Flanged Linear Bushings

Double Pilot

Code	Type		Outer Cylinder: Material GB	Material Equiv.	Hardness	Surface Treatment	Balls Material	Retainer Material	Seal Material	Ambient Operating Temp.
LML01	Double	Round Flange	GCr15	SUJ2	56HRC~	—	GCr15	Plastic	Nitrile Rubber	-15~80°C
LML02						Electroless Nickel Plating				
LML11		Square Flange				—				
LML12						Electroless Nickel Plating				
LML21		Compact Flange				—				
LML22						Electroless Nickel Plating				

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 double-circulation structure design product is longer in size,can withstand greater forces and instantaneous Impact loads,and has higher static and dynamic load capabilities.
- 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!

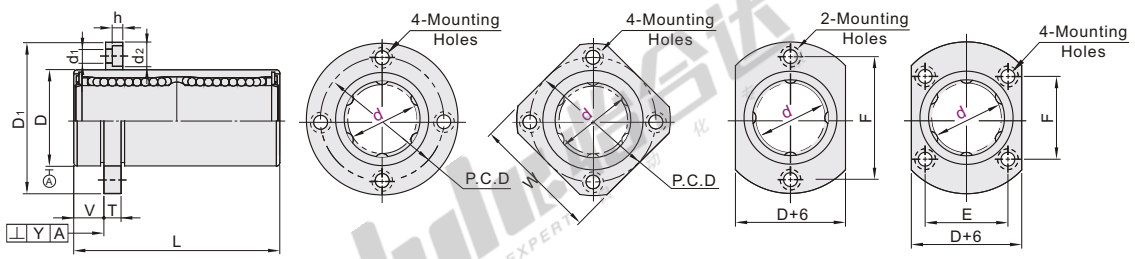
Round Flange
LML01
LML02

Square Flange
LML11
LML12

Compact Flange
LML21
LML22

d=6~13

d=16~50



The first perspective

Part Number Code	d	D Dimension	No Surface Treatment	Surface Ttreatment	L	V	D1	T	d1	d2	h	P.C.D	W	E	F	Eccentricity	Perpendicularity Y	Allowable Static Moment (N•m)	Basic Load Rating(N) C(Dynamic)	Co(Static)	Mass(g) Round Flange	Square Flange	Compact Flange
	6	12	0 -0.013	0 -0.018	35	5	28	5	3.5	6	3.1	20	22		20			2.15	256	418	30	20	25
	8	15			45		32					24	25		24			4.3	398	608	50	40	45
	10	19	0 -0.010		55	6	40	6	4.5	7.5	4.1	29	30	—	29	0.014	0.014	7.2	692	940	95	75	85
Round Flange LML01 LML02	12	21		0 -0.016	0 -0.021	57		42					32	32		32			10.5	832	1206	105	85	100
	13	23			61		43					33	34		33			11.5	947	1445	125	105	120
Square Flange LML11 LML12	16	28			70	±0.3	48					38	37	22	31			19.5	1155	1829	185	160	180
	20	32			80	8	54	8	5.5	9	5.1	43	42	24	36			26.5	1725	2513	255	220	245
Compact Flange LML21 LML22	25	40	0 -0.012	0 -0.019	0 -0.025	112		62					51	50	32	40	0.019	0.019	43	2188	3304	535	495	520
	30	45				123	10	74	10	6.6	11	6.1	60	58	35	49			82.5	3546	5379	675	585	640
	35	52				135		82					67	64	38	55			105	3678	5659	1020	930	940
	40	60	0 -0.015	0 -0.022	0 -0.030	151	13	96	13	9	14	8.1	78	75	45	64	0.025	0.025	145	5043	7531	1550	1380	1420
	50	80				192		116					98	92	56	80			395	10031	15534	3600	3400	3430

Kgf=N×0.101972

Please order as shown

Part Number Code	d		D
LML01 LML02	25 30	0 -0.012	40 45

LML01 — d25

Discount price

Per	1~19	20~
Price	100%	Additional quotation

Delivery 6

Features of Piloted Linear Bearings with Flange:

- No bearing seat is needed during installation, making axial positioning easily.

Notes for use:

- When foreign matter enters the linear bearing, it may cause damage or function of the steel ball circulating parts Loss, please prevent foreign matter such as dust and cutting from entering the bearing.
- Please avoid using it above 80°C.
- Dropping or improperly hitting the linear bearing may cause damage. Please be careful.
- If an external force is applied, even if the appearance is not damaged, the function may be lost.
- Please wipe the anti-rust oil carefully and seal it with lubricant before using.
- When storing, please put it in the designated envelope to avoid high temperature, low temperature and high humidity environment.