



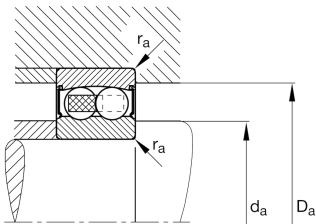
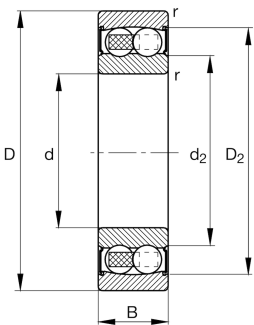
FAG

2311-2RS-TVH-C3>N

Self-aligning ball bearing

Self-aligning ball bearing 23...2RS-TVH, seals, plastic cage

Informacje techniczne



Twoja aktualna wersja produktu

Version code	>N	Not marked on bearing
Bore type	Z	Cylindrical
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	55 mm	Bore diameter
D	120 mm	Outside diameter
B	43 mm	Width
C _r	52.000 N	Basic dynamic load rating, radial
C _{0r}	17.900 N	Basic static load rating, radial
C _{ur}	1.130 N	Fatigue load limit, radial
n _G	3.750 1/min	Limiting speed
≈m	2,125 kg	Masa

Mounting dimensions

d _{a min}	66 mm	Minimum diameter shaft shoulder
D _{a max}	109 mm	Maximum diameter of housing shoulder
r _{a max}	2 mm	Maximum fillet radius



Dimensions

r _{min}	2 mm	Minimum chamfer dimension
D ₁	101,272 mm	Shoulder diameter outer ring
D ₂	106,35 mm	Caliber diameter outer ring
d ₁	77,8 mm	Shoulder diameter inner ring
d ₂	70,45 mm	Caliber diameter inner ring

Temperature range

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

Calculation factors

e	0,24	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y ₁	2,65	Dynamic axial load factor
Y ₂	4,1	Dynamic axial load factor
Y ₀	2,78	Static axial load factor

Właściwości

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