

FAG

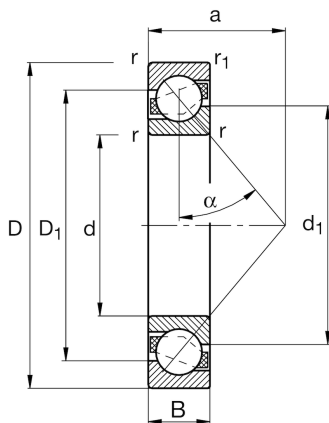
7212-B-XL-JP-UO

Angular contact ball bearing

Schaeffler ID:
0191151640000Angular contact ball bearing 72..-B-XL-JP,
single row, X-life, steel sheet metal cage

X-life

Technical information



Main Dimensions & Performance Data

d	2,362 in	Bore diameter
D	4,331 in	Outside diameter
B	0,866 in	Width
C_r	13.938,849 lbf	Basic dynamic load rating, radial
C_{0r}	10.116,906 lbf	Basic static load rating, radial
C_{ur}	708,183 lbf	Fatigue load limit, radial
n_G	8.300 1/min	Limiting speed
n_{gr}	6.200 1/min	Reference speed
	1,786 lbs	{Weight}

Mounting dimensions

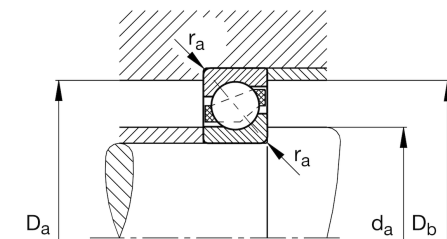
$d_{a \min}$	2,717 in	Minimum diameter of shaft shoulder
$D_{a \max}$	3,976 in	Maximum diameter of housing shoulder
$D_{b \max}$	4,11 in	Maximum diameter of housing shoulder
$r_{a \max}$	0,059 in	Maximum fillet radius of shaft
$r_{a1 \max}$	0,039 in	Maximum fillet radius of housing

Dimensions

r_{\min}	0,059 in	Minimum chamfer dimension
$r_{1 \min}$	0,039 in	Minimum chamfer dimension
D_1	3,575 in	Shoulder diameter on outer ring wide side face
d_1	3,161 in	Shoulder diameter on inner ring wide side face
a	1,85 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 in	Axial clearance per set min.
Tol (+)	0,00047 in	Tolerance for axial clearance or preload per set