

**GE80-FW-2TS**

Spherical plain bearing

Radial spherical plain bearing, maintenance-free, sliding layer: ELGOGLIDE, inner ring curved surface with hard chromium coating, DIN ISO 12240-1, dimension series G, sealed

Technical information



Your current product variant

Maintenance	Maintenance free	
Type of Sealing	2TS	Integrated triple lip high performance seals on both sides
Bore lining	Without	
Coating	Without	
Fabric	ELGOGLIDE	
Material	Steel	

Main Dimensions & Performance Data

d	80 mm	Bore diameter bearing
C_r	1.380.000 N	Basic dynamic load rating, radial
D	130 mm	Outside diameter bearing
B	75 mm	Width inner ring
C	50 mm	Width Outer ring
C_{0r}	2.300.000 N	Basic static load rating, radial
m	3,56 kg	Weight

Mounting dimensions

$r_{1\text{min}}$	1 mm	Edge Spacing
$r_{2\text{min}}$	1 mm	Edge Spacing
D_{amin}	108 mm	Housing Connection Diameter
d_{amax}	87,2 mm	Connection measurement, inner ring









Dimensions

d_K	115 mm	Ball diameter
α	14 °	Tilt angle
D_{OT}	0 mm	Outside diameter, upper tolerance
D_{UT}	-0,018 mm	Outside diameter, lower tolerance
B_{OT}	0 mm	Width inner ring, upper tolerance
d_{UT}	-0,015 mm	Bore diameter bearing, lower tolerance
B_{UT}	-0,15 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}	-0,5 mm	Width outer ring, lower tolerance
G_r	0 - 0,072	Radial Clearance
G_{rmax}	0,072 mm	Radial clearance, maximum
G_{rmin}	0 mm	Radial clearance, minimum

Temperature range

T_{min}	-30 °C	Operating temperature min.
T_{max}	100 °C	Operating temperature max.

Characteristics

-  Radial load
-  Axial load in one direction
-  Axial load in two directions
-  Lifetime lubrication, freedom from maintenance
-  Sealed on both sides
-  Static angular error and misalignment