



FAG



X-life

3209-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	45 mm	Bore diameter
D	85 mm	Outside diameter
B	30,2 mm	Width
C _r	50.000 N	Basic dynamic load rating, radial
C _{0r}	39.000 N	Basic static load rating, radial
C _{ur}	2.700 N	Fatigue load limit, radial
n _G	6.300 1/min	Limiting speed
n _{gr}	8.400 1/min	Reference speed
m	0,616 kg	Masa



Mounting dimensions

$d_{a\ min}$	52 mm	Minimum diameter shaft shoulder
$D_{a\ max}$	78 mm	Maximum diameter of housing shoulder
$r_{a\ max}$	1 mm	Maximum fillet radius

Dimensions

$r_{\min}$	1,1 mm	Minimum chamfer dimension
D_1	75,1 mm	Shoulder diameter outer ring
D_2	78,09 mm	Caliber diameter outer ring
d_1	59,9 mm	Shoulder diameter inner ring
d_2	57,73 mm	Caliber diamter inner ring
a	50,3 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