



FAG

4205-BB-TVH

Deep groove ball bearing

Deep groove ball bearing 42...-BB-TVH,
double row, plastic cage

Informacje techniczne



Twoja aktualna wersja produktu

Design variant	B	Bearing without filling slot
Tolerance class	PN	Normal (ISO 492:2023)
Changed internal design	B	B
Cage	TVH	Solid cage made of glass-fiber reinforced polyamid PA66
Lubricant	GA14	Ball bearing grease, low noise
Dimensional / heat stabilization	SN	Rings dimensional stabilized up to 120°
Radial internal clearance	CN (Group N)	Normal internal clearance

Main Dimensions & Performance Data

d	25 mm	Bore diameter
D	52 mm	Outside diameter
B	18 mm	Width
C _r	22.900 N	Basic dynamic load rating, radial
C _{0r}	15.700 N	Basic static load rating, radial
C _{ur}	820 N	Fatigue load limit, radial
n _G	13.100 1/min	Limiting speed
n _{gr}	11.200 1/min	Reference speed
≈m	0,156 kg	Masa



Mounting dimensions

$d_{a\min}$	30,6 mm	Minimum diameter shaft shoulder
$D_{a\max}$	46,4 mm	Maximum diameter of housing shoulder
$r_{a\max}$	1 mm	Maximum fillet radius

Dimensions

$r_{\min}$	1 mm	Minimum chamfer dimension
D_1	43,79 mm	Shoulder diameter outer ring
d_1	33,55 mm	Shoulder diameter inner ring

Temperature range

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

Calculation factors

f_0	13,8	Calculation factor
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Właściwości

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