



FAG

1200-TVH-C3

Self-aligning ball bearing

Self-aligning ball bearing 12...TVH, plastic cage

Informacje techniczne



Twoja aktualna wersja produktu

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	10 mm	Bore diameter
D	30 mm	Outside diameter
B	9 mm	Width
C _r	5.700 N	Basic dynamic load rating, radial
C _{0r}	1.190 N	Basic static load rating, radial
C _{ur}	76 N	Fatigue load limit, radial
n _G	29.500 1/min	Limiting speed
n _{gr}	22.100 1/min	Reference speed
≈m	0,033 kg	Masa

Mounting dimensions

d _{a min}	14,2 mm	Minimum diameter shaft shoulder
D _{a max}	25,8 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	23,25 mm	Shoulder diameter outer ring
d_1	16,25 mm	Shoulder diameter inner ring

Temperature range

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

Calculation factors

e	0,32	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	1,96	Dynamic axial load factor
Y_2	3,03	Dynamic axial load factor
Y_0	2,05	Static axial load factor

Właściwości

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