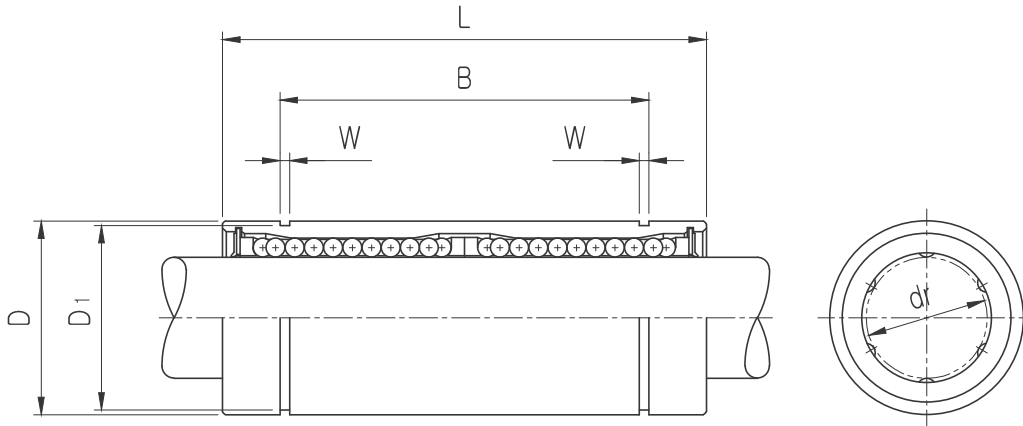


LM_L LONG LINEAR BUSHING

● 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)	CLEAR NCE(mm)	mm	CLEAR NCE(mm)	mm	CLEAR NCE(mm)	mm	CLEAR NCE(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	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	0 -0.4	61	0 -0.4	1.6	30.5	1400	2750	5	180
LM25LUU	LM25L-A	25		40		112		82		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	0 -0.4	99	0 -0.4	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		90		211		170		3.15	86.5	7650	20000	6	3500

- ★1 Dynamic load rating is based on the nominal life of 50km
In case of 100km, C on the table need to be divided by 1.26
Ex) 50km basic dynamic load rating(C) of LM12L = 650N
100km basic dynamic load rating(C₁₀₀) LM12L = 650/1.26 = 515.87N
- ★2 Based on the weight of resin retainer
- ★3 Main unit : mm
- ★4 1N ≙ 0.102kgf

