



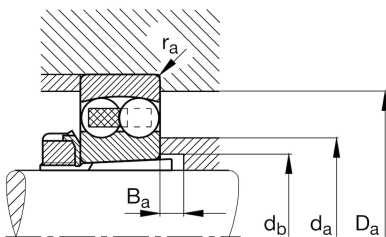
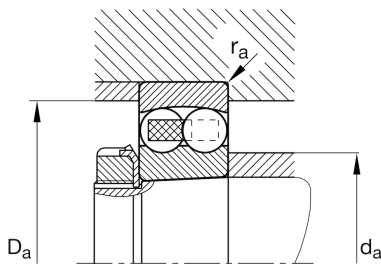
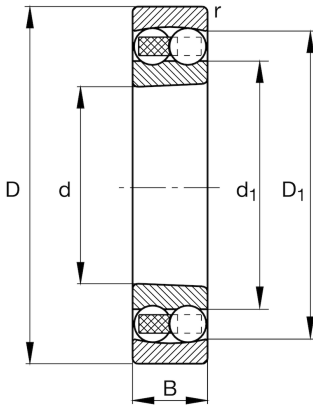
FAG

**2216-K-TVH-C3**

Self-aligning ball bearing

Schaeffler ID:  
0384380380030Self-aligning ball bearing 22..-K-TVH,  
tapered bore taper 1:12, plastic cage

## Technical information

**Dimensions**

|       |         |                              |
|-------|---------|------------------------------|
| $D_1$ | 121 mm  | Shoulder diameter outer ring |
| $d_1$ | 99,2 mm | Shoulder diameter inner ring |
|       | 1,97 kg | Weight                       |

**Main Dimensions & Performance Data**

|            |             |                                   |
|------------|-------------|-----------------------------------|
| $d$        | 80 mm       | Bore diameter                     |
| $D$        | 140 mm      | Outside diameter                  |
| $B$        | 33 mm       | Width                             |
| $r_{\min}$ | 2 mm        | Minimum chamfer dimension         |
| $C_r$      | 49.500 N    | Basic dynamic load rating, radial |
| $C_{0r}$   | 19.900 N    | Basic static load rating, radial  |
| $C_{ur}$   | 1.210 N     | Fatigue load limit, radial        |
| $n_G$      | 5.300 1/min | Limiting speed                    |
| $n_{gr}$   | 5.400 1/min | Reference speed                   |

**Mounting dimensions**

|             |        |                                       |
|-------------|--------|---------------------------------------|
| $d_{a\min}$ | 91 mm  | Minimum diameter shaft shoulder       |
| $d_{a\max}$ | 96 mm  | Maximum diameter shaft shoulder       |
| $D_{a\max}$ | 129 mm | Maximum diameter of housing shoulder  |
| $d_{b\min}$ | 85 mm  | Minimum cavity diameter of the sleeve |
| $B_{a\min}$ | 12 mm  | Minimum cavity width of the sleeve    |
| $r_{a\max}$ | 2 mm   | Maximum fillet radius                 |

**Calculation factors**

|       |      |  |
|-------|------|--|
| $e$   | 0,25 | Limiting value of $F_a/F_r$ for the applicability of diff. Values of factors X and Y |
| $Y_1$ | 2,48 | Dynamic axial load factor  |
| $Y_2$ | 3,84 | Dynamic axial load factor  |
| $Y_0$ | 2,6  | Static axial load factor   |

**Additional information**

H316

Adapter sleeve

**Temperature range**

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