

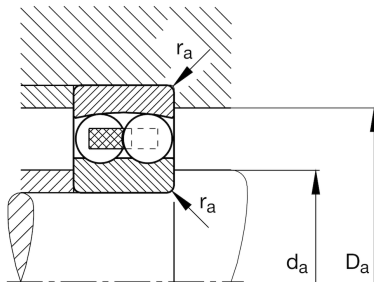
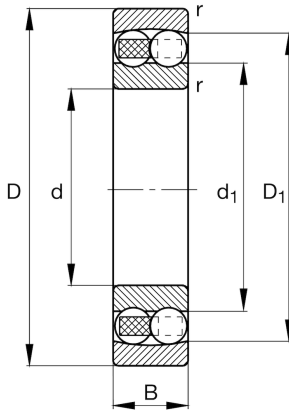
FAG

**2214-M**

Self-aligning ball bearing

Schaeffler ID:  
0190060390000Self-aligning ball bearing 22..-M, solid  
brass cage

## Technical information

**Main Dimensions & Performance Data**

|            |             |                                   |
|------------|-------------|-----------------------------------|
| d          | 70 mm       | Bore diameter                     |
| D          | 125 mm      | Outside diameter                  |
| B          | 31 mm       | Width                             |
| $r_{\min}$ | 1,5 mm      | Minimum chamfer dimension         |
| $C_r$      | 44.000 N    | Basic dynamic load rating, radial |
| $C_{0r}$   | 17.100 N    | Basic static load rating, radial  |
| $C_{ur}$   | 1.080 N     | Fatigue load limit, radial        |
| $n_G$      | 8.800 1/min | Limiting speed                    |
| $n_{gr}$   | 5.900 1/min | Reference speed                   |
|            | 1,662 kg    | Weight                            |

**Dimensions**

|       |          |                              |
|-------|----------|------------------------------|
| $D_1$ | 108,9 mm | Shoulder diameter outer ring |
| $d_1$ | 87,6 mm  | Shoulder diameter inner ring |

**Mounting dimensions**

|             |        |                                      |
|-------------|--------|--------------------------------------|
| $d_{a\min}$ | 79 mm  | Minimum diameter shaft shoulder      |
| $D_{a\max}$ | 116 mm | Maximum diameter of housing shoulder |
| $r_{a\max}$ | 1,5 mm | Maximum fillet radius                |

**Calculation factors**

|       |      |  |
|-------|------|--|
| e     | 0,27 | Limiting value of $F_a/F_r$ for the applicability of diff. Values of factors X and Y |
| $Y_1$ | 2,33 | Dynamic axial load factor  |
| $Y_2$ | 3,61 | Dynamic axial load factor  |
| $Y_0$ | 2,45 | Static axial load factor   |

**Temperature range**

|            |        |                            |
|------------|--------|----------------------------|
| $T_{\min}$ | -30 °C | Operating temperature min. |
| $T_{\max}$ | 150 °C | Operating temperature max. |