

FAG

7312-B-XL-JP-UO

Angular contact ball bearing

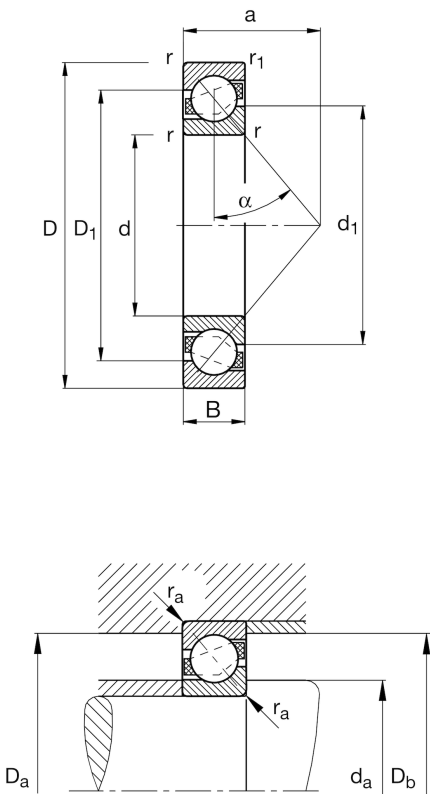
Schaeffler ID:  
0191176040000

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



X-life

Technical information



Main Dimensions & Performance Data

d	2,362 in	Bore diameter
D	5,118 in	Outside diameter
B	1,22 in	Width
C <sub>r</sub>	21.582,734 lbf	Basic dynamic load rating, radial
C <sub>0r</sub>	15.512,59 lbf	Basic static load rating, radial
C <sub>ur</sub>	1.067,896 lbf	Fatigue load limit, radial
n <sub>G</sub>	7.000 1/min	Limiting speed
n <sub>gr</sub>	5.300 1/min	Reference speed
	3,858 lbs	Weight

Mounting dimensions

d <sub>a min</sub>	2,835 in	Minimum diameter of shaft shoulder
D <sub>a max</sub>	4,646 in	Maximum diameter of housing shoulder
D <sub>b max</sub>	4,843 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>	4,071 in	Shoulder diameter on outer ring wide side face
d <sub>1</sub>	3,437 in	Shoulder diameter on inner ring wide side face
a	2,165 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.

Additional information

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