

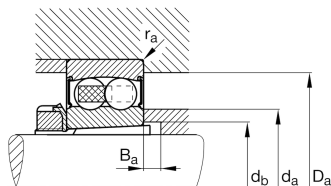
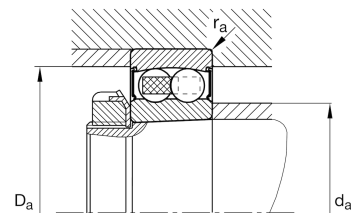
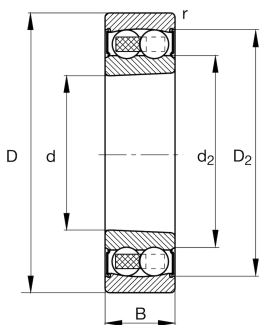
FAG

2309-K-2RS-TVH-C3>N

Self-aligning ball bearing

Self-aligning ball bearing 23..-K-2RS-TVH,
tapered bore taper 1:12, seals, plastic cage

Informacje techniczne



Twoja aktualna wersja produktu

Version code	>N	Not marked on bearing
Bore type	K	Tapered, taper 1:12
Sealing	2RS	Contact seal on both sides
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	GA13	Ball bearing and insert bearing grease

Main Dimensions & Performance Data

d	45 mm	Bore diameter
D	100 mm	Outside diameter
B	36 mm	Width
C _r	38.500 N	Basic dynamic load rating, radial
C _{0r}	12.700 N	Basic static load rating, radial
C _{ur}	810 N	Fatigue load limit, radial
n _G	4.550 1/min	Limiting speed
≈m	1,2 kg	Masa



Mounting dimensions

d _{a min}	54 mm	Minimum diameter shaft shoulder
d _{a max}	61 mm	Maximum diameter shaft shoulder
D _{a max}	91 mm	Maximum diameter of housing shoulder
d _{b min}	50 mm	Minimum cavity diameter of the sleeve
B _{a min}	5 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	83,684 mm	Shoulder diameter outer ring
D ₂	85,81 mm	Caliber diameter outer ring
d ₁	63,9 mm	Shoulder diameter inner ring
d ₂	57,45 mm	Caliber diameter inner ring

Temperature range

T _{min}	-20 °C	Operating temperature min.
T _{max}	100 °C	Operating temperature max.

Calculation factors

e	0,25	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y ₁	2,51	Dynamic axial load factor
Y ₂	3,88	Dynamic axial load factor
Y ₀	2,63	Static axial load factor

Additional information

H2309	Adapter sleeve
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Właściwości

-  Obciążenie promieniowe
-  Obciążenie osiowe jednokierunkowe
-  Obciążenie osiowe dwukierunkowe
-  Smarowanie dożywotnie, bezobsługowe
-  Smarowanie smarem
-  Uszczelnienie dwustronne
-  Nieosiowość statyczna
-  Nieosiowość dynamiczna