

**FAG****7303-B-XL-2RS-TVP**

Angular contact ball bearing

Schaeffler ID:  
0206766540000Angular contact ball bearing 73..-B-  
XL-2RS-TVP, single row, X-life, seals,  
plastic cage**X-life**

## Technical information

**Main Dimensions & Performance Data**

d	17 mm	Bore diameter
D	47 mm	Outside diameter
B	14 mm	Width
C <sub>r</sub>	18.700 N	Basic dynamic load rating, radial
C <sub>0r</sub>	9.000 N	Basic static load rating, radial
C <sub>ur</sub>	620 N	Fatigue load limit, radial
n <sub>G</sub>	9.800 1/min	Limiting speed
	0,001 kg	Weight

**Additional information**

r <sub>min</sub>	1 mm	Minimum chamfer dimension
r <sub>1 min</sub>	0,6 mm	Minimum chamfer dimension
D <sub>1</sub>	35,5 mm	Shoulder diameter on outer ring wide side face
D <sub>2</sub>	37,2 mm	Caliber diameter on outer ring wide side face
D <sub>3</sub>	42,6 mm	Caliber diameter on outer ring small side face
d <sub>1</sub>	29,2 mm	Shoulder diameter on inner ring wide side face
d <sub>2</sub>	26,1 mm	Caliber diameter on inner ring wide side face
a	20 mm	Distance between the apexes of the pressure cones
α	40 °	Contact angle

**Mounting dimensions**

d <sub>a min</sub>	22,6 mm	Minimum diameter of shaft shoulder
D <sub>a max</sub>	41,4 mm	Maximum diameter of housing shoulder
D <sub>b max</sub>	42,8 mm	Maximaler Durchmesser der Gehäuseschulter
r <sub>a max</sub>	1 mm	Maximum fillet radius of shaft
r <sub>a1 max</sub>	0,6 mm	Maximum fillet radius of housing

**Temperature range**

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