



FAG

**7306-B-XL-TVP** [↗](#)

Angular contact ball bearing

Angular contact ball bearing 73..-B-XL-TVP,  
single row, X-life, plastic cage

X-life

## Technical information



## Your current product variant

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°
Lubricant	Without	Bearing not greased

## Main Dimensions &amp; Performance Data

d	30 mm	Bore diameter
D	72 mm	Outside diameter
B	19 mm	Width
C <sub>r</sub>	37,500 N	Basic dynamic load rating, radial
C <sub>0r</sub>	22,100 N	Basic static load rating, radial
C <sub>ur</sub>	1,530 N	Fatigue load limit, radial
n <sub>G</sub>	13,500 1/min	Limiting speed
n <sub>gr</sub>	8,600 1/min	Reference speed
≈m	0.342 kg	Weight



### Mounting dimensions

$d_{a \min}$	37 mm	Minimum diameter of shaft shoulder
$D_{a \max}$	65 mm	Maximum diameter of housing shoulder
$D_{b \max}$	67.8 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

$r_{\min}$	1.1 mm	Minimum chamfer dimension
$r_{1 \min}$	0.6 mm	Minimum chamfer dimension
$D_1$	55.9 mm	Shoulder diameter on outer ring wide side face
$d_1$	47.12 mm	Shoulder diameter on inner ring wide side face
$a$	30.9 mm	Distance between the apexes of the pressure cones
$\alpha$	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