



FAG

## ★ 7218-B-XL-MP

Angular contact ball bearing

Schaeffler ID:  
0167255300000Angular contact ball bearing 72..-B-XL-MP,  
single row, X-life, solid brass cage

★ Preferred product

X-life

## Technical information



## Temperature range

|            |         |                            |
|------------|---------|----------------------------|
| $T_{\min}$ | -30 °C  | Operating temperature min. |
| $T_{\max}$ | 150 °C  | Operating temperature max. |
|            | 2,47 kg | Weight                     |

## Main Dimensions &amp; Performance Data

|          |             |                                   |
|----------|-------------|-----------------------------------|
| d        | 90 mm       | Bore diameter                     |
| D        | 160 mm      | Outside diameter                  |
| B        | 30 mm       | Width                             |
| $C_r$    | 114.000 N   | Basic dynamic load rating, radial |
| $C_{0r}$ | 98.000 N    | Basic static load rating, radial  |
| $C_{ur}$ | 6.100 N     | Fatigue load limit, radial        |
| $n_G$    | 7.200 1/min | Limiting speed                    |
| $n_{gr}$ | 4.550 1/min | Reference speed                   |

## Dimensions

|             |          |                                                   |
|-------------|----------|---------------------------------------------------|
| $r_{\min}$  | 2 mm     | Minimum chamfer dimension                         |
| $r_{1\min}$ | 1 mm     | Minimum chamfer dimension                         |
| $D_1$       | 133,4 mm | Shoulder diameter on outer ring wide side face    |
| $d_1$       | 117,5 mm | Shoulder diameter on inner ring wide side face    |
| a           | 67 mm    | Distance between the apexes of the pressure cones |
| $\alpha$    | 40 °     | Contact angle                                     |

## Mounting dimensions

|              |          |                                           |
|--------------|----------|-------------------------------------------|
| $d_{a\min}$  | 101 mm   | Minimum diameter of shaft shoulder        |
| $D_{a\max}$  | 149 mm   | Maximum diameter of housing shoulder      |
| $D_{b\max}$  | 154,4 mm | Maximaler Durchmesser der Gehäuseschulter |
| $r_{a\max}$  | 2 mm     | Maximum fillet radius of shaft            |
| $r_{a1\max}$ | 1 mm     | Maximum fillet radius of housing          |

