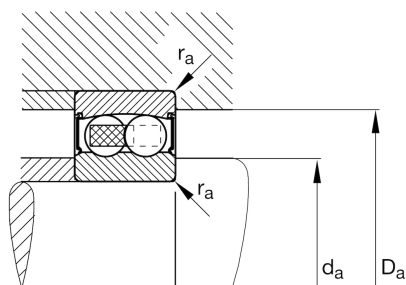
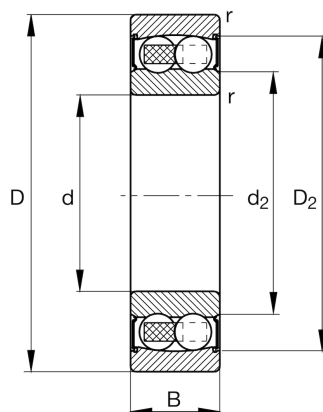
**FAG****2214-2RS-TVH**

Self-aligning ball bearing

Schaeffler ID:  
0167031380000Self-aligning ball bearing 22..-2RS-TVH,  
seals, plastic 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         |
| $C_r$     | 35.000 N    | Basic dynamic load rating, radial |
| $C_{0r}$  | 13.800 N    | Basic static load rating, radial  |
| $C_{ur}$  | 880 N       | Fatigue load limit, radial        |
| $n_G$     | 3.050 1/min | Limiting speed                    |
|           | 1,52 kg     | Weight                            |

**Dimensions**

|       |          |                             |
|-------|----------|-----------------------------|
| $D_2$ | 110,8 mm | Caliber diameter outer ring |
| $d_2$ | 84,7 mm  | Caliber 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     | 0,19 | Limiting value of $F_a/F_r$ for the applicability of<br>diff. Values of factors X and Y |
| $Y_1$ | 3,37 | Dynamic axial load factor                                                               |
| $Y_2$ | 5,22 | Dynamic axial load factor                                                               |
| $Y_0$ | 3,53 | Static axial load factor                                                                |

**Temperature range**

|           |        |                            |
|-----------|--------|----------------------------|
| $T_{min}$ | -20 °C | Operating temperature min. |
| $T_{max}$ | 100 °C | Operating temperature max. |