



## GE90-DO

### Spherical plain bearing

Schaeffler ID:  
0066482820000

Radial spherical plain bearing, requiring maintenance, sliding contact surface: steel/steel, DIN ISO 12240-1, dimension series E, open design

#### Technical information

#### Main Dimensions & Performance Data

d	90 mm	Bore diameter bearing
D	130 mm	Outside diameter bearing
B	60 mm	Width Inner ring
$C_r$	489.000 N	Basic dynamic load rating, radial
$C_{0r}$	2.440.000 N	Basic static load rating, radial
	2,7 kg	Weight

#### Dimensions

C	50 mm	Width Outer ring
$d_K$	115 mm	Ball diameter
$\alpha$	5 °	Tilt angle
$r_{1smin}$	1 mm	Edge Spacing
$r_{2smin}$	1 mm	Edge Spacing
$d_{OT}$	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
$D_{UT}$	-0,018 mm	Outside diameter, lower tolerance
$B_{OT}$	0 mm	Width inner ring, upper tolerance
$G_r$	0,072 - 0,142 mm	Radial Clearance
$B_{UT}$	-0,2 mm	Width inner ring, lower tolerance
$C_{OT}$	0 mm	Width outer ring, upper tolerance
$C_{UT}$	-0,5 mm	Width outer ring, lower tolerance

#### Mounting dimensions

$d_{a max}$	98,1 mm	Connection measure Inner ring
$D_{a min}$	108 mm	Housing Connection Diameter

#### Temperature range

$T_{min}$	-60 °C	Operating temperature min.
$T_{max}$	200 °C	Operating temperature max.

