



FAG

6312-H-2Z-SN>N

Deep groove ball bearing

Deep groove ball bearing 63...-H-2Z, single row, H-Series, shields, steel sheet metal cage

Informacje techniczne



Twoja aktualna wersja produktu

Version code	>N	Not marked on bearing
Changed internal design	H	Design variant H (H-Series)
Type of Seal	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	60 mm	Bore diameter
D	130 mm	Outside diameter
B	31 mm	Width
C _r	81.910 N	Basic dynamic load rating, radial
C _{0r}	52.140 N	Basic static load rating, radial
C _{ur}	3.200 N	Fatigue load limit, radial
n _G	6.000 1/min	Limiting speed
n _{gr}	6.600 1/min	Reference speed
≈m	1,71 kg	Masa



Mounting dimensions

$d_{a \min}$	72 mm	Minimum diameter shaft shoulder
$D_{a \max}$	118 mm	Maximum diameter of housing shoulder
$r_{a \max}$	2,1 mm	Maximum fillet radius

Dimensions

$r_{\min}$	2,1 mm	Minimum chamfer dimension
D_1	108,4 mm	Shoulder diameter outer ring
D_2	111,2 mm	Caliber diameter outer ring
d_1	81,7 mm	Shoulder diameter inner ring
d_2	79 mm	Caliber diameter inner ring

Temperature range

$T_{\min}$	-20 °C	Operating temperature min.
$T_{\max}$	120 °C	Operating temperature max.

Calculation factors

f_0	13,2	Calculation factor
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Właściwości

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