

2RS4 seals for large radial spherical plain bearings requiring maintenance

Features

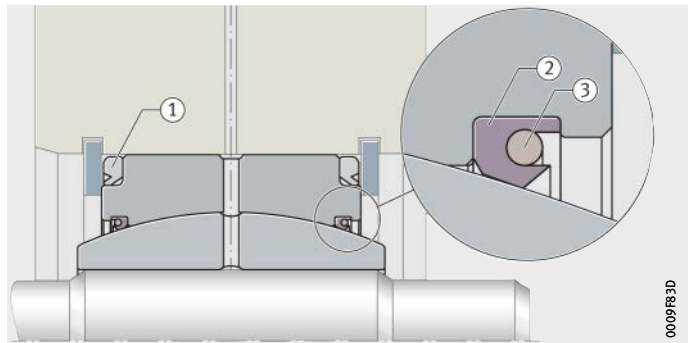
Large radial spherical plain bearings GE..-DO, dimension series C are also available with 2RS4 seals on both sides.

The seal is based on a combination of a PTFE composite and an elastomer ring. It is designed for the sealing of large radial spherical plain bearings and is completely integrated in the bearing, *Figure 1*.

GE..-DO-2RS4

- ① Steel retaining ring
- ② PTFE composite
- ③ Elastomer ring

Figure 1
Sealed large radial spherical plain bearing



Advantages

The high performance seal:

- gives protection against coarse and very fine contaminants
- extends the operating life while requiring reduced maintenance
- is suitable for very high requirements in terms of sealing action
- is used in applications in the areas of fluid technology, construction machinery, mining, processing and conveying equipment.

Dimensions and basic load ratings

The dimensions correspond to those of unsealed large radial spherical plain bearings requiring maintenance.

Due to the integrated seals, there is a slight reduction in the basic load ratings, see dimension table.

Suffixes

The sealed version has the suffix 2RS4, for example GE320-DO-2RS4.

Availability

Bearings with seals are available for bore diameters from 320 mm to 1000 mm.



SCHAEFFLER

Large radial spherical plain bearings

Requiring maintenance

DIN ISO 12240-1, dimension series C

Sealed on both sides

Performance data		
Designation	Basic load ratings	
	dyn. C_r kN	stat. C_{Or} kN
GE320-DO-2RS4	3 910	19 550
GE340-DO-2RS4	4 100	20 500
GE360-DO-2RS4	4 350	21 750
GE380-DO-2RS4	5 760	28 800
GE400-DO-2RS4	6 000	30 000
GE420-DO-2RS4	6 300	31 500
GE440-DO-2RS4	7 980	39 900
GE460-DO-2RS4	8 100	40 500
GE480-DO-2RS4	8 800	44 000
GE500-DO-2RS4	9 200	46 000
GE530-DO-2RS4	10 300	51 500
GE560-DO-2RS4	11 400	57 000

Performance data (continued)		
Designation	Basic load ratings	
	dyn. C_r kN	stat. C_{Or} kN
GE600-DO-2RS4	13 100	65 500
GE630-DO-2RS4	15 800	79 000
GE670-DO-2RS4	17 100	85 500
GE710-DO-2RS4	19 100	95 500
GE750-DO-2RS4	20 500	102 500
GE800-DO-2RS4	23 400	117 000
GE850-DO-2RS4	25 700	128 500
GE900-DO-2RS4	27 900	139 500
GE950-DO-2RS4	32 000	160 000
GE1000-DO-2RS4	36 500	182 500

Technical information on the bearings is available from:
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