

**GE18-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	18 mm	Bore diameter bearing
C _r	47.300 N	Basic dynamic load rating, radial
D	35 mm	Outside diameter bearing
B	23 mm	Width inner ring
C	16,5 mm	Width Outer ring
C _{0r}	118.000 N	Basic static load rating, radial
m	0,107 kg	Weight

Mounting dimensions

r _{1min}	0,3 mm	Edge Spacing
r _{2min}	0,3 mm	Edge Spacing
D _{amin}	28,5 mm	Housing Connection Diameter
d _{amax}	21,8 mm	Connection measurement, inner ring




Dimensions

d_K	31,75 mm	Ball diameter
α	15 °	Tilt angle
d_T	H7	Bore diameter bearing, tolerance
D_{OT}	0 mm	Outside diameter, upper tolerance
D_{UT}	-0,011 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}	0,018 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	0,006 - 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