

FAG

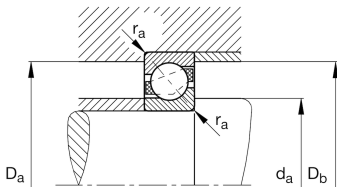
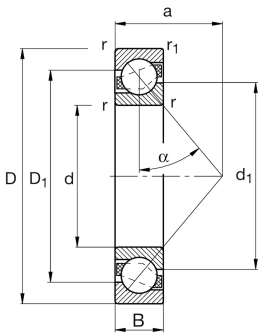
7309-B-XL-TVP-P5-UL

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
Type of Seal	Without	Not sealed
Cage	TVP	Solid cage made of glass-fiber reinforced polyamid PA66
Tolerance class	P5	Class 5 (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	45 mm	Bore diameter
D	100 mm	Outside diameter
B	25 mm	Width
C _r	69.000 N	Basic dynamic load rating, radial
C _{0r}	43.000 N	Basic static load rating, radial
C _{ur}	3.000 N	Fatigue load limit, radial
n _G	9.300 1/min	Limiting speed
n _{gr}	6.500 1/min	Reference speed
≈m	0,829 kg	Masa



Mounting dimensions

d a min	54 mm	Minimum diameter of shaft shoulder
D a max	91 mm	Maximum diameter of housing shoulder
D b max	94,4 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	79,8 mm	Shoulder diameter on outer ring wide side face
d 1	66,7 mm	Shoulder diameter on inner ring wide side face
a	42,9 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 (+)	6 μm	Tolerance for axial clearance or preload per set
F V max	462 N	Preload force



Właściwości



Obciążenie promieniowe



Obciążenie osiowe jednokierunkowe



Smarowanie smarem



Smarowanie olejem



Bez uszczelnienia