

Code	Type		Outer Cylinder			Balls Material	Retainer Material	Seal Material	Ambient Operating Temp.	
			Material		Hardness					Surface Treatment
			GB	Equiv.						
LMK02	Medium	Round Flange	GCr15	SUJ2	56HRC~	Electroless Nickel Plating	GCr15	Plastic	Nitrile Rubber	-15~80℃
LMK12		Square Flange								
LMK22		Compact Flange								



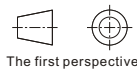
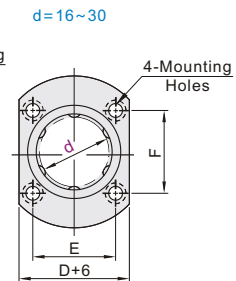
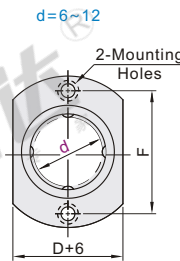
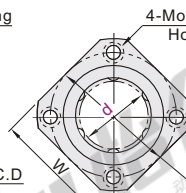
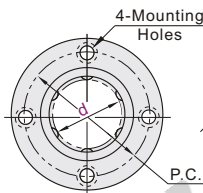
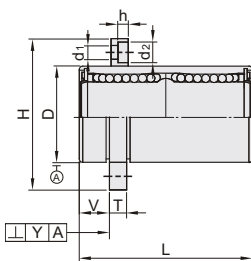
## Product Features

- The product has high precision, low friction, and good durability. Linear bearings with guide end can provide more convenient linear positioning and guiding functions through the design of the guide end (end for guidance).
  - 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 be used in conjunction with guide shafts (standard g6 tolerance) produced by our company.

Round Flange  
LMK02

Square Flange  
LMK12

Compact Flange  
LMK22



The first perspective

Part Number		D	L	V	H	T	d <sub>1</sub>	d <sub>2</sub>	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)		Round Flange	Square Flange	Compact Flange
Round Flange LMK02	6	12	29	5	28	5	3.5	6	3.1	20	22	20					206	307	1.4	27	21	24
	8	15	37		32	6	4.5	7.5	4.1	24	25	24					294	411	2.1	47	40	45
	10	19	47		40					29	30	29	0.015	4	0.015		555	686	4.35	85	65	77
Square Flange LMK12	12	21	47	±0.3	6	42	6	4.5	7.5	32	32	32					670	885	6.2	90	70	81
	16	28	56		48					38	37	22	31				981	1449	13.1	157	132	150
	20	32	65		54	8	5.5	9	5.1	43	42	24	36		5		1550	2156	18.3	232	197	220
Compact Flange LMK22	25	40	83		62					51	50	32	40	0.02	6	0.02	2158	3240	25.3	479	440	452
	30	45	90		74	10	6.6	11	6.1	60	58	35	49				2716	3674	42.7	559	481	492

1Kg=9.81N

## Comparison table of Medium Type and Standard Type lengths

d	Length size(L)		
	Single	Medium	Double
6	19	29	35
8	24	37	45
10	29	47	55
12	30	47	57
16	37	56	70
20	42	65	80
25	59	83	112
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)
Single	1	1	1
Medium	1.4	1.3	≈4.3
Double	1.6	2	≈6



Please order as shown

Part Number		D
Code	d	
LMK02	6	19
LMK12	12	21

LMK02 — d10



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



Delivery	
6	