



FAG

7040-B-MP-UA

Angular contact ball bearing

Angular contact ball bearing 70..-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	310 mm	Outside diameter
B	51 mm	Width
C _r	224.000 N	Basic dynamic load rating, radial
C _{0r}	315.000 N	Basic static load rating, radial
C _{ur}	10.200 N	Fatigue load limit, radial
n _G	3.150 1/min	Limiting speed
n _{gr}	2.320 1/min	Reference speed
≈m	13,642 kg	Masa



Mounting dimensions

d a min	210,2 mm	Minimum diameter of shaft shoulder
D a max	299,8 mm	Maximum diameter of housing shoulder
D b max	304 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	267,45 mm	Shoulder diameter on outer ring wide side face
d 1	245,2 mm	Shoulder diameter on inner ring wide side face
a	132,5 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