



FAG

7201-B-XL-2RS-TVP-P5-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	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	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

V max	-4 μm	Preload per set max.
Tol (+)	6 μm	Tolerance for axial clearance or preload per set
F V max	53 N	Preload force



Właściwości

-  Obciążenie promieniowe
-  Obciążenie osiowe jednokierunkowe
-  Smarowanie dożywotnie, bezobsługowe
-  Smarowanie smarem
-  Uszczelnienie dwustronne