



## 3003-2RS

Angular contact ball bearing

Schaeffler ID:  
0008706500000

Angular contact ball bearing 30..-B-2RS-TVH, double row, seals, plastic cage

### Technical information

#### Main Dimensions & Performance Data

d	17 mm	Bore diameter
D	35 mm	Outside diameter
B	14 mm	Width
C <sub>r</sub>	9.100 N	Basic dynamic load rating, radial
C <sub>0r</sub>	6.100 N	Basic static load rating, radial
C <sub>ur</sub>	315 N	Fatigue load limit, radial
n <sub>G</sub>	12.300 1/min	Limiting speed
	0,057 kg	Weight

#### Dimensions

r <sub>min</sub>	0,3 mm	Minimum chamfer dimension
D <sub>2</sub>	29,8 mm	Caliber diameter outer ring
d <sub>2</sub>	21 mm	Caliber diameter inner ring
a	17,1 mm	Distance between the apexes of the pressure cones
α	25 °	Contact angle

#### Mounting dimensions

d <sub>a min</sub>	19 mm	Minimum diameter shaft shoulder
D <sub>a max</sub>	33 mm	Maximum diameter of housing shoulder
r <sub>a max</sub>	0,3 mm	Maximum fillet radius

#### Temperature range

T <sub>min</sub>	-20 °C	Operating temperature min.
T <sub>max</sub>	110 °C	Operating temperature max.