



FAG



X-life

3203-BD-XL-TVH

Angular contact ball bearing

Angular contact ball bearing 32...-BD-XL-TVH,
double row, X-life, plastic cage

Informacje techniczne



Twoja aktualna wersja produktu

Design variant	B	Bearing without filling slot
Changed internal design	D	D
Sealing	Without	Not sealed
Cage	TVH	Solid cage made of glass-fiber reinforced polyamide PA66
Tolerance class	P6	Class 6 (ISO 492:2023)
Dimensional / heat stabilization	SN	Rings dimensional stabilized up to 120°
Lubricant	Without	Bearing not greased
Axial internal clearance	CN	Group N (CN)

Main Dimensions & Performance Data

d	17 mm	Bore diameter
D	40 mm	Outside diameter
B	17,5 mm	Width
C _r	15.500 N	Basic dynamic load rating, radial
C _{0r}	9.500 N	Basic static load rating, radial
C _{ur}	660 N	Fatigue load limit, radial
n _G	19.400 1/min	Limiting speed
n _{gr}	16.600 1/min	Reference speed
m	0,09 kg	Masa



Mounting dimensions

d _{a min}	21,2 mm	Minimum diameter shaft shoulder
D _{a max}	35,8 mm	Maximum diameter of housing shoulder
r _{a max}	0,6 mm	Maximum fillet radius

Dimensions

r _{min}	0,6 mm	Minimum chamfer dimension
D ₁	33,94 mm	Shoulder diameter outer ring
D ₂	36,09 mm	Caliber diameter outer ring
d ₁	25,8 mm	Shoulder diameter inner ring
d ₂	24,43 mm	Caliber diamter inner ring
a	23,5 mm	Distance between the apexes of the pressure cones
α	30 °	Contact angle

Temperature range

T _{min}	-30 °C	Operating temperature min.
T _{max}	120 °C	Operating temperature max.

Właściwości

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