

**GE80-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	80 mm	Bore diameter bearing
D	125 mm	Outside diameter bearing
T	29 mm	Height
B	27 mm	Width inner ring
$C_r$	734.000 N	Basic dynamic load rating, radial
$C_{0r}$	1.220.000 N	Basic static load rating, radial
$\approx m$	1,53 kg	Weight

**Mounting dimensions**

$r_{1smin}$	1,5 mm	Edge Spacing
$r_{2smin}$	0,6 mm	Edge Spacing
$d_{a max}$	88 mm	Connection measure Inner ring
$D_{b min}$	117 mm	Connection diameter
$d_{b max}$	104 mm	Connection measure Inner ring
$D_{a min}$	99 mm	Housing Connection Diameter









## Dimensions

$d_K$	115 mm	Ball diameter
$D_1$	90,5 mm	Bore diameter of housing washer
$C$	27 mm	Width Outer ring
$s$	10 mm	Plane Surface Spacing
$\alpha$	2 °	Tilt angle
$d_{OT}$	0 mm	Bore diameter bearing, upper tolerance
$d_{UT}$	-0,015 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
$B_{UT}$	-0,3 mm	Width inner ring, lower tolerance
$C_{OT}$	0 mm	Width outer ring, upper tolerance
$C_{UT}$	-0,3 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