



FAG

6005-C-C3>V

Deep groove ball bearing

Deep groove ball bearing 60...-C, single row,
Generation C, steel sheet metal cage

Informacje techniczne



Twoja aktualna wersja produktu

Version code	>V	Not marked on bearing
Changed internal design	C	GenerationC
Sealing	Without	Not sealed
Cage	JN	Steel sheet metal
Tolerance class	P6	Class 6 (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	47 mm	Outside diameter
B	12 mm	Width
C _r	12.600 N	Basic dynamic load rating, radial
C _{0r}	6.500 N	Basic static load rating, radial
C _{ur}	420 N	Fatigue load limit, radial
n _G	23.700 1/min	Limiting speed
n _{gr}	16.400 1/min	Reference speed
≈m	0,07 kg	Masa



Mounting dimensions

$d_{a\ min}$	28,2 mm	Minimum diameter shaft shoulder
$D_{a\ max}$	43,8 mm	Maximum diameter of housing shoulder
$r_{a\ max}$	0,6 mm	Maximum fillet radius

Dimensions

$r_{\ min}$	0,6 mm	Minimum chamfer dimension
$D_{\ 1}$	40,73 mm	Shoulder diameter outer ring
$D_{\ 2}$	42,66 mm	Caliber diameter outer ring
$d_{\ 1}$	31,27 mm	Shoulder diameter inner ring
$d_{\ 2}$	29,93 mm	Caliber diameter inner ring

Temperature range

$T_{\ min}$	-30 °C	Operating temperature min.
$T_{\ max}$	120 °C	Operating temperature max.

Calculation factors

$f_{\ 0}$	14,3	Calculation factor
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Właściwości

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