



GE20-UK

Spherical plain bearing

Schaeffler ID:
0066500070000

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

Main Dimensions & Performance Data

D	35 mm	Outside diameter bearing
d	20 mm	Bore diameter bearing
B	16 mm	Width Inner ring
C	12 mm	Width Outer ring
C_r	31.300 N	Basic dynamic load rating, radial
C_{0r}	78.300 N	Basic static load rating, radial
	0,066 kg	Weight

Mounting dimensions

$r_{1\text{min}}$	0,3 mm	Edge Spacing
$r_{2\text{min}}$	0,3 mm	Edge Spacing
$d_{a\text{max}}$	24,1 mm	Connection measure Inner ring
$D_{a\text{min}}$	27,5 mm	Housing Connection Diameter

Dimensions

d_K	29 mm	Ball diameter
α	9 °	Tilt angle
G_r	0 - 0,04 mm	Radial Clearance
d_{OT}	0 mm	Bore diameter bearing, upper tolerance
d_{UT}	-0,01 mm	Bore diameter bearing, lower 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
B_{UT}	-0,12 mm	Width inner ring, lower tolerance
C_{OT}	0 mm	Width outer ring, upper tolerance
C_{UT}	-0,24 mm	Width outer ring, lower tolerance

Temperature range

T_{min}	-50 °C	Operating temperature min.
T_{max}	200 °C	Operating temperature max.

