



FAG



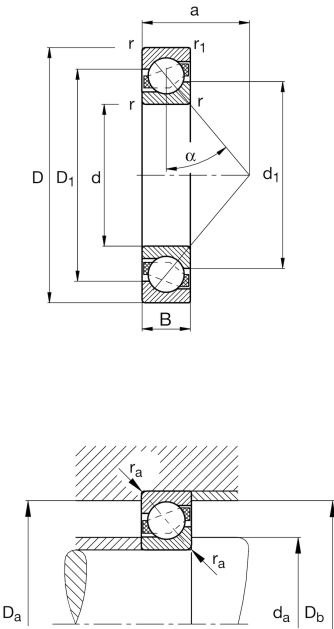
7319-B-XL-MP-UA

Angular contact ball bearing

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

X-life

Technical information



Your current product variant

Design variant	B	B
Sealing	Without	Not sealed
Cage	MP	solid brass cage, ball guided
Tolerance class	PN	Normal (PN)
Dimensional / heat stabilization	S0	Rings dimensional stabilized up to 150°
Bearing with matched conditions for fitting in pairs	UA	bearing set with small axial internal clearance
Lubricant	Without	Bearing not greased

Main Dimensions & Performance Data

d	95 mm	Bore diameter
D	200 mm	Outside diameter
B	45 mm	Width
C _r	189,000 N	Basic dynamic load rating, radial
C _{0r}	167,000 N	Basic static load rating, radial
C _{ur}	9,600 N	Fatigue load limit, radial
n _G	5,700 1/min	Limiting speed
n _{gr}	3,800 1/min	Reference speed
m	6.495 kg	Weight



Mounting dimensions

$d_{a\ min}$	109 mm	Minimum diameter of shaft shoulder
$D_{a\ max}$	186 mm	Maximum diameter of housing shoulder
$D_{b\ max}$	193 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	159.54 mm	Shoulder diameter on outer ring wide side face
d_1	137.14 mm	Shoulder diameter on inner ring wide side face
a	84.4 mm	Distance between the apexes of the pressure cones
α	40 °	Contact angle





Temperature range

T_{\min}	-30 °C	Operating temperature min.
T_{\max}	150 °C	Operating temperature max.

Additional information

A_{\min}	54 µm	Axial clearance per set min.
Tol (+)	12 µm	Tolerance for axial clearance or preload per set

Characteristics

	Radial load
	Axial load in one direction
	Grease Lubrication
	Oil Lubrication
	Not sealed