



FAG

6305-M-C3

Deep groove ball bearing

Deep groove ball bearing 63...-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	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	25 mm	Bore diameter
D	62 mm	Outside diameter
B	17 mm	Width
C _r	23.800 N	Basic dynamic load rating, radial
C _{0r}	11.500 N	Basic static load rating, radial
C _{ur}	780 N	Fatigue load limit, radial
n _G	21.000 1/min	Limiting speed
n _{gr}	12.300 1/min	Reference speed
≈m	293,55 g	Masa



Mounting dimensions

$d_{a\ min}$	32 mm	Minimum diameter shaft shoulder
$D_{a\ max}$	55 mm	Maximum diameter of housing shoulder
$r_{a\ max}$	1 mm	Maximum fillet radius

Dimensions

$r_{\min}$	1,1 mm	Minimum chamfer dimension
D_1	50,18 mm	Shoulder diameter outer ring
D_2	52,53 mm	Caliber diameter outer ring
d_1	36,4 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	12,4	Calculation factor
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Właściwości

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