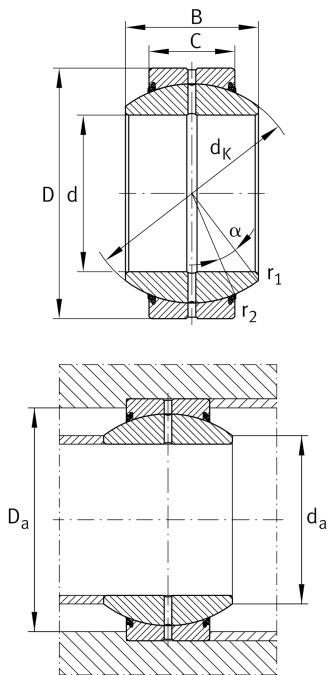


**GE50-FO-2TS**

## Spherical plain bearing

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

## Technical information

**Your current product variant**

Maintenance	Maintenance required	
Material	Steel	
Type of Seal	2TS	Integrated triple lip high performance seals on both sides
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	50 mm	Bore diameter bearing
D	90 mm	Outside diameter bearing
B	56 mm	Width inner ring
C <sub>r</sub>	318.000 N	Basic dynamic load rating, radial
C <sub>0r</sub>	1.220.000 N	Basic static load rating, radial
m	1,377 kg	Weight

**Mounting dimensions**

r <sub>1min</sub>	0,6 mm	Edge Spacing
r <sub>2min</sub>	1 mm	Edge Spacing
d <sub>a max</sub>	57,1 mm	Connection measure Inner ring
D <sub>a min</sub>	75 mm	Housing Connection Diameter










## Dimensions

C	36 mm	Width Outer ring
$d_K$	80 mm	Ball diameter
$\alpha$	17 °	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
$D_{UT}$	-0,015 mm	Outside diameter, lower tolerance
$B_{OT}$	0 mm	Width inner ring, upper tolerance
$B_{UT}$	-0,15 mm	Width inner ring, lower tolerance
$C_{OT}$	0 mm	Width outer ring, upper tolerance
$C_{UT}$	-0,4 mm	Width outer ring, lower tolerance
$G_r$	0,06 - 0,12	Radial Clearance
$G_{rmax}$	0,12 mm	Radial clearance, maximum
$G_{rmin}$	0,06 mm	Radial clearance, minimum

## Temperature range

$T_{min}$	-30 °C	Operating temperature min.
$T_{max}$	100 °C	Operating temperature max.

## Characteristics

-  Radial load
-  Axial load in one direction
-  Axial load in two directions
-  Grease Lubrication
-  Sealed on both sides
-  Static angular error and misalignment
-  Dynamic angular error and misalignment