



FAG

6311-M-J20AA-C4

Deep groove ball bearing

Deep groove ball bearing 63.-M-J20AA,
single row, solid brass cage, ceramic coated

Informacje techniczne



Twoja aktualna wersja produktu

Type of Seal	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	C4 (Group 4)	Internal clearance larger than C3
Bore type	Z	Cylindrical
Coating	J20AA	Current insulation, outer ring ceramic coated

Main Dimensions & Performance Data

d	55 mm	Bore diameter
D	120 mm	Outside diameter
B	29 mm	Width
C _r	83.000 N	Basic dynamic load rating, radial
C _{0r}	47.500 N	Basic static load rating, radial
C _{ur}	3.250 N	Fatigue load limit, radial
n _G	11.000 1/min	Limiting speed
n _{gr}	7.100 1/min	Reference speed
≈m	1,616 kg	Masa



Mounting dimensions

$d_{a\ min}$	66 mm	Minimum diameter shaft shoulder
$D_{a\ max}$	109 mm	Maximum diameter of housing shoulder
$r_{a\ max}$	2 mm	Maximum fillet radius

Dimensions

$r_{\ min}$	2 mm	Minimum chamfer dimension
D_1	101,4 mm	Shoulder diameter outer ring
d_1	75,2 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	12,9	Calculation factor
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Właściwości



Obciążenie promieniowe



Obciążenie osiowe jednokierunkowe



Obciążenie osiowe dwukierunkowe



Smarowanie smarem



Smarowanie olejem



Bez uszczelnienia



Izolowane