

**GE300-DO-2RS-C3** [↗](#)

## Spherical plain bearing

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

## Technical information



## Your current product variant

Maintenance	Maintenance required	
Material	Steel	
Type of Sealing	2RS	Lip seals on both sides
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 &amp; Performance Data

d	300 mm	Bore diameter bearing
D	430 mm	Outside diameter bearing
B	165 mm	Width inner ring
C <sub>r</sub>	4.970.000 N	Basic dynamic load rating, radial
C <sub>0r</sub>	19.100.000 N	Basic static load rating, radial
≈m	77,3 kg	Weight

## Mounting dimensions

r <sub>1smin</sub>	1,1 mm	Edge Spacing
r <sub>2smin</sub>	1,1 mm	Edge Spacing
d <sub>a max</sub>	336,7 mm	Connection measure Inner ring
D <sub>a min</sub>	370 mm	Housing Connection Diameter



### Dimensions

C	120 mm	Width Outer ring
d <sub>K</sub>	375 mm	Ball diameter
α	7 °	Tilt angle
d <sub>OT</sub>	0 mm	Bore diameter bearing, upper tolerance
d <sub>UT</sub>	-0,035 mm	Bore diameter bearing, lower tolerance
D <sub>OT</sub>	0 mm	Outside diameter, upper tolerance
D <sub>UT</sub>	-0,045 mm	Outside diameter, lower tolerance
B <sub>OT</sub>	0 mm	Width inner ring, upper tolerance
B <sub>UT</sub>	-0,35 mm	Width inner ring, lower tolerance
C <sub>OT</sub>	0 mm	Width outer ring, upper tolerance
C <sub>UT</sub>	-0,9 mm	Width outer ring, lower tolerance
G <sub>r</sub>	0,239 - 0,353	Radial Clearance
G <sub>rmax</sub>	0,214 mm	Radial clearance, maximum
G <sub>rmin</sub>	0,11 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

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Radial load



Axial load in one direction



Axial load in two directions



Grease Lubrication



Sealed on both sides



Large bearing



Static angular error and misalignment



Dynamic angular error and misalignment