



FAG

1307-K-TVH-C3>J

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	>J	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	35 mm	Bore diameter
D	80 mm	Outside diameter
B	21 mm	Width
C _r	25.500 N	Basic dynamic load rating, radial
C _{0r}	7.900 N	Basic static load rating, radial
C _{ur}	500 N	Fatigue load limit, radial
n _G	9.700 1/min	Limiting speed
n _{gr}	7.800 1/min	Reference speed
≈m	0,497 kg	Masa



Mounting dimensions

$d_{a \min}$	44 mm	Minimum diameter shaft shoulder
$d_{a \max}$	49 mm	Maximum diameter shaft shoulder
$D_{a \max}$	71 mm	Maximum diameter of housing shoulder
$d_{b \min}$	39 mm	Minimum cavity diameter of the sleeve
$B_{a \min}$	7 mm	Minimum cavity width of the sleeve
$r_{a \max}$	1,5 mm	Maximum fillet radius

Dimensions

$r_{\min}$	1,5 mm	Minimum chamfer dimension
D_1	70,05 mm	Shoulder diameter outer ring
d_1	51,25 mm	Shoulder diameter inner ring

Temperature range

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

Calculation factors

e	0,26	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	2,46	Dynamic axial load factor
Y_2	3,8	Dynamic axial load factor
Y_0	2,57	Static axial load factor

Additional information

H307

Adapter sleeve



Właściwości



Obciążenie promieniowe



Obciążenie osiowe jednokierunkowe



Obciążenie osiowe dwukierunkowe



Smarowanie smarem



Smarowanie olejem



Bez uszczelnienia



Nieosiowość statyczna



Nieosiowość dynamiczna