



FAG

6416-M-C3

Deep groove ball bearing

Deep groove ball bearing 64...-M, single row, solid brass cage

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

Main Dimensions & Performance Data

d	80 mm	Bore diameter
D	200 mm	Outside diameter
B	48 mm	Width
C _r	173.000 N	Basic dynamic load rating, radial
C _{0r}	125.000 N	Basic static load rating, radial
C _{ur}	7.100 N	Fatigue load limit, radial
n _G	5.900 1/min	Limiting speed
n _{gr}	5.400 1/min	Reference speed
≈m	8,29 kg	Masa



Mounting dimensions

$d_{a\ min}$	96 mm	Minimum diameter shaft shoulder
$D_{a\ max}$	184 mm	Maximum diameter of housing shoulder
$r_{a\ max}$	2,5 mm	Maximum fillet radius

Dimensions

$r_{\ min}$	3 mm	Minimum chamfer dimension
D_1	162,14 mm	Shoulder diameter outer ring
d_1	117,94 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	12,3	Calculation factor
-------	------	--------------------

Właściwości



Obciążenie promieniowe



Obciążenie osiowe jednokierunkowe



Obciążenie osiowe dwukierunkowe



Smarowanie smarem



Smarowanie olejem



Bez uszczelnienia