



FAG

7201-B-XL-2RS-TVP-UO

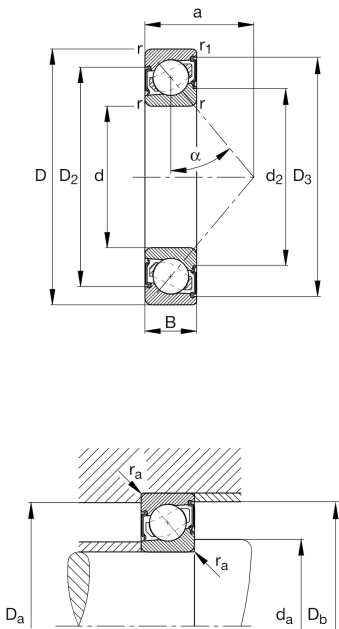
Angular contact ball bearing

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	P6	Class 6 (ISO 492:2023)
Dimensional / heat stabilization	S0	Rings dimensional stabilized up to 150°
Bearing with matched conditions for fitting in pairs	UO	Bearing set clearance-free in O or X arrangement
Lubricant	GA14	Ball bearing grease, low noise

Main Dimensions & Performance Data

d	12 mm	Bore diameter
D	32 mm	Outside diameter
B	10 mm	Width
C _r	7.900 N	Basic dynamic load rating, radial
C _{0r}	3.550 N	Basic static load rating, radial
C _{ur}	248 N	Fatigue load limit, radial
n _G	14.800 1/min	Limiting speed
m	0,036 kg	Masa



Mounting dimensions

d _{a min}	16,2 mm	Minimum diameter of shaft shoulder
D _{a max}	27,8 mm	Maximum diameter of housing shoulder
D _{b max}	29,6 mm	Maximum diameter of housing shoulder
r _{a max}	0,6 mm	Maximum fillet radius of shaft
r _{a1 max}	0,3 mm	Maximum fillet radius of housing

Dimensions

r _{min}	0,6 mm	Minimum chamfer dimension
r _{1 min}	0,3 mm	Minimum chamfer dimension
D ₁	24,63 mm	Shoulder diameter on outer ring wide side face
D ₂	25,89 mm	Caliber diameter on outer ring wide side face
D ₃	28,79 mm	Caliber diameter on outer ring small side face
d ₁	19,76 mm	Shoulder diameter on inner ring wide side face
d ₂	17,02 mm	Caliber diameter on inner ring wide side face
a	14,2 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

Tol (+)	8 μm	Tolerance for axial clearance or preload per set
A _{min}	0 mm	Axial clearance per set min.



Właściwości



Obciążenie promieniowe



Obciążenie osiowe jednokierunkowe



Smarowanie dożywotnie, bezobsługowe



Smarowanie smarem



Uszczelnienie dwustronne