



FAG

6209-C-Z

Deep groove ball bearing

Deep groove ball bearing 62...-C-Z, single row, Generation C, shield , steel sheet metal cage

Informacje techniczne



Twoja aktualna wersja produktu

Changed internal design	C	GenerationC
Sealing	Z	Non-contact shield on one Side
Cage	JN	Steel sheet metal
Tolerance class	P6	Class 6 (ISO 492:2023)
Dimensional / heat stabilization	SN	Rings dimensional stabilized up to 120°
Lubricant	Without	Bearing not greased
Radial internal clearance	CN (Group N)	Normal internal clearance
Bore type	Z	Cylindrical

Main Dimensions & Performance Data

d	45 mm	Bore diameter
D	85 mm	Outside diameter
B	19 mm	Width
C _r	35.500 N	Basic dynamic load rating, radial
C _{0r}	20.300 N	Basic static load rating, radial
C _{ur}	1.400 N	Fatigue load limit, radial
n _G	12.700 1/min	Limiting speed
n _{gr}	9.900 1/min	Reference speed
≈m	0,392 kg	Masa



Mounting dimensions

d a min	52 mm	Minimum diameter shaft shoulder
D a max	78 mm	Maximum diameter of housing shoulder
r a max	1 mm	Maximum fillet radius

Dimensions

r min	1,1 mm	Minimum chamfer dimension
D 1	72,35 mm	Shoulder diameter outer ring
D 2	75,34 mm	Caliber diameter outer ring
d 1	56,63 mm	Shoulder diameter inner ring
d 2	54,04 mm	Caliber diameter inner ring

Temperature range

T min	-30 °C	Operating temperature min.
T max	120 °C	Operating temperature max.

Calculation factors

f 0	14,3	Calculation factor
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Właściwości

	Obciążenie promieniowe
	Obciążenie osiowe jednokierunkowe
	Obciążenie osiowe dwukierunkowe
	Smarowanie smarem
	Smarowanie olejem
	Uszczelnienie jednostronne