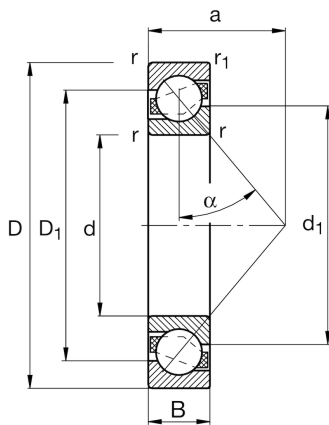


FAG**7205-B-XL-JP-UA**

Angular contact ball bearing

Schaeffler ID:
0191145240000Angular contact ball bearing 72..-B-XL-JP,
single row, X-life, steel sheet metal cage**X-life**

Technical information

**Main Dimensions & Performance Data**

d	0,984 in	Bore diameter
D	2,047 in	Outside diameter
B	0,591 in	Width
C_r	3.642,086 lbf	Basic dynamic load rating, radial
C_{0r}	2.023,381 lbf	Basic static load rating, radial
C_{ur}	139,388 lbf	Fatigue load limit, radial
n_G	19.200 1/min	Limiting speed
n_{gr}	13.700 1/min	Reference speed
	4,832 oz	{Weight}

Mounting dimensions

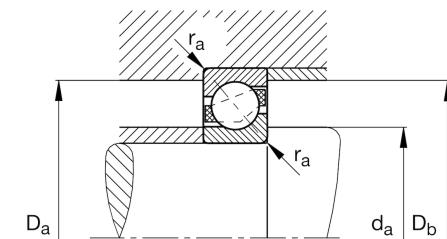
$d_{a \min}$	1,205 in	Minimum diameter of shaft shoulder
$D_{a \max}$	1,827 in	Maximum diameter of housing shoulder
$D_{b \max}$	1,882 in	Maximum diameter of housing shoulder
$r_{a \max}$	0,039 in	Maximum fillet radius of shaft
$r_{a1 \max}$	0,024 in	Maximum fillet radius of housing

Dimensions

r_{\min}	0,039 in	Minimum chamfer dimension
$r_{1 \min}$	0,024 in	Minimum chamfer dimension
D_1	1,654 in	Shoulder diameter on outer ring wide side face
d_1	1,398 in	Shoulder diameter on inner ring wide side face
a	0,945 in	Distance between the apexes of the pressure cones
α	40 °	Contact angle

Temperature range

T_{\min}	-22 °F	Operating temperature min.
T_{\max}	302 °F	Operating temperature max.



Additional information

A_{\min}	0,00142 in	Axial clearance per set min.
Tol (+)	0,00031 in	Tolerance for axial clearance or preload per set