

**GE200-DO**

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
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	200 mm	Bore diameter bearing
D	290 mm	Outside diameter bearing
B	130 mm	Width inner ring
C _r	2.760.000 N	Basic dynamic load rating, radial
C _{0r}	10.600.000 N	Basic static load rating, radial
m	28,4 kg	Weight

Mounting dimensions

r _{1min}	1,1 mm	Edge Spacing
r _{2min}	1,1 mm	Edge Spacing
d _{a max}	213,5 mm	Connection measure Inner ring
D _{a min}	239 mm	Housing Connection Diameter



Dimensions

C	100 mm	Width Outer ring
d_K	250 mm	Ball diameter
α	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	0,1 - 0,192	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