



FAG

6314-M-J20GB-C3

Deep groove ball bearing

Deep groove ball bearing 63...-M-J20GB,
single row, solid brass cage, ceramic coated

Informacje techniczne



Twoja aktualna wersja produktu

Sealing	Without	Not sealed
Cage	M	Solid brass cage, rolling element guided
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
Coating	J20GB	Current insulation, outer ring ceramic coated

Main Dimensions & Performance Data

d	70 mm	Bore diameter
D	150 mm	Outside diameter
B	35 mm	Width
C _r	115.000 N	Basic dynamic load rating, radial
C _{0r}	69.000 N	Basic static load rating, radial
C _{ur}	4.600 N	Fatigue load limit, radial
n _G	8.800 1/min	Limiting speed
n _{gr}	6.100 1/min	Reference speed
≈m	3,02 kg	Masa



Mounting dimensions

$d_{a\ min}$	82 mm	Minimum diameter shaft shoulder
$D_{a\ max}$	138 mm	Maximum diameter of housing shoulder
$r_{a\ max}$	2,1 mm	Maximum fillet radius

Dimensions

$r_{\ min}$	2,1 mm	Minimum chamfer dimension
D_1	126,8 mm	Shoulder diameter outer ring
d_1	95,08 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	13,4	Calculation factor
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Właściwości



Obciążenie promieniowe



Obciążenie osiowe jednokierunkowe



Obciążenie osiowe dwukierunkowe



Smarowanie smarem



Smarowanie olejem



Bez uszczelnienia



Izolowane