



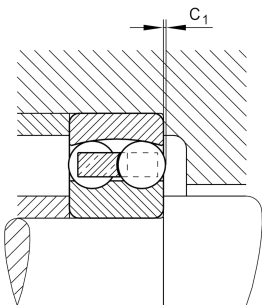
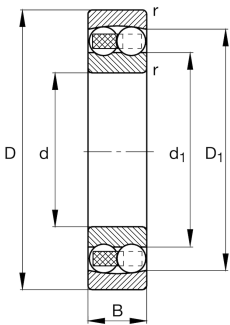
FAG

1224-M>J

Self-aligning ball bearing

Self-aligning ball bearing 12...-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	120 mm	Bore diameter
D	215 mm	Outside diameter
B	42 mm	Width
C _r	121.000 N	Basic dynamic load rating, radial
C _{0r}	53.000 N	Basic static load rating, radial
C _{ur}	2.600 N	Fatigue load limit, radial
n _G	4.750 1/min	Limiting speed
n _{gr}	4.200 1/min	Reference speed
≈m	6,88 kg	Masa

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	187,3 mm	Shoulder diameter outer ring
d ₁	149 mm	Shoulder diameter inner ring
C ₁	1,8 mm	Overhang rolling element

Temperature range

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

Calculation factors

e	0,2	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y ₁	3,11	Dynamic axial load factor
Y ₂	4,81	Dynamic axial load factor
Y ₀	3,25	Static axial load factor

Właściwości

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