

FAG

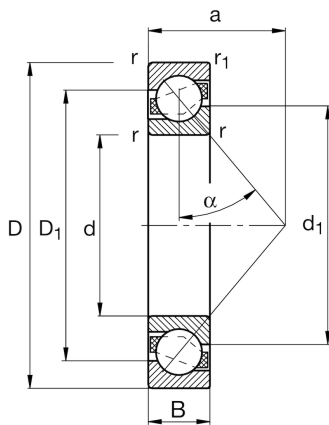
7216-B-XL-JP-UA

Angular contact ball bearing

Schaeffler ID:
0191156440000Angular contact ball bearing 72..-B-XL-JP,
single row, X-life, steel sheet metal cage

X-life

Technical information



Main Dimensions & Performance Data

d	3,15 in	Bore diameter
D	5,512 in	Outside diameter
B	1,024 in	Width
C_r	19.109,712 lbf	Basic dynamic load rating, radial
C_{0r}	16.187,05 lbf	Basic static load rating, radial
C_{ur}	1.079,137 lbf	Fatigue load limit, radial
n_G	6.400 1/min	Limiting speed
n_{gr}	4.950 1/min	Reference speed
	3,247 lbs	{Weight}

Mounting dimensions

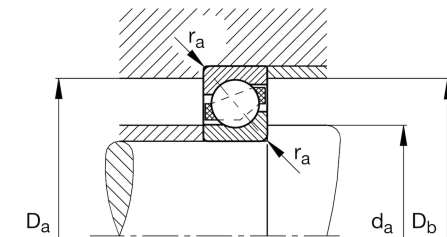
$d_{a \min}$	3,583 in	Minimum diameter of shaft shoulder
$D_{a \max}$	5,079 in	Maximum diameter of housing shoulder
$D_{b \max}$	5,291 in	Maximum diameter of housing shoulder
$r_{a \max}$	0,079 in	Maximum fillet radius of shaft
$r_{a1 \max}$	0,039 in	Maximum fillet radius of housing

Dimensions

r_{\min}	0,079 in	Minimum chamfer dimension
$r_{1 \min}$	0,039 in	Minimum chamfer dimension
D_1	4,614 in	Shoulder diameter on outer ring wide side face
d_1	4,051 in	Shoulder diameter on inner ring wide side face
a	2,323 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}	0,00197 in	Axial clearance per set min.
Tol (+)	0,00047 in	Tolerance for axial clearance or preload per set