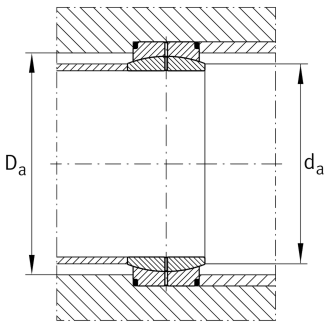


**GE670-DO**

## 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	
Type of Seal	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 &amp; Performance Data

d	670 mm	Bore diameter bearing
D	900 mm	Outside diameter bearing
B	308 mm	Width inner ring
C <sub>r</sub>	25.600.000 N	Basic dynamic load rating, radial
C <sub>0r</sub>	98.500.000 N	Basic static load rating, radial
≈m	594,15 kg	Weight

## Mounting dimensions

r <sub>1smin</sub>	3 mm	Edge Spacing
r <sub>2smin</sub>	6 mm	Edge Spacing
d <sub>a max</sub>	722,1 mm	Connection measure Inner ring
D <sub>a min</sub>	746 mm	Housing Connection Diameter



### Dimensions

C	260 mm	Width Outer ring
d <sub>K</sub>	785 mm	Ball diameter
α	3,7 °	Tilt angle
d <sub>OT</sub>	0 mm	Bore diameter bearing, upper tolerance
d <sub>UT</sub>	-0,075 mm	Bore diameter bearing, lower tolerance
D <sub>OT</sub>	0 mm	Outside diameter, upper tolerance
D <sub>UT</sub>	-0,1 mm	Outside diameter, lower tolerance
B <sub>OT</sub>	0 mm	Width inner ring, upper tolerance
B <sub>UT</sub>	-0,75 mm	Width inner ring, lower tolerance
C <sub>OT</sub>	0 mm	Width outer ring, upper tolerance
C <sub>UT</sub>	-1,2 mm	Width outer ring, lower tolerance
G <sub>r</sub>	0,16 - 0,32	Radial Clearance
G <sub>rmax</sub>	0,32 mm	Radial clearance, maximum
G <sub>rmin</sub>	0,16 mm	Radial clearance, minimum









### Temperature range

T <sub>min</sub>	-60 °C	Operating temperature min.
T <sub>max</sub>	200 °C	Operating temperature max.



### Characteristics

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-  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