



FAG



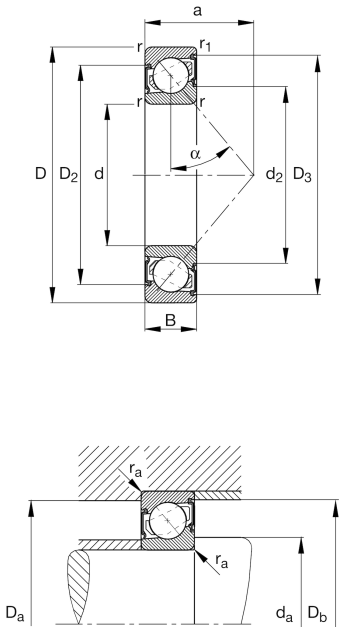
X-life

7007-B-XL-2RS-TVP-P5-UO

Angular contact ball bearing

Angular contact ball bearing 70..-B-XL-2RS-TVP, single row, X-life, seals, plastic cage

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	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	GA14	Ball bearing grease, low noise

Main Dimensions & Performance Data

d	35 mm	Bore diameter
D	62 mm	Outside diameter
B	14 mm	Width
C _r	24.300 N	Basic dynamic load rating, radial
C _{0r}	17.200 N	Basic static load rating, radial
C _{ur}	1.200 N	Fatigue load limit, radial
n _G	6.000 1/min	Limiting speed
≈m	0,14 kg	Masa



Mounting dimensions

d a min	39,6 mm	Minimum diameter of shaft shoulder
D a max	57,4 mm	Maximum diameter of housing shoulder
D b max	58,8 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	53,36 mm	Shoulder diameter on outer ring wide side face
D 2	54 mm	Caliber diameter on outer ring wide side face
D 3	58,94 mm	Caliber diameter on outer ring small side face
d 1	47,02 mm	Shoulder diameter on inner ring wide side face
d 2	43,64 mm	Caliber diameter on inner ring wide side face
a	27,9 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 (+)	6 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