

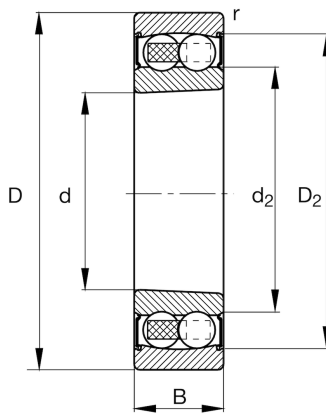
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**2212-K-2RS-TVH-C3**

Self-aligning ball bearing

Self-aligning ball bearing 22...-K-2RS-TVH, tapered bore taper 1:12, seals, plastic cage

## Technical information



## Main Dimensions &amp; Performance Data

|             |             |                                   |
|-------------|-------------|-----------------------------------|
| d           | 60 mm       | Bore diameter                     |
| D           | 110 mm      | Outside diameter                  |
| B           | 28 mm       | Width                             |
| $C_r$       | 30.500 N    | Basic dynamic load rating, radial |
| $C_{0r}$    | 11.500 N    | Basic static load rating, radial  |
| $C_{ur}$    | 730 N       | Fatigue load limit, radial        |
| $n_G$       | 3.750 1/min | Limiting speed                    |
| $\approx m$ | 1,023 kg    | Weight                            |

## Mounting dimensions

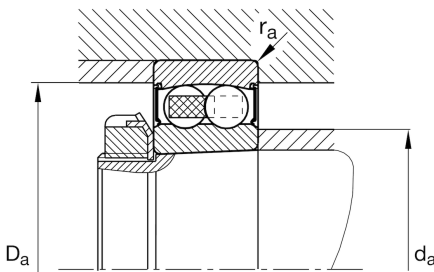
|              |        |                                       |
|--------------|--------|---------------------------------------|
| $d_{a \min}$ | 69 mm  | Minimum diameter shaft shoulder       |
| $d_{a \max}$ | 75 mm  | Maximum diameter shaft shoulder       |
| $D_{a \max}$ | 101 mm | Maximum diameter of housing shoulder  |
| $d_{b \min}$ | 65 mm  | Minimum cavity diameter of the sleeve |
| $B_{a \min}$ | 9 mm   | Minimum cavity width of the sleeve    |
| $r_{a \max}$ | 1,5 mm | Maximum fillet radius                 |

## Dimensions

|            |           |                              |
|------------|-----------|------------------------------|
| $r_{\min}$ | 1,5 mm    | Minimum chamfer dimension    |
| $D_1$      | 95,209 mm | Shoulder diameter outer ring |
| $D_2$      | 99,49 mm  | Caliber diameter outer ring  |
| $d_1$      | 78 mm     | Shoulder diameter inner ring |
| $d_2$      | 70,4 mm   | Caliber diameter inner ring  |

## Temperature range

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





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### Calculation factors

|       |      |                                                                                      |
|-------|------|--------------------------------------------------------------------------------------|
| e     | 0,18 | Limiting value of $F_a/F_r$ for the applicability of diff. Values of factors X and Y |
| $Y_1$ | 3,47 | Dynamic axial load factor                                                            |
| $Y_2$ | 5,37 | Dynamic axial load factor                                                            |
| $Y_0$ | 3,64 | Static axial load factor                                                             |

### Additional information

|      |                |
|------|----------------|
| H312 | Adapter sleeve |
|------|----------------|

