



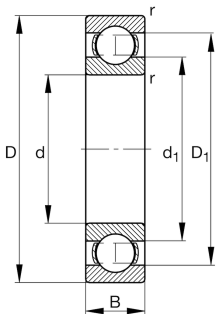
FAG

HC6304-C3

Deep groove ball bearing

Deep groove ball bearing HC63, Hybrid bearing, single row, steel sheet metal cage

Informacje techniczne



Twoja aktualna wersja produktu

Material Bearing	HC	Hybrid bearing, rolling elements ceramic, bearing rings made of 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	C3 (Group 3)	Internal clearance larger than CN
Bore type	Z	Cylindrical

Main Dimensions & Performance Data

d	20 mm	Bore diameter
D	52 mm	Outside diameter
B	15 mm	Width
C _r	19.700 N	Basic dynamic load rating, radial
C _{0r}	10.000 N	Basic static load rating, radial
C _{ur}	395 N	Fatigue load limit, radial
n _G	23.800 1/min	Limiting speed
n _{gr}	15.600 1/min	Reference speed
m	0,146 kg	Masa



Mounting dimensions

$d_{a \min}$	27 mm	Minimum diameter shaft shoulder
$D_{a \max}$	45 mm	Maximum diameter of housing shoulder
$r_{a \max}$	1,1 mm	Maximum fillet radius

Dimensions

$r_{\min}$	1,1 mm	Minimum chamfer dimension
D_1	41,95 mm	Shoulder diameter outer ring
D_2	44,4 mm	Caliber diameter outer ring
d_1	30,3 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	15,7	Calculation factor
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Właściwości

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