

FAG

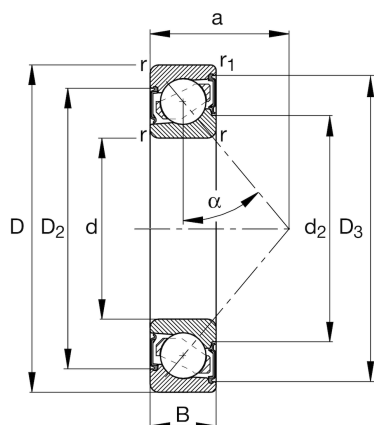
7205-B-XL-2RS-TVP

Angular contact ball bearing

Schaeffler ID:
0206765730000Angular contact ball bearing 72..-B-
XL-2RS-TVP, single row, X-life, seals,
plastic cage

X-life

Technical information

**Main Dimensions & Performance Data**

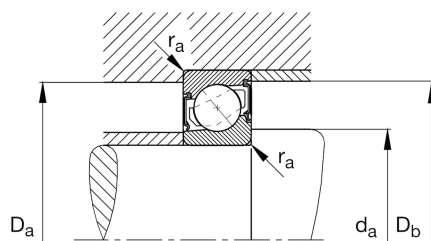
| | | |
|----------|-------------|-----------------------------------|
| d | 25 mm | Bore diameter |
| D | 52 mm | Outside diameter |
| B | 15 mm | Width |
| C_r | 16,200 N | Basic dynamic load rating, radial |
| C_{0r} | 9,000 N | Basic static load rating, radial |
| C_{ur} | 620 N | Fatigue load limit, radial |
| n_G | 8,000 1/min | Limiting speed |
| | 0.128 kg | Weight |

Dimensions

| | | |
|------------|---------|---|
| r_{min} | 1 mm | Minimum chamfer dimension |
| r_{1min} | 0.6 mm | Minimum chamfer dimension |
| D_1 | 42 mm | Shoulder diameter on outer ring wide side face |
| D_2 | 44.1 mm | Caliber diameter on outer ring wide side face |
| D_3 | 48 mm | Caliber diameter on outer ring small side face |
| d_1 | 35.5 mm | Shoulder diameter on inner ring wide side face |
| d_2 | 31.8 mm | Caliber diameter on inner ring wide side face |
| a | 24 mm | Distance between the apexes of the pressure cones |
| α | 40 ° | Contact angle |

Mounting dimensions

| | | |
|-------------|---------|---|
| d_{amin} | 30.6 mm | Minimum diameter of shaft shoulder |
| D_{amax} | 46.4 mm | Maximum diameter of housing shoulder |
| D_{bmax} | 47.8 mm | Maximaler Durchmesser der Gehäuseschulter |
| r_{amax} | 1 mm | Maximum fillet radius of shaft |
| r_{a1max} | 0.6 mm | Maximum fillet radius of housing |



Temperature range

| | | |
|------------------|--------|----------------------------|
| T _{min} | -20 °C | Operating temperature min. |
| T _{max} | 110 °C | Operating temperature max. |