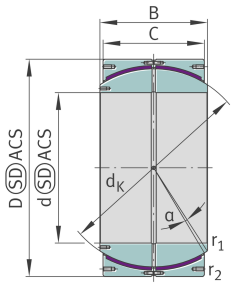
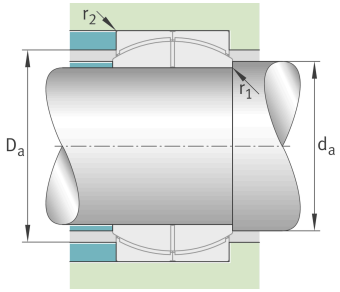
GE500-HF

Spherical plain bearing

Radial spherical plain bearing, maintenance-free, sliding contact surface: GFK / Durotect CMT, DIN ISO 12240-1, dimension series H, open design

Technical information





Your current product variant

Maintenance	Maintenance free	
Sealing	Without	Without
Radial internal clearance	CN (Group N)	Normal internal clearance
Bore lining	Without	
Coating	Without	
Fabric	GFK+PTFE	Glass fibre-reinforced sliding plastic plate with additives of PTFE
Material	Steel	

Main Dimensions & Performance Data

d	500 mm	Bore diameter bearing
C_r	15.300.000 N	Basic dynamic load rating, radial
D	710 mm	Outside diameter bearing
B	355 mm	Width inner ring
C	335 mm	Width Outer ring
C_{0r}	23.200.000 N	Basic static load rating, radial
≈m	500 kg	Weight

Mounting dimensions

r_{1smin}	2 mm	Edge Spacing
r_{2smin}	5 mm	Edge Spacing
D_{amin}	598 mm	Housing Connection Diameter
d_{amax}	536 mm	Connection measurement, inner ring

Dimensions

d_K	643 mm	Ball diameter
α	2 °	Tilt angle
D_{OT}	0 mm	Outside diameter, upper tolerance
D_{UT}	-0,075 mm	Outside diameter, lower tolerance
B_{OT}	0 mm	Width inner ring, upper tolerance
d_{UT}	-0,075 mm	Bore diameter bearing, lower tolerance
B_{UT}	-0,45 mm	Width inner ring, lower tolerance
d_{OT}	0 mm	Bore diameter bearing, upper tolerance
C_{OT}	0 mm	Width outer ring, upper tolerance
C_{UT}	-1,1 mm	Width outer ring, lower tolerance
G_r	0,145 - 0,570 mm	Radial Clearance
G_{rmax}	0,57 mm	Radial clearance, maximum
G_{rmin}	0,145 mm	Radial clearance, minimum

Temperature range

T_{min}	-20 °C	Operating temperature min.
T_{max}	75 °C	Operating temperature max.

Characteristics

Radial load

Axial load in one direction

Axial load in two directions

Lifetime lubrication, freedom from maintenance


Grease Lubrication


Not sealed


Large bearing


Static angular error and misalignment


Dynamic angular error and misalignment