



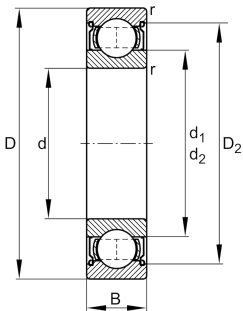
FAG

SF685-2Z>N

Deep groove ball bearing

Deep groove ball bearing SF68..-2Z,
corrosion-resistant materials, single row, with
flange, shields, steel sheet metal cage

Informacje techniczne



Twoja aktualna wersja produktu

Version code	>N	Not marked on bearing
Cage	JN	Steel sheet metal
Material Bearing	S	Stainless steel
Design, bearing outer ring	F	Flange
Sealing	2Z	Non-contact shield on both sides
Tolerance class	PN	Normal (ISO 492:2023)
Dimensional / heat stabilization	SN	Rings dimensional stabilized up to 120°
Lubricant	Lubricating grease	
Radial internal clearance	CN (Group N)	Normal internal clearance

Main Dimensions & Performance Data

d	5 mm	Bore diameter
D	11 mm	Outside diameter
B	5 mm	Width
C _r	760 N	Basic dynamic load rating, radial
C _{0r}	280 N	Basic static load rating, radial
C _{ur}	17,5 N	Fatigue load limit, radial
n _G	71.000 1/min	Limiting speed
n _{gr}	4.700 1/min	Reference speed
≈m	2,15 g	Masa



Dimensions

r _{min}	0,15 mm	Minimum chamfer dimension
D ₁	9,19 mm	Shoulder diameter outer ring
D ₂	9,7 mm	Caliber diameter outer ring
d ₁	6,7 mm	Shoulder diameter inner ring
B _f	1 mm	Width flange
D _f	12,5 mm	Outer diameter flange

Temperature range

T _{min}	-30 °C	Operating temperature min.
T _{max}	120 °C	Operating temperature max.

Calculation factors

f ₀	13,9	Calculation factor
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Właściwości

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