

**FAG****7310-B-XL-JP**

Angular contact ball bearing

Schaeffler ID:  
0191173700000Angular contact ball bearing 73..-B-XL-JP,  
single row, X-life, steel sheet metal cage**X-life**

## Technical information

**Main Dimensions & Performance Data**

d	50 mm	Bore diameter
D	110 mm	Outside diameter
B	27 mm	Width
C <sub>r</sub>	80.000 N	Basic dynamic load rating, radial
C <sub>0r</sub>	50.000 N	Basic static load rating, radial
C <sub>ur</sub>	3.500 N	Fatigue load limit, radial
n <sub>G</sub>	8.400 1/min	Limiting speed
n <sub>gr</sub>	6.100 1/min	Reference speed
	1,1 kg	Weight

**Additional information**

r <sub>min</sub>	2 mm	Minimum chamfer dimension
r <sub>1 min</sub>	1 mm	Minimum chamfer dimension
D <sub>1</sub>	87,6 mm	Shoulder diameter on outer ring wide side face
d <sub>1</sub>	73,1 mm	Shoulder diameter on inner ring wide side face
a	47 mm	Distance between the apexes of the pressure cones
α	40 °	Contact angle

**Mounting dimensions**

d <sub>a min</sub>	61 mm	Minimum diameter of shaft shoulder
D <sub>a max</sub>	99 mm	Maximum diameter of housing shoulder
D <sub>b max</sub>	104,4 mm	Maximaler Durchmesser der Gehäuseschulter
r <sub>a max</sub>	2 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>	150 °C	Operating temperature max.