



FAG



X-life

3316-BD-XL-2HRS-TVH

Angular contact ball bearing

Angular contact ball bearing 33..-BD-XL-2HRS-TVH, double row, X-life, seals, plastic cage

Informacje techniczne



Twoja aktualna wersja produktu

Design variant	B	Bearing without filling slot
Changed internal design	D	D
Sealing	2HRS	Contact seal on both sides
Cage	TVH	Solid cage made of glass-fiber reinforced polyamide PA66
Tolerance class	P6	Class 6 (ISO 492:2023)
Dimensional / heat stabilization	S0	Rings dimensional stabilized up to 150°
Lubricant	GA13	Ball bearing and insert bearing grease
Axial internal clearance	CN	Group N (CN)

Main Dimensions & Performance Data

d	80 mm	Bore diameter
D	170 mm	Outside diameter
B	68,3 mm	Width
C _r	199.000 N	Basic dynamic load rating, radial
C _{0r}	180.000 N	Basic static load rating, radial
C _{ur}	11.100 N	Fatigue load limit, radial
n _G	2.950 1/min	Limiting speed
≈m	6,24 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	148,04 mm	Shoulder diameter outer ring
D 2	151,89 mm	Caliber diameter outer ring
d 1	116,67 mm	Shoulder diameter inner ring
d 2	114 mm	Caliber diamter inner ring
a	100,8 mm	Distance between the apexes of the pressure cones
α	30 °	Contact angle

Temperature range

T min	-30 °C	Operating temperature min.
T max	100 °C	Operating temperature max.

Właściwości

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