





FAG

7006-B-XL-TVP [↗](#)

Angular contact ball bearing

Angular contact ball bearing 70..-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	PN	Normal (ISO 492:2023)
Dimensional / heat stabilization	S0	Rings dimensional stabilized up to 150°
Lubricant	Without	Bearing not greased

Main Dimensions & Performance Data

d	30 mm	Bore diameter
D	55 mm	Outside diameter
B	13 mm	Width
C _r	19.900 N	Basic dynamic load rating, radial
C _{0r}	13.400 N	Basic static load rating, radial
C _{ur}	930 N	Fatigue load limit, radial
n _G	16.800 1/min	Limiting speed
n _{gr}	10.200 1/min	Reference speed
≈m	0,106 kg	Masa



Mounting dimensions

d a min	34,6 mm	Minimum diameter of shaft shoulder
D a max	50,4 mm	Maximum diameter of housing shoulder
D b max	51,8 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	47,05 mm	Shoulder diameter on outer ring wide side face
D 2	47,7 mm	Caliber diameter on outer ring wide side face
D 3	51,93 mm	Caliber diameter on outer ring small side face
d 1	41,26 mm	Shoulder diameter on inner ring wide side face
d 2	38,04 mm	Caliber diameter on inner ring wide side face
a	24,9 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.

Właściwości

	Obciążenie promieniowe
	Obciążenie osiowe jednokierunkowe
	Smarowanie smarem
	Smarowanie olejem
	Bez uszczelnienia