



FAG

16024-N-C3

Deep groove ball bearing

Deep groove ball bearing 160..-N, single row, ring groove, steel sheet metal cage



Informacje techniczne

Twoja aktualna wersja produktu

Type of Seal	Without	Not sealed
Design, bearing outer ring	N	Ring groove for snap ring
Cage	JN	Steel sheet metal
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

Main Dimensions & Performance Data

d	120 mm	Bore diameter
D	180 mm	Outside diameter
B	19 mm	Width
C _r	65.000 N	Basic dynamic load rating, radial
C _{0r}	64.000 N	Basic static load rating, radial
C _{ur}	3.100 N	Fatigue load limit, radial
n _G	5.200 1/min	Limiting speed
n _{gr}	3.550 1/min	Reference speed
≈m	1,56 kg	Masa



Mounting dimensions

$d_{a\ min}$	124,6 mm	Minimum diameter shaft shoulder
$D_{a\ max}$	175,4 mm	Maximum diameter of housing shoulder
$r_{a\ max}$	1 mm	Maximum fillet radius

Dimensions

$r_{\ min}$	1 mm	Minimum chamfer dimension
D_1	159,48 mm	Shoulder diameter outer ring
d_1	140,72 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	16,5	Calculation factor
-------	------	--------------------

Właściwości

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