

**GE12-UK**

## Spherical plain bearing

Radial spherical plain bearing, maintenance-free, sliding layer: PTFE composite, inner ring curved surface with hard chromium coating, DIN ISO 12240-1, dimension series E, open design

## Technical information

**Your current product variant**

Maintenance	Maintenance free	
Type of Seal	Without	Without
Bore lining	Without	
Coating	Without	
Fabric	PTFE-composite	Composite Material based on a steel backing, sintered bronze layer, with inserted plastic material.
Material	Steel	

**Main Dimensions & Performance Data**

d	12 mm	Bore diameter bearing
C <sub>r</sub>	11.300 N	Basic dynamic load rating, radial
D	22 mm	Outside diameter bearing
B	10 mm	Width inner ring
C	7 mm	Width Outer ring
C <sub>0r</sub>	28.400 N	Basic static load rating, radial
≈m	15,66 g	Weight

**Mounting dimensions**

r <sub>1min</sub>	0,3 mm	Edge Spacing
r <sub>2min</sub>	0,3 mm	Edge Spacing
D <sub>amin</sub>	17,5 mm	Housing Connection Diameter
d <sub>amax</sub>	14,9 mm	Connection measurement, inner ring










## Dimensions

$d_K$	18 mm	Ball diameter
$\alpha$	11 °	Tilt angle
$D_{OT}$	0 mm	Outside diameter, upper tolerance
$D_{UT}$	-0,009 mm	Outside diameter, lower tolerance
$B_{OT}$	0 mm	Width inner ring, upper tolerance
$d_{UT}$	-0,008 mm	Bore diameter bearing, lower tolerance
$B_{UT}$	-0,12 mm	Width inner ring, lower tolerance
$d_{OT}$	0 mm	Bore diameter bearing, upper tolerance
$C_{OT}$	0 mm	Width outer ring, upper tolerance
$C_{UT}$	-0,24 mm	Width outer ring, lower tolerance
$G_r$	0 - 0,032	Radial Clearance
$G_{rmax}$	0,032 mm	Radial clearance, maximum
$G_{rmin}$	0 mm	Radial clearance, minimum

## Temperature range

$T_{min}$	-50 °C	Operating temperature min.
$T_{max}$	200 °C	Operating temperature max.

## Characteristics

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