



FAG

6309-2Z-L069-C3

Deep groove ball bearing

Deep groove ball bearing 63...-2Z, single row, shields, steel sheet metal cage

Informacje techniczne



Twoja aktualna wersja produktu

Sealing	2Z	Non-contact shield on both sides
Cage	JN	Steel sheet metal
Tolerance class	PN	Normal (ISO 492:2023)
Dimensional / heat stabilization	S0	Rings dimensional stabilized up to 150°
Lubricant	L069	Low noise high-temperature grease, interchangeable with grease L207
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	100 mm	Outside diameter
B	25 mm	Width
C _r	56.000 N	Basic dynamic load rating, radial
C _{0r}	31.500 N	Basic static load rating, radial
C _{ur}	2.240 N	Fatigue load limit, radial
n _G	8.100 1/min	Limiting speed
n _{gr}	8.200 1/min	Reference speed
m	0,88 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	83,3 mm	Shoulder diameter outer ring
D 2	85,64 mm	Caliber diameter outer ring
d 1	62 mm	Shoulder 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 dożywotnie, bezobsługowe
	Smarowanie smarem
	Uszczelnienie dwustronne