



FAG

2205-K-TVH-C3

Self-aligning ball bearing

Self-aligning ball bearing 22..-K-TVH, tapered bore taper 1:12, plastic cage

Informacje techniczne



Twoja aktualna wersja produktu

Bore type	K	Tapered, taper 1:12
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	C3 (Group 3)	Internal clearance larger than CN
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	0,149 kg	Masa



Mounting dimensions

$d_{a \min}$	30,6 mm	Minimum diameter shaft shoulder
$d_{a \max}$	32 mm	Maximum diameter shaft shoulder
$D_{a \max}$	46,4 mm	Maximum diameter of housing shoulder
$d_{b \min}$	28 mm	Minimum cavity diameter of the sleeve
$B_{a \min}$	5 mm	Minimum cavity width of the sleeve
$r_{a \max}$	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

Additional information

H305

Adapter sleeve



Właściwości



Obciążenie promieniowe



Obciążenie osiowe jednokierunkowe



Obciążenie osiowe dwukierunkowe



Smarowanie smarem



Smarowanie olejem



Bez uszczelnienia



Nieosiowość statyczna



Nieosiowość dynamiczna