

**GE320-LO**

## Spherical plain bearing

High performance Radial spherical plain bearing, requiring maintenance, sliding contact surface: steel/steel, DIN ISO 12240-1, dimension series W, cylindrical extensions on inner ring, open design High-performance: For highest load rating and lifetime demands

## Technical information

**Your current product variant**

Maintenance	Maintenance required
Material	Steel
Sealing	Without
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	320 mm	Bore diameter bearing
D	520 mm	Outside diameter bearing
B	320 mm	Width inner ring
$C_r$	9.010.000 N	Basic dynamic load rating, radial
$C_{0r}$	34.700.000 N	Basic static load rating, radial
$\approx m$	224,3 kg	Weight

**Mounting dimensions**

$r_{1\text{min}}$	2,5 mm	Edge Spacing
$r_{2\text{min}}$	4 mm	Edge Spacing
$d_{a\text{max}}$	405 mm	Connection measure Inner ring
$D_{a\text{min}}$	438 mm	Housing Connection Diameter



### Dimensions

C	160 mm	Width Outer ring
d <sub>K</sub>	450 mm	Ball diameter
α	4 °	Tilt angle
d <sub>OT</sub>	0,057 mm	Bore diameter bearing, upper tolerance
d <sub>UT</sub>	0 mm	Bore diameter bearing, lower tolerance
D <sub>OT</sub>	0 mm	Outside diameter, upper tolerance
D <sub>UT</sub>	-0,05 mm	Outside diameter, lower tolerance
B <sub>OT</sub>	0 mm	Width inner ring, upper tolerance
B <sub>UT</sub>	-0,57 mm	Width inner ring, lower tolerance
C <sub>OT</sub>	0 mm	Width outer ring, upper tolerance
C <sub>UT</sub>	-1 mm	Width outer ring, lower tolerance
G <sub>r</sub>	0,135 - 0,261	Radial Clearance
G <sub>rmax</sub>	0,261 mm	Radial clearance, maximum
G <sub>rmin</sub>	0,135 mm	Radial clearance, minimum

### Temperature range

T <sub>min</sub>	-60 °C	Operating temperature min.
T <sub>max</sub>	200 °C	Operating temperature max.



### Characteristics

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Radial load



Axial load in one direction



Axial load in two directions



Grease Lubrication



Not sealed



Large bearing



Static angular error and misalignment



Dynamic angular error and misalignment