

**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
Type of Seal	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 _{1smin}	0,3 mm	Edge Spacing
r _{2smin}	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