

FAG

★ 7202-B-XL-JP

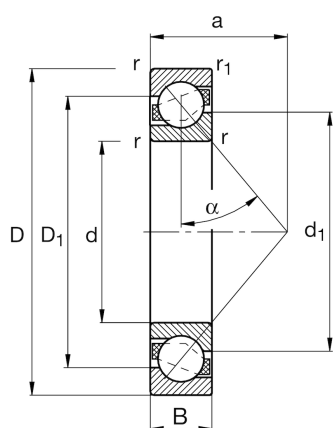
Angular contact ball bearing

Schaeffler ID:
0191143110000Angular contact ball bearing 72..-B-XL-JP,
single row, X-life, steel sheet metal cage

★ Preferred product

X-life

Technical information



Temperature range

| | | |
|-----------|----------|----------------------------|
| T_{min} | -30 °C | Operating temperature min. |
| T_{max} | 150 °C | Operating temperature max. |
| | 0,046 kg | Weight |

Main Dimensions & Performance Data

| | | |
|----------|--------------|-----------------------------------|
| d | 15 mm | Bore diameter |
| D | 35 mm | Outside diameter |
| B | 11 mm | Width |
| C_r | 8.900 N | Basic dynamic load rating, radial |
| C_{0r} | 4.450 N | Basic static load rating, radial |
| C_{ur} | 305 N | Fatigue load limit, radial |
| n_G | 29.500 1/min | Limiting speed |
| n_{gr} | 19.100 1/min | Reference speed |

Dimensions

| | | |
|-------------|---------|---|
| r_{min} | 0,6 mm | Minimum chamfer dimension |
| $r_{1 min}$ | 0,3 mm | Minimum chamfer dimension |
| D_1 | 27,6 mm | Shoulder diameter on outer ring wide side face |
| d_1 | 22,8 mm | Shoulder diameter on inner ring wide side face |
| a | 16 mm | Distance between the apexes of the pressure cones |
| α | 40 ° | Contact angle |

Mounting dimensions

| | | |
|--------------|---------|---|
| $d_{a min}$ | 19,2 mm | Minimum diameter of shaft shoulder |
| $D_{a max}$ | 30,8 mm | Maximum diameter of housing shoulder |
| $D_{b max}$ | 32,6 mm | Maximaler Durchmesser der Gehäuseschulter |
| $r_{a max}$ | 0,6 mm | Maximum fillet radius of shaft |
| $r_{a1 max}$ | 0,3 mm | Maximum fillet radius of housing |

