

for YOU and YOUR customer

LINEAR BUSHING

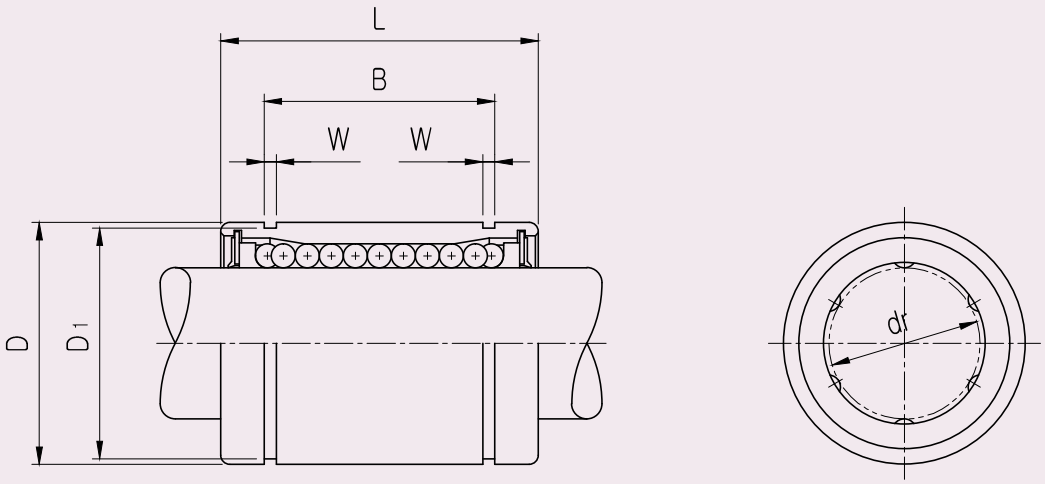
by **SAMICK**

SAMICK PRECISION IND.CO.,LTD.

CATALOG NO. 1501E

LM CLOSED LINEAR BUSHING

Drawing



Part Number Notation

LM 20 UU - A N S

- SAMICK Linear Bushing
- Nominal Shaft Diameter
- 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 LM6 to LM25 only
(LM8S applicable with resin retainer only)

LM CLOSED 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*5	dr. (mm)	CLEARNCE(mm)	mm	CLEARNCE(mm)	mm	CLEARNCE(mm)	mm	CLEARNCE(mm)			DYNAMIC (C)*1	STATIC (Co)		
LM5UU		5	0 -0.008	10	0 -0.008	15	0 -0.12	10.2		1.1	9.6	167	206	4	4
LM6UU	LM6-A	6		12		19		13.5		1.1	11.5	200	260	4	8
LM8SUU		8		15	0 -0.011	17		11.5		1.1	14.3	170	220	4	11
LM8UU	LM8-A	8		15		24		17.5		1.1	14.3	260	400	4	16
LM10UU	LM10-A	10	0 -0.009	19		29		22.0	0 -0.2	1.3	18	370	540	4	30
LM12UU	LM12-A	12		21		30	0 -0.2	23.0		1.3	20	410	590	4	31.5
LM13UU	LM13-A	13		23	0 -0.013	32		23.0		1.3	22	500	770	4	43
LM16UU	LM16-A	16		28		37		26.5		1.6	27	770	1170	5	69
LM20UU	LM20-A	20		32		42		30.5		1.6	30.5	860	1370	5	87
LM25UU	LM25-A	25	0 -0.010	40	0 -0.016	59		41.0		1.85	38	980	1560	6	220
LM30UU		30		45		64		44.5		1.85	43	1560	2740	6	250
LM35UU		35		52		70		49.5		2.1	49	1660	3130	6	390
LM40UU		40	0 -0.012	60	0 -0.019	80	0 -0.3	60.5	0 -0.3	2.1	57	2150	4010	6	585
LM50UU		50		80		100		74.0		2.6	76.5	3820	7930	6	1580
LM60UU		60	0 -0.015	90	0 -0.022	110		85.0		3.15	86.5	4700	9990	6	2000
LM80UU		80		120		140	0 -0.4	105.5	0 -0.4	4.15	116	10130	12000	6	4100

★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 LM12 = 410N
100㎞ basic dynamic load rating(C_{100}) of LM12 = 410/1.26 = 325.40N
★2 Based on the weight of resin retainer
★3 Main unit : ㎜
★4 1N ≒ 0.102kgf
★5 Steel retainer applicable from LM6 to LM25 only (LM8S resin retainer only)