



FAG

6003-H>N

Deep groove ball bearing

Deep groove ball bearing 60...-H, single row, H-Series, 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)
Sealing	Without	Not sealed
Cage	JN	Steel sheet metal
Tolerance class	PN	Normal (ISO 492:2023)
Dimensional / heat stabilization	SN	Rings dimensional stabilized up to 120°
Lubricant	Without	Bearing not greased
Radial internal clearance	CN (Group N)	Normal internal clearance
Bore type	Z	Cylindrical

Main Dimensions & Performance Data

d	17 mm	Bore diameter
D	35 mm	Outside diameter
B	10 mm	Width
C _r	6.000 N	Basic dynamic load rating, radial
C _{0r}	3.240 N	Basic static load rating, radial
C _{ur}	198 N	Fatigue load limit, radial
n _G	31.000 1/min	Limiting speed
n _{gr}	20.300 1/min	Reference speed
m	0,038 kg	Masa



Mounting dimensions

d a min	19 mm	Minimum diameter shaft shoulder
D a max	33 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	29,1 mm	Shoulder diameter outer ring
D 2	30,9 mm	Caliber diameter outer ring
d 1	23 mm	Shoulder diameter inner ring
d 2	21,3 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	14,3	Calculation factor
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Właściwości

	Obciążenie promieniowe
	Obciążenie osiowe jednokierunkowe
	Obciążenie osiowe dwukierunkowe
	Smarowanie smarem
	Smarowanie olejem
	Bez uszczelnienia