

**FAG****UC205**

## Radial insert ball bearing

Radial insert ball bearings UC, spherical outer ring, location by grub screws, RSR seals on both sides

## Technical information

**Main Dimensions & Performance Data**

d	25 mm	Bore diameter
D <sub>SP</sub>	52 mm	Outside diameter
B	34.1 mm	Width
C <sub>0r</sub>	7,800 N	Basic static load rating, radial
C <sub>ur</sub>	410 N	Fatigue load limit, radial
C <sub>r</sub>	14,900 N	Basic dynamic load rating, radial
≈m	200 g	Weight

**Dimensions**

C	17 mm	Width, outer ring
C <sub>2</sub>	17.6 mm	Sealing total width
S	14.3 mm	Distance raceway
d <sub>1</sub>	33.83 mm	Rib diameter inner ring
C <sub>a</sub>	4.2 mm	Distance to lubrication hole
A	5 mm	Distance thread
W	3 mm	Width of flats

**Temperature range**

T <sub>min</sub>	-20 °C	Operating temperature min.
T <sub>max</sub>	100 °C	Operating temperature max.



### Calculation factors

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$f_0$	13.8	Calculation factor
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### Characteristics

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-  Radial load
-  Axial load in one direction
-  Axial load in two directions
-  Lifetime lubrication, freedom from maintenance
-  Grease Lubrication
-  Sealed on both sides
-  Static angular error and misalignment