

**GE50-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	50 mm	Bore diameter bearing
D	75 mm	Outside diameter bearing
B	35 mm	Width inner ring
C _r	204.000 N	Basic dynamic load rating, radial
C _{0r}	785.000 N	Basic static load rating, radial
m	0,53 kg	Weight

Mounting dimensions

r _{1smin}	0,6 mm	Edge Spacing
r _{2smin}	1 mm	Edge Spacing
d _{a max}	55,9 mm	Connection measure Inner ring
D _{a min}	63 mm	Housing Connection Diameter



Dimensions

C	28 mm	Width Outer ring
d_K	66 mm	Ball diameter
α	6 °	Tilt angle
d_{OT}	0 mm	Bore diameter bearing, upper tolerance
d_{UT}	-0,012 mm	Bore diameter bearing, lower tolerance
D_{OT}	0 mm	Outside diameter, upper tolerance
D_{UT}	-0,013 mm	Outside diameter, lower tolerance
B_{OT}	0 mm	Width inner ring, upper tolerance
B_{UT}	-0,12 mm	Width inner ring, lower tolerance
C_{OT}	0 mm	Width outer ring, upper tolerance
C_{UT}	-0,3 mm	Width outer ring, lower tolerance
G_r	0,12 - 0,18	Radial Clearance
G_{rmax}	0,12 mm	Radial clearance, maximum
G_{rmin}	0,06 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