



FAG



X-life

3209-BD-XL-2Z-C3

Angular contact ball bearing

Angular contact ball bearing 32...BD-XL-2Z, double row, X-life, shields, steel sheet metal 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	JH	Steel sheet metal
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	C3	Group 3 (C3), bigger than 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	0,639 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
	L _h Smarowanie dożywotnie, bezobsługowe
	Smarowanie smarem
	Uszczelnienie dwustronne