

FAG

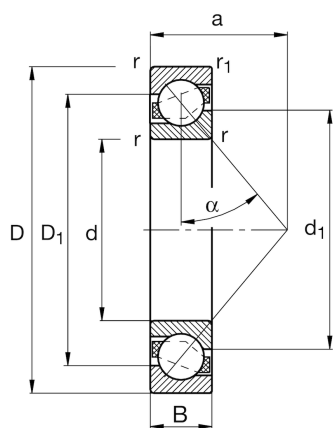
**7302-B-XL-JP**

Angular contact ball bearing

Schaeffler ID:  
0191165780000Angular contact ball bearing 73..-B-XL-JP,  
single row, X-life, steel sheet metal cage

X-life

## Technical information



## Main Dimensions &amp; Performance Data

d	15 mm	Bore diameter
D	42 mm	Outside diameter
B	13 mm	Width
C <sub>r</sub>	15.100 N	Basic dynamic load rating, radial
C <sub>0r</sub>	7.200 N	Basic static load rating, radial
C <sub>ur</sub>	495 N	Fatigue load limit, radial
n <sub>G</sub>	24.400 1/min	Limiting speed
n <sub>gr</sub>	14.200 1/min	Reference speed
	78 g	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>	31,7 mm	Shoulder diameter on outer ring wide side face
d <sub>1</sub>	26 mm	Shoulder diameter on inner ring wide side face
a	18 mm	Distance between the apexes of the pressure cones
α	40 °	Contact angle

## Mounting dimensions

d <sub>a min</sub>	20,6 mm	Minimum diameter of shaft shoulder
D <sub>a max</sub>	36,4 mm	Maximum diameter of housing shoulder
D <sub>b max</sub>	37,8 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>	150 °C	Operating temperature max.

