



FAG

63801-2Z-HLC

Deep groove ball bearing

Deep groove ball bearing 638...-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	12 mm	Bore diameter
D	21 mm	Outside diameter
B	7 mm	Width
C _r	1.890 N	Basic dynamic load rating, radial
C _{0r}	910 N	Basic static load rating, radial
C _{ur}	47,5 N	Fatigue load limit, radial
n _G	42.500 1/min	Limiting speed
n _{gr}	31.000 1/min	Reference speed
≈m	8,5 g	Masa



Mounting dimensions

d a min	14 mm	Minimum diameter shaft shoulder
D a max	19 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	18,3 mm	Shoulder diameter outer ring
D 2	19,15 mm	Caliber diameter outer ring
d 1	14,8 mm	Shoulder diameter inner ring
d 2	13,8 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	13,4	Calculation factor
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Właściwości

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