



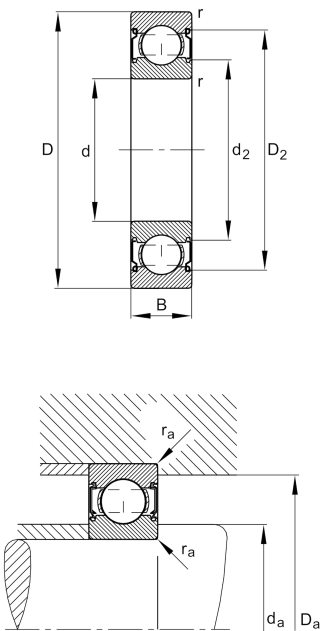
FAG

HC6310-C-2Z-L207-C3

Deep groove ball bearing

Deep groove ball bearing HC63...-C-2Z,
Hybrid bearing, single row, Generation C,
shields, steel sheet metal cage

Informacje techniczne



Twoja aktualna wersja produktu

Material Bearing	HC	Hybrid bearing, rolling elements ceramic, bearing rings made of steel
Changed internal design	C	GenerationC
Sealing	2Z	Non-contact shield on both sides
Cage	JN	Steel sheet metal
Tolerance class	P6	Class 6 (ISO 492:2023)
Dimensional / heat stabilization	S0	Rings dimensional stabilized up to 150°
Lubricant	L207	Low noise high-temperature grease, interchangeable with grease L069
Radial internal clearance	C3 (Group 3)	Internal clearance larger than CN
Bore type	Z	Cylindrical



Main Dimensions & Performance Data

d	50 mm	Bore diameter
D	110 mm	Outside diameter
B	27 mm	Width
C _r	67.000 N	Basic dynamic load rating, radial
C _{0r}	36.500 N	Basic static load rating, radial
C _{ur}	1.910 N	Fatigue load limit, radial
n _G	9.700 1/min	Limiting speed
n _{gr}	8.400 1/min	Reference speed
m	0,96 kg	Masa

Mounting dimensions

d _{a min}	61 mm	Minimum diameter shaft shoulder
D _{a max}	99 mm	Maximum diameter of housing shoulder
r _{a max}	2 mm	Maximum fillet radius

Dimensions

r _{min}	2 mm	Minimum chamfer dimension
D ₁	92,1 mm	Shoulder diameter outer ring
D ₂	95,22 mm	Caliber diameter outer ring
d ₁	68,64 mm	Shoulder diameter inner ring
d ₂	66,74 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	12,6	Calculation factor
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Właściwości

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