

Standard linear bushings

Standard linear bushings, R0740 Flanged Normal

Design

- Hardened and machined outer sleeve
- POM ball retainer
- Balls made of rolling bearing steel
- Integrated wiper seals

Standard linear bushings, R0740 Flanged 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, made of POM for shaft diameter 5
- Balls made of stainless steel comparable to 1.4125
- Flange and retaining rings for ball retainer made of stainless steel comparable to 1.4006
- Integrated wiper seals



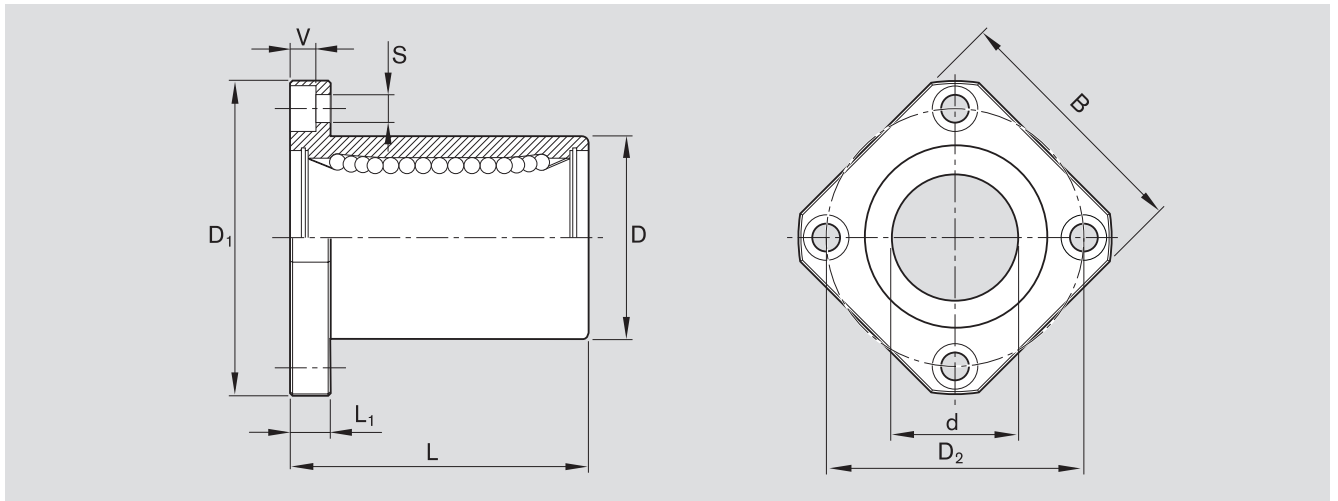
Shaft Ø d (mm)	Material number		Weight (kg)
	Normal KBMF- ... -DD	Stainless KBMF- ... -DD-NR	
5	R0740 505 00	R0740 505 30	0.020
8	R0740 508 00	R0740 208 30	0.033
12	R0740 512 00	R0740 212 30	0.064
16	R0740 516 00	R0740 216 30	0.090
20	R0740 520 00	R0740 220 30	0.150
25	R0740 525 00	R0740 225 30	0.300
30	R0740 530 00	R0740 230 30	0.470
40	R0740 540 00	R0740 240 30	0.980

Explanation of sample short product name

KB	M	F	12	DD	NR
Linear bushing	Standard (metal)	Flanged	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⁾ (µm)	Load ratings (N)			
Ø d	D	D ₁	D ₂	B	L	L ₁	V	S	dyn. C				stat. C ₀			
					±0.3							min.	max.	min.	max.	
5	12 _{-0.013}	28	20	22	22	5	3.1	3.5	4	+8 +0	+14 +2	160	185	180	250	
8	16 _{-0.013}	32	24	25	25	5	3.1	3.5	4	+8 +0	+15 +2	210	240	235	330	
12	22 _{-0.016}	42	32	32	32	6	4.1	4.5	4	+8 +0	+16 +3	400	460	420	600	
16	26 _{-0.016}	46	36	35	36	6	4.1	4.5	4	+9 -1	+17 +2	460	530	440	630	
20	32 _{-0.019}	54	43	42	45	8	5.1	5.5	5	+9 -1	+19 +2	680	800	860	1,250	
25	40 _{-0.019}	62	51	50	58	8	5.1	5.5	6	+11 -1	+20 +3	780	830	1,620	2,100	
30	47 _{-0.019}	76	62	60	68	10	6.1	6.6	6	+11 -1	+20 +3	1,250	1,320	2,000	2,500	
40	62 _{-0.022}	98	80	75	80	13	8.1	9.0	6	+13 -2	+24 +3	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.

