



FAG

7207-B-XL-MP-UO

Angular contact ball bearing

Angular contact ball bearing 72..-B-XL-MP,
single row, X-life, solid brass cage



X-life

Informacje techniczne



Twoja aktualna wersja produktu

Design variant	B	B
Sealing	Without	Not sealed
Cage	MP	Solid brass cage, ball guided
Tolerance class	P6	Class 6 (ISO 492:2023)
Dimensional / heat stabilization	S0	Rings dimensional stabilized up to 150°
Bearing with matched conditions for fitting in pairs	UO	Bearing set clearance-free in O or X arrangement
Lubricant	Without	Bearing not greased

Main Dimensions & Performance Data

d	35 mm	Bore diameter
D	72 mm	Outside diameter
B	17 mm	Width
C _r	30.000 N	Basic dynamic load rating, radial
C _{0r}	19.000 N	Basic static load rating, radial
C _{ur}	1.320 N	Fatigue load limit, radial
n _G	17.400 1/min	Limiting speed
n _{gr}	9.600 1/min	Reference speed
m	314 g	Masa



Mounting dimensions

$d_{a\min}$	42 mm	Minimum diameter of shaft shoulder
$D_{a\max}$	65 mm	Maximum diameter of housing shoulder
$D_{b\max}$	67,8 mm	Maximum diameter of housing shoulder
$r_{a\max}$	1 mm	Maximum fillet radius of shaft
$r_{a1\max}$	0,6 mm	Maximum fillet radius of housing

Dimensions

$r_{\min}$	1,1 mm	Minimum chamfer dimension
$r_1\min$	0,6 mm	Minimum chamfer dimension
D_1	57,64 mm	Shoulder diameter on outer ring wide side face
d_1	50,17 mm	Shoulder diameter on inner ring wide side face
a	30,9 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

$Tol (+)$	8 μm	Tolerance for axial clearance or preload per set
$A_{\min}$	0 mm	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