



FAG

6001-C-2BRS-P5-L207/50-R8-13>V

Deep groove ball bearing

Deep groove ball bearing 60...-C-2BRS, 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	2BRS	Non-contact seal on both sides
Cage	JN	Steel sheet metal
Tolerance class	P5	Class 5 (ISO 492:2023)
Dimensional / heat stabilization	SN	Rings dimensional stabilized up to 120°
Lubricant	L207	Low noise high-temperature grease, interchangeable with grease L069
Fill factor	50%	
Radial internal clearance	R\$-\$	Special radial internal clearance in µm
Bore type	Z	Cylindrical



Main Dimensions & Performance Data

d	12 mm	Bore diameter
D	28 mm	Outside diameter
B	8 mm	Width
C _r	5.900 N	Basic dynamic load rating, radial
C _{0r}	2.370 N	Basic static load rating, radial
C _{ur}	164 N	Fatigue load limit, radial
n _G	36.000 1/min	Limiting speed
n _{gr}	26.000 1/min	Reference speed
m	0,02 kg	Masa

Mounting dimensions

d _{a min}	14 mm	Minimum diameter shaft shoulder
D _{a max}	26 mm	Maximum diameter of housing shoulder
r _{a max}	0,3 mm	Maximum fillet radius

Dimensions

r _{min}	0,3 mm	Minimum chamfer dimension
D ₁	23,34 mm	Shoulder diameter outer ring
D ₂	25,1 mm	Caliber diameter outer ring
d ₁	16,66 mm	Shoulder diameter inner ring
d ₂	15,69 mm	Caliber diameter inner ring

Temperature range

T _{min}	-30 °C	Operating temperature min.
T _{max}	100 °C	Operating temperature max.

Calculation factors

f ₀	13,1	Calculation factor
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Właściwości

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