



FAG

7212-B-XL-2RS-TVP-UH

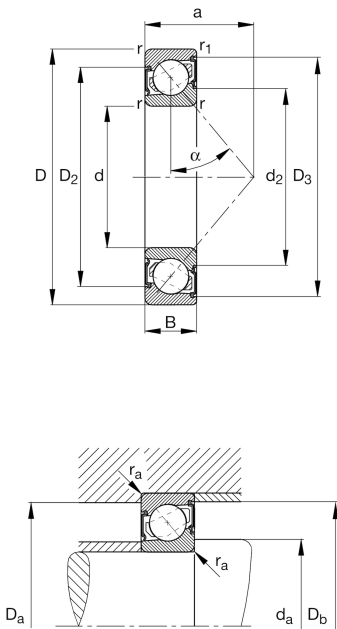
Angular contact ball bearing

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
Sealing	2RS	Contact seal on both sides
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	UH	Bearing set with high preload
Lubricant	GA13	Ball bearing and insert bearing grease

Main Dimensions & Performance Data

d	60 mm	Bore diameter
D	110 mm	Outside diameter
B	22 mm	Width
C _r	62.000 N	Basic dynamic load rating, radial
C _{0r}	45.000 N	Basic static load rating, radial
C _{ur}	3.150 N	Fatigue load limit, radial
n _G	3.450 1/min	Limiting speed
≈m	0,801 kg	Masa



Mounting dimensions

d _{a min}	69 mm	Minimum diameter of shaft shoulder
D _{a max}	101 mm	Maximum diameter of housing shoulder
D _{b max}	104,4 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	90,84 mm	Shoulder diameter on outer ring wide side face
D ₂	94,36 mm	Caliber diameter on outer ring wide side face
D ₃	103,42 mm	Caliber diameter on outer ring small side face
d ₁	80,32 mm	Shoulder diameter on inner ring wide side face
d ₂	75,26 mm	Caliber diameter on inner ring wide side face
a	46,7 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}	-24 μm	Preload per set max.
Tol (+)	12 μm	Tolerance for axial clearance or preload per set
F _{V max}	2.586 N	Preload force



Właściwości



Obciążenie promieniowe



Obciążenie osiowe jednokierunkowe



Smarowanie dożywotnie, bezobsługowe



Smarowanie smarem



Uszczelnienie dwustronne