



FAG



3209-BD-XL-2HRS-C3

Angular contact ball bearing

Angular contact ball bearing 32..-BD-XL-2HRS, double row, X-life, seals, steel sheet metal cage

X-life

Informacje techniczne



Twoja aktualna wersja produktu

Design variant	B	Bearing without filling slot
Changed internal design	D	D
Sealing	2HRS	Contact seal 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
≈m	0,644 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

$T_{\min}$	-30 °C	Operating temperature min.
$T_{\max}$	100 °C	Operating temperature max.

Właściwości

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