



FAG

6300-B-C3

Deep groove ball bearing

Deep groove ball bearing 63, single row, steel sheet metal cage

Informacje techniczne



Twoja aktualna wersja produktu

Changed internal design	B	Design variant B
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	10 mm	Bore diameter
D	35 mm	Outside diameter
B	11 mm	Width
C _r	8.600 N	Basic dynamic load rating, radial
C _{0r}	3.450 N	Basic static load rating, radial
C _{ur}	315 N	Fatigue load limit, radial
n _G	31.000 1/min	Limiting speed
n _{gr}	21.100 1/min	Reference speed
m	53,3 g	Masa



Mounting dimensions

$d_{a\ min}$	14,2 mm	Minimum diameter shaft shoulder
$D_{a\ max}$	30,8 mm	Maximum diameter of housing shoulder
$r_{a\ max}$	0,6 mm	Maximum fillet radius

Dimensions

$r_{\ min}$	0,6 mm	Minimum chamfer dimension
D_1	26,83 mm	Shoulder diameter outer ring
d_1	18,17 mm	Shoulder diameter inner ring
d_2	16,86 mm	Caliber diameter inner ring

Temperature range

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

Calculation factors

f_0	11,3	Calculation factor
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Właściwości

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