

for YOU and YOUR customer

LINEAR BUSHING

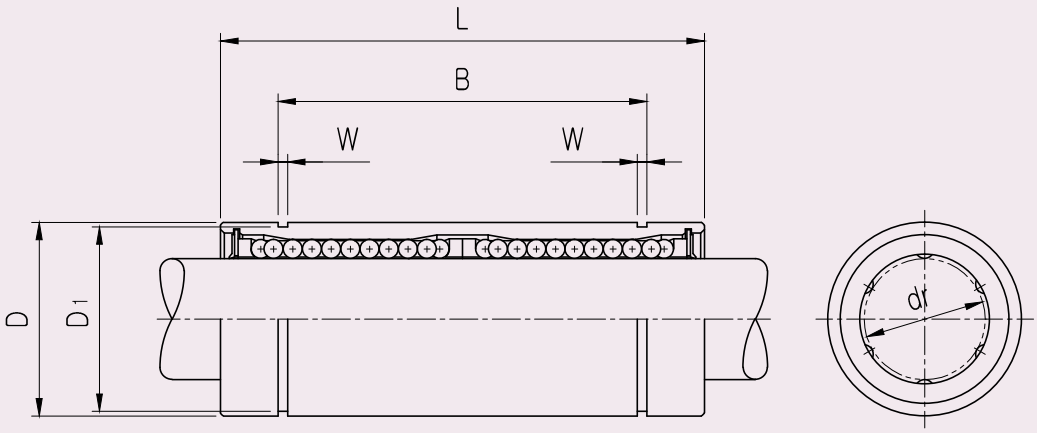
by **SAMICK**

SAMICK PRECISION IND.CO.,LTD.

CATALOG NO. 1501E

LM_L LONG LINEAR BUSHING

Drawing



Part Number Notation

LM 20 L UU - A N S

- SAMICK Linear Bushing
- Nominal Shaft Diameter
- Linear Bushing Long Type (for high load)
- Seal

Blank	No Seal
UU	Both Side Seal
U	One Side Seal

- Retainer (material)

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

- Outer-sleeves (by corrosion resistance)

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

- Ball type (material)

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



★1 Steel retainer applicable from LM6L to LM25L only
(LM8SL applicable with resin retainer only)

LM_L LONG LINEAR BUSHING

PART NUMBER		WORKING BORE DIAMETER		D		L		B		W	D_1	BASIC LOAD RATING(N)*4		NO. OF BALL ROW	WEIGHT (gf)*2
Resin	Steel	dr. (mm)	CLEARNCE(mm)	mm	CLEARNCE(mm)	mm	CLEARNCE(mm)	mm	CLEARNCE(mm)			DYNAMIC (C)*1	STATIC (Co)		
LM6LUU	LM6L-A	6	0 -0.010	12	0 -0.013	35	0 -0.3	27	0 -0.3	1.1	11.5	320	520	4	16
LM8LUU	LM8L-A	8		15		45		35		1.1	14.3	430	780	4	31
LM10LUU	LM10L-A	10		19	0 -0.016	55		44		1.3	18	580	1100	4	62
LM12LUU	LM12L-A	12		21		57		46		1.3	20	650	1200	4	80
LM13LUU	LM13L-A	13		23		61		46		1.3	22	810	1570	4	90
LM16LUU	LM16L-A	16		28		70		53		1.6	27	1230	2350	5	145
LM20LUU	LM20L-A	20	0 -0.012	32	0 -0.019	80		61		1.6	30.5	1400	2750	5	180
LM25LUU	LM25L-A	25		40		112	0 -0.4	82	0 -0.4	1.85	38	1560	3140	6	440
LM30LUU		30		45		123		89		1.85	43	2490	5490	6	580
LM35LUU		35	0 -0.015	52	0 -0.022	135		99		2.1	49	2650	6470	6	795
LM40LUU		40		60		154		121		2.1	57	3430	8040	6	1170
LM50LUU		50		80		192		148		2.6	76.5	6080	15900	6	3100
LM60LUU		60	0 -0.020	90	0 -0.025	211		170		3.15	86.5	7650	20000	6	3500

★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 LM12L = 650N
100㎞ basic dynamic load rating(C_{100}) LM12L = 650/1.26 = 515.87N
★2 Based on the weight of resin retainer
★3 Main unit : ㎜
★4 1N ≒ 0.102kgf