

Radial linear bushings

Radial linear bushings, R0678

No wiper seal or fully sealed

Design

- Hardened and machined steel sleeve
- Ball retainer made of reinforced PA
- Balls made of rolling bearing steel
- Two retaining rings
- No wiper seal
- Fully sealed
- Separate wiper seals
- Relubricatable



Shaft Ø d (mm)	Material number		Weight (kg)
	No wiper seal KBR-...	Fully sealed KBR-...-VD	
30	R0678 030 00	R0678 230 45	0.7
40	R0678 040 00	R0678 240 45	1.4
50	R0678 050 00	R0678 250 45	2.5
60	R0678 060 00	R0678 260 45	4.9
80	R0678 080 00	R0678 280 45	10.4

Wiper seals



Shaft Ø d (mm)	Material number		Weight (kg)
	Wiper seals		
30	R1331 930 00 ¹⁾		0.050
40	R1331 940 00 ¹⁾		0.075
50	R1331 950 00 ¹⁾		0.145
60	R1331 960 00 ¹⁾		0.230
80	R1331 980 00 ¹⁾		0.400

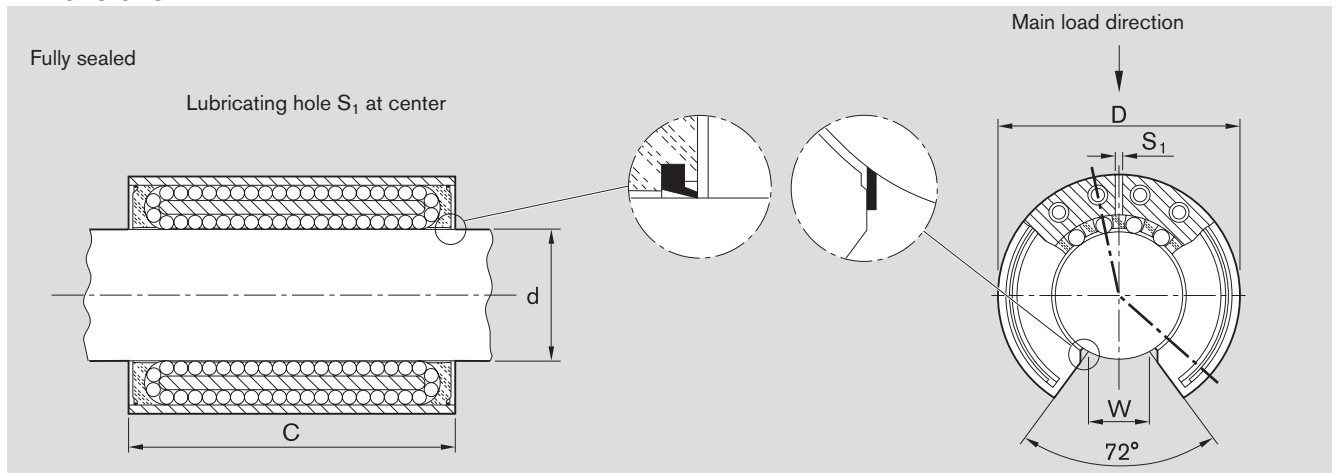
1) Please inquire about delivery time

Explanation of sample short product name

KB	R	30	VD
Linear bushing	Radial	Ø 30	Fully sealed

See page 138 for more information on short product names.

Dimensions



Dimensions (mm)				S1	Rows of balls	Radial clearance (µm)			Load ratings ³⁾ (N)	
Ø d	D	C h11	W ¹⁾			h6/H6	h6/JS6 ²⁾	h6/K6 ²⁾	dyn. C	stat. C ₀
30	60	75	14.0	3	12	+21 -10	+12 -20	+6 -25	8,500	9,520
40	75	100	19.5	3	12	+23 -13	+13 -22	+8 -28	13,900	16,000
50	90	125	24.5	3	12	+25 -12	+14 -23	+7 -30	20,800	24,400
60	110	150	29.0	4	12	+26 -15	+15 -26	+8 -33	29,500	34,100
80	145	200	39.0	4	12	+29 -15	+16 -27	+8 -36	54,800	61,500

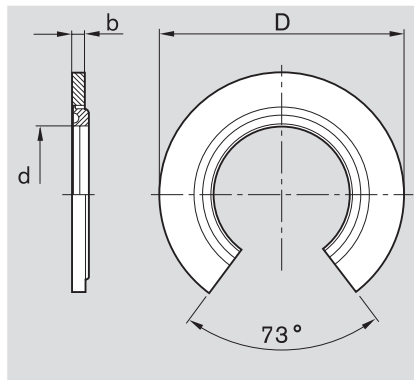
- 1) Minimum size in relation to shaft diameter d.
- 2) Note reduction in service life due to high preload (see tables TB-06-052-05 und TB-06-052-06).
- 3) The load ratings apply for the main load direction $\rho = 0^\circ$.

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.

Wiper seals

Design

- Steel retaining ring
- Elastomer wiper seal



Dimensions (mm)		
Ø d	D ⁴⁾	b
30	60	5
40	75	5
50	90	7
60	110	7
80	145	7

- 4) Outer diameter D is oversized by about 0.1 mm. Additional securing is not required except where vibrations or high acceleration are present.