

FAG

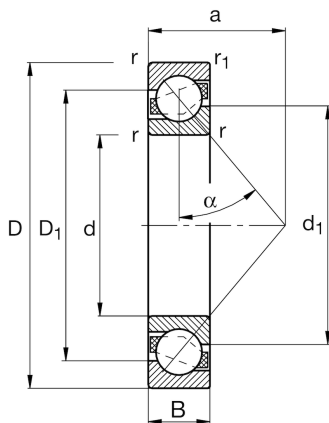
7324-B-XL-MP-UA

Angular contact ball bearing

Schaeffler ID:
0167265290000Angular contact ball bearing 73..-B-XL-MP,
single row, X-life, solid brass cage

X-life

Technical information



Main Dimensions & Performance Data

d	120 mm	Bore diameter
D	260 mm	Outside diameter
B	55 mm	Width
C_r	275.000 N	Basic dynamic load rating, radial
C_{0r}	285.000 N	Basic static load rating, radial
C_{ur}	14.300 N	Fatigue load limit, radial
n_G	4.350 1/min	Limiting speed
n_{gr}	2.850 1/min	Reference speed
	14,05 kg	Weight

Mounting dimensions

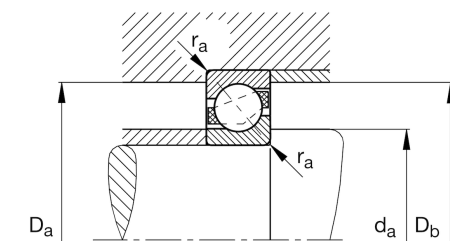
$d_{a \min}$	134 mm	Minimum diameter of shaft shoulder
$D_{a \max}$	246 mm	Maximum diameter of housing shoulder
$D_{b \max}$	253 mm	Maximum diameter of housing shoulder
$r_{a \max}$	2,5 mm	Maximum fillet radius of shaft
$r_{a1 \max}$	1 mm	Maximum fillet radius of housing

Dimensions

r_{\min}	3 mm	Minimum chamfer dimension
$r_{1 \min}$	1,1 mm	Minimum chamfer dimension
D_1	207,1 mm	Shoulder diameter on outer ring wide side face
d_1	176,38 mm	Shoulder diameter on inner ring wide side face
a	107 mm	Distance between the apexes of the pressure cones
α	40 °	Contact angle

Temperature range

T_{\min}	-30 °C	Operating temperature min.
T_{\max}	200 °C	Operating temperature max.



Additional information

A _{min}	58 μm	Axial clearance per set min.
Tol (+)	12 μm	Tolerance for axial clearance or preload per set