

**GE200-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	200 mm	Bore diameter bearing
$C_r$	2.450.000 N	Basic dynamic load rating, radial
D	290 mm	Outside diameter bearing
B	140 mm	Width inner ring
C	134 mm	Width Outer ring
$C_{0r}$	3.650.000 N	Basic static load rating, radial
$\approx m$	33,5 kg	Weight



### Mounting dimensions

$r_{1\text{min}}$	1,1 mm	Edge Spacing
$r_{2\text{min}}$	1,1 mm	Edge Spacing
$D_{\text{amin}}$	242 mm	Housing Connection Diameter
$d_{\text{amax}}$	219 mm	Connection measurement, inner ring

### Dimensions

$d_{\kappa}$	260 mm	Ball diameter
$\alpha$	2 °	Tilt angle
$D_{\text{OT}}$	0 mm	Outside diameter, upper tolerance
$D_{\text{UT}}$	-0,035 mm	Outside diameter, lower tolerance
$B_{\text{OT}}$	0 mm	Width inner ring, upper tolerance
$d_{\text{UT}}$	-0,03 mm	Bore diameter bearing, lower tolerance
$B_{\text{UT}}$	-0,3 mm	Width inner ring, lower tolerance
$d_{\text{OT}}$	0 mm	Bore diameter bearing, upper tolerance
$C_{\text{OT}}$	0 mm	Width outer ring, upper tolerance
$C_{\text{UT}}$	-0,7 mm	Width outer ring, lower tolerance
$G_{\text{r}}$	0.100 - 0.355 mm	Radial Clearance
$G_{\text{rmax}}$	0,355 mm	Radial clearance, maximum
$G_{\text{rmin}}$	0,1 mm	Radial clearance, minimum










### Temperature range

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



### Characteristics

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-  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