



FAG

6313-C-2Z-L237-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
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	S0	Rings dimensional stabilized up to 150°
Lubricant	L237	Grease (L237/customer specific)
Radial internal clearance	C3 (Group 3)	Internal clearance larger than CN
Bore type	Z	Cylindrical

Main Dimensions & Performance Data

d	65 mm	Bore diameter
D	140 mm	Outside diameter
B	33 mm	Width
C _r	101.000 N	Basic dynamic load rating, radial
C _{0r}	60.000 N	Basic static load rating, radial
C _{ur}	4.100 N	Fatigue load limit, radial
n _G	6.200 1/min	Limiting speed
n _{gr}	7.000 1/min	Reference speed
≈m	2,08 kg	Masa



Mounting dimensions

$d_{a \min}$	77 mm	Minimum diameter shaft shoulder
$D_{a \max}$	128 mm	Maximum diameter of housing shoulder
$r_{a \max}$	2,1 mm	Maximum fillet radius

Dimensions

$r_{\min}$	2,1 mm	Minimum chamfer dimension
D_1	118,22 mm	Shoulder diameter outer ring
D_2	121,4 mm	Caliber diameter outer ring
d_1	87,73 mm	Shoulder diameter inner ring
d_2	85,59 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	13,2	Calculation factor
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Właściwości

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