



FAG



3210-BD-XL-C3

Angular contact ball bearing

Angular contact ball bearing 32...BD-XL,
double row, X-life, 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	Without	Not sealed
Cage	JH	Steel sheet metal
Tolerance class	P6	Class 6 (ISO 492:2023)
Dimensional / heat stabilization	SN	Rings dimensional stabilized up to 120°
Lubricant	Without	Bearing not greased
Axial internal clearance	C3	Group 3 (C3), bigger than CN

Main Dimensions & Performance Data

d	50 mm	Bore diameter
D	90 mm	Outside diameter
B	30,2 mm	Width
C _r	53.000 N	Basic dynamic load rating, radial
C _{0r}	44.000 N	Basic static load rating, radial
C _{ur}	3.050 N	Fatigue load limit, radial
n _G	7.800 1/min	Limiting speed
n _{gr}	7.600 1/min	Reference speed
≈m	0,681 kg	Masa



Mounting dimensions

$d_{a \min}$	57 mm	Minimum diameter shaft shoulder
$D_{a \max}$	83 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	80,1 mm	Shoulder diameter outer ring
D_2	82,91 mm	Caliber diameter outer ring
d_1	64,9 mm	Shoulder diameter inner ring
d_2	62,83 mm	Caliber diameter inner ring
a	53,2 mm	Distance between the apexes of the pressure cones
α	30 °	Contact angle

Temperature range

$T_{\min}$	-30 °C	Operating temperature min.
$T_{\max}$	120 °C	Operating temperature max.

Właściwości



Obciążenie promieniowe



Obciążenie osiowe jednokierunkowe



Obciążenie osiowe dwukierunkowe



Smarowanie smarem



Smarowanie olejem



Bez uszczelnienia