

Flanged Linear Bushings

Medium • Counterbore Standard Type



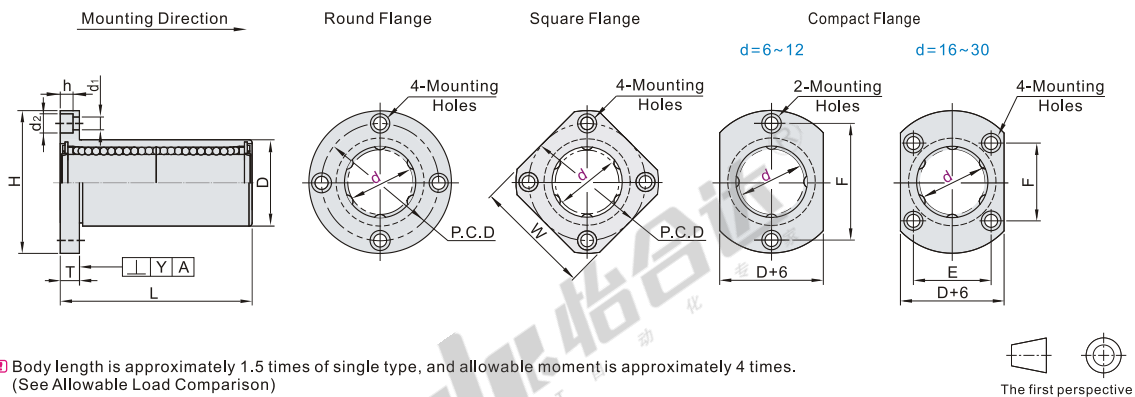
Code	Type	Outer Cylinder Material		Outer Cylinder		Balls	Retainer	Seal	Ambient Operating Temp.
		GB	Equiv.	Hardness	Surface Treatment				
LMF01	Round Flange				—				
LMF02	Flange				Electroless Nickel Plating				
LMF11	Square Flange	GCr15	SUJ2	56HRC	—	GCr15	Plastic	Nitrile Rubber	-15 ~ 80°C
LMF12	Flange				Electroless Nickel Plating				
LMF21	Compact Flange				—				
LMF22	Flange				Electroless Nickel Plating				

Product Features

- The product has high precision, low friction, and good durability. The length (L) is between the single bushing type and the double bushings Type (about 1.5 times the length of the single bushing type), suitable for space-saving design applications for non-double bushing type.
- Flanged linear bearings make axial positioning easier and can be installed quickly without adding a bearing seat.
- The existence of the flange makes the bearing more stable during installation and can be better fixed on the mechanical structure.
- Flanged linear bearings can reduce bearing displacement or instability caused by installation tolerance. The flange provides a Fixed reference point, which makes the installation of the bearing more precise and controllable.
- 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!



Body length is approximately 1.5 times of single type, and allowable moment is approximately 4 times.
(See Allowable Load Comparison)

The first perspective

Part Number		D			L	H	T	d ₁	d ₂	h	P.C.D	W	E	F	Eccentricity (Max)	Rows of Balls	Perpendicularity Y
Code	d	Dimension	No Surface Treatment	Surface Treatment													
Round Flange	6	12	0	0	29	28	5	3.5	6	3.1	20	22	20				
LMF01	8	15	-0.013	-0.018	37	32					24	25	24				
LMF02	10	19	0		47	40					29	30	29	0.015	4	0.015	
Square Flange	12	21	-0.016	-0.021	56	42	6	4.5	7.5	4.1	32	32	32				
LMF11	16	28			±0.3	48					38	37	22	31			
LMF12	20	32			65	54					43	42	24	36		5	
Compact Flange	25	40	0	0	83	62	8	5.5	9	5.1	51	50	32	40	0.020	6	0.020
LMF21	30	45	-0.019	-0.025	90	74	10	6.6	11	6.1	60	58	35	49			
LMF22																	

Part Number		Basic Load Rating(N)		Allowable Static Moment (N•m)	Mass(g)		
Code	d	C(Dynamic)	Co(Static)		Round Flange	Square Flange	Compact Flange
Round Flange	6	206	307	1.40	27	21	24
LMF01	8	294	411	2.10	47	40	45
LMF02	10	555	686	4.35	85	65	77
Square Flange	12	670	885	6.2	90	70	81
LMF11	16	981	1449	13.1	157	132	150
LMF12	20	1550	2156	18.3	232	197	220
Compact Flange	25	2158	3240	25.3	479	440	450
LMF21	30	2716	3674	42.7	559	481	492

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	47	55
12	30	57	
16	37	56	70
20	42	65	80
30	64	90	123

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 no enough space for double type.

Allowable Load Comparison

Type	Basic Dynamic Load Rating	Basic Static Load Rating	Allowable Static Moment(N•m)
Short	0.7	0.6	≈0.6
Single	1	1	1
Medium	1.4	1.3	≈4
Double	1.6	2	≈6



Please order as shown

Part Number		D
Code	d	
LMF01	6	12
LMF02	8	15

LMF01 — d6



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



Delivery	
	6



Example

