



FAG

6096-M-C3

Deep groove ball bearing

Deep groove ball bearing 60...-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	S1	Rings dimensional stabilized up to 200°
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	480 mm	Bore diameter
D	700 mm	Outside diameter
B	100 mm	Width
C _r	610.000 N	Basic dynamic load rating, radial
C _{0r}	1.140.000 N	Basic static load rating, radial
C _{ur}	29.000 N	Fatigue load limit, radial
n _G	1.500 1/min	Limiting speed
n _{gr}	1.140 1/min	Reference speed
≈m	126 kg	Masa



Mounting dimensions

$d_{a\min}$	503 mm	Minimum diameter shaft shoulder
$D_{a\max}$	677 mm	Maximum diameter of housing shoulder
$r_{a\max}$	5 mm	Maximum fillet radius

Dimensions

$r_{\min}$	6 mm	Minimum chamfer dimension
D_1	634 mm	Shoulder diameter outer ring
d_1	548,7 mm	Shoulder diameter inner ring

Temperature range

$T_{\min}$	-30 °C	Operating temperature min.
$T_{\max}$	200 °C	Operating temperature max.

Calculation factors

f_0	16	Calculation factor
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Właściwości

-  Obciążenie promieniowe
-  Obciążenie osiowe jednokierunkowe
-  Obciążenie osiowe dwukierunkowe
-  Smarowanie smarem
-  Smarowanie olejem
-  Bez uszczelnienia
-  Łożysko gabarytowe