

**GE50-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	50 mm	Bore diameter bearing
D	80 mm	Outside diameter bearing
T	20 mm	Height
B	19 mm	Width inner ring
$C_r$	355.000 N	Basic dynamic load rating, radial
$C_{0r}$	592.000 N	Basic static load rating, radial
$\approx m$	0,445 kg	Weight

**Mounting dimensions**

$r_{1smin}$	1 mm	Edge Spacing
$r_{2smin}$	0,3 mm	Edge Spacing
$d_{a max}$	57,9 mm	Connection measure Inner ring
$D_{b min}$	75 mm	Connection diameter
$d_{b max}$	67 mm	Connection measure Inner ring
$D_{a min}$	65 mm	Housing Connection Diameter



## Dimensions

$d_K$	74 mm	Ball diameter
$D_1$	59,1 mm	Bore diameter of housing washer
$C$	19 mm	Width Outer ring
$s$	4 mm	Plane Surface Spacing
$\alpha$	1,6 °	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
$D_{UT}$	-0,016 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
$B_{UT}$	-0,24 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

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