

FAG

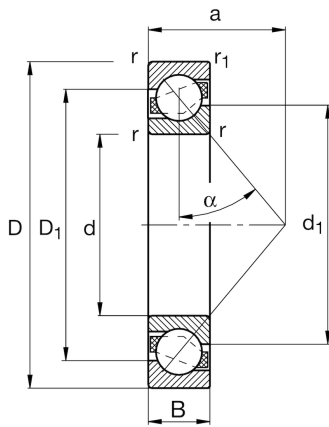
7319-B-XL-MP

Angular contact ball bearing

Schaeffler ID:
0191181120000Angular contact ball bearing 73..-B-XL-MP,
single row, X-life, solid brass cage

X-life

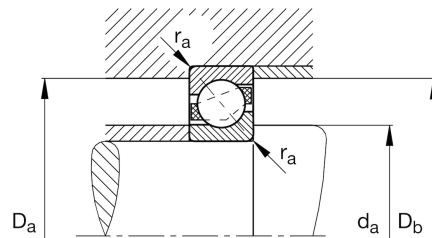
Technical information



Main Dimensions & Performance Data

d	3,74 in	Bore diameter
D	7,874 in	Outside diameter
B	1,772 in	Width
C_r	42.491,007 lbf	Basic dynamic load rating, radial
C_{0r}	37.544,964 lbf	Basic static load rating, radial
C_{ur}	2.158,273 lbf	Fatigue load limit, radial
n_G	5.700 1/min	Limiting speed
n_{gr}	3.800 1/min	Reference speed
	14,319 lbs	{Weight}

Mounting dimensions



$d_{a \min}$	4,291 in	Minimum diameter of shaft shoulder
$D_{a \max}$	7,323 in	Maximum diameter of housing shoulder
$D_{b \max}$	7,598 in	Maximum diameter of housing shoulder
$r_{a \max}$	0,098 in	Maximum fillet radius of shaft
$r_{a1 \max}$	0,039 in	Maximum fillet radius of housing

Dimensions

r_{\min}	0,118 in	Minimum chamfer dimension
$r_{1 \min}$	0,043 in	Minimum chamfer dimension
D_1	6,28 in	Shoulder diameter on outer ring wide side face
d_1	5,399 in	Shoulder diameter on inner ring wide side face
a	3,307 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.