

**GE160-DO-2RS** [↗](#)

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	
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 & Performance Data

d	160 mm	Bore diameter bearing
D	230 mm	Outside diameter bearing
B	105 mm	Width inner ring
C _r	1.770.000 N	Basic dynamic load rating, radial
C _{0r}	6.800.000 N	Basic static load rating, radial
≈m	13,494 kg	Weight

Mounting dimensions

r _{1smin}	1 mm	Edge Spacing
r _{2smin}	1 mm	Edge Spacing
d _{a max}	170,2 mm	Connection measure Inner ring
D _{a min}	191 mm	Housing Connection Diameter



Dimensions

C	80 mm	Width Outer ring
d_K	200 mm	Ball diameter
α	8 °	Tilt angle
d_{OT}	0 mm	Bore diameter bearing, upper tolerance
d_{UT}	-0,025 mm	Bore diameter bearing, lower tolerance
D_{OT}	0 mm	Outside diameter, upper tolerance
D_{UT}	-0,03 mm	Outside diameter, lower tolerance
B_{OT}	0 mm	Width inner ring, upper tolerance
B_{UT}	-0,25 mm	Width inner ring, lower tolerance
C_{OT}	0 mm	Width outer ring, upper tolerance
C_{UT}	-0,6 mm	Width outer ring, lower tolerance
G_r	0,1 - 0,192	Radial Clearance
G_{rmax}	0,192 mm	Radial clearance, maximum
G_{rmin}	0,1 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