



FAG

6414-C3

Deep groove ball bearing

Deep groove ball bearing 64, single row, steel
sheet metal cage

Informacje techniczne



Twoja aktualna wersja produktu

Sealing	Without	Not sealed
Cage	JN	Steel sheet metal
Tolerance class	PN	Normal (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	70 mm	Bore diameter
D	180 mm	Outside diameter
B	42 mm	Width
C _r	141.000 N	Basic dynamic load rating, radial
C _{0r}	97.000 N	Basic static load rating, radial
C _{ur}	6.000 N	Fatigue load limit, radial
n _G	5.000 1/min	Limiting speed
n _{gr}	5.200 1/min	Reference speed
≈m	5,06 kg	Masa



Mounting dimensions

$d_{a\min}$	86 mm	Minimum diameter shaft shoulder
$D_{a\max}$	164 mm	Maximum diameter of housing shoulder
$r_{a\max}$	2,5 mm	Maximum fillet radius

Dimensions

$r_{\min}$	3 mm	Minimum chamfer dimension
D_1	151,58 mm	Shoulder diameter outer ring
d_1	114,38 mm	Shoulder diameter inner ring

Temperature range

$T_{\min}$	-30 °C	Operating temperature min.
$T_{\max}$	150 °C	Operating temperature max.

Calculation factors

f_0	13,3	Calculation factor
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Właściwości

	Obciążenie promieniowe
	Obciążenie osiowe jednokierunkowe
	Obciążenie osiowe dwukierunkowe
	Smarowanie smarem
	Smarowanie olejem
	Bez uszczelnienia