



FAG



X-life

3203-BD-XL-2Z-TVH

Angular contact ball bearing

Angular contact ball bearing 32...BD-XL-2Z-TVH, double row, X-life, shields, plastic cage

Informacje techniczne



Twoja aktualna wersja produktu

Design variant	B	Bearing without filling slot
Changed internal design	D	D
Sealing	2Z	Non-contact shield 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	SN	Rings dimensional stabilized up to 120°
Lubricant	GA13	Ball bearing and insert bearing grease
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	14.600 1/min	Limiting speed
n _{gr}	16.600 1/min	Reference speed
m	0,094 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

$T_{\min}$	-20 °C	Operating temperature min.
$T_{\max}$	120 °C	Operating temperature max.

Właściwości

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