

**FAG****7210-B-XL-TVP**

Angular contact ball bearing

Schaeffler ID:  
0167252630000Angular contact ball bearing 72..-B-XL-  
TVP, single row, X-life, plastic cage

X-life

## Technical information

**Main Dimensions & Performance Data**

d	50 mm	Bore diameter
D	90 mm	Outside diameter
B	20 mm	Width
C <sub>r</sub>	41.500 N	Basic dynamic load rating, radial
C <sub>0r</sub>	28.500 N	Basic static load rating, radial
C <sub>ur</sub>	1.970 N	Fatigue load limit, radial
n <sub>G</sub>	10.300 1/min	Limiting speed
n <sub>gr</sub>	7.600 1/min	Reference speed
	0,455 kg	Weight

**Additional information**

r <sub>min</sub>	1,1 mm	Minimum chamfer dimension
r <sub>1 min</sub>	0,6 mm	Minimum chamfer dimension
D <sub>1</sub>	74,8 mm	Shoulder diameter on outer ring wide side face
d <sub>1</sub>	66,3 mm	Shoulder diameter on inner ring wide side face
a	39 mm	Distance between the apexes of the pressure cones
α	40 °	Contact angle

**Mounting dimensions**

d <sub>a min</sub>	57 mm	Minimum diameter of shaft shoulder
D <sub>a max</sub>	83 mm	Maximum diameter of housing shoulder
D <sub>b max</sub>	85,8 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>	-30 °C	Operating temperature min.
T <sub>max</sub>	120 °C	Operating temperature max.