



FAG

2209-K-TVH>J

Self-aligning ball bearing

Self-aligning ball bearing 22..-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	CN (Group N)	Normal internal clearance
Lubricant	Without	Bearing not greased

Main Dimensions & Performance Data

d	45 mm	Bore diameter
D	85 mm	Outside diameter
B	23 mm	Width
C _r	28.500 N	Basic dynamic load rating, radial
C _{0r}	9.000 N	Basic static load rating, radial
C _{ur}	570 N	Fatigue load limit, radial
n _G	8.600 1/min	Limiting speed
n _{gr}	7.800 1/min	Reference speed
m	0,502 kg	Masa



Mounting dimensions

d _{a min}	52 mm	Minimum diameter shaft shoulder
d _{a max}	56 mm	Maximum diameter shaft shoulder
D _{a max}	78 mm	Maximum diameter of housing shoulder
d _{b min}	50 mm	Minimum cavity diameter of the sleeve
B _{a min}	7 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	75,41 mm	Shoulder diameter outer ring
d ₁	58,95 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 Fa/Fr for the applicability of diff. Values of factors X and Y
Y ₁	2,43	Dynamic axial load factor
Y ₂	3,76	Dynamic axial load factor
Y ₀	2,55	Static axial load factor

Additional information

H309	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