



FAG

6312-C-HRS-C3

Deep groove ball bearing

Deep groove ball bearing 63...-C-HRS, single row, Generation C, seal, steel sheet metal cage

Informacje techniczne



Twoja aktualna wersja produktu

Changed internal design	C	GenerationC
Sealing	HRS	Contact seal on one side
Cage	JN	Steel sheet metal
Tolerance class	P6	Class 6 (ISO 492:2023)
Dimensional / heat stabilization	S0	Rings dimensional stabilized up to 150°
Lubricant	Without	Bearing not greased
Radial internal clearance	C3 (Group 3)	Internal clearance larger than CN
Bore type	Z	Cylindrical

Main Dimensions & Performance Data

d	60 mm	Bore diameter
D	130 mm	Outside diameter
B	31 mm	Width
C _r	89.000 N	Basic dynamic load rating, radial
C _{0r}	52.000 N	Basic static load rating, radial
C _{ur}	3.600 N	Fatigue load limit, radial
n _G	4.800 1/min	Limiting speed
≈m	1,73 kg	Masa



Mounting dimensions

$d_{a \min}$	72 mm	Minimum diameter shaft shoulder
$D_{a \max}$	118 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	109,02 mm	Shoulder diameter outer ring
D_2	112,14 mm	Caliber diameter outer ring
d_1	81,7 mm	Shoulder diameter inner ring
d_2	79,58 mm	Caliber diameter inner ring

Temperature range

$T_{\min}$	-30 °C	Operating temperature min.
$T_{\max}$	100 °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 smarem
	Smarowanie olejem
	Uszczelnienie jednostronne