



FAG

1311-K-TVH>N

Self-aligning ball bearing

Self-aligning ball bearing 13..-K-TVH, tapered bore taper 1:12, plastic cage

Informacje techniczne



Twoja aktualna wersja produktu

Version code	>N	Not marked on bearing
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	CN (Group N)	Normal internal clearance
Lubricant	Without	Bearing not greased

Main Dimensions & Performance Data

d	55 mm	Bore diameter
D	120 mm	Outside diameter
B	29 mm	Width
C _r	52.000 N	Basic dynamic load rating, radial
C _{0r}	17.900 N	Basic static load rating, radial
C _{ur}	1.130 N	Fatigue load limit, radial
n _G	6.100 1/min	Limiting speed
n _{gr}	5.800 1/min	Reference speed
m	1,55 kg	Masa



Mounting dimensions

$d_{a \min}$	66 mm	Minimum diameter shaft shoulder
$d_{a \max}$	74 mm	Maximum diameter shaft shoulder
$D_{a \max}$	109 mm	Maximum diameter of housing shoulder
$d_{b \min}$	60 mm	Minimum cavity diameter of the sleeve
$B_{a \min}$	6 mm	Minimum cavity width of the sleeve
$r_{a \max}$	2 mm	Maximum fillet radius

Dimensions

$r_{\min}$	2 mm	Minimum chamfer dimension
D_1	101,04 mm	Shoulder diameter outer ring
d_1	78 mm	Shoulder diameter inner ring

Temperature range

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

Calculation factors

e	0,24	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	2,65	Dynamic axial load factor
Y_2	4,1	Dynamic axial load factor
Y_0	2,78	Static axial load factor

Additional information

H311

Adapter sleeve



Właściwości

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