

**FAG****7207-B-XL-MP**

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
Type of seal	Without	Not sealed
Cage	MP	Solid brass cage, ball guided
Tolerance class	P6	Class6 (P6), better than PN
Dimensional / heat stabilization	S0	Rings dimensional stabilized up to 150°
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
$n_{gr}$	9.600 1/min	Reference speed
$m$	314 g	Weight



### 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
$\alpha$	40 °	Contact angle

### Temperature range

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

### Characteristics

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