

FAG

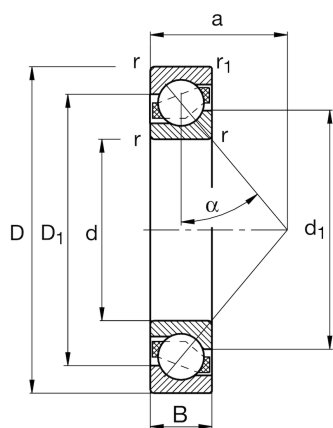
## 7210-B-XL-MP

Angular contact ball bearing

Schaeffler ID:  
0191149820000Angular contact ball bearing 72..-B-XL-MP,  
single row, X-life, solid brass cage

X-life

## Technical information



## Main Dimensions &amp; Performance Data

|          |              |                                   |
|----------|--------------|-----------------------------------|
| d        | 50 mm        | Bore diameter                     |
| D        | 90 mm        | Outside diameter                  |
| B        | 20 mm        | Width                             |
| $C_r$    | 41,500 N     | Basic dynamic load rating, radial |
| $C_{0r}$ | 28,500 N     | Basic static load rating, radial  |
| $C_{ur}$ | 1,970 N      | Fatigue load limit, radial        |
| $n_G$    | 13,400 1/min | Limiting speed                    |
| $n_{gr}$ | 7,600 1/min  | Reference speed                   |
|          | 0.515 kg     | Weight                            |

## Dimensions

|             |          |   |
|-------------|----------|---|
| $r_{min}$   | 1.1 mm   | Minimum chamfer dimension                         |
| $r_{1 min}$ | 0.6 mm   | Minimum chamfer dimension                         |
| $D_1$       | 74.8 mm  | Shoulder diameter on outer ring wide side face    |
| $d_1$       | 66.26 mm | Shoulder diameter on inner ring wide side face    |
| a           | 39 mm    | Distance between the apexes of the pressure cones |
| $\alpha$    | 40 °     | Contact angle                                     |

## Mounting dimensions

|              |         |   |
|--------------|---------|---|
| $d_{a min}$  | 57 mm   | Minimum diameter of shaft shoulder        |
| $D_{a max}$  | 83 mm   | Maximum diameter of housing shoulder      |
| $D_{b max}$  | 85.8 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. |
| $T_{max}$ | 150 °C | Operating temperature max. |

