

**FAG****UC209-27**

## 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	42,863 mm	Bore diameter
d	42,862 mm	Bore diameter, inch
D <sub>SP</sub>	85 mm	Outside diameter
B	49,2 mm	Width
C <sub>0r</sub>	20.400 N	Basic static load rating, radial
C <sub>ur</sub>	1.060 N	Fatigue load limit, radial
C <sub>r</sub>	34.500 N	Basic dynamic load rating, radial
≈m	0,724 kg	Weight

**Dimensions**

C	22 mm	Width, outer ring
C <sub>2</sub>	22,6 mm	Sealing total width
S	19 mm	Distance raceway
d <sub>1</sub>	57,91 mm	Rib diameter inner ring
C <sub>a</sub>	6,3 mm	Distance to lubrication hole
A	8 mm	Distance thread

**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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$f_0$	14,1	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