



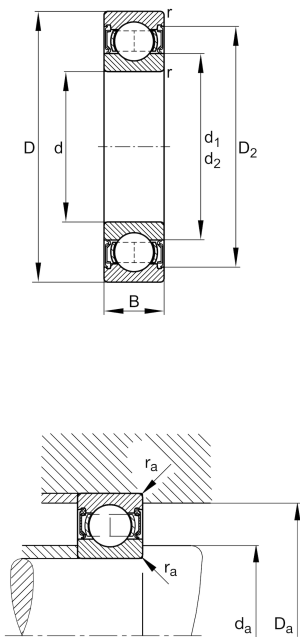
FAG

HC6003-2RSR-TVH-L207-C3

Deep groove ball bearing

Deep groove ball bearing HC60..-2RSR-TVH,
Hybrid bearing, single row, seals, plastic cage

Informacje techniczne



Twoja aktualna wersja produktu

Material Bearing	HC	Hybrid bearing, rolling elements ceramic, bearing rings made of steel
Sealing	2RSR	Contact seal on both sides
Cage	TVH	Solid cage made of glass-fiber reinforced polyamid PA66
Tolerance class	PN	Normal (ISO 492:2023)
Dimensional / heat stabilization	SN	Rings dimensional stabilized up to 120°
Lubricant	L207	Low noise high-temperature grease, interchangeable with grease L069
Radial internal clearance	C3 (Group 3)	Internal clearance larger than CN
Bore type	Z	Cylindrical

Main Dimensions & Performance Data

d	17 mm	Bore diameter
D	35 mm	Outside diameter
B	10 mm	Width
C _r	6.700 N	Basic dynamic load rating, radial
C _{0r}	2.950 N	Basic static load rating, radial
C _{ur}	118 N	Fatigue load limit, radial
n _G	11.800 1/min	Limiting speed
≈m	37 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	29,51 mm	Shoulder diameter outer ring
D_2	30,81 mm	Caliber diameter outer ring
d_1	22,65 mm	Shoulder diameter inner ring

Temperature range

$T_{\min}$	-30 °C	Operating temperature min.
$T_{\max}$	100 °C	Operating temperature max.

Calculation factors

f_0	13	Calculation factor
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Właściwości

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