

**GE100-SW**

## Spherical plain bearing

Angular contact spherical plain bearing, maintenance-free, DIN ISO 12240-2, inner ring curved surface with hard chromium coating, open design

## Technical information

**Your current product variant**

Maintenance	Maintenance free
Material sliding Layer	ELGOGLIDE

**Main Dimensions & Performance Data**

d	100 mm	Bore diameter bearing
D	150 mm	Outside diameter bearing
T	32 mm	Height
B	30 mm	Width inner ring
$C_r$	1.020.000 N	Basic dynamic load rating, radial
$C_{0r}$	1.700.000 N	Basic static load rating, radial
$\approx m$	2,211 kg	Weight

**Mounting dimensions**

$r_{1smin}$	2 mm	Edge Spacing
$r_{2smin}$	0,6 mm	Edge Spacing
$d_{a max}$	112 mm	Connection measure Inner ring
$D_{b min}$	142 mm	Connection diameter
$d_{b max}$	128 mm	Connection measure Inner ring
$D_{a min}$	123 mm	Housing Connection Diameter



## Dimensions

$d_K$	140 mm	Ball diameter
$D_1$	114,3 mm	Bore diameter of housing washer
$C$	30 mm	Width Outer ring
$s$	12 mm	Plane Surface Spacing
$\alpha$	1,7 °	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
$D_{UT}$	-0,02 mm	Outside diameter, lower tolerance
$T_{OT}$	0,25 mm	Height, upper tolerance
$B_{OT}$	0 mm	Width inner ring, upper tolerance
$T_{UT}$	-0,25 mm	Height, lower tolerance
$B_{UT}$	-0,4 mm	Width inner ring, lower tolerance
$C_{OT}$	0 mm	Width outer ring, upper tolerance
$C_{UT}$	-0,4 mm	Width outer ring, lower tolerance

## Temperature range

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

## Characteristics

	Radial load
	Axial load in one direction
	Lifetime lubrication, freedom from maintenance
	Not sealed
	Static angular error and misalignment
	Dynamic angular error and misalignment