

FAG

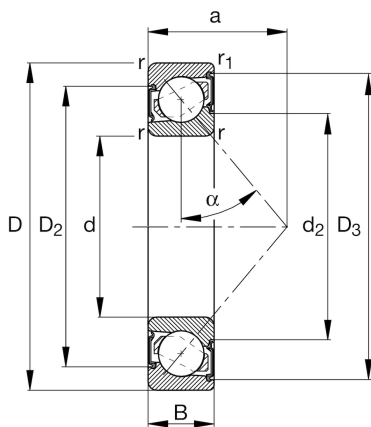
7203-B-XL-2RS-TVP-L431

Angular contact ball bearing

Schaeffler ID:
0922284700000Angular contact ball bearing 72..-B-
XL-2RS-TVP, single row, X-life, seals,
plastic cage

X-life

Technical information



Main Dimensions & Performance Data

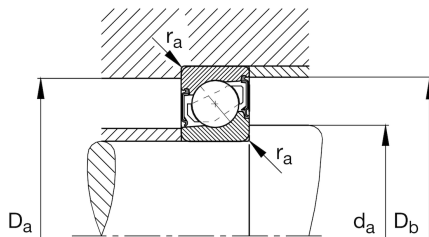
| | | |
|-------------|--------------|-----------------------------------|
| d | 17 mm | Bore diameter |
| D | 40 mm | Outside diameter |
| B | 12 mm | Width |
| C_r | 11,200 N | Basic dynamic load rating, radial |
| C_{0r} | 5,700 N | Basic static load rating, radial |
| C_{ur} | 395 N | Fatigue load limit, radial |
| n_G | 11,100 1/min | Limiting speed |
| $\approx m$ | 0.069 kg | Weight |

Mounting dimensions

| | | |
|---------------|---------|--------------------------------------|
| $d_{a \min}$ | 21.2 mm | Minimum diameter of shaft shoulder |
| $D_{a \max}$ | 35.8 mm | Maximum diameter of housing shoulder |
| $D_{b \max}$ | 37.6 mm | Maximum diameter of housing shoulder |
| $r_{a \max}$ | 0.6 mm | Maximum fillet radius of shaft |
| $r_{a1 \max}$ | 0.3 mm | Maximum fillet radius of housing |

Dimensions

| | | |
|--------------|----------|---|
| r_{\min} | 0.6 mm | Minimum chamfer dimension |
| $r_{1 \min}$ | 0.3 mm | Minimum chamfer dimension |
| D_1 | 31.46 mm | Shoulder diameter on outer ring wide side face |
| D_2 | 33.05 mm | Caliber diameter on outer ring wide side face |
| D_3 | 36.34 mm | Caliber diameter on outer ring small side face |
| d_1 | 25.99 mm | Shoulder diameter on inner ring wide side face |
| d_2 | 22.93 mm | Caliber diameter on inner ring wide side face |
| a | 18 mm | Distance between the apexes of the pressure cones |
| α | 40 ° | Contact angle |



Temperature range

| | | |
|------------------|--------|----------------------------|
| T _{min} | -30 °C | Operating temperature min. |
| T _{max} | 100 °C | Operating temperature max. |