

**GE150-SX**

## Spherical plain bearing



Angular contact spherical plain bearing,  
requiring maintenance, sliding contact  
surface: steel/steel, DIN ISO 12240-2, open  
design

## Technical information



## Your current product variant

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

## Main Dimensions &amp; Performance Data

d	150 mm	Inner diameter bearing
D	225 mm	Outside diameter bearing
T	48 mm	Height
$C_r$	994.000 N	Basic dynamic load rating, radial
$C_{0r}$	3.830.000 N	Basic static load rating, radial
$\approx m$	8,6 kg	Weight

## Mounting dimensions

$r_{1\text{min}}$	3 mm	Edge Spacing
$r_{2\text{min}}$	1 mm	Edge Spacing
$d_{a\text{max}}$	167,2 mm	Connection measure Inner ring
$D_{a\text{min}}$	184 mm	Housing Connection Diameter
$D_{b\text{min}}$	216 mm	Connection diameter



## Dimensions

$d_K$	213 mm	Ball diameter
$D_1$	170,9 mm	Inner diameter of housing washer
B	45 mm	Width Inner ring
C	45 mm	Width Outer ring
s	21 mm	Plane Surface Spacing
A	24 mm	Distance lubrication Bore
$\alpha$	1,7 °	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	Outer diameter, upper tolerance
$D_{UT}$	-0,03 mm	Outside diameter, lower tolerance
$T_{OT}$	0,35 mm	Height, upper tolerance
$T_{UT}$	-0,35 mm	Height, lower tolerance
$C_{UT}$	0 mm	Width outer ring, upper tolerance
$C_{OT}$	-0,5 mm	Width outer ring, lower tolerance
$B_{OT}$	0 mm	Width inner ring, upper tolerance
$B_{UT}$	-0,5 mm	Width inner ring, lower tolerance
$d_2$	194 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