

**GE50-AW**

## Spherical plain bearing

Axial spherical plain bearing, maintenance-free, DIN ISO 12240-3, shaft location washer curved surface with hard chromium coating, open design

## Technical information



## Your current product variant

Maintenance	Maintenance free
Coating	Without
Material sliding Layer	ELGOGLIDE

## Main Dimensions &amp; Performance Data

d	50 mm	Bore diameter bearing
D	130 mm	Outside diameter bearing
T	42,5 mm	Height
B	33,5 mm	Width inner ring
C <sub>a</sub>	1.950.000 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
$d_2$	122,5 mm	Outer eye diameter
$d_3$	98 mm	Front surface diameter of shaft washer
$D_1$	69 mm	Bore diameter of housing washer
$C$	32 mm	Width Outer ring
$s$	30 mm	Plane Surface Spacing
$\alpha$	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	Outside diameter, upper tolerance
$D_{UT}$	-0,018 mm	Outside diameter, lower tolerance
$T_{OT}$	0 mm	Height, upper tolerance
$B_{OT}$	0 mm	Width inner ring, upper tolerance
$T_{UT}$	-0,4 mm	Height, lower tolerance
$B_{UT}$	-0,24 mm	Width inner ring, lower tolerance
$C_{OT}$	0 mm	Width outer ring, upper tolerance
$C_{UT}$	-0,24 mm	Width outer ring, lower tolerance

## Temperature range

$T_{min}$	-50 °C	Operating temperature min.
$T_{max}$	150 °C	Operating temperature max.



### Characteristics

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Radial load



Axial load in one direction



Lifetime lubrication, freedom from maintenance



Not sealed



Static angular error and misalignment



Dynamic angular error and misalignment