

**FAG****3307-BD-XL-2HRS-TVH**

Angular contact ball bearing

Schaeffler ID:  
0638742290000Angular contact ball bearing 33..-BD-  
XL-2HRS-TVH, double row, X-life, seals,  
plastic cage**X-life**

## Technical information

**Main Dimensions & Performance Data**

d	35 mm	Bore diameter
D	80 mm	Outside diameter
B	34,9 mm	Width
C <sub>r</sub>	55.000 N	Basic dynamic load rating, radial
C <sub>0r</sub>	36.500 N	Basic static load rating, radial
C <sub>ur</sub>	2.550 N	Fatigue load limit, radial
n <sub>G</sub>	6.800 1/min	Limiting speed
	0,72 kg	Weight

**Dimensions**

r <sub>min</sub>	1,5 mm	Minimum chamfer dimension
D <sub>2</sub>	71,9 mm	Caliber diameter outer ring
d <sub>2</sub>	49,6 mm	Caliber diameter inner ring
a	48 mm	Distance between the apexes of the pressure cones
α	30 °	Contact angle

**Mounting dimensions**

d <sub>a min</sub>	44 mm	Minimum diameter shaft shoulder
D <sub>a max</sub>	71 mm	Maximum diameter of housing shoulder
r <sub>a max</sub>	1,5 mm	Maximum fillet radius

**Temperature range**

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