



FAG

2205-TVH

Self-aligning ball bearing

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

Informacje techniczne



Twoja aktualna wersja produktu

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	25 mm	Bore diameter
D	52 mm	Outside diameter
B	18 mm	Width
C _r	17.300 N	Basic dynamic load rating, radial
C _{0r}	4.450 N	Basic static load rating, radial
C _{ur}	285 N	Fatigue load limit, radial
n _G	14.400 1/min	Limiting speed
n _{gr}	13.400 1/min	Reference speed
≈m	0,155 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	44,42 mm	Shoulder diameter outer ring
d_1	32,25 mm	Shoulder diameter inner ring

Temperature range

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

Calculation factors

e	0,35	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	1,78	Dynamic axial load factor
Y_2	2,75	Dynamic axial load factor
Y_0	1,86	Static axial load factor

Właściwości

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