

**GE20-FW**

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 G, 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	20 mm	Bore diameter bearing
C_r	51.100 N	Basic dynamic load rating, radial
D	42 mm	Outside diameter bearing
B	25 mm	Width inner ring
C	16 mm	Width Outer ring
C_{0r}	128.000 N	Basic static load rating, radial
$\approx m$	0,156 kg	Weight



Mounting dimensions

$r_{1\text{min}}$	0,6 mm	Edge Spacing
$r_{2\text{min}}$	0,6 mm	Edge Spacing
D_{amin}	33 mm	Housing Connection Diameter
d_{amax}	25,2 mm	Connection measurement, inner ring

Dimensions

d_{κ}	35,5 mm	Ball diameter
α	17 °	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