



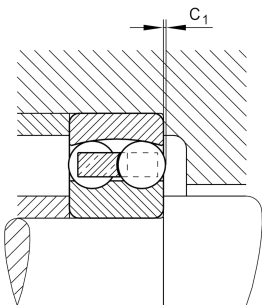
FAG

1320-M>J

Self-aligning ball bearing

Self-aligning ball bearing 13...-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	100 mm	Bore diameter
D	215 mm	Outside diameter
B	47 mm	Width
C _r	145.000 N	Basic dynamic load rating, radial
C _{0r}	57.000 N	Basic static load rating, radial
C _{ur}	2.900 N	Fatigue load limit, radial
n _G	4.700 1/min	Limiting speed
n _{gr}	3.850 1/min	Reference speed
≈m	8,7 kg	Masa

Mounting dimensions

d _{a min}	114 mm	Minimum diameter shaft shoulder
D _{a max}	201 mm	Maximum diameter of housing shoulder
r _{a max}	2,5 mm	Maximum fillet radius



Dimensions

r _{min}	3 mm	Minimum chamfer dimension
D ₁	181,3 mm	Shoulder diameter outer ring
d ₁	135,92 mm	Shoulder diameter inner ring
C ₁	2,4 mm	Overhang rolling element

Temperature range

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

Calculation factors

e	0,23	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y ₁	2,68	Dynamic axial load factor
Y ₂	4,15	Dynamic axial load factor
Y ₀	2,81	Static axial load factor

Właściwości

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