

FAG

X-life

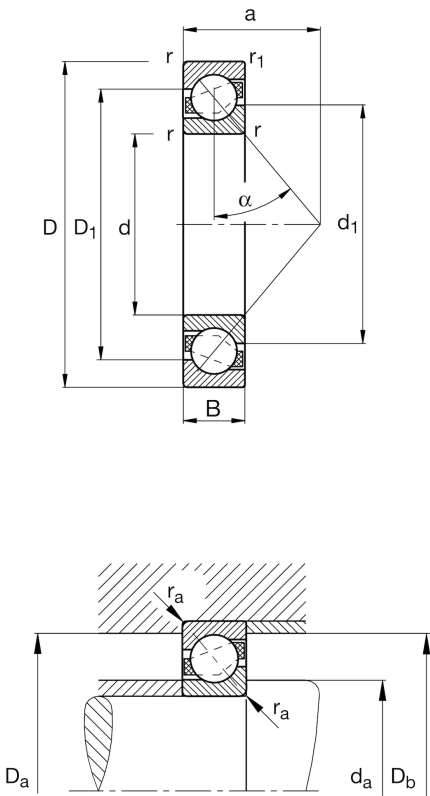
7317-B-XL-TVP-UO

Angular contact ball bearing

Schaeffler ID:  
0191179900000

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

Technical information



Main Dimensions & Performance Data

d	3,346 in	Bore diameter
D	7,087 in	Outside diameter
B	1,614 in	Width
C <sub>r</sub>	37.544,964 lbf	Basic dynamic load rating, radial
C <sub>0r</sub>	31.025,18 lbf	Basic static load rating, radial
C <sub>ur</sub>	1.866,007 lbf	Fatigue load limit, radial
n <sub>G</sub>	4.900 1/min	Limiting speed
n <sub>gr</sub>	4.100 1/min	Reference speed
	9,498 lbs	Weight

Mounting dimensions

d <sub>a min</sub>	3,898 in	Minimum diameter of shaft shoulder
D <sub>a max</sub>	6,535 in	Maximum diameter of housing shoulder
D <sub>b max</sub>	6,811 in	Maximum diameter of housing shoulder
r <sub>a max</sub>	0,098 in	Maximum fillet radius of shaft
r <sub>a1 max</sub>	0,039 in	Maximum fillet radius of housing

Dimensions

r <sub>min</sub>	0,118 in	Minimum chamfer dimension
r <sub>1 min</sub>	0,043 in	Minimum chamfer dimension
D <sub>1</sub>	5,669 in	Shoulder diameter on outer ring wide side face
d <sub>1</sub>	4,803 in	Shoulder diameter on inner ring wide side face
a	2,992 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>	248 °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