

**GE20-DO-2RS-E**

Spherical plain bearing

Standard performance Radial spherical plain bearing, requiring maintenance, sliding contact surface: steel/steel, DIN ISO 12240-1, dimension series E, sealed

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 & Performance Data

d	20 mm	Bore diameter bearing
D	35 mm	Outside diameter bearing
B	16 mm	Width inner ring
C_r	29.600 N	Basic dynamic load rating, radial
C_{0r}	148.000 N	Basic static load rating, radial
m	0,061 kg	Weight

Mounting dimensions

r_{1min}	0,3 mm	Edge Spacing
r_{2min}	0,3 mm	Edge Spacing
$d_{a max}$	24,1 mm	Connection measure Inner ring
$D_{a min}$	28,1 mm	Housing Connection Diameter



Dimensions

C	12 mm	Width Outer ring
d _K	29 mm	Ball diameter
α	9 °	Tilt angle
d _{OT}	0 mm	Bore diameter bearing, upper tolerance
d _{UT}	-0,01 mm	Bore diameter bearing, lower tolerance
D _{OT}	0 mm	Outside diameter, upper tolerance
D _{UT}	-0,011 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}	-0,24 mm	Width outer ring, lower tolerance
G _r	0,04 - 0,082	Radial Clearance
G _{rmax}	0,082 mm	Radial clearance, maximum
G _{rmin}	0,04 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