



FAG

6308-C-2Z-L138-C3>V

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

Version code	>V	Not marked on bearing
Changed internal design	C	GenerationC
Type of Seal	2Z	Non-contact shield on both sides
Cage	JN	Steel sheet metal
Tolerance class	P6	Class 6 (ISO 492:2023)
Dimensional / heat stabilization	SN	Rings dimensional stabilized up to 120°
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	40 mm	Bore diameter
D	90 mm	Outside diameter
B	23 mm	Width
C _r	50.000 N	Basic dynamic load rating, radial
C _{0r}	25.000 N	Basic static load rating, radial
C _{ur}	1.730 N	Fatigue load limit, radial
n _G	10.100 1/min	Limiting speed
n _{gr}	9.900 1/min	Reference speed
≈m	0,621 kg	Masa



Mounting dimensions

$d_{a \min}$	49 mm	Minimum diameter shaft shoulder
$D_{a \max}$	81 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	75,54 mm	Shoulder diameter outer ring
D_2	78,61 mm	Caliber diameter outer ring
d_1	55,08 mm	Shoulder diameter inner ring
d_2	52,28 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	Calculation factor
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Właściwości

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