



FAG

6311-C-C3

Deep groove ball bearing

Deep groove ball bearing 63...-C, single row,
Generation C, steel sheet metal cage

Informacje techniczne



Twoja aktualna wersja produktu

Changed internal design	C	GenerationC
Sealing	Without	Not sealed
Cage	JN	Steel sheet metal
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	55 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	8.500 1/min	Limiting speed
n _{gr}	7.800 1/min	Reference speed
≈m	1,297 kg	Masa



Mounting dimensions

d a min	66 mm	Minimum diameter shaft shoulder
D a max	109 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