



FAG

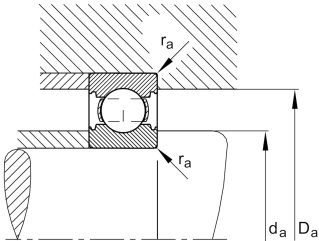
6409-C-M-C3

Deep groove ball bearing

Deep groove ball bearing 64...-C-M, single row, Generation C, solid brass cage



Informacje techniczne



Twoja aktualna wersja produktu

Changed internal design	C	GenerationC
Sealing	Without	Not sealed
Cage	M	Solid brass cage, rolling element guided
Tolerance class	P6	Class 6 (ISO 492:2023)
Dimensional / heat stabilization	S0	Rings dimensional stabilized up to 150°
Lubricant	Without	Bearing not greased
Radial internal clearance	C3 (Group 3)	Internal clearance larger than CN
Bore type	Z	Cylindrical

Main Dimensions & Performance Data

d	45 mm	Bore diameter
D	120 mm	Outside diameter
B	29 mm	Width
C _r	83.000 N	Basic dynamic load rating, radial
C _{0r}	47.500 N	Basic static load rating, radial
C _{ur}	3.300 N	Fatigue load limit, radial
n _G	11.000 1/min	Limiting speed
n _{gr}	7.100 1/min	Reference speed
m	1,75 kg	Masa



Mounting dimensions

d _{a min}	58 mm	Minimum diameter shaft shoulder
D _{a max}	107 mm	Maximum diameter of housing shoulder
r _{a max}	2 mm	Maximum fillet radius

Dimensions

r _{min}	2 mm	Minimum chamfer dimension
D ₁	102,15 mm	Shoulder diameter outer ring
D ₂	105,3 mm	Caliber diameter outer ring
d ₁	74,7 mm	Shoulder diameter inner ring
d ₂	72,54 mm	Caliber diameter inner ring

Temperature range

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

Calculation factors

f ₀	12,9	Calculation factor
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Właściwości

	Obciążenie promieniowe
	Obciążenie osiowe jednokierunkowe
	Obciążenie osiowe dwukierunkowe
	Smarowanie smarem
	Smarowanie olejem
	Bez uszczelnienia