

Linear Bushings(Straight)

◀ Short
◀ Medium



Code	Type	Outer Cylinder Material		Outer Cylinder		Balls	Retainer	Seal	Ambient Operating Temp.
		GB	Equiv.	Hardness	Surface Treatment	Material	Material	Material	
LMD01	Short	GCr15	SUJ2	56HRC~	—	GCr15	Plastic	Nitrile Rubber	-15~80℃
LMD11	Medium				—				
LMD12					Electroless Nickel Plating				

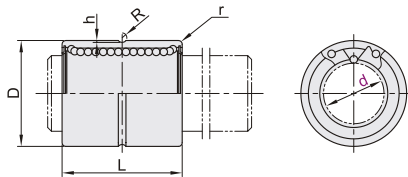
Product Features

- The product has high precision, shorter in length (L) than standard type, is suitable for space-saving design in the axial direction.
- Low friction, low noise, good durability, and small space occupation.
- Outer Cylinder, Balls as SUJ2 material, equivalent GCr15.
- Retainer material is equivalent to DURACON M90.

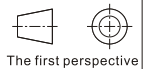
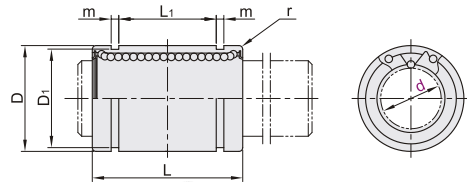
① It is recommended that linear bearings to be used in conjunction with guide shafts (standard g6 tolerance) produced by our company.

① If there is a requirement for anti-rust performance, please choose nickel-plating products firstly!

Short
LMD01



Medium
LMD11
LMD12



The first perspective

Short

Part Number		D		L		R	h	r	Eccentricity (Max)	Rows of Balls	Basic Load Rating(N)		Mass (g)
Code	d	Dimension									C(Dynamic)	Co(Static)	
LMD01	6	12		16		1	0.3	0.4	0.012	4	103	154	7
	8	15	$0_{-0.011}^0$	20							147	206	15
	10	19	$0_{-0.009}^0$								278	343	26
	12	21		25	$0_{-0.2}^0$	1.2	0.4				335	443	29
	13	23	$0_{-0.013}^0$					0.8			335	443	36
	16	28		30		1.5	0.5		0.015	5	491	725	60
	20	32	$0_{-0.010}^0$	35							775	1078	82

① 1Kgf=9.81N

Medium

Part Number		D		L	L1	m	D1	r	Eccentricity (Max)	Rows of Balls	Basic Load Rating(N)		Allowable Static Moment(N·m)	Mass (g)
Code	d	Dimension									C(Dynamic)	Co(Static)		
LMD11 LMD12	6	12	$0_{-0.013}^0$	29	20	1.1	11.5	0.4	0.015	4	206	307	1.40	12
	8	15	$0_{-0.018}^0$	37	25		14.3				294	411	2.10	27
	10	19	$0_{-0.010}^0$			0.5	18				555	686	4.35	49
	12	21	$0_{-0.016}^0$	47	30		20				670	885	6	54
	16	28		56	35		27	0.8	0.020	5	981	1449	13	112
	20	32		65	40	1.6	30.5				1550	2156	18	152
	25	40	$0_{-0.012}^0$	83	55	0.6	38				2158	3240	25	332
	30	45	$0_{-0.019}^0$	90	71.3	1.85	42.5	2.0			2716	3674	42.7	422

① 1Kgf=9.81N

Medium

Part Number		D
Code	d	
LMD11	8	12
LMD12	8	15

LMD11 — d6



Please order as shown



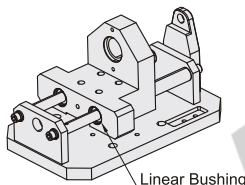
Discount price
Per 1~19 20~
Price 100% Additional quotation



Delivery
6



Example



Linear Bushing

Short vs. standard length size comparison table

d	Length Size (L)		
	Standard	Short	Difference
6	19	16	-3
8	24	20	-4
10	29		-4
12	30	25	-5
13	32		-7
16	37	30	-7
20	42	35	-7

① Features: The length size (L) is shorter and is suitable for the axial space-saving design.

Medium vs. Single type /Double Type length size comparison table

d	Length Size (L)		
	Single	Medium	Double
6	19	29	35
8	24	37	45
10	29		55
12	30	47	57
16	37	56	70
20	42	65	80
25	59	83	112
30	64	90	123

① Features: Length size (L) is between Single type and Double type (Body length is approximately 1.5 times of single type) Suitable for applications where there is not enough space for double type.