

Single ▶
Double ▶

Linear Bushings(Straight)



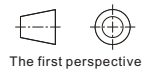
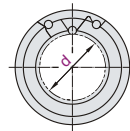
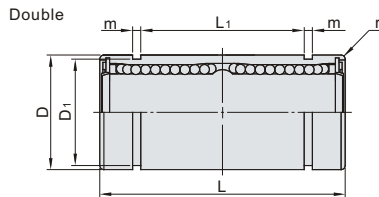
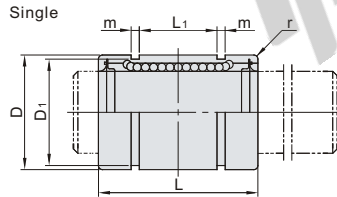
Code	Type	Material		Outer Cylinder Hardness	Surface Treatment	Balls Material	Retainer Material	Seal Material	Ambient Operating Temp.
		GB	Equiv.						
LMC01	Single	GCr15	SUJ2	56HRC~	Electroless Nickel Plating	GCr15	Plastic	No Seal	-15~80°C
LMC02								Nitrile Rubber	
LMC11								No Seal	
LMC12	Double				Electroless Nickel Plating			Nitrile Rubber	
LMC13									

Product Features

- High precision product.
- 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.

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

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



Single

Part Number Code	d	D			L		L1	m	D1	r	Eccentricity (Max)	Rows of Balls	Basic Load Rating(N)		Mass (g)
		Dimension	No Surface Treatment	Surface Treatment									C(Dynamic)	Co(Static)	
No Seal LMC01	4	8	0	0	12	0	—	—	—	0.3	0.007	4	82	137	1.9
	5	10	0	0	15	0	8	—	9.6	0.4	0.011		164	241	3.9
	6	12	0	0	19	0	11.3	1.1	11.5	0.8	0.014		204	299	8.3
	8	15	0	0	24	0	15.3	—	14.3	—	—		263	405	15
	10	19	0	0	29	0	19.4	—	18	—	—		400	440	30
With Seal LMC02 LMC03	12	21	0	0	30	0	20.4	0.4	20	—	—	5	412	442	40
	13	23	0	0	32	0	20.4	—	22	0.8	—		448	496	45
	16	28	0	0	37	0	23.3	1.6	27	—	—		796	1021	70
	20	32	0	0	42	0	27.3	—	30.5	—	—		859	1345	95
	25	40	0	0	59	0	37.3	1.85	38	—	0.014	6	1095	2046	235
	30	45	0	0	64	0	40.8	—	43	—	—		1529	2676	260
	35	52	0	0	70	0	45.3	0.5	49	1.5	0.019		1661	3026	420
	40	60	0	0	80	0	56.3	—	57	—	—		2259	4777	650
	50	80	0	0	100	0	68.8	2.6	76.5	—	—		4608	8644	1695

1Kg=9.81N

Double

Part Number Code	d	D			L	L1	m	D1	r	Eccentricity (Max)	Rows of Balls	Basic Load Rating(N)		Allowable Static Moment(N·m)	Mass (g)
		Dimension	No Surface Treatment	Surface Treatment								C(Dynamic)	Co(Static)		
No Seal LMC11	4	8	0	0	23	—	—	—	0.3	0.009	4	157	262	0.60	4.5
	5	10	0	0	28	18.2	—	9.6	0.4	0.014		267	476	1.35	10
	6	12	0	0	35	24.8	1.1	11.5	—	—		331	551	2.15	15
	8	15	0	0	45	32.8	—	14.3	—	—		466	777	4.30	30
	10	19	0	0	55	41.4	0.5	18	—	—		649	879	7.20	60
With Seal LMC12 LMC13	12	21	0	0	57	43.4	1.3	20	—	—	5	670	885	10.5	75
	13	23	0	0	61	43.4	—	22	0.8	—		728	991	11.5	85
	16	28	0	0	70	49.8	1.6	27	—	—		1247	2041	19.5	140
	20	32	0	0	80	57.8	—	30.5	—	—		1453	2689	26.5	175
	25	40	0	0	112	78.3	1.85	38	—	0.019	6	1779	4092	43.0	435
	30	45	0	0	123	85.3	—	43	—	—		2484	5352	82.5	475
	35	52	0	0	135	94.8	0.6	49	1.5	0.024		2698	6051	105	790
	40	60	0	0	151	116.8	2.1	57	—	—		3670	9555	145	1165
	50	80	0	0	192	142.8	2.6	76.5	—	—		7485	17287	395	2095

1Kg=9.81N



Please order as shown

Single

Part Number	d	D
LMC01	4	8
LMC02	5	10

LMC01—d4

Double

Part Number	d	D
LMC11	6	12
LMC12	8	15

LMC11—d6



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



Delivery
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Note for use of linear bearings:

- When installing the shaft, it is necessary to ensure that the shaft core and the inner bore of the linear bearing are parallel, and do not install at an inappropriate angle.
- When pressing the linear bearing into the bearing seat, do not directly hit the side retainer ring of the outer tube and the oil seal, and dedicated tools are needed to drive it evenly.
- Due to the structural characteristics, linear bearings are only used for linear motion and are not suitable for rotary motion. Otherwise, the service life of linear bearings will be affected, and unexpected accidents will occur.



Example

