

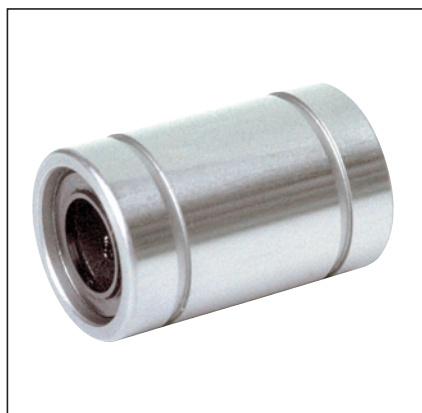
Standard linear bushings

Standard linear bushings, R0600 Closed, no wiper seal stainless

Standard linear bushings, R0602 Closed, with wiper seals stainless

Design

- Hardened and machined outer sleeve made of stainless steel comparable to 1.4125
- Ball retainer made of stainless steel comparable to 1.4301
- Balls made of stainless steel comparable to 1.4125
- Integrated retaining rings made of stainless steel comparable to 1.4006 or wiper seals
- Closed, for self-supporting shafts



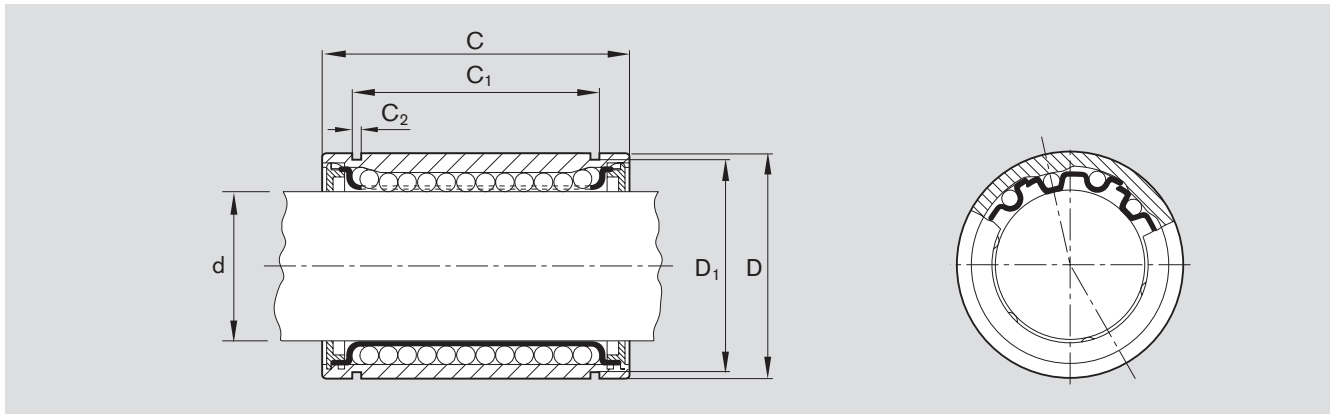
Shaft Ø d (mm)	Material number		Weight (kg)
	No wiper seal KBM- ... -NR	With two wiper seals KBM- ... -DD-NR	
3	R0600 003 30	–	0.001
4	R0600 004 30	–	0.002
5	R0600 005 30	R0602 005 30	0.011
8	R0600 008 30	R0602 008 30	0.022
10	R0600 010 30	R0602 010 30	0.036
12	R0600 012 30	R0602 012 30	0.045
16	R0600 016 30	R0602 016 30	0.060
20	R0600 020 30	R0602 020 30	0.100
25	R0600 025 30	R0602 025 30	0.235
30	R0600 030 30	R0602 030 30	0.360
40	R0600 040 30	R0602 040 30	0.770

Explanation of sample short product name

KB	M	12	DD	NR
Linear bushing	Standard (metal)	Ø 12	With two seals	Stainless steel

See page 96 for more information on short product names.

Dimensions



Dimensions (mm)						Rows of balls	Working bore diameter tolerance (µm)	Radial clearance ¹⁾ h6 shaft (µm)	Load ratings (N)			
Ø d	D	C h12	C ₁ H13	C ₂	D ₁				min.	dyn. C max.	min.	stat. C ₀ max.
3	7	10	-	-	-	4	+8 0	+12 +2	55	65	45	65
4	8	12	-	-	-	4	+8 0	+14 +2	70	80	60	85
5	12	22	14.2	1.10	11.5	4	+11 +1	+16 +4	160	185	180	250
8	16	25	16.2	1.10	15.2	4	+12 +2	+18 +5	210	240	235	330
10	19	29	21.6	1.30	18.0	4	+8 0	+18 +5	300	350	260	370
12	22	32	22.6	1.30	21.0	4	+12 +2	+20 +5	400	460	420	600
16	26	36	24.6	1.30	24.9	4	+14 +2	+22 +5	460	530	440	630
20	32	45	31.2	1.60	30.3	5	+14 +2	+23 +6	680	800	860	1,250
25	40	58	43.7	1.85	37.5	6	+16 +2	+25 +6	780	830	1,620	2,100
30	47	68	51.7	1.85	44.5	6	+16 +2	+25 +6	1,250	1,320	2,000	2,500
40	62	80	60.3	2.15	59.0	6	+19 +2	+30 +7	1,720	1,820	3,300	4,200

1) Determined from working bore diameter and shaft tolerance statistics. Recommended housing bore tolerance: H6 or H7.

The dynamic load ratings are based on a total travel of 100,000 m.
When based on 50,000 m, the C values in the table are multiplied by 1.26.