



FAG

697-2Z

Deep groove ball bearing

Deep groove ball bearing 69...-2Z, single row, shields, steel sheet metal cage

Informacje techniczne



Twoja aktualna wersja produktu

Logistical code	HLC	-
Sealing	2Z	Non-contact shield on both sides
Cage	JN	Steel sheet metal
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
Bore type	Z	Cylindrical

Main Dimensions & Performance Data

d	7 mm	Bore diameter
D	17 mm	Outside diameter
B	5 mm	Width
C _r	1.710 N	Basic dynamic load rating, radial
C _{0r}	710 N	Basic static load rating, radial
C _{ur}	44 N	Fatigue load limit, radial
n _G	51.000 1/min	Limiting speed
n _{gr}	34.000 1/min	Reference speed
≈m	5,01 g	Masa



Mounting dimensions

d _{a min}	9 mm	Minimum diameter shaft shoulder
D _{a max}	15 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	13,8 mm	Shoulder diameter outer ring
D ₂	14,9 mm	Caliber diameter outer ring
d ₁	10,2 mm	Shoulder diameter inner ring
d ₂	9,2 mm	Caliber diameter inner ring

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