



FAG

7240-B-MP-UA

Angular contact ball bearing

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



Informacje techniczne



Twoja aktualna wersja produktu

Design variant	B	B
Type of Seal	Without	Not sealed
Cage	MP	Solid brass cage, ball guided
Tolerance class	PN	Normal (ISO 492:2023)
Dimensional / heat stabilization	S1	Rings dimensional stabilized up to 200°
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	200 mm	Bore diameter
D	360 mm	Outside diameter
B	58 mm	Width
C _r	325.000 N	Basic dynamic load rating, radial
C _{0r}	480.000 N	Basic static load rating, radial
C _{ur}	14.900 N	Fatigue load limit, radial
n _G	2.750 1/min	Limiting speed
n _{gr}	1.990 1/min	Reference speed
≈m	25,939 kg	Masa



Mounting dimensions

$d_{a \min}$	217 mm	Minimum diameter of shaft shoulder
$D_{a \max}$	343 mm	Maximum diameter of housing shoulder
$D_{b \max}$	351 mm	Maximum diameter of housing shoulder
$r_{a \max}$	3 mm	Maximum fillet radius of shaft
$r_{a1 \max}$	1,5 mm	Maximum fillet radius of housing

Dimensions

$r_{\min}$	4 mm	Minimum chamfer dimension
$r_{1 \min}$	1,5 mm	Minimum chamfer dimension
D_1	297,65 mm	Shoulder diameter on outer ring wide side face
d_1	265,95 mm	Shoulder diameter on inner ring wide side face
a	146,5 mm	Distance between the apexes of the pressure cones
α	40 °	Contact angle

Temperature range

$T_{\min}$	-30 °C	Operating temperature min.
$T_{\max}$	200 °C	Operating temperature max.

Additional information

$Tol (+)$	16 μm	Tolerance for axial clearance or preload per set
$A_{\min}$	90 mm	Axial clearance per set min.



Właściwości



Obciążenie promieniowe



Obciążenie osiowe jednokierunkowe



Smarowanie smarem



Smarowanie olejem



Bez uszczelnienia



Łożysko gabarytowe