

FAG

7314-B-XL-MP-UA

Angular contact ball bearing

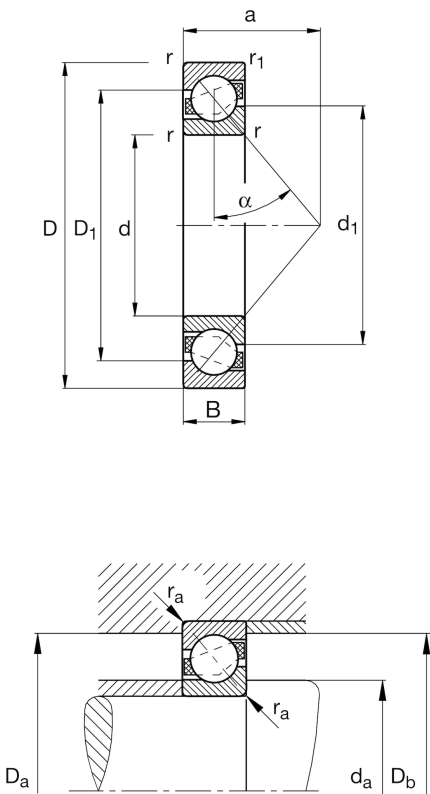
Schaeffler ID:
0167262780000

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



X-life

Technical information



Main Dimensions & Performance Data

d	2,756 in	Bore diameter
D	5,906 in	Outside diameter
B	1,378 in	Width
C _r	28.327,338 lbf	Basic dynamic load rating, radial
C _{0r}	20.908,273 lbf	Basic static load rating, radial
C _{ur}	1.393,885 lbf	Fatigue load limit, radial
n _G	7.800 1/min	Limiting speed
n _{gr}	4.750 1/min	Reference speed
	6,294 lbs	Weight

Mounting dimensions

d _{a min}	3,228 in	Minimum diameter of shaft shoulder
D _{a max}	5,433 in	Maximum diameter of housing shoulder
D _{b max}	5,63 in	Maximum diameter of housing shoulder
r _{a max}	0,083 in	Maximum fillet radius of shaft
r _{a1 max}	0,039 in	Maximum fillet radius of housing

Dimensions

r _{min}	0,083 in	Minimum chamfer dimension
r _{1 min}	0,043 in	Minimum chamfer dimension
D ₁	4,709 in	Shoulder diameter on outer ring wide side face
d ₁	4,026 in	Shoulder diameter on inner ring wide side face
a	2,52 in	Distance between the apexes of the pressure cones
α	40 °	Contact angle

Temperature range

T _{min}	-22 °F	Operating temperature min.
T _{max}	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 _{min}	0,00197 in	Axial clearance per set min.
Tol (+)	0,00047 in	Tolerance for axial clearance or preload per set