

FAG

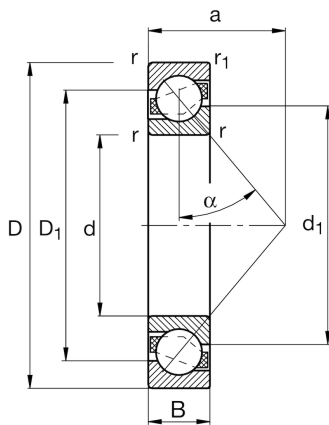
7211-B-XL-JP-UA

Angular contact ball bearing

Schaeffler ID:
0191150670000Angular contact ball bearing 72..-B-XL-JP,
single row, X-life, steel sheet metal cage

X-life

Technical information



Main Dimensions & Performance Data

d	2,165 in	Bore diameter
D	3,937 in	Outside diameter
B	0,827 in	Width
C_r	11.690,647 lbf	Basic dynamic load rating, radial
C_{0r}	8.655,576 lbf	Basic static load rating, radial
C_{ur}	595,773 lbf	Fatigue load limit, radial
n_G	9.200 1/min	Limiting speed
$n_{\vartheta r}$	6.800 1/min	Reference speed
	1,378 lbs	{Weight}

Mounting dimensions

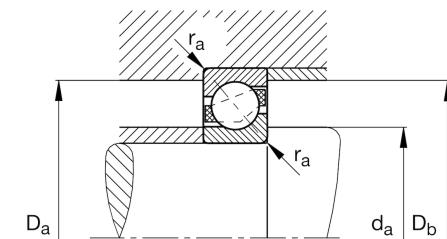
$d_{a \min}$	2,52 in	Minimum diameter of shaft shoulder
$D_{a \max}$	3,583 in	Maximum diameter of housing shoulder
$D_{b \max}$	3,717 in	Maximum diameter of housing shoulder
$r_{a \max}$	0,059 in	Maximum fillet radius of shaft
$r_{a1 \max}$	0,039 in	Maximum fillet radius of housing

Dimensions

r_{\min}	0,059 in	Minimum chamfer dimension
$r_{1 \min}$	0,039 in	Minimum chamfer dimension
D_1	3,268 in	Shoulder diameter on outer ring wide side face
d_1	2,858 in	Shoulder diameter on inner ring wide side face
a	1,693 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}	0,00181 in	Axial clearance per set min.
Tol (+)	0,00031 in	Tolerance for axial clearance or preload per set