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17.06.2026, 07:24:34 UTC

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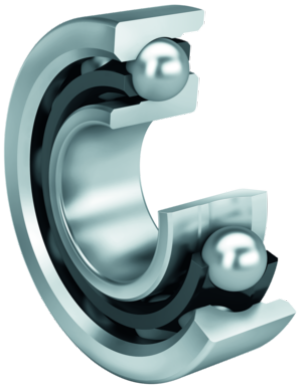


FAG

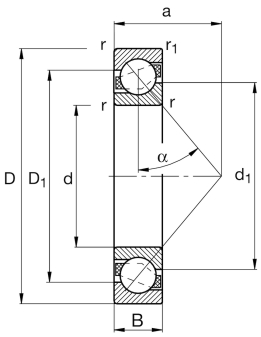
X-life

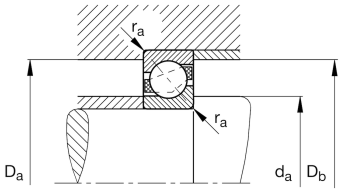
7215-B-XL-TVP-UO

Angular contact ball bearing

Angular contact ball bearing 72..-B-XL-TVP,
single row, X-life, plastic cage

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	PN	Normal (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	Without	Bearing not greased

Main Dimensions & Performance Data

d	75 mm	Bore diameter
D	130 mm	Outside diameter
B	25 mm	Width
C_r	73,000 N	Basic dynamic load rating, radial
C_{0r}	62,000 N	Basic static load rating, radial
C_{ur}	4,250 N	Fatigue load limit, radial
n_G	6,900 1/min	Limiting speed
$n_{\vartheta r}$	5,300 1/min	Reference speed
≈m	1.17 kg	Weight

The data sheet only contains an overview of the technical data of the selected product. Please refer to the additional documentation for this product. For further information, please use the following link on our website: Contact form

Mounting dimensions

$d_{a\ min}$	84 mm	Minimum diameter of shaft shoulder
$D_{a\ max}$	121 mm	Maximum diameter of housing shoulder
$D_{b\ max}$	124.4 mm	Maximum diameter of housing shoulder
$r_{a\ max}$	1.5 mm	Maximum fillet radius of shaft
$r_{a1\ max}$	1 mm	Maximum fillet radius of housing

Dimensions

r_{min}	1.5 mm	Minimum chamfer dimension
$r_{1\ min}$	1 mm	Minimum chamfer dimension
D_1	109.2 mm	Shoulder diameter on outer ring wide side face
d_1	96.5 mm	Shoulder diameter on inner ring wide side face
a	55.5 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

A_{min}	0 µm	Axial clearance per set min.
$Tol_{(+)}$	12 µm	Tolerance for axial clearance or preload per set

Characteristics

Radial load

Axial load in one direction

Grease Lubrication

Oil Lubrication

Not sealed

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