



GE35-UK-2RS

Spherical plain bearing

Schaeffler ID:
0066502280000

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	55 mm	Outside diameter bearing
d	35 mm	Bore diameter bearing
B	25 mm	Width Inner ring
C	20 mm	Width Outer ring
C_r	212,000 N	Basic dynamic load rating, radial
C_{0r}	353,000 N	Basic static load rating, radial
	0.212 kg	Weight

Mounting dimensions

$r_{1\text{min}}$	0.6 mm	Edge Spacing
$r_{2\text{min}}$	1 mm	Edge Spacing
$d_{a\text{max}}$	39.8 mm	Connection measure Inner ring
$D_{a\text{min}}$	44.5 mm	Housing Connection Diameter

Dimensions

d_K	47 mm	Ball diameter
α	6 °	Tilt angle
G_r	0 - 0,05 mm	Radial Clearance
d_{OT}	0 mm	Bore diameter bearing, upper tolerance
d_{UT}	-0.012 mm	Bore diameter bearing, lower 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
B_{UT}	-0.12 mm	Width inner ring, lower tolerance
C_{OT}	0 mm	Width outer ring, upper tolerance
C_{UT}	-0.3 mm	Width outer ring, lower tolerance

Temperature range

T_{min}	-30 °C	Operating temperature min.
T_{max}	130 °C	Operating temperature max.

