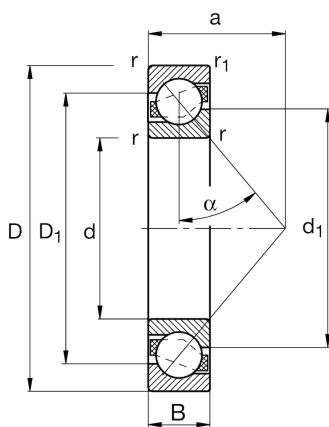
**FAG** 7316-B-XL-TVP-UO

Angular contact ball bearing

Schaeffler ID:
0191179140000Angular contact ball bearing 73..-B-XL-
TVP, single row, X-life, plastic cage

Technical information



Main Dimensions & Performance Data

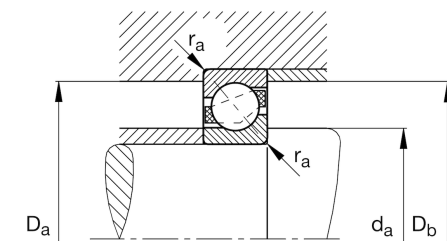
d	3,15 in	Bore diameter
D	6,693 in	Outside diameter
B	1,535 in	Width
C _r	34.847,122 lbf	Basic dynamic load rating, radial
C _{0r}	27.877,698 lbf	Basic static load rating, radial
C _{ur}	1.731,115 lbf	Fatigue load limit, radial
n _G	5.200 1/min	Limiting speed
n _{gr}	4.250 1/min	Reference speed
	8,047 lbs	Weight

Mounting dimensions

d _{a min}	3,622 in	Minimum diameter of shaft shoulder
D _{a max}	6,22 in	Maximum diameter of housing shoulder
D _{b max}	6,417 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	5,382 in	Shoulder diameter on outer ring wide side face
d ₁	4,555 in	Shoulder diameter on inner ring wide side face
a	2,835 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 in	Axial clearance per set min.
Tol (+)	0,00047 in	Tolerance for axial clearance or preload per set