



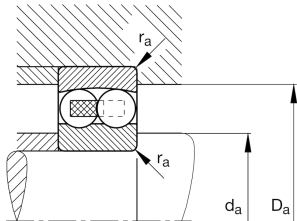
FAG

2222-M>J

Self-aligning ball bearing

Self-aligning ball bearing 22...-M, solid brass cage

Informacje techniczne



Twoja aktualna wersja produktu

Version code	>J	Not marked on bearing
Bore type	Z	Cylindrical
Sealing	Without	Not sealed
Cage	M	Solid brass cage, ball guided
Tolerance class	PN	Normal (ISO 492:2023)
Radial internal clearance	CN (Group N)	Normal internal clearance
Lubricant	Without	Bearing not greased

Main Dimensions & Performance Data

d	110 mm	Bore diameter
D	200 mm	Outside diameter
B	53 mm	Width
C _r	126.000 N	Basic dynamic load rating, radial
C _{0r}	52.000 N	Basic static load rating, radial
C _{ur}	2.650 N	Fatigue load limit, radial
n _G	5.000 1/min	Limiting speed
n _{gr}	4.700 1/min	Reference speed
≈m	7,253 kg	Masa

Mounting dimensions

d _{a min}	122 mm	Minimum diameter shaft shoulder
D _{a max}	188 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	174,1 mm	Shoulder diameter outer ring
d ₁	136,9 mm	Shoulder diameter inner ring

Temperature range

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

Calculation factors

e	0,28	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y ₁	2,22	Dynamic axial load factor
Y ₂	3,44	Dynamic axial load factor
Y ₀	2,33	Static axial load factor

Właściwości

-  Obciążenie promieniowe
-  Obciążenie osiowe jednokierunkowe
-  Obciążenie osiowe dwukierunkowe
-  Smarowanie smarem
-  Smarowanie olejem
-  Bez uszczelnienia
-  Nieosiowość statyczna
-  Nieosiowość dynamiczna