

**FAG****7314-B-XL-TVP**

Angular contact ball bearing

Schaeffler ID:  
0167262860000Angular contact ball bearing 73..-B-XL-  
TVP, single row, X-life, plastic cage**X-life**

## Technical information

**Main Dimensions & Performance Data**

d	70 mm	Bore diameter
D	150 mm	Outside diameter
B	35 mm	Width
C <sub>r</sub>	126.000 N	Basic dynamic load rating, radial
C <sub>0r</sub>	93.000 N	Basic static load rating, radial
C <sub>ur</sub>	6.200 N	Fatigue load limit, radial
n <sub>G</sub>	6.000 1/min	Limiting speed
n <sub>gr</sub>	4.750 1/min	Reference speed
	2,555 kg	Weight

**Additional information**

r <sub>min</sub>	2,1 mm	Minimum chamfer dimension
r <sub>1 min</sub>	1,1 mm	Minimum chamfer dimension
D <sub>1</sub>	119,6 mm	Shoulder diameter on outer ring wide side face
d <sub>1</sub>	102,3 mm	Shoulder diameter on inner ring wide side face
a	64 mm	Distance between the apexes of the pressure cones
α	40 °	Contact angle

**Mounting dimensions**

d <sub>a min</sub>	82 mm	Minimum diameter of shaft shoulder
D <sub>a max</sub>	138 mm	Maximum diameter of housing shoulder
D <sub>b max</sub>	143 mm	Maximaler Durchmesser der Gehäuseschulter
r <sub>a max</sub>	2,1 mm	Maximum fillet radius of shaft
r <sub>a1 max</sub>	1 mm	Maximum fillet radius of housing

**Temperature range**

T <sub>min</sub>	-30 °C	Operating temperature min.
T <sub>max</sub>	120 °C	Operating temperature max.