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SCHAEFFLER

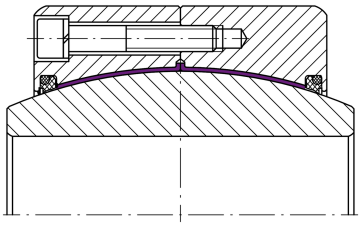
GE670-DW-2RS2-G8-W11-XL

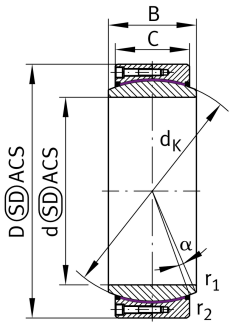
Spherical plain bearing

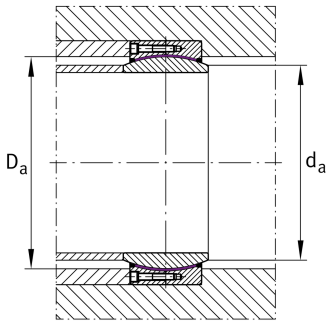
Large radial spherical plain bearing, maintenance-free, sliding layer: ELGOGLIDE, inner ring curved surface with hard chromium coating, DIN ISO 12240-1, dimension series C, sealed

X-life

Technical information







Your current product variant

Maintenance	Maintenance free	
Sealing	2RS2	Lip seals with increased sealing action on both sides
Bore lining	Without	
Coating	G8	Outer ring with Corrotect ZN Coating, curved and end surfaces of inner ring with hard chromium coating (Durotect CMT)
Fabric	W11	For low contact pressures (starting as low as 1 N/mm²) and minimal friction
Material	Steel	

Main Dimensions & Performance Data

d	670 mm	Bore diameter bearing
C_r	54.600.000 N	Basic dynamic load rating, radial
D	900 mm	Outside diameter bearing
B	308 mm	Width inner ring
C	260 mm	Width Outer ring
C_{0r}	91.100.000 N	Basic static load rating, radial
≈m	595,2 kg	Weight

Mounting dimensions

r_{1smin}	3 mm	Edge Spacing
r_{2smin}	6 mm	Edge Spacing
D_{amin}	746 mm	Housing Connection Diameter
d_{amax}	722 mm	Connection measurement, inner ring

Dimensions

d_K	785 mm	Ball diameter
α	3,7 °	Tilt angle
D_{OT}	0,018 mm	Outside diameter, upper tolerance
D_{UT}	-0,09 mm	Outside diameter, lower tolerance
B_{OT}	0 mm	Width inner ring, upper tolerance
d_{UT}	-0,075 mm	Bore diameter bearing, lower tolerance
B_{UT}	-0,75 mm	Width inner ring, lower tolerance
d_{OT}	0 mm	Bore diameter bearing, upper tolerance
C_{OT}	0 mm	Width outer ring, upper tolerance
C_{UT}	-1,2 mm	Width outer ring, lower tolerance
G_r	0 - 0,16	Radial Clearance
G_{rmax}	0,16 mm	Radial clearance, maximum
G_{rmin}	0 mm	Radial clearance, minimum

Temperature range

T_{min}	-40 °C	Operating temperature min.
T_{max}	120 °C	Operating temperature max.

Characteristics

Radial load

Axial load in one direction

Axial load in two directions

Lifetime lubrication, freedom from maintenance


Sealed on both sides


Large bearing


Static angular error and misalignment


Dynamic angular error and misalignment