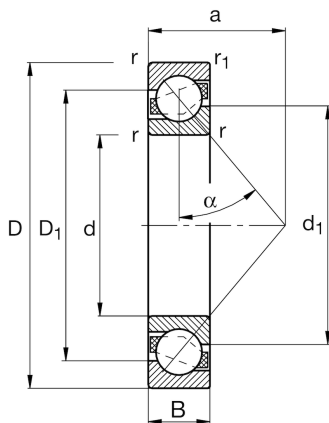


**FAG****7309-B-XL-JP-UO**

Angular contact ball bearing

Schaeffler ID:  
0191172990000Angular contact ball bearing 73..-B-XL-JP,  
single row, X-life, steel sheet metal cage**X-life**

## Technical information

**Main Dimensions & Performance Data**

d	1,772 in	Bore diameter
D	3,937 in	Outside diameter
B	0,984 in	Width
$C_r$	15.512,59 lbf	Basic dynamic load rating, radial
$C_{0r}$	9.667,266 lbf	Basic static load rating, radial
$C_{ur}$	674,46 lbf	Fatigue load limit, radial
$n_G$	9.300 1/min	Limiting speed
$n_{\vartheta r}$	6.500 1/min	Reference speed
	1,894 lbs	{Weight}

**Mounting dimensions**

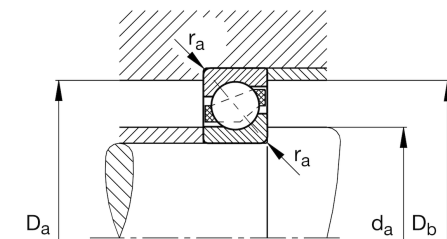
$d_{a \min}$	2,126 in	Minimum diameter of shaft shoulder
$D_{a \max}$	3,583 in	Maximum diameter of housing shoulder
$D_{b \max}$	3,717 in	Maximum diameter of housing shoulder
$r_{a \max}$	0,059 in	Maximum fillet radius of shaft
$r_{a1 \max}$	0,039 in	Maximum fillet radius of housing

**Dimensions**

$r_{\min}$	0,059 in	Minimum chamfer dimension
$r_{1 \min}$	0,039 in	Minimum chamfer dimension
$D_1$	3,142 in	Shoulder diameter on outer ring wide side face
$d_1$	2,626 in	Shoulder diameter on inner ring wide side face
a	1,693 in	Distance between the apexes of the pressure cones
$\alpha$	40 °	Contact angle

**Temperature range**

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



**Additional information**

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