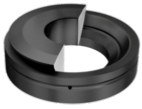


**GE50-AX**

## Spherical plain bearing



Axial spherical plain bearing, requiring maintenance, sliding contact surface: steel/steel

## Technical information

**Your current product variant**

Maintenance	Maintenance required
Coating	Durotect M Inner- and outer ring coated with Durotect M (Manganese Phosphate)

**Main Dimensions & Performance Data**

d	50 mm	Inner diameter bearing
D	130 mm	Outside diameter bearing
T	42,5 mm	Height
C <sub>a</sub>	845.000 N	Basic dynamic load rating, axial
C <sub>0a</sub>	3.250.000 N	Basic static load rating, axial
≈m	3,369 kg	Weight

**Mounting dimensions**

r <sub>1smin</sub>	1 mm	Edge Spacing
r <sub>2smin</sub>	0,3 mm	Edge Spacing
d <sub>a max</sub>	98 mm	Connection measure Inner ring
D <sub>a min</sub>	75 mm	Housing Connection Diameter



## Dimensions

$d_K$	140 mm	Ball diameter
$d_3$	98	Front surface diameter of shaft washer
$D_1$	69 mm	Inner diameter of housing washer
B	33,5 mm	Width Inner ring
C	32 mm	Width Outer ring
s	30 mm	Plane Surface Spacing
A	10 mm	Distance lubrication Bore
$\alpha$	5 °	Tilt angle
$d_{OT}$	0 mm	Bore diameter bearing, upper tolerance
$d_{UT}$	-0,012 mm	Bore diameter bearing, lower tolerance
$D_{OT}$	0 mm	Outer diameter, upper tolerance
$D_{UT}$	-0,018 mm	Outside diameter, lower tolerance
$T_{OT}$	0 mm	Height, upper tolerance
$T_{UT}$	-0,4 mm	Height, lower tolerance
$C_{UT}$	0 mm	Width outer ring, upper tolerance
$C_{OT}$	-0,24 mm	Width outer ring, lower tolerance
$B_{OT}$	0 mm	Width inner ring, upper tolerance
$B_{UT}$	-0,24 mm	Width inner ring, lower tolerance
$d_2$	122,5 mm	Connection measure Inner ring

## Temperature range

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



### Characteristics

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Radial load



Axial load in one direction



Grease Lubrication



Not sealed



Static angular error and misalignment



Dynamic angular error and misalignment