

**FAG****UC216-49**

## 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	77,788 mm	Bore diameter
d	77,787 mm	Bore diameter, inch
D <sub>SP</sub>	140 mm	Outside diameter
B	82,6 mm	Width
C <sub>0r</sub>	54.000 N	Basic static load rating, radial
C <sub>ur</sub>	2.700 N	Fatigue load limit, radial
C <sub>r</sub>	76.000 N	Basic dynamic load rating, radial
≈m	2,88 kg	Weight

**Dimensions**

C	33 mm	Width, outer ring
C <sub>2</sub>	34,4 mm	Sealing total width
S	33,3 mm	Distance raceway
d <sub>1</sub>	97 mm	Rib diameter inner ring
C <sub>a</sub>	9,3 mm	Distance to lubrication hole
A	14 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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$f_0$	14,7	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