

FAG

X-life

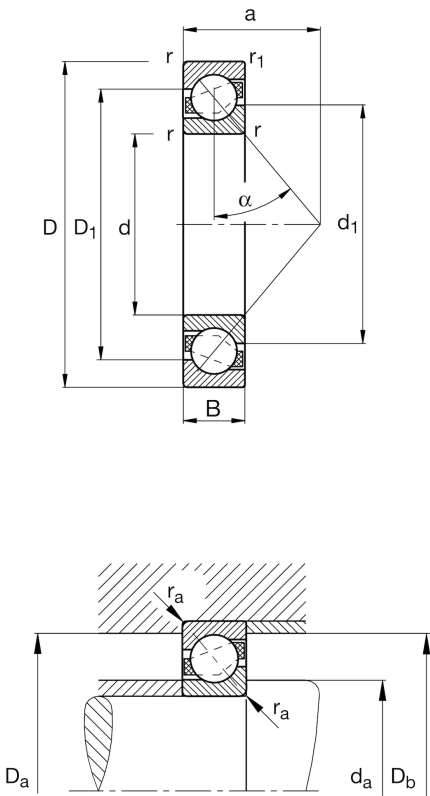
7202-B-XL-TVP-UA

Angular contact ball bearing

Schaeffler ID:
0191143700000

Angular contact ball bearing 72..-B-XL-TVP, single row, X-life, plastic cage

Technical information



Main Dimensions & Performance Data

d	0,591 in	Bore diameter
D	1,378 in	Outside diameter
B	0,433 in	Width
C _r	2.000,899 lbf	Basic dynamic load rating, radial
C _{0r}	1.000,45 lbf	Basic static load rating, radial
C _{ur}	68,57 lbf	Fatigue load limit, radial
n _G	29.500 1/min	Limiting speed
n _{gr}	19.100 1/min	Reference speed
	0,097 lbs	Weight

Mounting dimensions

d _{a min}	0,756 in	Minimum diameter of shaft shoulder
D _{a max}	1,213 in	Maximum diameter of housing shoulder
D _{b max}	1,283 in	Maximum diameter of housing shoulder
r _{a max}	0,024 in	Maximum fillet radius of shaft
r _{a1 max}	0,012 in	Maximum fillet radius of housing

Dimensions

r _{min}	0,024 in	Minimum chamfer dimension
r _{1 min}	0,012 in	Minimum chamfer dimension
D ₁	1,087 in	Shoulder diameter on outer ring wide side face
d ₁	0,898 in	Shoulder diameter on inner ring wide side face
a	0,63 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}	0,00094 in	Axial clearance per set min.
Tol (+)	0,00031 in	Tolerance for axial clearance or preload per set