



FAG

6205-C-2HRS-FKM-S1-L237-C4>V

Deep groove ball bearing

Deep groove ball bearing 62...-C-2HRS, single row, Generation C, seals, steel sheet metal cage

Informacje techniczne



Twoja aktualna wersja produktu

Version code	>V	Not marked on bearing
Changed internal design	C	GenerationC
Sealing	2HRS	Contact seal on both sides
Cage	JN	Steel sheet metal
Tolerance class	P6	Class 6 (ISO 492:2023)
Dimensional / heat stabilization	S1	Rings dimensional stabilized up to 200°
Lubricant	L237	Grease (L237/customer specific)
Radial internal clearance	C4 (Group 4)	Internal clearance larger than C3
Bore type	Z	Cylindrical

Main Dimensions & Performance Data

d	25 mm	Bore diameter
D	52 mm	Outside diameter
B	15 mm	Width
C _r	15.900 N	Basic dynamic load rating, radial
C _{0r}	7.800 N	Basic static load rating, radial
C _{ur}	530 N	Fatigue load limit, radial
n _G	12.200 1/min	Limiting speed
≈m	0,124 kg	Masa



Mounting dimensions

$d_{a\min}$	30,6 mm	Minimum diameter shaft shoulder
$D_{a\max}$	46,4 mm	Maximum diameter of housing shoulder
$r_{a\max}$	1 mm	Maximum fillet radius

Dimensions

$r_{\min}$	1 mm	Minimum chamfer dimension
D_1	44,06 mm	Shoulder diameter outer ring
D_2	46,01 mm	Caliber diameter outer ring
d_1	32,94 mm	Shoulder diameter inner ring
d_2	31,61 mm	Caliber diameter inner ring

Temperature range

$T_{\min}$	-20 °C	Operating temperature min.
$T_{\max}$	180 °C	Operating temperature max.

Calculation factors

f_0	13,8	Calculation factor
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Właściwości

	Obciążenie promieniowe
	Obciążenie osiowe jednokierunkowe
	Obciążenie osiowe dwukierunkowe
	Smarowanie dożywotnie, bezobsługowe
	Smarowanie smarem
	Uszczelnienie dwustronne