

**GE200-DO-C3**

## Spherical plain bearing

Radial spherical plain bearing, requiring maintenance, sliding contact surface: steel/steel, DIN ISO 12240-1, dimension series E, open design High-performance: For highest load rating and lifetime demands

## Technical information

**Your current product variant**

Maintenance	Maintenance required
Material	Steel
Type of Seal	Without
Radial internal clearance	C3 (Group 3) Internal clearance larger than CN
Coating	Durotect M Inner- and outer ring coated with Durotect M (Manganese Phosphate)

**Main Dimensions & Performance Data**

d	200 mm	Bore diameter bearing
D	290 mm	Outside diameter bearing
B	130 mm	Width inner ring
C <sub>r</sub>	2.760.000 N	Basic dynamic load rating, radial
C <sub>0r</sub>	10.600.000 N	Basic static load rating, radial
≈m	28,4 kg	Weight

**Mounting dimensions**

r <sub>1smin</sub>	1,1 mm	Edge Spacing
r <sub>2smin</sub>	1,1 mm	Edge Spacing
d <sub>a max</sub>	213,5 mm	Connection measure Inner ring
D <sub>a min</sub>	239 mm	Housing Connection Diameter



## Dimensions

C	100 mm	Width Outer ring
$d_K$	250 mm	Ball diameter
$\alpha$	7 °	Tilt angle
$d_{OT}$	0 mm	Bore diameter bearing, upper tolerance
$d_{UT}$	-0,03 mm	Bore diameter bearing, lower tolerance
$D_{OT}$	0 mm	Outside diameter, upper tolerance
$D_{UT}$	-0,035 mm	Outside diameter, lower tolerance
$B_{OT}$	0 mm	Width inner ring, upper tolerance
$B_{UT}$	-0,3 mm	Width inner ring, lower tolerance
$C_{OT}$	0 mm	Width outer ring, upper tolerance
$C_{UT}$	-0,7 mm	Width outer ring, lower tolerance
$G_r$	0,192 - 0,284	Radial Clearance
$G_{rmax}$	0,192 mm	Radial clearance, maximum
$G_{rmin}$	0,1 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
-  Static angular error and misalignment
-  Dynamic angular error and misalignment