



FAG



7024-XL-MP-UA

Angular contact ball bearing

Angular contact ball bearing 70..-XL-MP,
single row, X-life, solid brass cage

X-life

Informacje techniczne



Twoja aktualna wersja produktu

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	120 mm	Bore diameter
D	180 mm	Outside diameter
B	28 mm	Width
C _r	107.000 N	Basic dynamic load rating, radial
C _{0r}	117.000 N	Basic static load rating, radial
C _{ur}	6.600 N	Fatigue load limit, radial
n _G	6.100 1/min	Limiting speed
n _{gr}	3.500 1/min	Reference speed
≈m	2,355 kg	Masa



Mounting dimensions

$d_{a\ min}$	128,8 mm	Minimum diameter of shaft shoulder
$D_{a\ max}$	171,2 mm	Maximum diameter of housing shoulder
$D_{b\ max}$	175,4 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	156 mm	Shoulder diameter on outer ring wide side face
d_1	143,8 mm	Shoulder diameter on inner ring wide side face
a	57,3 mm	Distance between the apexes of the pressure cones
α	30 °	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
$A_{\ min}$	58 µm	Axial clearance per set min.

Właściwości

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Obciążenie promieniowe
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Obciążenie osiowe jednokierunkowe
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Smarowanie smarem
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Smarowanie olejem
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Bez uszczelnienia