

FAG**7207-B-XL-TVP**

Angular contact ball bearing

Schaeffler ID:
0167251310000Angular contact ball bearing 72..-B-XL-
TVP, single row, X-life, plastic cage**X-life**

Technical information

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 |
| | 0,282 kg | Weight |

Additional information

| | | |
|--------------------|---------|---------------------------------------------------|
| r _{min} | 1,1 mm | Minimum chamfer dimension |
| r _{1 min} | 0,6 mm | Minimum chamfer dimension |
| D ₁ | 57,6 mm | Shoulder diameter on outer ring wide side face |
| d ₁ | 50,2 mm | Shoulder diameter on inner ring wide side face |
| a | 31 mm | Distance between the apexes of the pressure cones |
| α | 40 ° | Contact angle |

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 | Maximaler Durchmesser der Gehäuseschulter |
| r _{a max} | 1 mm | Maximum fillet radius of shaft |
| r _{a1 max} | 0,6 mm | Maximum fillet radius of housing |

Temperature range

| | | |
|------------------|--------|----------------------------|
| T _{min} | -30 °C | Operating temperature min. |
| T _{max} | 120 °C | Operating temperature max. |