



FAG

QJ224-N2-MPA-C4

Four-point contact bearing

Four point contact bearing QJ2...-N2-MPA, holding grooves, solid brass cage

Informacje techniczne



Twoja aktualna wersja produktu

Design, bearing outer ring	N2	Two retaining grooves in the outer ring on one side
Tolerance class	PN	Normal (ISO 492:2023)
Cage	MPA	Solid brass cage, outer ring guided
Dimensional / heat stabilization	S0	Rings dimensional stabilized up to 150°
Axial internal clearance	C4	Group 4 (C4), bigger than C3

Main Dimensions & Performance Data

d	120 mm	Bore diameter
D	215 mm	Outside diameter
B	40 mm	Width
C _r	285.000 N	Basic dynamic load rating, radial
C _{0r}	340.000 N	Basic static load rating, radial
C _{ur}	15.100 N	Fatigue load limit, radial
n _G	5.400 1/min	Limiting speed
n _{gr}	3.050 1/min	Reference speed

Mounting dimensions

d _{a min}	132 mm	Minimum diameter shaft shoulder
D _{a max}	203 mm	Maximum diameter of housing shoulder
r _{a max}	2,1 mm	Maximum fillet radius



Dimensions

r _{min}	2,1 mm	Minimum chamfer dimension
D ₁	183,7 mm	Shoulder diameter outer ring
d ₁	152,84 mm	Shoulder diameter inner ring
a	117,3 mm	Distance between the apexes of the pressure cones
a _n	11,7 mm	Hight retaining slot
b _n	10,5 mm	Width retaining slot
r _n	2 mm	Radius retaining slot
	45 °	Angle retaining slot
α	35 °	Contact angle

Temperature range

T _{min}	-30 °C	Operating temperature min.
T _{max}	150 °C	Operating temperature max.

Właściwości

	Obciążenie promieniowe
	Obciążenie osiowe jednokierunkowe
	Obciążenie osiowe dwukierunkowe
	Smarowanie smarem
	Smarowanie olejem
	Bez uszczelnienia