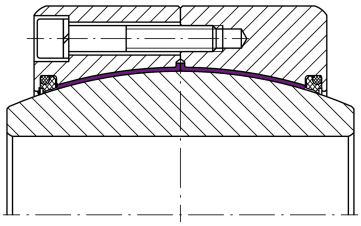
GE710-DW-2RS2-XL

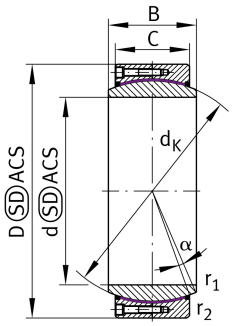
Spherical plain bearing

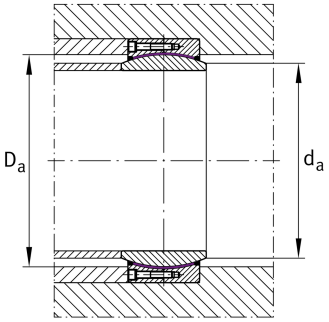
Large radial spherical plain bearing, maintenance-free, sliding layer: ELGOGLIDE, inner ring curved surface with hard chromium coating, DIN ISO 12240-1, dimension series C, sealed

X-life

Technical information







Your current product variant

Maintenance	Maintenance free	
Type of Seal	2RS2	Lip seals with increased sealing action on both sides
Bore lining	Without	
Coating	Without	
Fabric	ELGOGLIDE	
Material	Steel	

Main Dimensions & Performance Data

d	710 mm	Bore diameter bearing
C_r	60.900.000 N	Basic dynamic load rating, radial
D	950 mm	Outside diameter bearing
B	325 mm	Width inner ring
C	275 mm	Width Outer ring
C_{0r}	101.000.000 N	Basic static load rating, radial
≈m	688,5 kg	Weight

Mounting dimensions

r_{1smin}	3 mm	Edge Spacing
r_{2smin}	6 mm	Edge Spacing
D_{amin}	789 mm	Housing Connection Diameter
d_{amax}	763,7 mm	Connection measurement, inner ring

Dimensions

d_K	830 mm	Ball diameter
α	3,7 °	Tilt angle
D_{OT}	0 mm	Outside diameter, upper tolerance
D_{UT}	-0,1 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 - 0,17	Radial Clearance
G_{rmax}	0,17 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