

FAG

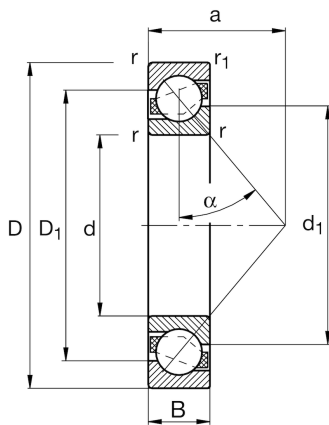
## 7312-B-XL-MP-UO

Angular contact ball bearing

Schaeffler ID:  
0191176390000Angular contact ball bearing 73..-B-XL-MP,  
single row, X-life, solid brass cage

X-life

## Technical information



## Main Dimensions &amp; Performance Data

d	2,362 in	Bore diameter
D	5,118 in	Outside diameter
B	1,22 in	Width
$C_r$	21.582,734 lbf	Basic dynamic load rating, radial
$C_{0r}$	15.512,59 lbf	Basic static load rating, radial
$C_{ur}$	1.067,896 lbf	Fatigue load limit, radial
$n_G$	9.200 1/min	Limiting speed
$n_{gr}$	5.300 1/min	Reference speed
	4,189 lbs	{Weight}

## Mounting dimensions

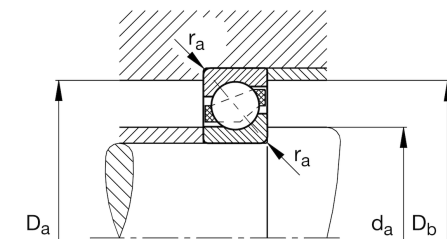
$d_{a \min}$	2,835 in	Minimum diameter of shaft shoulder
$D_{a \max}$	4,646 in	Maximum diameter of housing shoulder
$D_{b \max}$	4,843 in	Maximum diameter of housing shoulder
$r_{a \max}$	0,083 in	Maximum fillet radius of shaft
$r_{a1 \max}$	0,039 in	Maximum fillet radius of housing

## Dimensions

$r_{\min}$	0,083 in	Minimum chamfer dimension
$r_{1 \min}$	0,043 in	Minimum chamfer dimension
$D_1$	4,071 in	Shoulder diameter on outer ring wide side face
$d_1$	3,437 in	Shoulder diameter on inner ring wide side face
a	2,165 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 (+)	0,00047 in	Tolerance for axial clearance or preload per set