



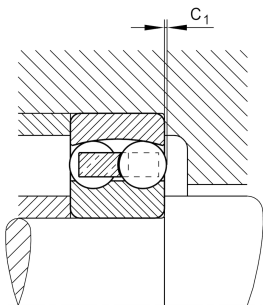
FAG

2309-M>N

Self-aligning ball bearing

Self-aligning ball bearing 23...-M, solid brass cage

Informacje techniczne



Twoja aktualna wersja produktu

Version code	>N	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	45 mm	Bore diameter
D	100 mm	Outside diameter
B	36 mm	Width
C _r	55.000 N	Basic dynamic load rating, radial
C _{0r}	16.600 N	Basic static load rating, radial
C _{ur}	1.060 N	Fatigue load limit, radial
n _G	10.500 1/min	Limiting speed
n _{gr}	8.000 1/min	Reference speed
≈m	1,35 kg	Masa

Mounting dimensions

d _{a min}	54 mm	Minimum diameter shaft shoulder
D _{a max}	91 mm	Maximum diameter of housing shoulder
r _{a max}	1,5 mm	Maximum fillet radius



Dimensions

r _{min}	1,5 mm	Minimum chamfer dimension
D ₁	83,64 mm	Shoulder diameter outer ring
d ₁	60,05 mm	Shoulder diameter inner ring
C ₁	0,1 mm	Overhang rolling element

Temperature range

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

Calculation factors

e	0,43	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y ₁	1,47	Dynamic axial load factor
Y ₂	2,28	Dynamic axial load factor
Y ₀	1,54	Static axial load factor

Właściwości

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