



FAG

7307-B-XL-TVP-UL

Angular contact ball bearing

Angular contact ball bearing 73..-B-XL-TVP,
single row, X-life, plastic cage

X-life

Informacje techniczne



Twoja aktualna wersja produktu

Design variant	B	B
Sealing	Without	Not sealed
Cage	TVP	Solid cage made of glass-fiber reinforced polyamid PA66
Tolerance class	P6	Class 6 (ISO 492:2023)
Dimensional / heat stabilization	S0	Rings dimensional stabilized up to 150°
Bearing with matched conditions for fitting in pairs	UL	Bearing set with light preload
Lubricant	Without	Bearing not greased

Main Dimensions & Performance Data

d	35 mm	Bore diameter
D	80 mm	Outside diameter
B	21 mm	Width
C _r	45.500 N	Basic dynamic load rating, radial
C _{0r}	27.500 N	Basic static load rating, radial
C _{ur}	1.910 N	Fatigue load limit, radial
n _G	11.900 1/min	Limiting speed
n _{gr}	7.900 1/min	Reference speed
≈m	0,446 kg	Masa



Mounting dimensions

d _{a min}	44 mm	Minimum diameter of shaft shoulder
D _{a max}	71 mm	Maximum diameter of housing shoulder
D _{b max}	74,4 mm	Maximum diameter of housing shoulder
r _{a max}	1,5 mm	Maximum fillet radius of shaft
r _{a1 max}	1 mm	Maximum fillet radius of housing

Dimensions

r _{min}	1,5 mm	Minimum chamfer dimension
r _{1 min}	1 mm	Minimum chamfer dimension
D ₁	63,02 mm	Shoulder diameter on outer ring wide side face
d ₁	53,12 mm	Shoulder diameter on inner ring wide side face
a	34,6 mm	Distance between the apexes of the pressure cones
α	40 °	Contact angle

Temperature range

T _{min}	-30 °C	Operating temperature min.
T _{max}	120 °C	Operating temperature max.

Additional information

V _{max}	-8 μm	Preload per set max.
Tol (+)	8 μm	Tolerance for axial clearance or preload per set

F _{V max}	300 N	Preload force
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Właściwości



Obciążenie promieniowe



Obciążenie osiowe jednokierunkowe



Smarowanie smarem



Smarowanie olejem



Bez uszczelnienia