

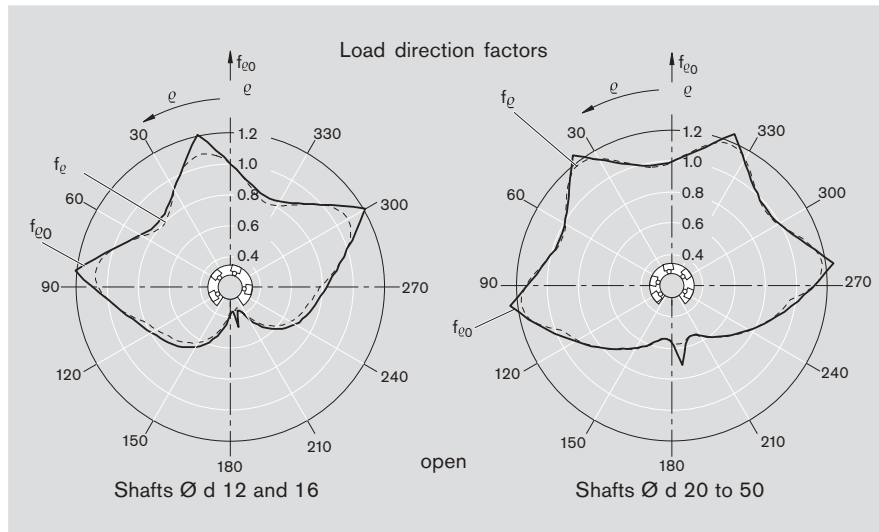
Super Linear Bushing a with Self-alignment

Super Linear Bushings, R0670 closed type

Super Linear Bushings, R0671 open type

Structural design

- Ball retainer with polyamide outer sleeve
- Hardened steel segmental load bearing plates with ground ball tracks
- Balls of anti-friction bearing steel
- Automatic compensation of alignment errors up to 30°
- Without seals
- With internal/separate seals



Shaft $\varnothing d$ [mm]	Part numbers		Mass [kg]
	without seal	with two internal seals	
10	R0670 010 00	R0670 210 40	0.017
12	R0670 012 00	R0670 212 40	0.023
16	R0670 016 00	R0670 216 40	0.028
20	R0670 020 00	R0670 220 40	0.061
25	R0670 025 00	R0670 225 40	0.122
30	R0670 030 00	R0670 230 40	0.185
40	R0670 040 00	R0670 240 40	0.360
50	R0670 050 00	R0670 250 40	0.580

With one internal seal: R0670 1.. 40.



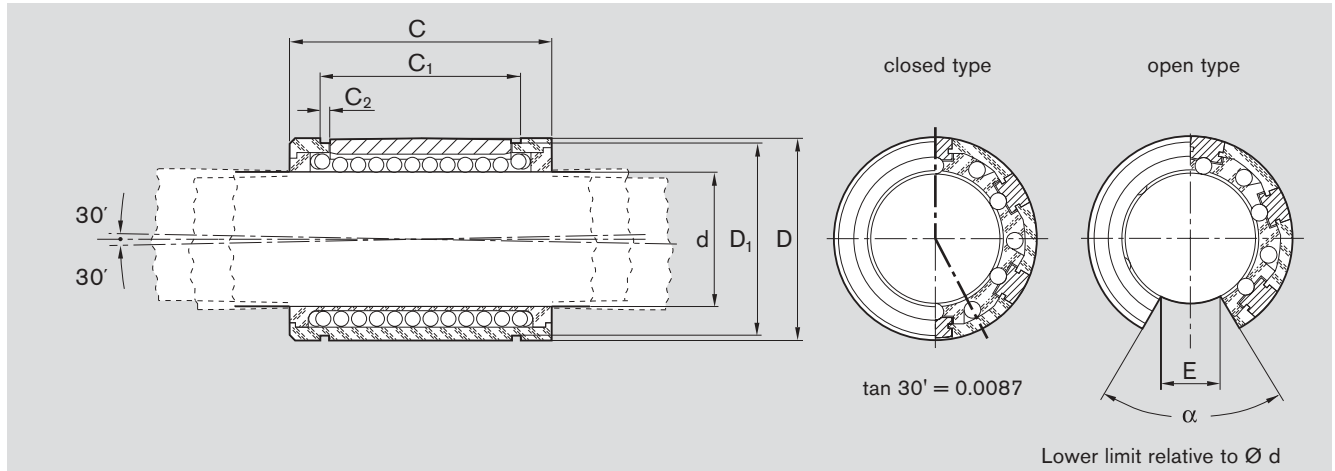
Shaft $\varnothing d$ [mm]	Part numbers			Mass [kg]
	without seal	with two internal seals	with two internal seals and seal strip	
12	R0671 012 00	R0671 212 40	R0671 212 45	0.018
16	R0671 016 00	R0671 216 40	R0671 216 45	0.022
20	R0671 020 00	R0671 220 40	R0671 220 45	0.051
25	R0671 025 00	R0671 225 40	R0671 225 45	0.102
30	R0671 030 00	R0671 230 40	R0671 230 45	0.155
40	R0671 040 00	R0671 240 40	R0671 240 45	0.300
50	R0671 050 00	R0671 250 40	R0671 250 45	0.480

