

Linear Bushings - Standard

- C-VALUE Single -

■ Features: The most common specification of Linear Bushing.

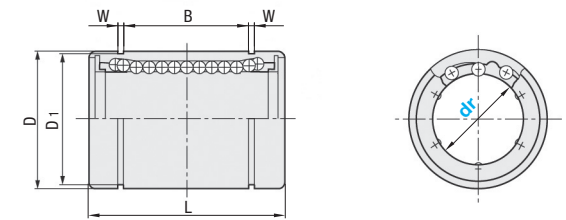
Ordering Example **Part Number**
C-LMU6

■ Single



CAD 2D 3D

Type	Outer Cylinder Material Hardness	Ball Material	Retainer Material	Ambient Operating Temp.	Accessory
C-LMU	EN 1.3505 Equiv. 58HRC~	EN 1.3505 Equiv.	Plastic	-20~80°C	Seal Material Nitrile Rubber



Type	Part Number		D		L		B		W	D1	Eccentricity (Max.)	Rows of Balls	Mass (g)
	dr	Tolerance	Tolerance	Tolerance	Tolerance	Tolerance							
C-LMU	3	+0.003 -0.011	7	+0.006 -0.011	10	+0.1 -0.2	-	-	-	-	0.016	4	1.4
	4		8		12		-		-	2			
	5		10		15		8		9.6	4			
	6		12		19		11.3		11.5	8.5			
	8	15	24	15.3	14.3	17							
	10	19	29	19.4	18	31							
	12	21	30	20.4	20	41							
	13	23	32	23.3	22	46							
	16	28	37	27.3	27	73							
	20	32	42	37.3	30.5	98							
	25	40	59	40.8	38	236							
	30	45	64	45.3	43	262							
	35	52	70	56.3	49	425							
	40	60	80	68.8	57	654							
	50	80	100		76.5	1700							

⚠ No seal for dr=3 and 4. No-Seal Type has lower sliding resistance (0.4 - 1.2N) and moves smoothly. To prevent intrusion of dust on sliding contact surface, dust resistance measures should be taken separately.
 ⚠ Spacers and Holding Plates for linear bushings can be selected from P.238.
 ⚠ For Precautions for Use, refer to P. 221.

Basic Load Rating

dr	Basic Load Rating	
	C (Dynamic) N	Co (Static) N
3	69	105
4	88	127
5	167	206
6	206	265
8	265	380
10	372	549
12	412	598
13	510	784
16	775	1180
20	882	1370
25	980	1570
30	1570	2740
35	1670	3140
40	2160	4020
50	3820	7940

kgf=Nx0.101972

Recommended Tolerance of Shaft Dia. and Housing Dia.

dr	Shaft Dia. g6 Tolerance		Housing Dia. Tolerance	
	g6 Tolerance	Housing Dia. Tolerance	g6 Tolerance	Housing Dia. Tolerance
3	-0.002 -0.008	7		
4	-0.004	8	+0.021	+0.006
5	-0.012	10	+0.024	+0.006
6	-0.005	15	+0.027	+0.006
8	-0.014	19		
10	-0.006	21	+0.031	+0.006
12	-0.017	23		
13	-0.017	28		
16	-0.007	32		
20	-0.020	40	+0.036	+0.006
25	-0.009	45		
30	-0.025	52		
35		60		
40		80		
50				

*The above tolerance is recommended for fitting with shaft and assembly of housing.
 *When using the linear bushings in transfer as a simplified guide, combination with hardened g6 shaft is recommended.
 *Combination of C-VALUE linear bushings and C-VALUE shafts is recommended, when used in transfer or other purposes, which do not place importance on a gap between a linear bushing and linear shaft or sliding properties.



Example <C-VALUE Components>
App. example of conveyor transfer using air cylinder.

