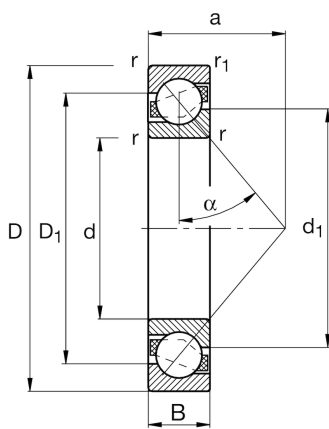
**FAG 7301-B-XL-TVP-P5-UL**

Angular contact ball bearing

Schaeffler ID:  
0191165430000Angular contact ball bearing 73..-B-XL-  
TVP, single row, X-life, plastic cage

## Technical information



## Main Dimensions &amp; Performance Data

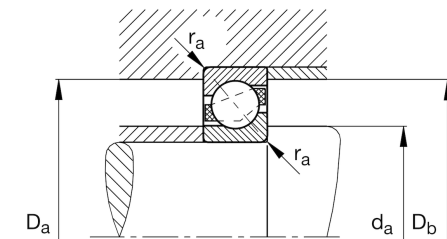
d	0,472 in	Bore diameter
D	1,457 in	Outside diameter
B	0,472 in	Width
C <sub>r</sub>	2.742,806 lbf	Basic dynamic load rating, radial
C <sub>0r</sub>	1.191,547 lbf	Basic static load rating, radial
C <sub>ur</sub>	82,059 lbf	Fatigue load limit, radial
n <sub>G</sub>	28.000 1/min	Limiting speed
n <sub>gr</sub>	16.300 1/min	Reference speed
	0,132 lbs	Weight

## Mounting dimensions

d <sub>a min</sub>	0,693 in	Minimum diameter of shaft shoulder
D <sub>a max</sub>	1,236 in	Maximum diameter of housing shoulder
D <sub>b max</sub>	1,291 in	Maximum diameter of housing shoulder
r <sub>a max</sub>	0,039 in	Maximum fillet radius of shaft
r <sub>a1 max</sub>	0,024 in	Maximum fillet radius of housing

## Dimensions

r <sub>min</sub>	0,039 in	Minimum chamfer dimension
r <sub>1 min</sub>	0,024 in	Minimum chamfer dimension
D <sub>1</sub>	1,071 in	Shoulder diameter on outer ring wide side face
d <sub>1</sub>	0,878 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**

$V_{\max}$	-0,00016 in	Preload per set max.
Tol (+)	0,00024 in	Tolerance for axial clearance or preload per set
$F_{V\max}$	18,435 lbf	Preload force