

**GE80-HO-2RS**

## Spherical plain bearing



High performance Radial spherical plain bearing, requiring maintenance, sliding contact surface: steel/steel, cylindrical extensions on inner ring, sealed High-performance: For highest load rating and lifetime demands

## Technical information



## Your current product variant

Maintenance	Maintenance required	
Material	Steel	
Sealing	2RS	Lip 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 &amp; Performance Data

d	80 mm	Bore diameter bearing
D	120 mm	Outside diameter bearing
B	74 mm	Width inner ring
$C_r$	522.000 N	Basic dynamic load rating, radial
$C_{0r}$	2.010.000 N	Basic static load rating, radial
$\approx m$	2,25 kg	Weight

## Mounting dimensions

$r_{1\text{min}}$	0,3 mm	Edge Spacing
$r_{2\text{min}}$	1 mm	Edge Spacing
$d_{a\text{max}}$	90 mm	Connection measure Inner ring
$D_{a\text{min}}$	99 mm	Housing Connection Diameter



## Dimensions

C	45 mm	Width Outer ring
d <sub>K</sub>	105 mm	Ball diameter
α	3 °	Tilt angle
d <sub>OT</sub>	0 mm	Bore diameter bearing, upper tolerance
d <sub>UT</sub>	-0,015 mm	Bore diameter bearing, lower tolerance
D <sub>OT</sub>	0 mm	Outside diameter, upper tolerance
D <sub>UT</sub>	-0,015 mm	Outside diameter, lower tolerance
B <sub>OT</sub>	0,3 mm	Width inner ring, upper tolerance
B <sub>UT</sub>	-0,3 mm	Width inner ring, lower tolerance
C <sub>OT</sub>	0 mm	Width outer ring, upper tolerance
C <sub>UT</sub>	-0,4 mm	Width outer ring, lower tolerance
G <sub>r</sub>	0,072 - 0,142	Radial Clearance
G <sub>rmax</sub>	0,142 mm	Radial clearance, maximum
G <sub>rmin</sub>	0,072 mm	Radial clearance, minimum

## Temperature range

T <sub>min</sub>	-30 °C	Operating temperature min.
T <sub>max</sub>	130 °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