



FAG

7238-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
Sealing	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	190 mm	Bore diameter
D	340 mm	Outside diameter
B	55 mm	Width
C _r	300.000 N	Basic dynamic load rating, radial
C _{0r}	425.000 N	Basic static load rating, radial
C _{ur}	13.600 N	Fatigue load limit, radial
n _G	2.950 1/min	Limiting speed
n _{gr}	2.140 1/min	Reference speed
≈m	21,8 kg	Masa



Mounting dimensions

d _{a min}	207 mm	Minimum diameter of shaft shoulder
D _{a max}	323 mm	Maximum diameter of housing shoulder
D _{b max}	331 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	281 mm	Shoulder diameter on outer ring wide side face
d ₁	250 mm	Shoulder diameter on inner ring wide side face
a	138,7 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}	80 μm	Axial clearance per set min.



Właściwości



Obciążenie promieniowe



Obciążenie osiowe jednokierunkowe



Smarowanie smarem



Smarowanie olejem



Bez uszczelnienia



Łożysko gabarytowe