



FAG

7207-B-XL-TVP [↗](#)

Angular contact ball bearing

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

X-life

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 | 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 | 13.400 1/min | Limiting speed |
| n _{gr} | 9.600 1/min | Reference speed |
| ≈m | 0,282 kg | 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 |
| 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