FAG

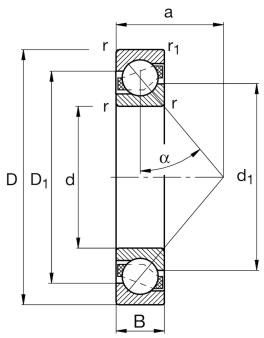
7207-B-XL-MP-UA

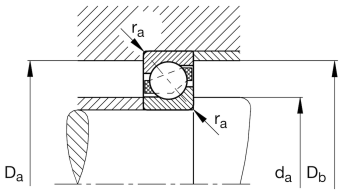
Angular contact ball bearing

Angular contact ball bearing 72..-B-XL-MP, single row, X-life, solid brass cage

X-life

Technical information





Your current product variant

Design variant	B	B
Sealing	Without	Not sealed
Cage	MP	Solid brass cage, ball guided
Tolerance class	P6	Class 6 (ISO 492:2023)
Dimensional / heat stabilization	S0	Rings dimensional stabilized up to 150°
Bearing with matched conditions for fitting in pairs	UA	Bearing set with small axial internal clearance
Lubricant	Without	Bearing not greased

Main Dimensions & Performance Data

d	35 mm	Bore diameter
D	72 mm	Outside diameter
B	17 mm	Width
C_r	30,000 N	Basic dynamic load rating, radial
C_{0r}	19,000 N	Basic static load rating, radial
C_{ur}	1,320 N	Fatigue load limit, radial
n_G	17,400 1/min	Limiting speed
$n_{\vartheta r}$	9,600 1/min	Reference speed
≈m	0.314 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

$d_{a\ min}$	42 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	57.64 mm	Shoulder diameter on outer ring wide side face
d_1	50.17 mm	Shoulder diameter on inner ring wide side face
a	30.9 mm	Distance between the apexes of the pressure cones
α	40 °	Contact angle

Temperature range

T_{min}	-30 °C	Operating temperature min.
T_{max}	150 °C	Operating temperature max.

Additional information

A_{min}	40 µm	Axial clearance per set min.
$Tol_{(+)}$	8 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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