



FAG

6310-C-2Z-L138-C3

Deep groove ball bearing

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

Informacje techniczne



Twoja aktualna wersja produktu

Changed internal design	C	GenerationC
Sealing	2Z	Non-contact shield on both sides
Cage	JN	Steel sheet metal
Tolerance class	P6	Class 6 (ISO 492:2023)
Dimensional / heat stabilization	S0	Rings dimensional stabilized up to 150°
Lubricant	L138	Grease (L138/customer specific)
Radial internal clearance	C3 (Group 3)	Internal clearance larger than CN
Bore type	Z	Cylindrical

Main Dimensions & Performance Data

d	50 mm	Bore diameter
D	110 mm	Outside diameter
B	27 mm	Width
C _r	68.000 N	Basic dynamic load rating, radial
C _{0r}	38.000 N	Basic static load rating, radial
C _{ur}	2.650 N	Fatigue load limit, radial
n _G	8.000 1/min	Limiting speed
n _{gr}	8.400 1/min	Reference speed
≈m	1,08 kg	Masa



Mounting dimensions

d a min	61 mm	Minimum diameter shaft shoulder
D a max	99 mm	Maximum diameter of housing shoulder
r a max	2 mm	Maximum fillet radius

Dimensions

r min	2 mm	Minimum chamfer dimension
D 1	92,1 mm	Shoulder diameter outer ring
D 2	95,22 mm	Caliber diameter outer ring
d 1	68,64 mm	Shoulder diameter inner ring
d 2	66,74 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	13,1	Calculation factor
-----	------	--------------------

Właściwości

	Obciążenie promieniowe
	Obciążenie osiowe jednokierunkowe
	Obciążenie osiowe dwukierunkowe
	Smarowanie dożywotnie, bezobsługowe
	Smarowanie smarem
	Uszczelnienie dwustronne