

**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
α	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