



FAG

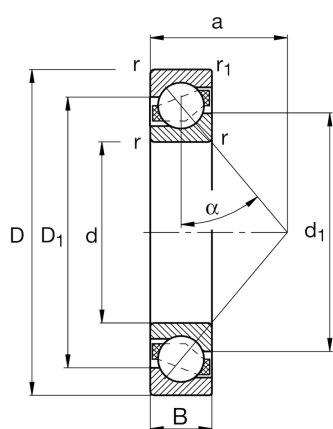
7205-B-XL-TVP

Angular contact ball bearing

Schaeffler ID:
0167250420000Angular contact ball bearing 72..-B-XL-
TVP, single row, X-life, plastic cage

X-life

Technical information

**Dimensions**

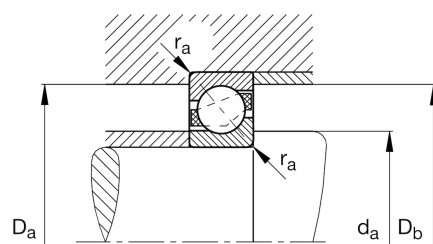
| | | |
|-------------|----------|---|
| r_{\min} | 1 mm | Minimum chamfer dimension |
| $r_{1\min}$ | 0,6 mm | Minimum chamfer dimension |
| D_1 | 42 mm | Shoulder diameter on outer ring wide side face |
| d_1 | 35,5 mm | Shoulder diameter on inner ring wide side face |
| a | 24 mm | Distance between the apexes of the pressure cones |
| α | 40 ° | Contact angle |
| | 0,126 kg | Weight |

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 | 19.200 1/min | Limiting speed |
| n_{gr} | 13.700 1/min | Reference speed |

Mounting dimensions

| | | |
|--------------|---------|---|
| $d_{a\min}$ | 30,6 mm | Minimum diameter of shaft shoulder |
| $D_{a\max}$ | 46,4 mm | Maximum diameter of housing shoulder |
| $D_{b\max}$ | 47,8 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. |