



FAG

2209-TVH>J

Self-aligning ball bearing

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

Informacje techniczne



Twoja aktualna wersja produktu

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

Main Dimensions & Performance Data

d	45 mm	Bore diameter
D	85 mm	Outside diameter
B	23 mm	Width
C _r	28.500 N	Basic dynamic load rating, radial
C _{0r}	9.000 N	Basic static load rating, radial
C _{ur}	570 N	Fatigue load limit, radial
n _G	8.600 1/min	Limiting speed
n _{gr}	7.800 1/min	Reference speed
m	0,514 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	75,41 mm	Shoulder diameter outer ring
d_1	58,95 mm	Shoulder diameter inner ring

Temperature range

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

Calculation factors

e	0,26	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	2,43	Dynamic axial load factor
Y_2	3,76	Dynamic axial load factor
Y_0	2,55	Static axial load factor

Właściwości

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