

**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
$\approx m$	500 kg	Weight



Mounting dimensions

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

Dimensions










d_{κ}	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