



FAG

1218-K-TVH-C4>J

Self-aligning ball bearing

Self-aligning ball bearing 12..-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	C4 (Group 4)	Internal clearance larger than C3
Lubricant	Without	Bearing not greased

Main Dimensions & Performance Data

d	90 mm	Bore diameter
D	160 mm	Outside diameter
B	30 mm	Width
C _r	57.000 N	Basic dynamic load rating, radial
C _{0r}	23.500 N	Basic static load rating, radial
C _{ur}	1.330 N	Fatigue load limit, radial
n _G	4.550 1/min	Limiting speed
n _{gr}	4.850 1/min	Reference speed
≈m	2,48 kg	Masa



Mounting dimensions

$d_{a \min}$	101 mm	Minimum diameter shaft shoulder
$d_{a \max}$	110 mm	Maximum diameter shaft shoulder
$D_{a \max}$	149 mm	Maximum diameter of housing shoulder
$d_{b \min}$	95 mm	Minimum cavity diameter of the sleeve
$B_{a \min}$	7 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	138,7 mm	Shoulder diameter outer ring
d_1	112,7 mm	Shoulder diameter inner ring

Temperature range

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

Calculation factors

e	0,17	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	3,74	Dynamic axial load factor
Y_2	5,79	Dynamic axial load factor
Y_0	3,92	Static axial load factor

Additional information

H218

Adapter sleeve



Właściwości

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