



FAG

6307-H-C3

Deep groove ball bearing

Deep groove ball bearing 63...H, single row,
H-Series, steel sheet metal cage

Informacje techniczne



Twoja aktualna wersja produktu

Changed internal design	H	Design variant H (H-Series)
Sealing	Without	Not sealed
Cage	JN	Steel sheet metal
Tolerance class	PN	Normal (ISO 492:2023)
Dimensional / heat stabilization	SN	Rings dimensional stabilized up to 120°
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	35 mm	Bore diameter
D	80 mm	Outside diameter
B	21 mm	Width
C _r	33.390 N	Basic dynamic load rating, radial
C _{0r}	19.290 N	Basic static load rating, radial
C _{ur}	1.150 N	Fatigue load limit, radial
n _G	12.100 1/min	Limiting speed
n _{gr}	9.500 1/min	Reference speed
m	0,471 kg	Masa



Mounting dimensions

$d_{a\min}$	44 mm	Minimum diameter shaft shoulder
$D_{a\max}$	71 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	66,8 mm	Shoulder diameter outer ring
d_1	50,4 mm	Shoulder diameter inner ring

Temperature range

$T_{\min}$	-30 °C	Operating temperature min.
$T_{\max}$	120 °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
	Bez uszczelnienia