



FAG

7214-B-XL-2RS-TVP-UL

Angular contact ball bearing

Angular contact ball bearing 72..-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	70 mm	Bore diameter
D	125 mm	Outside diameter
B	24 mm	Width
C _r	74.000 N	Basic dynamic load rating, radial
C _{0r}	62.000 N	Basic static load rating, radial
C _{ur}	4.300 N	Fatigue load limit, radial
n _G	3.000 1/min	Limiting speed
≈m	1,081 kg	Masa



Mounting dimensions

d a min	79 mm	Minimum diameter of shaft shoulder
D a max	116 mm	Maximum diameter of housing shoulder
D b max	119,4 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	104,04 mm	Shoulder diameter on outer ring wide side face
D 2	107,56 mm	Caliber diameter on outer ring wide side face
D 3	117,9 mm	Caliber diameter on outer ring small side face
d 1	92,32 mm	Shoulder diameter on inner ring wide side face
d 2	87,26 mm	Caliber diameter on inner ring wide side face
a	52,9 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	-8 μm	Preload per set max.
Tol (+)	12 μm	Tolerance for axial clearance or preload per set
F V max	535 N	Preload force



Właściwości



Obciążenie promieniowe



Obciążenie osiowe jednokierunkowe



Smarowanie dożywotnie, bezobsługowe



Smarowanie smarem



Uszczelnienie dwustronne