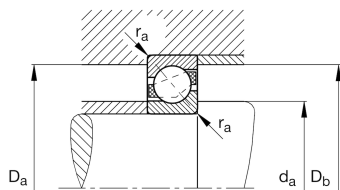
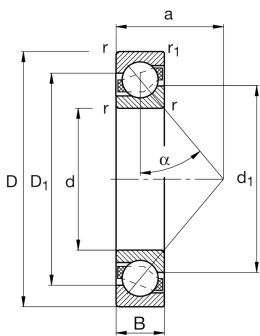
**FAG****X-life****7004-B-XL-TVP** [🔗](#)

Angular contact ball bearing

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

Technical information



Your current product variant

Design variant	B	B
Type of Seal	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	20 mm	Bore diameter
D	42 mm	Outside diameter
B	12 mm	Width
C _r	14.500 N	Basic dynamic load rating, radial
C _{0r}	8.000 N	Basic static load rating, radial
C _{ur}	560 N	Fatigue load limit, radial
n _G	22.600 1/min	Limiting speed
n _{gr}	14.400 1/min	Reference speed
≈m	60 g	Weight



Mounting dimensions

d a min	23,2 mm	Minimum diameter of shaft shoulder
D a max	38,8 mm	Maximum diameter of housing shoulder
D b max	40 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	34,82 mm	Shoulder diameter on outer ring wide side face
D 2	35,5 mm	Caliber diameter on outer ring wide side face
D 3	39,8 mm	Caliber diameter on outer ring small side face
d 1	28,94 mm	Shoulder diameter on inner ring wide side face
d 2	26,52 mm	Caliber diameter on inner ring wide side face
a	19,4 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.

Characteristics

	Radial load
	Axial load in one direction
	Grease Lubrication
	Oil Lubrication
	Not sealed