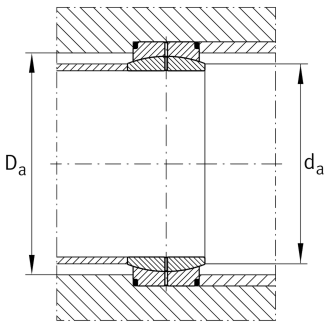


**GE480-DO**

Spherical plain bearing

Radial spherical plain bearing, requiring maintenance, sliding contact surface: steel/steel, DIN ISO 12240-1, dimension series C, open design

Technical information



Your current product variant

Maintenance	Maintenance required
Material	Steel
Sealing	Without
Radial internal clearance	CN (Group N) Normal internal clearance
Coating	Durotect M Inner- and outer ring coated with Durotect M (Manganese Phosphate)

Main Dimensions & Performance Data

d	480 mm	Bore diameter bearing
D	650 mm	Outside diameter bearing
B	230 mm	Width inner ring
C _r	13.800.000 N	Basic dynamic load rating, radial
C _{0r}	53.100.000 N	Basic static load rating, radial
≈m	235,6 kg	Weight

Mounting dimensions

r _{1smin}	2 mm	Edge Spacing
r _{2smin}	5 mm	Edge Spacing
d _{a max}	516 mm	Connection measure Inner ring
D _{a min}	536 mm	Housing Connection Diameter



Dimensions

C	195 mm	Width Outer ring
d _K	565 mm	Ball diameter
α	3,8 °	Tilt angle
d _{OT}	0 mm	Bore diameter bearing, upper tolerance
d _{UT}	-0,045 mm	Bore diameter bearing, lower tolerance
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
B _{UT}	-0,45 mm	Width inner ring, lower tolerance
C _{OT}	0 mm	Width outer ring, upper tolerance
C _{UT}	-1,1 mm	Width outer ring, lower tolerance
G _r	0,145 - 0,285	Radial Clearance
G _{rmax}	0,285 mm	Radial clearance, maximum
G _{rmin}	0,145 mm	Radial clearance, minimum

Temperature range

T _{min}	-60 °C	Operating temperature min.
T _{max}	200 °C	Operating temperature max.



Characteristics



Radial load



Axial load in one direction



Axial load in two directions



Grease Lubrication



Not sealed



Large bearing



Static angular error and misalignment



Dynamic angular error and misalignment