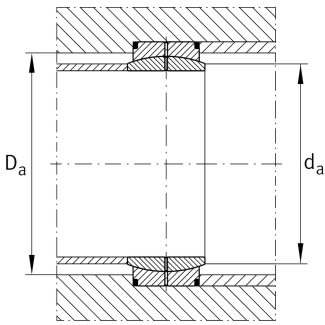


**GE440-DO**

Spherical plain bearing

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

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	440 mm	Bore diameter bearing
D	600 mm	Outside diameter bearing
B	218 mm	Width inner ring
C_r	12.100.000 N	Basic dynamic load rating, radial
C_{0r}	46.500.000 N	Basic static load rating, radial
$\approx m$	192,6 kg	Weight

Mounting dimensions

$r_{1\text{min}}$	1,5 mm	Edge Spacing
$r_{2\text{min}}$	4 mm	Edge Spacing
$d_{a\text{max}}$	472 mm	Connection measure Inner ring
$D_{a\text{min}}$	491 mm	Housing Connection Diameter



Dimensions

C	185 mm	Width Outer ring
d _K	520 mm	Ball diameter
α	3,9 °	Tilt angle
d _{OT}	0 mm	Bore diameter bearing, upper tolerance
d _{UT}	-0,045 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}	-0,45 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	0,145 - 0,285	Radial Clearance
G _{rmax}	0,285 mm	Radial clearance, maximum
G _{rmin}	0,145 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