



FAG

7008-B-XL-2RS-TVP-UL

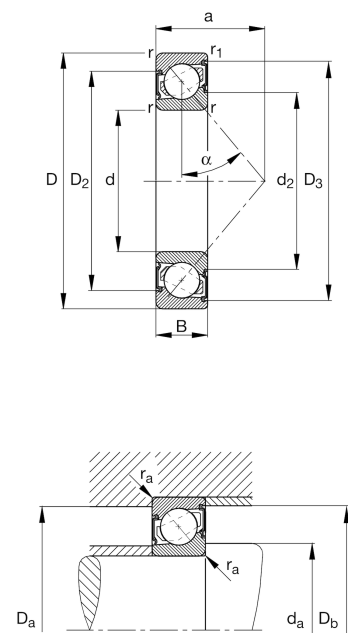
Angular contact ball bearing

Angular contact ball bearing 70..-B-XL-2RS-TVP, single row, X-life, seals, plastic cage



X-life

Informacje techniczne



Twoja aktualna wersja produktu

Design variant	B	B
Type of Seal	2RS	Contact seal on both sides
Cage	TVP	Solid cage made of glass-fiber reinforced polyamid PA66
Tolerance class	PN	Normal (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	GA13	Ball bearing and insert bearing grease

Main Dimensions & Performance Data

d	40 mm	Bore diameter
D	68 mm	Outside diameter
B	15 mm	Width
C _r	28.000 N	Basic dynamic load rating, radial
C _{0r}	20.300 N	Basic static load rating, radial
C _{ur}	1.410 N	Fatigue load limit, radial
n _G	5.400 1/min	Limiting speed
≈m	170 g	Masa



Mounting dimensions

d _{a min}	44,6 mm	Minimum diameter of shaft shoulder
D _{a max}	63,4 mm	Maximum diameter of housing shoulder
D _{b max}	64,8 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 mm	Minimum chamfer dimension
r _{1 min}	0,6 mm	Minimum chamfer dimension
D ₁	58,76 mm	Shoulder diameter on outer ring wide side face
D ₂	59,39 mm	Caliber diameter on outer ring wide side face
D ₃	64,95 mm	Caliber diameter on outer ring small side face
d ₁	51,87 mm	Shoulder diameter on inner ring wide side face
d ₂	48,33 mm	Caliber diameter on inner ring wide side face
a	30,5 mm	Distance between the apexes of the pressure cones
α	40 °	Contact angle

Temperature range

T _{min}	-20 °C	Operating temperature min.
T _{max}	100 °C	Operating temperature max.

Additional information

V _{max}	-6 μm	Preload per set max.
Tol (+)	8 μm	Tolerance for axial clearance or preload per set

F _{V max}	200 N	Preload force
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Właściwości



Obciążenie promieniowe



Obciążenie osiowe jednokierunkowe



Smarowanie dożywotnie, bezobsługowe



Smarowanie smarem



Uszczelnienie dwustronne