



FAG

7201-B-XL-TVP-UO

Angular contact ball bearing

Angular contact ball bearing 72...-B-XL-TVP,
single row, X-life, plastic cage

X-life

Informacje techniczne



Twoja aktualna wersja produktu

Design variant	B	B
Sealing	Without	Not sealed
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	Without	Bearing not greased

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	33.000 1/min	Limiting speed
n _{gr}	21.100 1/min	Reference speed
≈m	0,035 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_1	19,76 mm	Shoulder 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

$T_{\ min}$	-30 °C	Operating temperature min.
$T_{\ max}$	120 °C	Operating temperature max.

Additional information

$Tol\ (+)$	8 μm	Tolerance for axial clearance or preload per set
$A_{\ min}$	0 μm	Axial clearance per set min.

Właściwości

	Obciążenie promieniowe
	Obciążenie osiowe jednokierunkowe
	Smarowanie smarem
	Smarowanie olejem
	Bez uszczelnienia