

**GE30-PW**

## Spherical plain bearing



Radial spherical plain bearing, maintenance-free, sliding layer: PTFE film, brass outer ring, DIN ISO 12240-1, dimension series K, open design

## Technical information

**Your current product variant**

Maintenance	Maintenance free
Sealing	Without Without
Bore lining	Without
Coating	Without
Material	Steel

**Main Dimensions & Performance Data**

d	30 mm	Bore diameter bearing
$C_r$	114.000 N	Basic dynamic load rating, radial
D	55 mm	Outside diameter bearing
B	37 mm	Width inner ring
C	25 mm	Width Outer ring
$C_{0r}$	286.000 N	Basic static load rating, radial
$m$	0,385 kg	Weight

**Mounting dimensions**

$r_{1\text{min}}$	0,3 mm	Edge Spacing
$r_{2\text{min}}$	0,6 mm	Edge Spacing
$D_{\text{amin}}$	46 mm	Housing Connection Diameter
$d_{\text{amax}}$	34,8 mm	Connection measurement, inner ring




## Dimensions

$d_K$	50,8 mm	Ball diameter
$\alpha$	17 °	Tilt angle
$d_T$	H7	Bore diameter bearing, tolerance
$D_{OT}$	0 mm	Outside diameter, upper tolerance
$D_{UT}$	-0,013 mm	Outside diameter, lower tolerance
$B_{OT}$	0 mm	Width inner ring, upper tolerance
$d_{UT}$	0 mm	Bore diameter bearing, lower tolerance
$B_{UT}$	-0,12 mm	Width inner ring, lower tolerance
$d_{OT}$	0,021 mm	Bore diameter bearing, upper tolerance
$C_{OT}$	0 mm	Width outer ring, upper tolerance
$C_{UT}$	-0,3 mm	Width outer ring, lower tolerance
$G_r$	0,006 - 0,035	Radial Clearance
$G_{rmax}$	0,035 mm	Radial clearance, maximum
$G_{rmin}$	0,006 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