



FAG

2203-TVH-C3>N

Self-aligning ball bearing

Self-aligning ball bearing 22...TVH, plastic cage

Informacje techniczne



Twoja aktualna wersja produktu

Version code	>N	Not marked on bearing
Bore type	Z	Cylindrical
Type of Seal	Without	Not sealed
Cage	TVH	Solid cage made of glass-fiber reinforced polyamide PA66
Tolerance class	PN	Normal (ISO 492:2023)
Radial internal clearance	C3 (Group 3)	Internal clearance larger than CN
Lubricant	Without	Bearing not greased

Main Dimensions & Performance Data

d	17 mm	Bore diameter
D	40 mm	Outside diameter
B	16 mm	Width
C _r	11.800 N	Basic dynamic load rating, radial
C _{0r}	2.750 N	Basic static load rating, radial
C _{ur}	176 N	Fatigue load limit, radial
n _G	19.100 1/min	Limiting speed
n _{gr}	17.400 1/min	Reference speed
≈m	0,085 kg	Masa



Mounting dimensions

$d_{a\ min}$	21,2 mm	Minimum diameter shaft shoulder
$D_{a\ max}$	35,8 mm	Maximum diameter of housing shoulder
$r_{a\ max}$	0,6 mm	Maximum fillet radius

Dimensions

$r_{\ min}$	0,6 mm	Minimum chamfer dimension
D_1	33,86 mm	Shoulder diameter outer ring
d_1	23,9 mm	Shoulder diameter inner ring

Temperature range

$T_{\ min}$	-30 °C	Operating temperature min.
$T_{\ max}$	120 °C	Operating temperature max.

Calculation factors

e	0,46	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	1,37	Dynamic axial load factor
Y_2	2,11	Dynamic axial load factor
Y_0	1,43	Static axial load factor

Właściwości

	Obciążenie promieniowe
	Obciążenie osiowe jednokierunkowe
	Obciążenie osiowe dwukierunkowe
	Smarowanie smarem
	Smarowanie olejem
	Bez uszczelnienia
	Nieosiowość statyczna
	Nieosiowość dynamiczna