

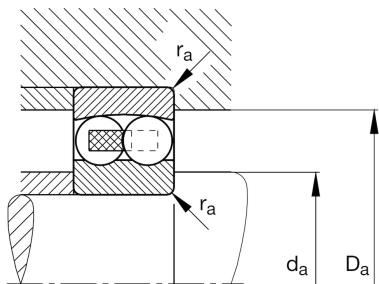
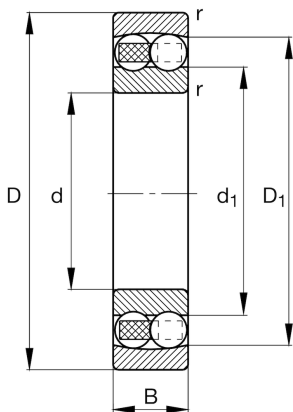
FAG

1205-TVH  
Self-aligning ball bearing

Materiálové číslo Schaeffler:  
0167002870000

Self-aligning ball bearing 12..-TVH, plastic cage

Technické informace



Main Dimensions & Performance Data

|                 |              |                                   |
|-----------------|--------------|-----------------------------------|
| d               | 25 mm        | Bore diameter                     |
| D               | 52 mm        | Outside diameter                  |
| B               | 15 mm        | Width                             |
| C <sub>r</sub>  | 12.300 N     | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 3.300 N      | Basic static load rating, radial  |
| C <sub>ur</sub> | 209 N        | Fatigue load limit, radial        |
| n <sub>G</sub>  | 15.500 1/min | Limiting speed                    |
| n <sub>gr</sub> | 13.400 1/min | Reference speed                   |
|                 | 0,135 kg     | Hmotnost                          |

Mounting dimensions

|                    |         |                                      |
|--------------------|---------|--------------------------------------|
| d <sub>a min</sub> | 30,6 mm | Minimum diameter shaft shoulder      |
| D <sub>a max</sub> | 46,4 mm | Maximum diameter of housing shoulder |
| r <sub>a max</sub> | 1 mm    | Maximum fillet radius                |

Dimensions

|                  |         |                              |
|------------------|---------|------------------------------|
| r <sub>min</sub> | 1 mm    | Minimum chamfer dimension    |
| D <sub>1</sub>   | 43,6 mm | Shoulder diameter outer ring |
| d <sub>1</sub>   | 33,3 mm | Shoulder diameter inner ring |

Temperature range

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

Calculation factors

|                |      |                                                                                     |
|----------------|------|-------------------------------------------------------------------------------------|
| e              | 0,27 | Limiting value of Fa/Fr for the applicability of<br>diff. Values of factors X and Y |
| Y <sub>1</sub> | 2,36 | Dynamic axial load factor                                                           |
| Y <sub>2</sub> | 3,65 | Dynamic axial load factor                                                           |
| Y <sub>0</sub> | 2,47 | Static axial load factor                                                            |