



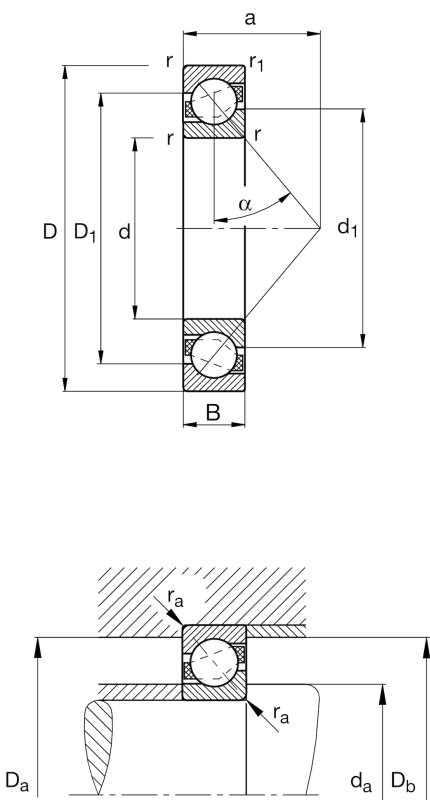
FAG

7304-B-XL-TVP-UA
Angular contact ball bearing

Schaeffler ID:
0191167480000

Angular contact ball bearing 73..-B-XL-TVP, single row, X-life, plastic cage

Technical information



Main Dimensions & Performance Data

d	0,787 in	Bore diameter
D	2,047 in	Outside diameter
B	0,591 in	Width
C _r	4.878,597 lbf	Basic dynamic load rating, radial
C _{0r}	2.495,504 lbf	Basic static load rating, radial
C _{ur}	173,112 lbf	Fatigue load limit, radial
n _G	19.300 1/min	Limiting speed
n _{gr}	11.500 1/min	Reference speed
	0,32 lbs	Weight

Mounting dimensions

d _{a min}	1,063 in	Minimum diameter of shaft shoulder
D _{a max}	1,772 in	Maximum diameter of housing shoulder
D _{b max}	1,882 in	Maximum diameter of housing shoulder
r _{a max}	0,039 in	Maximum fillet radius of shaft
r _{a1 max}	0,024 in	Maximum fillet radius of housing

Dimensions

r _{min}	0,043 in	Minimum chamfer dimension
r _{1 min}	0,024 in	Minimum chamfer dimension
D ₁	1,563 in	Shoulder diameter on outer ring wide side face
d ₁	1,299 in	Shoulder diameter on inner ring wide side face
a	0,906 in	Distance between the apexes of the pressure cones
α	40 °	Contact angle

Temperature range

T _{min}	-22 °F	Operating temperature min.
T _{max}	248 °F	Operating temperature max.

Additional information

A _{min}	0,0011 in	Axial clearance per set min.
Tol (+)	0,00031 in	Tolerance for axial clearance or preload per set