



FAG

6211-C-Z

Deep groove ball bearing

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

Informacje techniczne



Twoja aktualna wersja produktu

Changed internal design	C	GenerationC
Sealing	Z	Non-contact shield on one Side
Cage	JN	Steel sheet metal
Tolerance class	P6	Class 6 (ISO 492:2023)
Dimensional / heat stabilization	S0	Rings dimensional stabilized up to 150°
Lubricant	Without	Bearing not greased
Radial internal clearance	CN (Group N)	Normal internal clearance
Bore type	Z	Cylindrical

Main Dimensions & Performance Data

d	55 mm	Bore diameter
D	100 mm	Outside diameter
B	21 mm	Width
C _r	50.000 N	Basic dynamic load rating, radial
C _{0r}	29.000 N	Basic static load rating, radial
C _{ur}	2.020 N	Fatigue load limit, radial
n _G	10.400 1/min	Limiting speed
n _{gr}	8.300 1/min	Reference speed
≈m	0,576 kg	Masa



Mounting dimensions

$d_{a\ min}$	64 mm	Minimum diameter shaft shoulder
$D_{a\ max}$	91 mm	Maximum diameter of housing shoulder
$r_{a\ max}$	1,5 mm	Maximum fillet radius

Dimensions

$r_{\min}$	1,5 mm	Minimum chamfer dimension
D_1	86,95 mm	Shoulder diameter outer ring
D_2	89,72 mm	Caliber diameter outer ring
d_1	68,62 mm	Shoulder diameter inner ring
d_2	66,69 mm	Caliber diameter inner ring

Temperature range

$T_{\min}$	-30 °C	Operating temperature min.
$T_{\max}$	150 °C	Operating temperature max.

Calculation factors

f_0	14,2	Calculation factor
-------	------	--------------------

Właściwości

	Obciążenie promieniowe
	Obciążenie osiowe jednokierunkowe
	Obciążenie osiowe dwukierunkowe
	Smarowanie smarem
	Smarowanie olejem
	Uszczelnienie jednostronne