



FAG



X-life

3311-BD-XL

Angular contact ball bearing

Angular contact ball bearing 33..-BD-XL,
double row, X-life, steel sheet metal cage

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	S0	Rings dimensional stabilized up to 150°
Lubricant	Without	Bearing not greased
Axial internal clearance	CN	Group N (CN)

Main Dimensions & Performance Data

d	55 mm	Bore diameter
D	120 mm	Outside diameter
B	49,2 mm	Width
C _r	116.000 N	Basic dynamic load rating, radial
C _{0r}	88.000 N	Basic static load rating, radial
C _{ur}	6.100 N	Fatigue load limit, radial
n _G	5.800 1/min	Limiting speed
n _{gr}	5.900 1/min	Reference speed
≈m	2,31 kg	Masa



Mounting dimensions

d _{a min}	66 mm	Minimum diameter shaft shoulder
D _{a max}	109 mm	Maximum diameter of housing shoulder
r _{a max}	2 mm	Maximum fillet radius

Dimensions

r _{min}	2 mm	Minimum chamfer dimension
D ₁	103,3 mm	Shoulder diameter outer ring
D ₂	106,78 mm	Caliber diameter outer ring
d ₁	78,77 mm	Shoulder diameter inner ring
d ₂	76,35 mm	Caliber diamter inner ring
a	71,4 mm	Distance between the apexes of the pressure cones
α	30 °	Contact angle

Temperature range

T _{min}	-30 °C	Operating temperature min.
T _{max}	150 °C	Operating temperature max.

Właściwości

	Obciążenie promieniowe
	Obciążenie osiowe jednokierunkowe
	Obciążenie osiowe dwukierunkowe
	Smarowanie smarem
	Smarowanie olejem
	Bez uszczelnienia