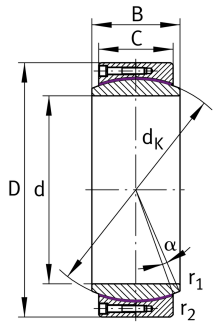
GE360-DW-W11-XL

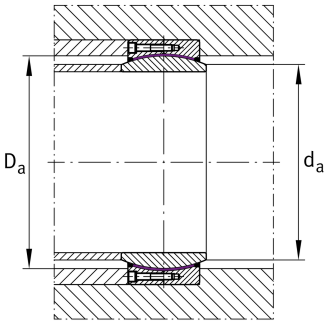
Spherical plain bearing

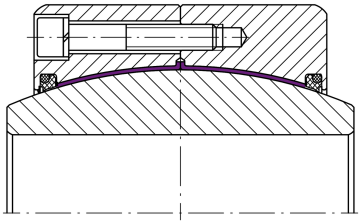
Large radial spherical plain bearing, maintenance-free, sliding layer: ELGOGLIDE, inner ring curved surface with hard chromium coating, DIN ISO 12240-1, dimension series C, open design

X-life

Technical information







Your current product variant

Maintenance	Maintenance free	
Sealing	Without	Without
Bore lining	Without	
Coating	Without	
Fabric	W11	For low contact pressures (starting as low as 1 N/mm²) and minimal friction
Material	Steel	

Main Dimensions & Performance Data

d	360 mm	Bore diameter bearing
C_r	17.000.000 N	Basic dynamic load rating, radial
D	480 mm	Outside diameter bearing
B	160 mm	Width inner ring
C	135 mm	Width Outer ring
C_{0r}	28.400.000 N	Basic static load rating, radial
≈m	86,1 kg	Weight

Mounting dimensions

r_{1smin}	1,1 mm	Edge Spacing
r_{2smin}	3 mm	Edge Spacing
D_{amin}	403 mm	Housing Connection Diameter
d_{amax}	388,3 mm	Connection measurement, inner ring

Dimensions

d_K	420 mm	Ball diameter
α	3,6 °	Tilt angle
D_{OT}	0 mm	Outside diameter, upper tolerance
D_{UT}	-0,045 mm	Outside diameter, lower tolerance
B_{OT}	0 mm	Width inner ring, upper tolerance
d_{UT}	-0,04 mm	Bore diameter bearing, lower tolerance
B_{UT}	-0,4 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}	-0,9 mm	Width outer ring, lower tolerance
G_r	0 - 0,135	Radial Clearance
G_{rmax}	0,135 mm	Radial clearance, maximum
G_{rmin}	0 mm	Radial clearance, minimum

Temperature range

T_{min}	-50 °C	Operating temperature min.
T_{max}	150 °C	Operating temperature max.

Characteristics

Radial load

Axial load in one direction

Axial load in two directions

Lifetime lubrication, freedom from maintenance


Not sealed


Large bearing


Static angular error and misalignment


Dynamic angular error and misalignment