With internal seal: R0671 1.. 40.

For dimensions, see section "Custom-housing".

The figures for dynamic load-carrying capacity have been calculated assuming a nominal travel of 100,000 m. For a nominal travel of 50,000 m, the 'C' figures in the table must be multiplied by a factor of 1.26.

Dimensions



closed type

Ød	D	Dimensions [mm]			D ₁	No. of ball circuits	Radial clearance [µm]						Load capacities [N]				
		C _{h13}	C _{H13}	C ₂			shaft/bore						dyn. C		stat. C ₀		
							h7/H7	h7/JS7	h6/JS6	h6/K6	h7/K7	h7/M7	h6/M6	min	max	min	max
10	19	29	21.6	1.3	18	5	+40 +11	+30 0	+23 +1	+18 -3	+25 -4	+19 -10	+12 -9	600	820	330	480
12	22	32	22.6	1.3	21	5	+43 +12	+33 +1	+25 +2	+21 -3	+28 -3	+22 -9	+15 -9	830	1140	420	620
16	26	36	24.6	1.3	24.9	5	+43 +12	+33 +1	+25 +2	+21 -3	+28 -3	+22 -9	+15 -9	1020	1400	530	780
20	32	45	31.2	1.6	30.5	6	+49 +13	+37 0	+28 +1	+23 -4	+29 -6	+24 -12	+16 -11	2020	2470	1050	1340
25	40	58	43.7	1.85	38.5	6	+49 +13	+37 0	+28 +1	+23 -4	+29 -6	+24 -12	+16 -11	3950	4820	2180	2790
30	47	68	51.7	1.85	44.5	6	+49 +13	+37 0	+28 +1	+23 -4	+29 -6	+24 -12	+16 -11	4800	5860	2790	3570
40	62	80	60.3	2.15	58.5	6	+57 +14	+42 -1	+31 +1	+25 -4	+30 -8	+27 -16	+16 -13	8240	10070	4350	5570
50	75	100	77.3	2.65	71.5	6	+57 +14	+42 -1	+31 +1	+25 -4	+30 -8	+27 -16	+16 -13	12060	14730	6470	8280

open

Ød	D	Dimensions [mm]				E	Angle α [°]	No. of ball circuits	Radial clearance [µm]						Load capacities ¹⁾ [N]		
		C _{h13}	C _{H13}	C ₂	D ₁				shaft/bore						dyn. C	stat. C ₀	
								h7/H7	h7/JS7	h6/JS6	h6/K6	h7/K7	h7/M7	h6/M6			
12	22	32	22.6	1.3	21	6.5	66	4	+43 +12	+33 +1	+25 +2	+21 -3	+28 -3	+22 -9	+15 -9	1060	510
16	26	36	24.6	1.3	24.9	9	68	4	+43 +12	+33 +1	+25 +2	+21 -3	+28 -3	+22 -9	+15 -9	1280	630
20	32	45	31.2	1.6	30.5	9	55	5	+49 +13	+37 0	+28 +1	+23 -4	+29 -6	+24 -12	+16 -11	2100	1070
25	40	58	43.7	1.85	38.5	11.5	57	5	+49 +13	+37 0	+28 +1	+23 -4	+29 -6	+24 -12	+16 -11	4130	2250
30	47	68	51.7	1.85	44.5	14	57	5	+49 +13	+37 0	+28 +1	+23 -4	+29 -6	+24 -12	+16 -11	5020	2880
40	62	80	60.3	2.15	58.5	19.5	56	5	+57 +14	+42 -1	+31 +1	+25 -4	+30 -8	+27 -16	+16 -13	8620	4480
50	75	100	77.3	2.65	71.5	22.5	54	5	+57 +14	+42 -1	+31 +1	+25 -4	+30 -8	+27 -16	+16 -13	12500	6620

¹⁾ The load capacities stated are minimum values as the position and direction of load cannot always be precisely defined α = 0°.