



GE30-PB

Spherical plain bearing

Schaeffler ID:
0066529050000

Radial spherical plain bearing, requiring maintenance, sliding contact surface: steel/bronze, DIN ISO 12240-1, dimension series K, open design

Technical information

Main Dimensions & Performance Data

d	30 mm	Bore diameter bearing
D	55 mm	Outside diameter bearing
B	37 mm	Width Inner ring
C_r	63,500 N	Basic dynamic load rating, radial
C_{0r}	159,000 N	Basic static load rating, radial
	0.385 kg	Weight

Dimensions

C	25 mm	Width Outer ring
d_K	50.8 mm	Ball diameter
α	17 °	Tilt angle
$r_{1\text{min}}$	0.3 mm	Edge Spacing
$r_{2\text{min}}$	0.6 mm	Edge Spacing
d_{OT}	0.021 mm	Bore diameter bearing, upper tolerance
d_{UT}	0 mm	Bore diameter bearing, lower tolerance
d_T	H7 mm	Bore diameter bearing, tolerance
D_{OT}	0 mm	Outside diameter, upper tolerance
D_{UT}	-0.013 mm	Outside diameter, lower tolerance
B_{OT}	0 mm	Width inner ring, upper tolerance
G_r	0,006 - 0,035 mm	Radial Clearance
B_{UT}	-0.12 mm	Width inner ring, lower tolerance
C_{OT}	0 mm	Width outer ring, upper tolerance

Mounting dimensions

$d_{a\text{max}}$	34.8 mm	Connection measure Inner ring
$D_{a\text{min}}$	46 mm	Housing Connection Diameter

Temperature range

T_{min}	-60 °C	Operating temperature min.
T_{max}	250 °C	Operating temperature max.

