

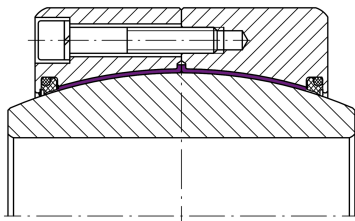
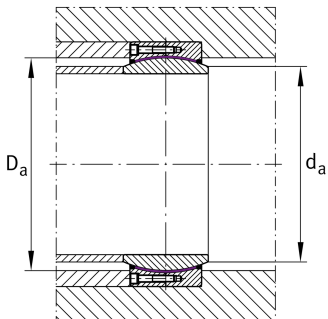
**GE500-DW-XL**

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	ELGOGLIDE	
Material	Steel	

Main Dimensions & Performance Data

d	500 mm	Bore diameter bearing
C_r	34.200.000 N	Basic dynamic load rating, radial
D	670 mm	Outside diameter bearing
B	230 mm	Width Inner ring
C	195 mm	Width Outer ring
C_{0r}	57.000.000 N	Basic static load rating, radial
$\approx m$	246,2 kg	Weight



Mounting dimensions

$r_{1\text{min}}$	2 mm	Edge Spacing
$r_{2\text{min}}$	5 mm	Edge Spacing
D_{amin}	557 mm	Housing Connection Diameter
d_{amax}	537,8 mm	Connection measurement, inner ring

Dimensions

d_{κ}	585 mm	Ball diameter
α	3,6 °	Tilt angle
D_{OT}	0 mm	Outside diameter, upper tolerance
D_{UT}	-0,075 mm	Outside diameter, lower tolerance
B_{OT}	0 mm	Width inner ring, upper tolerance
d_{UT}	-0,045 mm	Bore diameter bearing, lower tolerance
B_{UT}	-0,45 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}	-1,1 mm	Width outer ring, lower tolerance
G_{r}	0 - 0,145	Radial Clearance
G_{rmax}	0,145 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