

**GE110-DO-C3**

## Spherical plain bearing

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

$d$	110 mm	Bore diameter bearing
$D$	160 mm	Outside diameter bearing
$B$	70 mm	Width inner ring
$C_r$	851.000 N	Basic dynamic load rating, radial
$C_{0r}$	3.270.000 N	Basic static load rating, radial
$\approx m$	4,76 kg	Weight

## Mounting dimensions

$r_{1\text{min}}$	1 mm	Edge Spacing
$r_{2\text{min}}$	1 mm	Edge Spacing
$d_{a\text{max}}$	121,2 mm	Connection measure Inner ring
$D_{a\text{min}}$	134 mm	Housing Connection Diameter










## Dimensions

C	55 mm	Width Outer ring
$d_K$	140 mm	Ball diameter
$\alpha$	6 °	Tilt angle
$d_{OT}$	0 mm	Bore diameter bearing, upper tolerance
$d_{UT}$	-0,02 mm	Bore diameter bearing, lower tolerance
$D_{OT}$	0 mm	Outside diameter, upper tolerance
$D_{UT}$	-0,025 mm	Outside diameter, lower tolerance
$B_{OT}$	0 mm	Width inner ring, upper tolerance
$B_{UT}$	-0,2 mm	Width inner ring, lower tolerance
$C_{OT}$	0 mm	Width outer ring, upper tolerance
$C_{UT}$	-0,5 mm	Width outer ring, lower tolerance
$G_r$	0,165 - 0,245	Radial Clearance
$G_{rmax}$	0,165 mm	Radial clearance, maximum
$G_{rmin}$	0,085 mm	Radial clearance, minimum

## Temperature range

$T_{min}$	-60 °C	Operating temperature min.
$T_{max}$	200 °C	Operating temperature max.

## Characteristics

-   $F_r$  Radial load
-   $F_a$  Axial load in one direction
-   $F_a$  Axial load in two directions
-  Grease Lubrication
-  Not sealed
-  Static angular error and misalignment
-  Dynamic angular error and misalignment