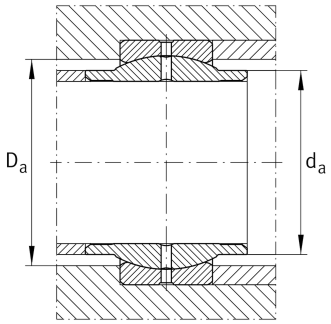
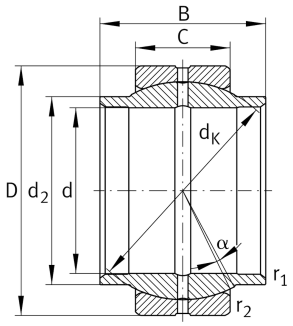
GE320-LO

Spherical plain bearing

High performance Radial spherical plain bearing, requiring maintenance, sliding contact surface: steel/steel, DIN ISO 12240-1, dimension series W, cylindrical extensions on inner ring, open designHigh-performance: For highest load rating and lifetime demands

Technical information





Your current product variant

Maintenance	Maintenance required	
Material	Steel	
Sealing	Without	
Radial internal clearance	CN (Group N)	Normal internal clearance
Coating	Durotect M	Inner- and outer ring coated with Durotect M (Manganese Phosphate)

Main Dimensions & Performance Data

d	320 mm	Bore diameter bearing
D	520 mm	Outside diameter bearing
B	320 mm	Width inner ring
C_r	9.010.000 N	Basic dynamic load rating, radial
C_{0r}	34.700.000 N	Basic static load rating, radial
≈m	224,3 kg	Weight

Mounting dimensions

r_{1smin}	2,5 mm	Edge Spacing
r_{2smin}	4 mm	Edge Spacing
$d_{a\ max}$	405 mm	Connection measure Inner ring
$D_{a\ min}$	438 mm	Housing Connection Diameter

Dimensions

C	160 mm	Width Outer ring
d_K	450 mm	Ball diameter
α	4 °	Tilt angle
d_{OT}	0,057 mm	Bore diameter bearing, upper tolerance
d_{UT}	0 mm	Bore diameter bearing, lower tolerance
D_{OT}	0 mm	Outside diameter, upper tolerance
D_{UT}	-0,05 mm	Outside diameter, lower tolerance
B_{OT}	0 mm	Width inner ring, upper tolerance
B_{UT}	-0,57 mm	Width inner ring, lower tolerance
C_{OT}	0 mm	Width outer ring, upper tolerance
C_{UT}	-1 mm	Width outer ring, lower tolerance
G_r	0,135 - 0,261	Radial Clearance
G_{rmax}	0,261 mm	Radial clearance, maximum
G_{rmin}	0,135 mm	Radial clearance, minimum

Temperature range

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

Characteristics

Radial load

Axial load in one direction

Axial load in two directions


Grease Lubrication


Not sealed


Large bearing


Static angular error and misalignment


Dynamic angular error and misalignment