

**GE25-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	25 mm	Bore diameter bearing
C _r	51.100 N	Basic dynamic load rating, radial
D	42 mm	Outside diameter bearing
B	20 mm	Width inner ring
C	16 mm	Width Outer ring
C _{0r}	128.000 N	Basic static load rating, radial
≈m	0,115 kg	Weight

Mounting dimensions

r _{1smin}	0,6 mm	Edge Spacing
r _{2smin}	0,6 mm	Edge Spacing
D _{amin}	33 mm	Housing Connection Diameter
d _{amax}	29,3 mm	Connection measurement, inner ring






Dimensions

d_K	35,5 mm	Ball diameter
α	7 °	Tilt angle
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}	-0,01 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 - 0,05	Radial Clearance
G_{rmax}	0,05 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