



FAG

6002-C-2BRS-L138/35-R4-11>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	P6	Class 6 (ISO 492:2023)
Dimensional / heat stabilization	SN	Rings dimensional stabilized up to 120°
Lubricant	L138	Grease (L138/customer specific)
Fill factor	35%	
Radial internal clearance	R\$-\$	Special radial internal clearance in µm
Bore type	Z	Cylindrical



Main Dimensions & Performance Data

d	15 mm	Bore diameter
D	32 mm	Outside diameter
B	9 mm	Width
C _r	6.300 N	Basic dynamic load rating, radial
C _{0r}	2.850 N	Basic static load rating, radial
C _{ur}	191 N	Fatigue load limit, radial
n _G	31.500 1/min	Limiting speed
n _{gr}	23.200 1/min	Reference speed
m	0,029 kg	Masa

Mounting dimensions

d _{a min}	17 mm	Minimum diameter shaft shoulder
D _{a max}	30 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	26,84 mm	Shoulder diameter outer ring
D ₂	28,75 mm	Caliber diameter outer ring
d ₁	20,16 mm	Shoulder diameter inner ring
d ₂	19,18 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	14	Calculation factor
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Właściwości



Obciążenie promieniowe



Obciążenie osiowe jednokierunkowe



Obciążenie osiowe dwukierunkowe



Smarowanie dożywotnie, bezobsługowe



Smarowanie smarem



Uszczelnienie dwustronne