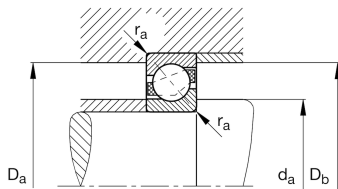
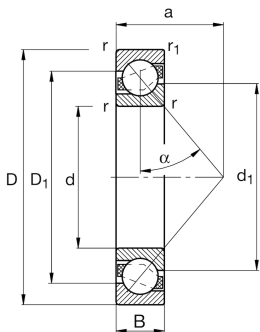


**FAG****X-life****7311-B-XL-JP-UA**

Angular contact ball bearing

Angular contact ball bearing 73..-B-XL-JP,
single row, X-life, steel sheet metal cage

Technical information



Your current product variant

Design variant	B	B
Sealing	Without	Not sealed
Cage	JP	steel sheet metal
Tolerance class	P6	Class6 (P6), better than 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	55 mm	Bore diameter
D	120 mm	Outside diameter
B	29 mm	Width
C _r	91,000 N	Basic dynamic load rating, radial
C _{0r}	61,000 N	Basic static load rating, radial
C _{ur}	4,250 N	Fatigue load limit, radial
n _G	7,700 1/min	Limiting speed
n _{gr}	5,600 1/min	Reference speed
≈m	1.41 kg	Weight



Mounting dimensions

$d_{a\ min}$	66 mm	Minimum diameter of shaft shoulder
$D_{a\ max}$	109 mm	Maximum diameter of housing shoulder
$D_{b\ max}$	114.4 mm	Maximum diameter of housing shoulder
$r_{a\ max}$	2 mm	Maximum fillet radius of shaft
$r_{a1\ max}$	1 mm	Maximum fillet radius of housing

Dimensions

$r_{\min}$	2 mm	Minimum chamfer dimension
$r_{1\ min}$	1 mm	Minimum chamfer dimension
D_1	95.3 mm	Shoulder diameter on outer ring wide side face
d_1	80.3 mm	Shoulder diameter on inner ring wide side face
a	51.2 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

$A_{\min}$	46 µm	Axial clearance per set min.
Tol (+)	12 µm	Tolerance for axial clearance or preload per set

Characteristics

-  F_r Radial load
-  F_a Axial load in one direction
-  Grease Lubrication
-  Oil Lubrication
-  Not sealed