



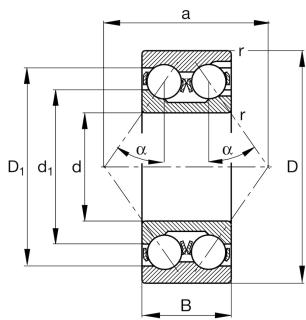
FAG

3316-C3

Angular contact ball bearing

Angular contact ball bearing 33, double row,
with filling slot, steel sheet metal cage

Informacje techniczne



Twoja aktualna wersja produktu

Design variant	FN	Bearing with filling slot
Sealing	Without	Not sealed
Cage	J	Steel sheet metal
Tolerance class	PN	Normal (ISO 492:2023)
Dimensional / heat stabilization	S0	Rings dimensional stabilized up to 150°
Lubricant	Without	Bearing not greased
Axial internal clearance	C3	Group 3 (C3), bigger than CN

Main Dimensions & Performance Data

d	80 mm	Bore diameter
D	170 mm	Outside diameter
B	68,3 mm	Width
C _r	176.000 N	Basic dynamic load rating, radial
C _{0r}	226.000 N	Basic static load rating, radial
C _{ur}	10.600 N	Fatigue load limit, radial
n _G	4.150 1/min	Limiting speed
n _{gr}	3.900 1/min	Reference speed
≈m	6,788 kg	Masa



Mounting dimensions

d a min	92 mm	Minimum diameter shaft shoulder
D a max	158 mm	Maximum diameter of housing shoulder
r a max	2,1 mm	Maximum fillet radius

Dimensions

r min	2,1 mm	Minimum chamfer dimension
D 1	149,72 mm	Shoulder diameter outer ring
d 1	111,8 mm	Shoulder diameter inner ring
a	122,5 mm	Distance between the apexes of the pressure cones
α	35 °	Contact angle

Temperature range

T min	-30 °C	Operating temperature min.
T max	150 °C	Operating temperature max.

Właściwości

	Obciążenie promieniowe
	Obciążenie osiowe jednokierunkowe
	Obciążenie osiowe dwukierunkowe
	Smarowanie smarem
	Smarowanie olejem
	Bez uszczelnienia