



FAG



X-life

3307-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	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	35 mm	Bore diameter
D	80 mm	Outside diameter
B	34,9 mm	Width
C _r	55.000 N	Basic dynamic load rating, radial
C _{0r}	36.500 N	Basic static load rating, radial
C _{ur}	2.550 N	Fatigue load limit, radial
n _G	6.800 1/min	Limiting speed
n _{gr}	8.100 1/min	Reference speed
≈m	0,73 kg	Masa



Mounting dimensions

$d_{a\ min}$	44 mm	Minimum diameter shaft shoulder
$D_{a\ max}$	71 mm	Maximum diameter of housing shoulder
$r_{a\ max}$	1,5 mm	Maximum fillet radius

Dimensions

$r_{\ min}$	1,5 mm	Minimum chamfer dimension
$D_{\ 1}$	68,92 mm	Shoulder diameter outer ring
$D_{\ 2}$	71,91 mm	Caliber diameter outer ring
$d_{\ 1}$	51,8 mm	Shoulder diameter inner ring
$d_{\ 2}$	49,63 mm	Caliber diamter inner ring
a	48 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 dożywotnie, bezobsługowe
	Smarowanie smarem
	Uszczelnienie dwustronne