

**GE45-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	
Type of Seal	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	45 mm	Bore diameter bearing
D	68 mm	Outside diameter bearing
B	40 mm	Width inner ring
$C_r$	166.000 N	Basic dynamic load rating, radial
$C_{0r}$	638.000 N	Basic static load rating, radial
$\approx m$	0,432 kg	Weight

## Mounting dimensions

$r_{1\text{min}}$	0,3 mm	Edge Spacing
$r_{2\text{min}}$	1 mm	Edge Spacing
$d_{a\text{max}}$	51,5 mm	Connection measure Inner ring
$D_{a\text{min}}$	57 mm	Housing Connection Diameter



## Dimensions

C	25 mm	Width Outer ring
$d_K$	60 mm	Ball diameter
$\alpha$	3 °	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
$B_{OT}$	0,3 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
$C_{UT}$	-0,3 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.
$T_{max}$	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