



FAG



X-life

7209-B-XL-JP

Angular contact ball bearing

Angular contact ball bearing 72..-B-XL-JP,
single row, X-life, steel sheet metal cage

Informacje techniczne

Twoja aktualna wersja produktu

Design variant	B	B
Sealing	Without	Not sealed
Cage	JP	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

Main Dimensions & Performance Data

d	45 mm	Bore diameter
D	85 mm	Outside diameter
B	19 mm	Width
C _r	40.000 N	Basic dynamic load rating, radial
C _{0r}	27.000 N	Basic static load rating, radial
C _{ur}	1.870 N	Fatigue load limit, radial
n _G	11.000 1/min	Limiting speed
n _{gr}	8.000 1/min	Reference speed
≈m	0,428 kg	Masa



Mounting dimensions

d a min	52 mm	Minimum diameter of shaft shoulder
D a max	78 mm	Maximum diameter of housing shoulder
D b max	80,8 mm	Maximum diameter of housing shoulder
r a max	1 mm	Maximum fillet radius of shaft
r a1 max	0,6 mm	Maximum fillet radius of housing

Dimensions

r min	1,1 mm	Minimum chamfer dimension
r 1 min	0,6 mm	Minimum chamfer dimension
D 1	69,78 mm	Shoulder diameter on outer ring wide side face
d 1	61,19 mm	Shoulder diameter on inner ring wide side face
a	36,8 mm	Distance between the apexes of the pressure cones
α	40 °	Contact angle

Temperature range

T min	-30 °C	Operating temperature min.
T max	150 °C	Operating temperature max.

Właściwości

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