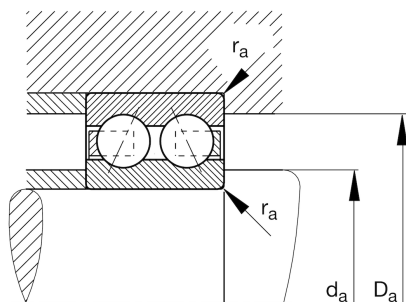
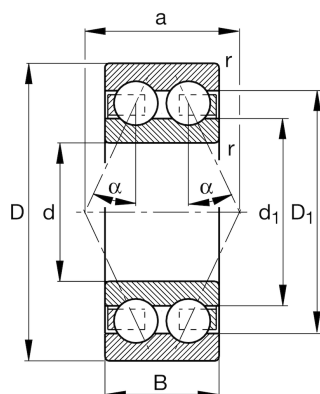
**FAG****3208-BD-XL**

Angular contact ball bearing

Schaeffler ID:  
0709370600000Angular contact ball bearing 32..-BD-XL,  
double row, X-life, steel sheet metal cage**X-life**

## Technical information

**Main Dimensions & Performance Data**

|                 |             |                                   |
|-----------------|-------------|-----------------------------------|
| d               | 40 mm       | Bore diameter                     |
| D               | 80 mm       | Outside diameter                  |
| B               | 30,2 mm     | Width                             |
| C <sub>r</sub>  | 51.000 N    | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 38.000 N    | Basic static load rating, radial  |
| C <sub>ur</sub> | 2.650 N     | Fatigue load limit, radial        |
| n <sub>G</sub>  | 8.900 1/min | Limiting speed                    |
| n <sub>gr</sub> | 9.100 1/min | Reference speed                   |
|                 | 0,593 kg    | Weight                            |

**Dimensions**

|                  |         |                                                   |
|------------------|---------|---------------------------------------------------|
| r <sub>min</sub> | 1,1 mm  | Minimum chamfer dimension                         |
| D <sub>1</sub>   | 69,6 mm | Shoulder diameter outer ring                      |
| d <sub>1</sub>   | 54,9 mm | Shoulder diameter inner ring                      |
| a                | 47,4 mm | Distance between the apexes of the pressure cones |
| α                | 30 °    | Contact angle                                     |

**Mounting dimensions**

|                    |       |                                      |
|--------------------|-------|--------------------------------------|
| d <sub>a min</sub> | 47 mm | Minimum diameter shaft shoulder      |
| D <sub>a max</sub> | 73 mm | Maximum diameter of housing shoulder |
| r <sub>a max</sub> | 1 mm  | Maximum fillet radius                |

**Temperature range**

|                  |        |                            |
|------------------|--------|----------------------------|
| T <sub>min</sub> | -30 °C | Operating temperature min. |
| T <sub>max</sub> | 120 °C | Operating temperature max. |