



FAG

6309-C-HRS>V

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

Version code	>V	Not marked on bearing
Changed internal design	C	GenerationC
Type of Seal	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	CN (Group N)	Normal internal clearance
Bore type	Z	Cylindrical

Main Dimensions & Performance Data

d	45 mm	Bore diameter
D	100 mm	Outside diameter
B	25 mm	Width
C _r	62.000 N	Basic dynamic load rating, radial
C _{0r}	31.500 N	Basic static load rating, radial
C _{ur}	2.190 N	Fatigue load limit, radial
n _G	6.400 1/min	Limiting speed
≈m	0,818 kg	Masa



Mounting dimensions

$d_{a \min}$	54 mm	Minimum diameter shaft shoulder
$D_{a \max}$	91 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	83,6 mm	Shoulder diameter outer ring
D_2	86,37 mm	Caliber diameter outer ring
d_1	62,25 mm	Shoulder diameter inner ring
d_2	60,33 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	12,9	Calculation factor
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Właściwości

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