

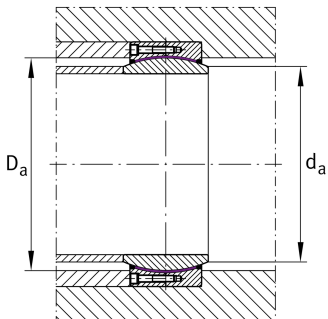
**GE500-DW-XL**

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