



FAG

4209-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	GA13	Ball bearing and insert bearing grease
Dimensional / heat stabilization	SN	Rings dimensional stabilized up to 120°
Radial internal clearance	CN (Group N)	Normal internal clearance

Main Dimensions & Performance Data

d	45 mm	Bore diameter
D	85 mm	Outside diameter
B	23 mm	Width
C _r	44.500 N	Basic dynamic load rating, radial
C _{0r}	38.000 N	Basic static load rating, radial
C _{ur}	1.990 N	Fatigue load limit, radial
n _G	7.900 1/min	Limiting speed
n _{gr}	6.900 1/min	Reference speed
≈m	0,532 kg	Masa



Mounting dimensions

$d_{a\ min}$	52 mm	Minimum diameter shaft shoulder
$D_{a\ max}$	78 mm	Maximum diameter of housing shoulder
$r_{a\ max}$	1 mm	Maximum fillet radius

Dimensions

$r_{\ min}$	1,1 mm	Minimum chamfer dimension
D_1	72,4 mm	Shoulder diameter outer ring
d_1	58,1 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	14,9	Calculation factor
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Właściwości



Obciążenie promieniowe



Obciążenie osiowe jednokierunkowe



Obciążenie osiowe dwukierunkowe



Smarowanie smarem



Bez uszczelnienia