



Code	Type	Outer Cylinder				Balls Material	Retainer Material	Seal Material	Ambient Operating Temp.
		Material		Hardness	Surface Treatment				
LMP02	Round Flange	GCr15	SUJ2	56HRC~	Electroless Nickel Plating	GCr15	Plastic	Nitrile Rubber	-15~80°C
LMP12	Square Flange								
LMP22	Compact Flange								

Product Features

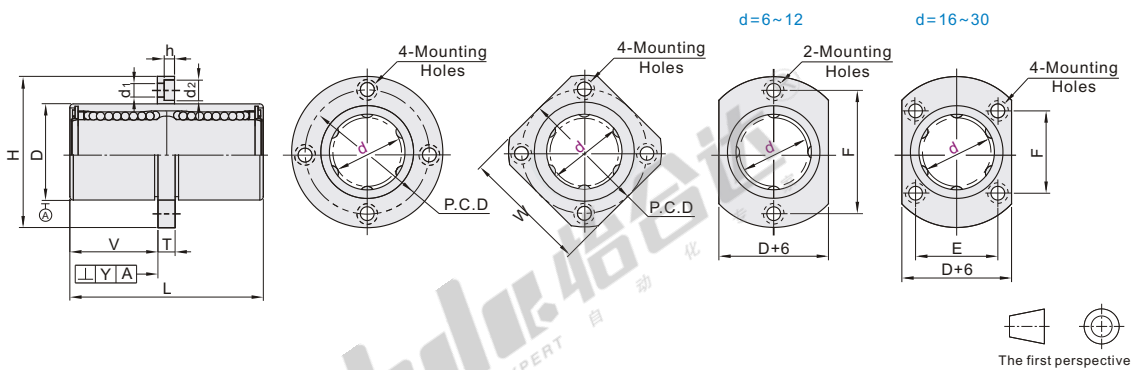
- The product has high precision, low friction, and good durability. The intermediate flanged linear bearing has a flange located in the middle, which can provide more convenient linear positioning and guiding functions.
- The length (L) of medium type is between the single bushing type and the double 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.

Round Flange
LMP02

Square Flange
LMP12

Compact Flange
LMP22



Part Number		D	L	V	H	T	d ₁	d ₂	h	P.C.D	W	E	F	Eccentricity	Rows of Balls	Perpendicularity Y	Basic Load Rating(N)			Allowable Static Moment (N·m)			Mass(g)		
Code	d																C(Dynamic)	Co(Static)		N·m			Round Flange	Square Flange	Compact Flange
Round Flange LMP02	6	12	29	12	28	5	3.5	6	3.1	20	22		20				206	307	1.4	27	21	24			
	8	15	37	16	32	6	4.5	7.5	4.1	24	25		24				294	411	2.1	47	40	45			
	10	19	47	20.5	40	8	5.5	9	5.1	29	30		29	0.015	4	0.015	555	686	4.35	85	65	77			
Square Flange LMP12	12	21	48	25	42	10	6.6	11	6.1	32	32		32				670	885	6.2	90	70	81			
	16	28	56	25	48	12	7.5	13	7.1	38	37	22	31				981	1449	13.1	157	132	150			
	20	32	65	28.5	54	14	8.5	15	8.1	43	42	24	36				1550	2156	18.3	232	197	220			
Compact Flange LMP22	25	40	83	37.5	62	16	10	17	10.1	51	50	32	40	0.02	6	0.02	2158	3240	25.3	479	440	452			
	30	45	90	40	74	18	12	19	12.1	60	58	35	49				2716	3674	42.7	558	480	490			

1 Kg=9.81N

Comparison table of Medium Type and Double Type lengths

d	Length size(L)	
	Medium	Double
6	29	35
8	37	45
10	47	55
12	48	57
16	56	70
20	65	80
25	83	112
30	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)
Medium	1.4	1.3	≈4.3
Double	1.6	2	≈6



Please order as shown

Part Number		D
Code	d	
LMP02	20	32
LMP12	25	40

LMP02 — d20



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



Delivery	
Per	Price
1~19	100%
20~	Additional quotation.