



FAG



7314-B-XL-JP

Angular contact ball bearing

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

X-life

Informacje techniczne

Twoja aktualna wersja produktu

Design variant	B	B
Type of Seal	Without	Not sealed
Cage	JP	Steel sheet metal
Tolerance class	PN	Normal (ISO 492:2023)
Dimensional / heat stabilization	S0	Rings dimensional stabilized up to 150°
Lubricant	Without	Bearing not greased

Main Dimensions & Performance Data

d	70 mm	Bore diameter
D	150 mm	Outside diameter
B	35 mm	Width
C _r	126.000 N	Basic dynamic load rating, radial
C _{0r}	93.000 N	Basic static load rating, radial
C _{ur}	6.200 N	Fatigue load limit, radial
n _G	6.000 1/min	Limiting speed
n _{gr}	4.750 1/min	Reference speed
≈m	2,647 kg	Masa



Mounting dimensions

$d_{a \min}$	82 mm	Minimum diameter of shaft shoulder
$D_{a \max}$	138 mm	Maximum diameter of housing shoulder
$D_{b \max}$	143 mm	Maximum diameter of housing shoulder
$r_{a \max}$	2,1 mm	Maximum fillet radius of shaft
$r_{a1 \max}$	1 mm	Maximum fillet radius of housing

Dimensions

$r_{\min}$	2,1 mm	Minimum chamfer dimension
$r_1 \min$	1,1 mm	Minimum chamfer dimension
D_1	119,62 mm	Shoulder diameter on outer ring wide side face
d_1	102,26 mm	Shoulder diameter on inner ring wide side face
a	63,7 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.

Właściwości

-  Obciążenie promieniowe
-  Obciążenie osiowe jednokierunkowe
-  Smarowanie smarem
-  Smarowanie olejem
-  Bez uszczelnienia