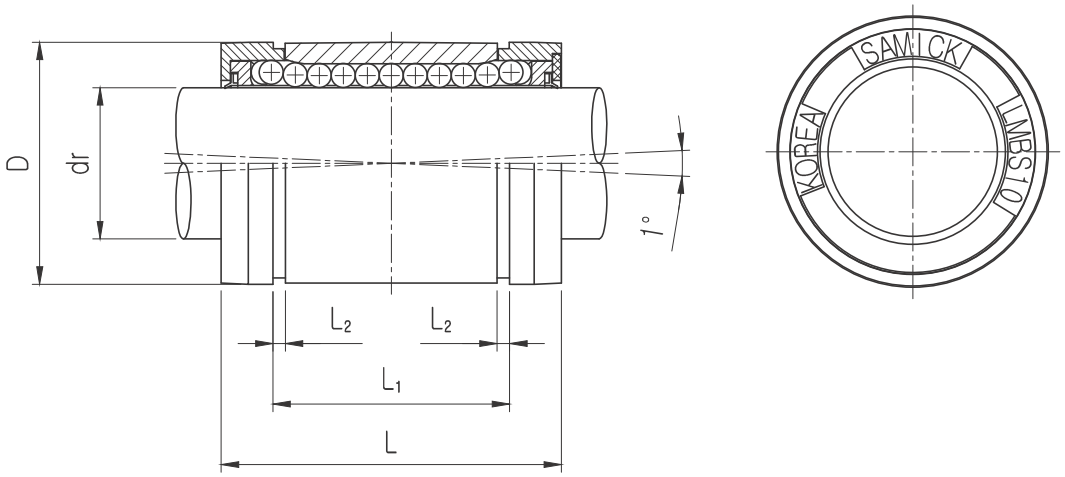
LMBS Self-Aligning Linear Bushing

Drawing



Part Number Notation

LMBS 20 UU - N S

- LMBS: Self-aligning Linear Bushing(inch type)
- 20: Nominal Shaft Diameter
- UU: Seal

Blank	No Seal
UU	Both Side Seal
U	One Side Seal

- N: Corrosion resistance type

Blank	No-plaiting(Standard)
N	Electroless nickel plating
C	Chrome plating
M ★1	Stainless steel

- S: Ball type (material)

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

★1 LMBS 4·6·8 Only

LMBS Self-Aligning Linear Bushing

PART NUMBER	WORKING dr.		D *1	L	L_1	L_2	BASIC LOAD RATING(N)		NO. OF BALL CIRCUIT	WEIGHT (gf)
	dr. (inch)	BORE DIAMETER CLEARANR	inch			min	DYNAMIC (C)*2	STATIC (Co)		
LMBS4UU	0.2500	0 -0.0005	0.5000	0.750/0.735	0.511/0.501	0.039	57	49	4	0.01
LMBS6UU	0.3750		0.6250	0.875/0.860	0.699/0.689	0.039	78	66	4	0.02
LMBS8UU	0.5000		0.8750	1.250/1.230	1.032/1.012	0.050	210	190	4	0.05
LMBS10UU	0.6250		1.1250	1.500/1.480	1.105/1.095	0.056	290	340	5	0.08
LMBS12UU	0.7500		1.2500	1.625/1.605	1.270/1.250	0.056	500	430	6	0.14
LMBS16UU	1.0000		1.5625	2.250/2.230	1.884/1.864	0.070	820	780	6	0.29
LMBS20UU	1.2500	0 -0.0006	2.0000	2.625/2.600	2.004/1.984	0.068	1240	1270	6	0.40
LMBS24UU	1.5000		2.3750	3.000/2.970	2.410/2.390	0.086	1510	1540	6	0.80
LMBS32UU	2.0000	0 -0.0008	3.0000	4.000/3.960	3.193/3.163	0.105	2230	2580	6	1.38

★1 Based on nominal housing bore
★2 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㎞ basis dynamic load rating of LM12 C = 500 ℓ bf
100㎞ basis dynamic load rating of LM12 C_{100} = 500 / 1.26 = 396.83 ℓ bf
★3 Main unit : inch
★4 LMBS4, 6, 8 only with stainless steel ball plate
★5 1 ℓ bf = 0.453kgf