



FAG



7204-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	20 mm	Bore diameter
D	47 mm	Outside diameter
B	14 mm	Width
C _r	14.900 N	Basic dynamic load rating, radial
C _{0r}	7.800 N	Basic static load rating, radial
C _{ur}	540 N	Fatigue load limit, radial
n _G	9.500 1/min	Limiting speed
≈m	0,11 kg	Masa



Mounting dimensions

d _{a min}	25,6 mm	Minimum diameter of shaft shoulder
D _{a max}	41,4 mm	Maximum diameter of housing shoulder
D _{b max}	42,8 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	37,04 mm	Shoulder diameter on outer ring wide side face
D ₂	39,18 mm	Caliber diameter on outer ring wide side face
D ₃	43,04 mm	Caliber diameter on outer ring small side face
d ₁	30,54 mm	Shoulder diameter on inner ring wide side face
d ₂	26,83 mm	Caliber diameter on inner ring wide side face
a	21,1 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