Code	Type		Outer Cylinder			Surface Treatment	Balls Material	Retainer Material	Seal Material	Ambient Operating Temp.
			Material		Hardness					
			GB	Equiv.						
LMQ01	Double	Round Flange	GCr15	SUJ2	56HRC~	—	GCr15	Plastic	Nitrile Rubber	-15~80°C
LMQ02						Electroless Nickel Plating				
LMQ11		Square Flange				—				
LMQ12						Electroless Nickel Plating				
LMQ21		Compact Flange				—				
LMQ22						Electroless Nickel Plating				

⬤ Product Features
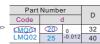
● The product has high precision,low friction,and good durability.The intermediate flanged linear bearing has a flange Located in the middle,which can provide more convenient linear positioning and guiding functions.

● The 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	Square Flange	Compact Flange
LMQ01	LMQ11	LMQ21
LMQ02	LMQ12	LMQ22

The first perspective

Part Number		D			L	V	H	T	d_1	d_2	h	P.C.D	W	W_1 (max)	E	F	Eccentricity	Perpendicularity Y
Code	d	Dimension	No Surface Treatment	Surface Treatment														
Round Flange LMQ01 LMQ02 Square Flange LMQ11 LMQ12 Compact Flange LMQ21 LMQ22	6	12	0 -0.013	0 -0.018	35	15	28	5	3.5	6	3.1	20	22	18		20	0.014	0.014
	8	15			45	20	32					24	25	21		24		
	10	19			55	24.5	40					29	30	25	—	29		
	12	21	0 -0.016	0 -0.021	57	25.5	42	6	4.5	7.5	4.1	32	32	27		32		
	13	23			61	27.5	43					33	34	29		33		
	16	28			70	32	48					38	37	34	22	31		
	20	32			80	36	54	8	5.5	9	5.1	43	42	38	24	36		
	25	40	0 -0.019	0 -0.025	112	52	62					51	50	46	32	40	0.019	0.019
	30	45			123	56.5	74	10	6.6	11	6.1	60	58	51	35	49		
	35	52			135	62.5	82					67	64	58	38	55		
	40	60	0 -0.022	0 -0.030	151	69	96	13	9.4	14	8.1	78	75	66	45	64	0.024	0.024
	50	80			192	89.5	116					98	92	86	56	80		

(d tolerance column: 6–13: 0/-0.010; 16–20: 0/-0.012; 25–35: 0/-0.012; 40–50: 0/-0.014)

(L for 16: ±0.3)

🛈 1Kgf=9.81N

Please order as shown

Part Number		D
Code	d	
LMQ01	20	0 -0.012 32
LMQ02	25	40

LMQ01 — d20

Discount price

Per	1~19	20~
Price	100%	Additional quotation

Delivery 6