

FAG

7315-B-XL-MP-UA

Angular contact ball bearing

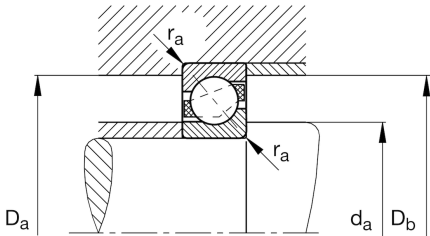
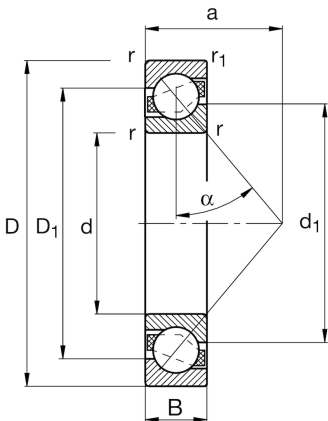
Schaeffler ID:  
0167263160000

Angular contact ball bearing 73..-B-XL-MP,  
single row, X-life, solid brass cage



X-life

Technical information



Main Dimensions & Performance Data

d	2,953 in	Bore diameter
D	6,299 in	Outside diameter
B	1,457 in	Width
C <sub>r</sub>	31.474,82 lbf	Basic dynamic load rating, radial
C <sub>0r</sub>	24.055,755 lbf	Basic static load rating, radial
C <sub>ur</sub>	1.551,259 lbf	Fatigue load limit, radial
n <sub>G</sub>	7.300 1/min	Limiting speed
n <sub>gr</sub>	4.500 1/min	Reference speed
	7,595 lbs	Weight

Mounting dimensions

d <sub>a min</sub>	3,425 in	Minimum diameter of shaft shoulder
D <sub>a max</sub>	5,827 in	Maximum diameter of housing shoulder
D <sub>b max</sub>	6,024 in	Maximum diameter of housing shoulder
r <sub>a max</sub>	0,083 in	Maximum fillet radius of shaft
r <sub>a1 max</sub>	0,039 in	Maximum fillet radius of housing

Dimensions

r <sub>min</sub>	0,083 in	Minimum chamfer dimension
r <sub>1 min</sub>	0,043 in	Minimum chamfer dimension
D <sub>1</sub>	5,039 in	Shoulder diameter on outer ring wide side face
d <sub>1</sub>	4,299 in	Shoulder diameter on inner ring wide side face
a	2,677 in	Distance between the apexes of the pressure cones
α	40 °	Contact angle

Temperature range

T <sub>min</sub>	-22 °F	Operating temperature min.
T <sub>max</sub>	302 °F	Operating temperature max.

The datasheet is only an overview of dimensions and basic load ratings of the selected product. Please always observe all further information and guidelines for this product. For further information you can use the contact form on our website.

Additional information

A <sub>min</sub>	0,00197 in	Axial clearance per set min.
Tol (+)	0,00047 in	Tolerance for axial clearance or preload per set