

**FAG****3205-BD-XL-2Z-TVH**

Angular contact ball bearing

Schaeffler ID:  
0636598750000Angular contact ball bearing 32..-BD-  
XL-2Z-TVH, double row, X-life, shields,  
plastic cage**X-life**

## Technical information

**Main Dimensions & Performance Data**

d	25 mm	Bore diameter
D	52 mm	Outside diameter
B	20,6 mm	Width
C <sub>r</sub>	22.000 N	Basic dynamic load rating, radial
C <sub>0r</sub>	15.200 N	Basic static load rating, radial
C <sub>ur</sub>	1.050 N	Fatigue load limit, radial
n <sub>G</sub>	10.700 1/min	Limiting speed
n <sub>gr</sub>	12.500 1/min	Reference speed
	0,175 kg	Weight

**Dimensions**

r <sub>min</sub>	1 mm	Minimum chamfer dimension
D <sub>2</sub>	47,6 mm	Caliber diameter outer ring
d <sub>2</sub>	34,2 mm	Caliber diameter inner ring
a	30,8 mm	Distance between the apexes of the pressure cones
α	30 °	Contact angle

**Mounting dimensions**

d <sub>a min</sub>	30,6 mm	Minimum diameter shaft shoulder
D <sub>a max</sub>	46,4 mm	Maximum diameter of housing shoulder
r <sub>a max</sub>	1 mm	Maximum fillet radius

**Temperature range**

T <sub>min</sub>	-20 °C	Operating temperature min.
T <sub>max</sub>	120 °C	Operating temperature max.