



FAG



X-life

3309-BD-XL-2Z-C3

Angular contact ball bearing

Angular contact ball bearing 33...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	S0	Rings dimensional stabilized up to 150°
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	100 mm	Outside diameter
B	39,7 mm	Width
C _r	72.000 N	Basic dynamic load rating, radial
C _{0r}	54.000 N	Basic static load rating, radial
C _{ur}	3.700 N	Fatigue load limit, radial
n _G	5.500 1/min	Limiting speed
n _{gr}	6.700 1/min	Reference speed
≈m	1,36 kg	Masa



Mounting dimensions

$d_{a\ min}$	54 mm	Minimum diameter shaft shoulder
$D_{a\ max}$	91 mm	Maximum diameter of housing shoulder
$r_{a\ max}$	1,5 mm	Maximum fillet radius

Dimensions

$r_{\ min}$	1,5 mm	Minimum chamfer dimension
$D_{\ 1}$	84,39 mm	Shoulder diameter outer ring
$D_{\ 2}$	87,32 mm	Caliber diameter outer ring
$d_{\ 1}$	65,45 mm	Shoulder diameter inner ring
$d_{\ 2}$	63,25 mm	Caliber diamter inner ring
a	57,8 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