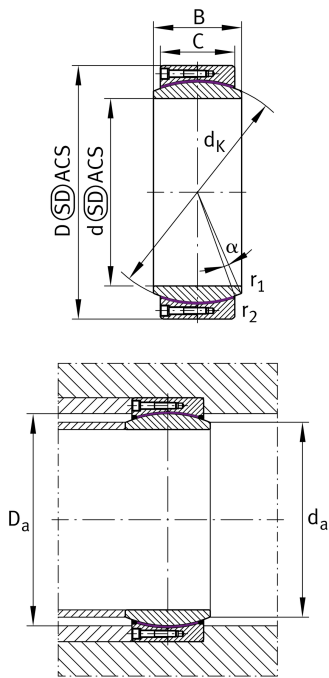


**GE500-DF-G9**

Spherical plain bearing

Radial spherical plain bearing, maintenance-free, sliding contact surface: GFK / hard chromium, DIN ISO 12240-1, dimension series C, open design

Technical information

**Your current product variant**

Maintenance	Maintenance free	
Type of Seal	Without	Without
Radial internal clearance	CN (Group N)	Normal internal clearance
Bore lining	Without	
Coating	G9	Outer ring- lateral surface hard chromium coated (Durotect CMT), bore tolerance H7
Fabric	GFK+PTFE	Glass fibre-reinforced sliding plastic plate with additives of PTFE
Material	Steel	

Main Dimensions & Performance Data

d	500 mm	Bore diameter bearing
C_r	6.850.000 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}	10.300.000 N	Basic static load rating, radial
$\approx m$	224,8 kg	Weight



Mounting dimensions

$r_{1\text{min}}$	2 mm	Edge Spacing
$r_{2\text{min}}$	1 mm	Edge Spacing
D_{amin}	557 mm	Housing Connection Diameter
d_{amax}	537,9 mm	Connection measurement, inner ring

Dimensions










d_{K}	585 mm	Ball diameter
α	3,6 °	Tilt angle
d_{T}	H7	Bore diameter bearing, tolerance
D_{OT}	0 mm	Outside diameter, upper tolerance
D_{UT}	-0,07 mm	Outside diameter, lower tolerance
B_{OT}	0 mm	Width inner ring, upper tolerance
d_{UT}	0 mm	Bore diameter bearing, lower tolerance
B_{UT}	-0,4 mm	Width inner ring, lower tolerance
d_{OT}	0,063 mm	Bore diameter bearing, upper tolerance
C_{OT}	0 mm	Width outer ring, upper tolerance
C_{UT}	-0,4 mm	Width outer ring, lower tolerance
G_{r}	0,145-0,39	Radial Clearance
G_{rmax}	0,39 mm	Radial clearance, maximum
G_{rmin}	0,145 mm	Radial clearance, minimum

Temperature range

T_{min}	-20 °C	Operating temperature min.
T_{max}	75 °C	Operating temperature max.



Characteristics

-  Radial load
-  Axial load in one direction
-  Axial load in two directions
-  Lifetime lubrication, freedom from maintenance
-  Grease Lubrication
-  Not sealed
-  Large bearing
-  Static angular error and misalignment
-  Dynamic angular error and misalignment