



FAG

6205-C-2Z-L038-C3>V

Deep groove ball bearing

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

Informacje techniczne



Twoja aktualna wersja produktu

Version code	>V	Not marked on bearing
Changed internal design	C	GenerationC
Sealing	2Z	Non-contact shield on both sides
Cage	JN	Steel sheet metal
Tolerance class	P6	Class 6 (ISO 492:2023)
Dimensional / heat stabilization	SN	Rings dimensional stabilized up to 120°
Lubricant	L038	Grease (L038/customer specific)
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	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	18.400 1/min	Limiting speed
n _{gr}	16.000 1/min	Reference speed
≈m	0,125 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.
$T_{\ max}$	120 °C	Operating temperature max.

Calculation factors

$f_{\ 0}$	13,8	Calculation factor
-----------	------	--------------------

Właściwości

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