



FAG

61814-C3

Deep groove ball bearing

Deep groove ball bearing 618, 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	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	70 mm	Bore diameter
D	90 mm	Outside diameter
B	10 mm	Width
C _r	13.200 N	Basic dynamic load rating, radial
C _{0r}	12.400 N	Basic static load rating, radial
C _{ur}	820 N	Fatigue load limit, radial
n _G	10.600 1/min	Limiting speed
n _{gr}	5.300 1/min	Reference speed
≈m	0,14 kg	Masa



Mounting dimensions

$d_{a\ min}$	73,2 mm	Minimum diameter shaft shoulder
$D_{a\ max}$	86,8 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	83,57 mm	Shoulder diameter outer ring
d_1	76,6 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	16,1	Calculation factor
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Właściwości



Obciążenie promieniowe



Obciążenie osiowe jednokierunkowe



Obciążenie osiowe dwukierunkowe



Smarowanie smarem



Smarowanie olejem



Bez uszczelnienia