.5	5.5	200
					340							2x150					360
					640							4x150					670
					940							6x150					980
SNB 20	$\phi 20$	27.5	29.01	55	340	19.64	8	8	50°	40	20	2x150	5.5	6.5	11	6.5	365
					640							4x150					690
					940							6x150					1015
					1240							8x150					1340
SNB 25	$\phi 25$	32.5	31.97	65	250	20	10	8	50°	45	25	1x200	6.6	6.5	11	6.6	400
					450							2x200					715
					850							4x200					1350
					1250							6x200					1990
SNB 30	$\phi 30$	37.5	36.52	75	450	22.28	12	10.3	50°	55	25	2x200	6.6	8.5	14	9	900
					850							4x200					1680
					1250							6x200					2500
					1450							7x200					2900

Type number format:

SNB 190L

SNB SHAFT SUPPORTING TRACK
--USE IN TBR TYPE
SA SHAFT SUPPORTING TRACK
--USE IN SME、KBE TYPE

LENGTH OF THE TRACK

SHAFT DIAMETER