



FAG

6301-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	SN	Rings dimensional stabilized up to 120°
Lubricant	Without	Bearing not greased
Radial internal clearance	CN (Group N)	Normal internal clearance
Bore type	Z	Cylindrical

Main Dimensions & Performance Data

d	12 mm	Bore diameter
D	37 mm	Outside diameter
B	12 mm	Width
C _r	11.500 N	Basic dynamic load rating, radial
C _{0r}	4.200 N	Basic static load rating, radial
C _{ur}	290 N	Fatigue load limit, radial
n _G	21.700 1/min	Limiting speed
≈m	0,056 kg	Masa



Mounting dimensions

$d_{a\min}$	17,6 mm	Minimum diameter shaft shoulder
$D_{a\max}$	31,4 mm	Maximum diameter of housing shoulder
$r_{a\max}$	1 mm	Maximum fillet radius

Dimensions

$r_{\min}$	1 mm	Minimum chamfer dimension
D_1	30,06 mm	Shoulder diameter outer ring
D_2	32 mm	Caliber diameter outer ring
d_1	18,94 mm	Shoulder diameter inner ring
d_2	17,97 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	11,1	Calculation factor
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Właściwości

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