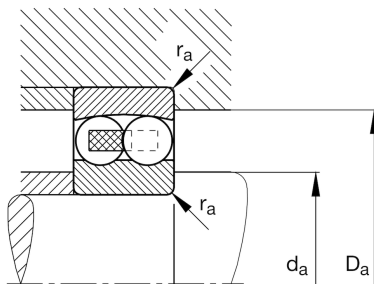
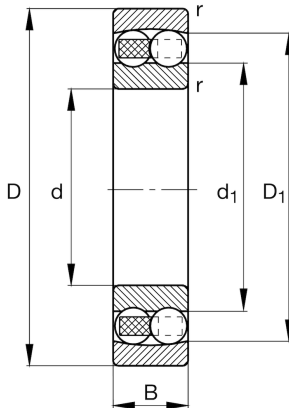


**FAG****2213-TVH-C3**

Self-aligning ball bearing

Schaeffler ID:  
0167031200030Self-aligning ball bearing 22..-TVH, plastic  
cage

## Technical information

**Main Dimensions & Performance Data**

|          |                |                                   |
|----------|----------------|-----------------------------------|
| d        | 2,559 in       | Bore diameter                     |
| D        | 4,724 in       | Outside diameter                  |
| B        | 1,22 in        | Width                             |
| $C_r$    | 13.039,568 lbf | Basic dynamic load rating, radial |
| $C_{0r}$ | 4.316,547 lbf  | Basic static load rating, radial  |
| $C_{ur}$ | 274,281 lbf    | Fatigue load limit, radial        |
| $n_G$    | 5.600 1/min    | Limiting speed                    |
| $n_{gr}$ | 6.200 1/min    | Reference speed                   |
|          | 2,976 lbs      | Weight                            |

**Mounting dimensions**

|              |          |                                      |
|--------------|----------|--------------------------------------|
| $d_{a \min}$ | 2,913 in | Minimum diameter shaft shoulder      |
| $D_{a \max}$ | 4,37 in  | Maximum diameter of housing shoulder |
| $r_{a \max}$ | 0,059 in | Maximum fillet radius                |

**Dimensions**

|            |          |                              |
|------------|----------|------------------------------|
| $r_{\min}$ | 0,059 in | Minimum chamfer dimension    |
| $D_1$      | 4,209 in | Shoulder diameter outer ring |
| $d_1$      | 3,244 in | Shoulder diameter inner ring |

**Temperature range**

|            |        |                            |
|------------|--------|----------------------------|
| $T_{\min}$ | -22 °F | Operating temperature min. |
| $T_{\max}$ | 248 °F | Operating temperature max. |

**Calculation factors**

|       |      |  |
|-------|------|--|
| e     | 0,23 | Limiting value of $F_a/F_r$ for the applicability of diff. Values of factors X and Y |
| $Y_1$ | 2,78 | Dynamic axial load factor  |
| $Y_2$ | 4,3  | Dynamic axial load factor  |
| $Y_0$ | 2,91 | Static axial load factor   |