



FAG

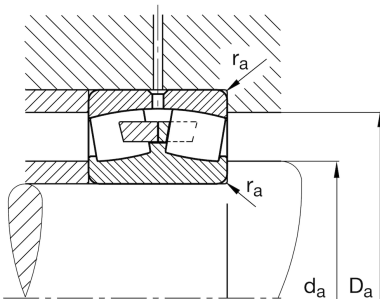
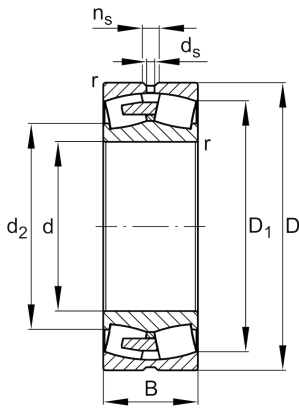
**23196-BEA-XL-MB1**

Spherical roller bearing

Schaeffler ID:  
0854248380000Spherical roller bearing 231..-BEA-XL-  
MB1, symmetric 2 outer ribs with rib  
washer

X-life

## Technical information

**Temperature range**

|            |        |                            |
|------------|--------|----------------------------|
| $T_{\min}$ | -30 °C | Operating temperature min. |
| $T_{\max}$ | 200 °C | Operating temperature max. |
|            | 481 kg | Weight                     |

**Main Dimensions & Performance Data**

|          |              |                                   |
|----------|--------------|-----------------------------------|
| d        | 480 mm       | Bore diameter                     |
| D        | 790 mm       | Outside diameter                  |
| B        | 248 mm       | Width                             |
| $C_r$    | 7.400.000 N  | Basic dynamic load rating, radial |
| $C_{0r}$ | 12.400.000 N | Basic static load rating, radial  |
| $C_{ur}$ | 820.000 N    | Fatigue load limit, radial        |
| $n_G$    | 740 1/min    | Limiting speed                    |
| $n_{gr}$ | 375 1/min    | Reference speed                   |

**Dimensions**

|            |          |                             |
|------------|----------|-----------------------------|
| $r_{\min}$ | 7,5 mm   | Minimum chamfer dimension   |
| $D_1$      | 690,4 mm | Bore diameter outer ring    |
| $d_s$      | 12,5 mm  | Diameter lubrication hole   |
| $n_s$      | 23,5 mm  | Width of lubricating groove |

**Mounting dimensions**

|             |        |                                      |
|-------------|--------|--------------------------------------|
| $d_{a\min}$ | 512 mm | Minimum diameter shaft shoulder      |
| $D_{a\max}$ | 758 mm | Maximum diameter of housing shoulder |
| $r_{a\max}$ | 6 mm   | Maximum recess radius                |

**Additional information**

|                |      |  |
|----------------|------|--|
| e              | 0,3  | Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y |
| Y <sub>1</sub> | 2,23 | Dynamic axial load factor  |
| Y <sub>2</sub> | 3,32 | Dynamic axial load factor  |
| Y <sub>0</sub> | 2,18 | Static axial load factor   |