





FAG

7214-B-XL-TVP-P5-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	P5	Class 5 (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	70 mm	Bore diameter
D	125 mm	Outside diameter
B	24 mm	Width
C _r	74.000 N	Basic dynamic load rating, radial
C _{0r}	62.000 N	Basic static load rating, radial
C _{ur}	4.300 N	Fatigue load limit, radial
n _G	7.200 1/min	Limiting speed
n _{gr}	5.400 1/min	Reference speed
≈m	1,08 kg	Masa



Mounting dimensions

$d_{a\ min}$	79 mm	Minimum diameter of shaft shoulder
$D_{a\ max}$	116 mm	Maximum diameter of housing shoulder
$D_{b\ max}$	119,4 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	104,04 mm	Shoulder diameter on outer ring wide side face
d_1	92,32 mm	Shoulder diameter on inner ring wide side face
a	52,9 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 (+)	10 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