



GE80-UK-2TS

Spherical plain bearing

Schaeffler ID:  
0559089930000

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

Technical information

Main Dimensions & Performance Data

D	[120] mm	Outside diameter bearing
d	[80] mm	Bore diameter bearing
B	[55] mm	Width Inner ring
C	[45] mm	Width Outer ring
C <sub>r</sub>	[1.130.000] N	Basic dynamic load rating, radial
C <sub>0r</sub>	[1.890.000] N	Basic static load rating, radial
	[2,26] kg	Weight

Mounting dimensions

r <sub>1smin</sub>	[1] mm	Edge Spacing
r <sub>2smin</sub>	[1] mm	Edge Spacing
d <sub>a max</sub>	[89,4] mm	Connection measure Inner ring
D <sub>a min</sub>	[99] mm	Housing Connection Diameter

Dimensions

d <sub>K</sub>	[105] mm	Ball diameter
α	[6] °	Tilt angle
G <sub>r</sub>	[0 - 0,072] mm	Radial Clearance
d <sub>OT</sub>	[0] mm	Bore diameter bearing, upper tolerance
d <sub>UT</sub>	[-0,015] mm	Bore diameter bearing, lower tolerance
D <sub>OT</sub>	[0] mm	Outside diameter, upper tolerance
D <sub>UT</sub>	[-0,015] mm	Outside diameter, lower tolerance
B <sub>OT</sub>	[0] mm	Width inner ring, upper tolerance
B <sub>UT</sub>	[-0,15] mm	Width inner ring, lower tolerance
C <sub>OT</sub>	[0] mm	Width outer ring, upper tolerance
C <sub>UT</sub>	[-0,4] mm	Width outer ring, lower tolerance

Temperature range

T <sub>min</sub>	[-30] °C	Operating temperature min.
T <sub>max</sub>	[100] °C	Operating temperature max.