


# Linear Bushings - Standard

## - C-VALUE Single -

■ Features: The most common specification of Linear Bushing.

Ordering Example **Part Number**  
**C-LMU6**

■ Single



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

CAD 2D 3D RoHS

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	+0.003 -0.012	15	+0.006 -0.013	24	+0.2 -0.4	15.3	0 -0.4	1.1	14.3	17		
	10		19		19.4		18		31				
	12		21		30		20.4		1.3	20	41		
	13		23		32		22		22	46			
	16	28	37	23.3	27	73							
	20	+0.003 -0.013	32	+0.006 -0.018	42	+0.2 -0.5	27.3	0 -0.5	1.6	30.5	5	98	
	25		40		59		37.3		38	236			
	30		45		64		40.8		43	262			
	35		52		70		45.3		49	425			
	40	+0.003 -0.015	60	+0.006 -0.021	80	+0.2 -0.5	56.3	0 -0.5	2.1	57	6	654	
	50		80		100		68.8		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	Housing Dia. Tolerance	Housing Dia. Tolerance
3	-0.003	7	+0.021	+0.006
4	-0.004	8	+0.021	+0.006
5	-0.012	10	+0.024	+0.006
6	-0.005	12	+0.024	+0.006
8	-0.014	15	+0.027	+0.006
10	-0.014	19	+0.027	+0.006
12	-0.006	21	+0.031	+0.006
13	-0.017	23	+0.031	+0.006
16	-0.017	28	+0.036	+0.006
20	-0.007	32	+0.036	+0.006
25	-0.020	40	+0.036	+0.006
30	-0.020	45	+0.036	+0.006
35	-0.009	52	+0.036	+0.006
40	-0.025	60	+0.036	+0.006
50	-0.025	80	+0.036	+0.006

\*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.

