

for YOU and YOUR customer

LINEAR BUSHING

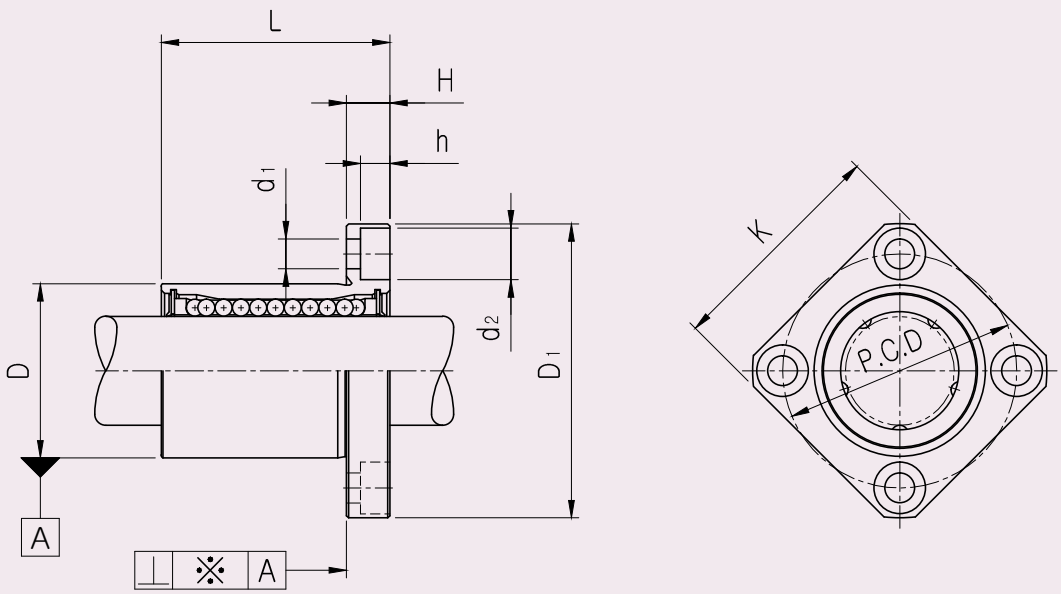
by **SAMICK**

SAMICK PRECISION IND.CO.,LTD.

CATALOG NO. 1501E

LMK FLANGED LINEAR BUSHING

Drawing



Part Number Notation

LMK 20 UU - A N S

- LMK — SAMICK Square Flanged Linear Bushing
- 20 — Nominal Shaft Diameter
- UU — Seal

Blank	No Seal
UU	Both Side Seal
U	One Side Seal

- A — Retainer (material)

Blank	Resin Retainer(Standard)
A	Steel Retainer(High temperature)★1

- N — Outer-sleeves (by corrosion resistance)

Blank	Standard(SUJ2)
N	Electroless nickel plating
R	Raydent treatment

- S — Ball type (material)

Blank	High carbon bearing steel ball(Standard)
S	Stainless steel ball



★1 Steel retainer applicable from LMK6 to LMK25 only
(LMK8S applicable with resin retainer only)

LMK FLANGED LINEAR BUSHING

PART NUMBER		WORKING BORE DIAMETER		D		L		D_1		H	PCD	K	d_1	d_2	h	SQUARENESS ※(㎛)★	BASIC LOAD RATING(N)		NO. OF BALL ROW	WEIGHT (gf)★2
Resin	Steel	dr. (mm)	CLEARANCE (mm)	mm	CLEARANCE (mm)	mm	CLEARANCE (mm)	mm	CLEARANCE (mm)								DYNAMIC (C)★1	STATIC (Co)		
LMK6UU	LMK6-A	6	0 -0.009	12	0 -0.011	19	0 -0.2	28	0 -0.2	5	20	22	3.4	6.5	3.3	12	200	260	4	26.5
LMK8SUU		8		15		17		32		5	24	25	3.4	6.5	3.3	12	170	220	4	34
LMK8UU	LMK8-A	8		15		24		32		5	24	25	3.4	6.5	3.3	12	260	400	4	40
LMK10UU	LMK10-A	10		19	0 -0.013	29		40		6	29	30	4.5	8.0	4.4	12	370	540	4	78
LMK12UU	LMK12-A	12		21		30		42		6	32	32	4.5	8.0	4.4	12	410	590	4	76
LMK13UU	LMK13-A	13		23		32		43		6	33	34	4.5	8.0	4.4	12	500	770	4	94
LMK16UU	LMK16-A	16		28		37		48		6	38	37	4.5	8.0	4.4	12	770	1170	5	134
LMK20UU	LMK20-A	20	0 -0.010	32	0 -0.016	42	0 -0.3	54		8	43	42	5.5	9.5	5.4	15	860	1370	5	180
LMK25UU	LMK25-A	25		40		59		62		8	51	50	5.5.	9.5	5.4	15	980	1560	6	340
LMK30UU		30		45		64		74		10	60	58	6.6	11.0	6.5	15	1560	2740	6	460
LMK35UU		35	0 -0.012	52	0 -0.019	70		82		10	67	64	6.6	11.0	6.5	20	1660	3130	6	795
LMK40UU		40		60		80		96	0 -0.3	13	78	75	9.0	14.0	8.6	20	2150	4010	6	1054
LMK50UU		50		80		100		116		13	98	92	9.0	14.0	8.6	20	3820	7930	6	2200
LMK60UU		60	0 -0.015	90	0 -0.022	110		134		18	112	106	11.0	17.5	10.8	25	4700	9990	6	2960
LMK80UU		80		120		140		164		18	142	136	11.0	17.5	11.1	25	10130	12000	6	4900

★1 Dynamic load rating is based on the nominal life of 50㎞
In case of 100㎞, C on the table need to be divided by 1.26
Ex) 50㎞ basic dynamic load rating(C) of LMK12 = 410N
100㎞ basic dynamic load rating(C_{100}) of LMK12 = 410/1.26 = 325.40N
★2 Based on the weight of resin retainer
★3 Main unit : ㎜
★4 1N ≒ 0.102kgf