



FAG



X-life

7415-B-XL-MP-UA

Angular contact ball bearing

Angular contact ball bearing 74..-B-XL-MP, single row, X-life, solid brass cage

Informacje techniczne



Twoja aktualna wersja produktu

Design variant	B	B
Sealing	Without	Not sealed
Cage	MP	Solid brass cage, ball guided
Tolerance class	PN	Normal (ISO 492:2023)
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	75 mm	Bore diameter
D	190 mm	Outside diameter
B	45 mm	Width
C _r	167.000 N	Basic dynamic load rating, radial
C _{0r}	138.000 N	Basic static load rating, radial
C _{ur}	8.300 N	Fatigue load limit, radial
n _G	6.400 1/min	Limiting speed
n _{gr}	3.750 1/min	Reference speed
m	6,59 kg	Masa



Mounting dimensions

$d_{a \min}$	91 mm	Minimum diameter of shaft shoulder
$D_{a \max}$	174 mm	Maximum diameter of housing shoulder
$D_{b \max}$	181 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	144,34 mm	Shoulder diameter on outer ring wide side face
d_1	123,1 mm	Shoulder diameter on inner ring wide side face
a	78,1 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

Tol (+)	12 μm	Tolerance for axial clearance or preload per set
$A_{\min}$	50 μm	Axial clearance per set min.

Właściwości



Obciążenie promieniowe



Obciążenie osiowe jednokierunkowe



Smarowanie smarem



Smarowanie olejem



Bez uszczelnienia