



FAG

S6003-HLC

Deep groove ball bearing

Deep groove ball bearing S60, corrosion-resistant materials, single row, steel sheet metal cage

Informacje techniczne



Twoja aktualna wersja produktu

Logistical code	HLC	-
Material Bearing	S	Stainless steel
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	6.400 N	Basic dynamic load rating, radial
C _{0r}	3.250 N	Basic static load rating, radial
C _{ur}	202 N	Fatigue load limit, radial
n _G	31.000 1/min	Limiting speed
n _{gr}	20.300 1/min	Reference speed
m	39 g	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	31 mm	Caliber diameter outer ring
d_1	22,9 mm	Shoulder 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
	Ochrona przed korozją