





FAG

7301-B-XL-TVP-UA 

Angular contact ball bearing

Angular contact ball bearing 73..-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	UA	Bearing set with small axial internal clearance
Lubricant	Without	Bearing not greased

Main Dimensions & Performance Data

d	12 mm	Bore diameter
D	37 mm	Outside diameter
B	12 mm	Width
C _r	12.200 N	Basic dynamic load rating, radial
C _{0r}	5.300 N	Basic static load rating, radial
C _{ur}	365 N	Fatigue load limit, radial
n _G	28.000 1/min	Limiting speed
n _{gr}	16.300 1/min	Reference speed
≈m	0,06 kg	Masa



Mounting dimensions

$d_{a\min}$	17,6 mm	Minimum diameter of shaft shoulder
$D_{a\max}$	31,4 mm	Maximum diameter of housing shoulder
$D_{b\max}$	32,8 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	27,23 mm	Shoulder diameter on outer ring wide side face
d_1	22,29 mm	Shoulder diameter on inner ring wide side face
a	16,3 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
$A_{\min}$	24 mm	Axial clearance per set min.

Właściwości

-  Obciążenie promieniowe
-  Obciążenie osiowe jednokierunkowe
-  Smarowanie smarem
-  Smarowanie olejem
-  Bez uszczelnienia