



FAG

127-TVH

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	CN (Group N)	Normal internal clearance
Lubricant	Without	Bearing not greased

Main Dimensions & Performance Data

d	7 mm	Bore diameter
D	22 mm	Outside diameter
B	7 mm	Width
C _r	2.750 N	Basic dynamic load rating, radial
C _{0r}	560 N	Basic static load rating, radial
C _{ur}	35,5 N	Fatigue load limit, radial
n _G	39.000 1/min	Limiting speed
n _{gr}	26.500 1/min	Reference speed
≈m	0,014 kg	Masa

Mounting dimensions

d _{a min}	9,4 mm	Minimum diameter shaft shoulder
D _{a max}	19,6 mm	Maximum diameter of housing shoulder
r _{a max}	0,3 mm	Maximum fillet radius



Dimensions

$r_{\min}$	0,3 mm	Minimum chamfer dimension
D_1	17,14 mm	Shoulder diameter outer ring
d_1	12,4 mm	Shoulder diameter inner ring

Temperature range

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

Calculation factors

e	0,33	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	1,93	Dynamic axial load factor
Y_2	2,98	Dynamic axial load factor
Y_0	2,02	Static axial load factor

Właściwości

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