

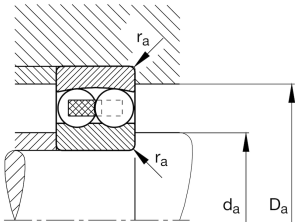
FAG

1220-M-C3

Self-aligning ball bearing

Self-aligning ball bearing 12..-M, solid brass cage

Informacje techniczne



Twoja aktualna wersja produktu

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	C3 (Group 3)	Internal clearance larger than CN
Lubricant	Without	Bearing not greased

Main Dimensions & Performance Data

d	100 mm	Bore diameter
D	180 mm	Outside diameter
B	34 mm	Width
C _r	70.000 N	Basic dynamic load rating, radial
C _{0r}	29.500 N	Basic static load rating, radial
C _{ur}	1.590 N	Fatigue load limit, radial
n _G	6.000 1/min	Limiting speed
n _{gr}	4.500 1/min	Reference speed
m	4 kg	Masa

Mounting dimensions

d _{a min}	112 mm	Minimum diameter shaft shoulder
D _{a max}	168 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	155,2 mm	Shoulder diameter outer ring
d ₁	127,3 mm	Shoulder diameter inner ring

Temperature range

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

Calculation factors

e	0,18	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y ₁	3,58	Dynamic axial load factor
Y ₂	5,53	Dynamic axial load factor
Y ₀	3,75	Static axial load factor

Właściwości

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