



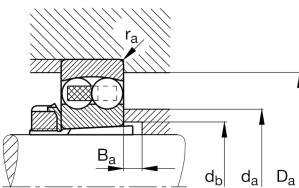
FAG

1305-K-TVH-C3>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	C3 (Group 3)	Internal clearance larger than CN
Lubricant	Without	Bearing not greased

Main Dimensions & Performance Data

d	25 mm	Bore diameter
D	62 mm	Outside diameter
B	17 mm	Width
C _r	18.300 N	Basic dynamic load rating, radial
C _{0r}	5.000 N	Basic static load rating, radial
C _{ur}	320 N	Fatigue load limit, radial
n _G	12.900 1/min	Limiting speed
n _{gr}	10.000 1/min	Reference speed
m	252 g	Masa



Mounting dimensions

d a min	32 mm	Minimum diameter shaft shoulder
d a max	35 mm	Maximum diameter shaft shoulder
D a max	55 mm	Maximum diameter of housing shoulder
d b min	28 mm	Minimum cavity diameter of the sleeve
B a min	6 mm	Minimum cavity width of the sleeve
r a max	1 mm	Maximum fillet radius

Dimensions

r min	1,1 mm	Minimum chamfer dimension
D 1	50,42 mm	Shoulder diameter outer ring
d 1	38,1 mm	Shoulder diameter inner ring

Temperature range

T min	-30 °C	Operating temperature min.
T max	120 °C	Operating temperature max.

Calculation factors

e	0,28	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y 1	2,29	Dynamic axial load factor
Y 2	3,54	Dynamic axial load factor
Y 0	2,4	Static axial load factor

Additional information

H305	Adapter sleeve
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Właściwości

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