

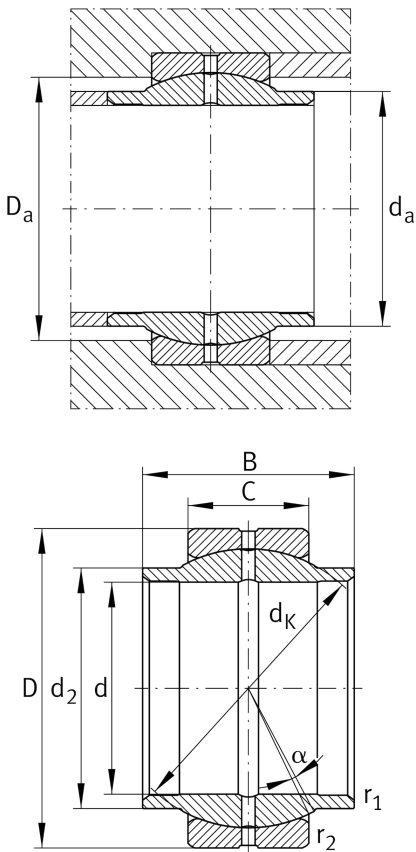
GE90-LO

Spherical plain bearing

Schaeffler ID:
0066535530000

Radial spherical plain bearing, requiring maintenance, sliding contact surface: steel/ steel; DIN ISO 12240-1, dimension series W; cylindrical extensions on inner ring; open design

Technical information



Main Dimensions & Performance Data

d	90 mm	Bore diameter bearing
D	130 mm	Outside diameter bearing
B	90 mm	Width Inner ring
C _r	489,000 N	Basic dynamic load rating, radial
C _{0r}	2,440,000 N	Basic static load rating, radial
	2.906 kg	Weight

Dimensions

C	50 mm	Width Outer ring
d _K	115 mm	Ball diameter
α	4 °	Tilt angle
r _{1smin}	1 mm	Edge Spacing
r _{2smin}	1 mm	Edge Spacing
d _{OT}	0.035 mm	Bore diameter bearing, upper tolerance
D _{UT}	-0.018 mm	Outside diameter, lower tolerance
G _r	0,072 - 0,142 mm	Radial Clearance
B _{UT}	-0.35 mm	Width inner ring, lower tolerance
C _{OT}	-0.5 mm	Width outer ring, lower tolerance

Mounting dimensions

d _{a max}	99 mm	Connection measure Inner ring
D _{a min}	108 mm	Housing Connection Diameter

Temperature range

T _{min}	-60 °C	Operating temperature min.
T _{max}	200 °C	Operating temperature max.