



FAG

61940-M-C3

Deep groove ball bearing

Deep groove ball bearing 619..-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	200 mm	Bore diameter
D	280 mm	Outside diameter
B	38 mm	Width
C _r	158.000 N	Basic dynamic load rating, radial
C _{0r}	168.000 N	Basic static load rating, radial
C _{ur}	6.400 N	Fatigue load limit, radial
n _G	4.050 1/min	Limiting speed
n _{gr}	2.950 1/min	Reference speed
≈m	7,119 kg	Masa



Mounting dimensions

d _{a min}	210,2 mm	Minimum diameter shaft shoulder
D _{a max}	269,8 mm	Maximum diameter of housing shoulder
r _{a max}	2,1 mm	Maximum fillet radius

Dimensions

r _{min}	2,1 mm	Minimum chamfer dimension
D ₁	255,25 mm	Shoulder diameter outer ring
d ₁	225,7 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	16,5	Calculation factor
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Właściwości

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