

FAG

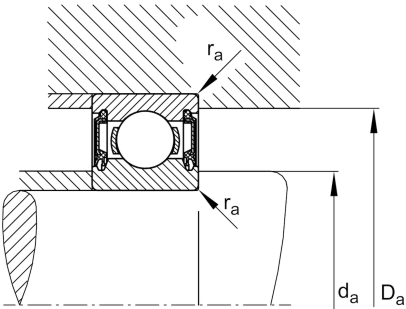
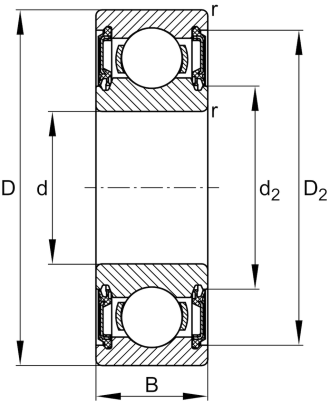
6003-H-2RSR

Deep groove ball bearing

Schaeffler ID:  
0938754440000

Deep groove ball bearing 60...H-2RSR,  
single row, H-Series, seals, steel sheet  
metal cage

Technical information



Main Dimensions & Performance Data

|                 |              |                                   |
|-----------------|--------------|-----------------------------------|
| d               | 17 mm        | Bore diameter                     |
| D               | 35 mm        | Outside diameter                  |
| B               | 10 mm        | Width                             |
| C <sub>r</sub>  | 6.000 N      | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 3.240 N      | Basic static load rating, radial  |
| C <sub>ur</sub> | 198 N        | Fatigue load limit, radial        |
| n <sub>G</sub>  | 11.700 1/min | Limiting speed                    |
|                 | 0,04 kg      | Weight                            |

Dimensions

|                  |         |                             |
|------------------|---------|-----------------------------|
| r <sub>min</sub> | 0,3 mm  | Minimum chamfer dimension   |
| D <sub>2</sub>   | 31 mm   | Caliber diameter outer ring |
| d <sub>2</sub>   | 21,3 mm | Caliber diameter inner ring |

Mounting dimensions

|                    |        |                                      |
|--------------------|--------|--------------------------------------|
| d <sub>a min</sub> | 19 mm  | Minimum diameter shaft shoulder      |
| D <sub>a max</sub> | 33 mm  | Maximum diameter of housing shoulder |
| r <sub>a max</sub> | 0,3 mm | Maximum fillet radius                |

Calculation factors

|                |      |                    |
|----------------|------|--------------------|
| f <sub>0</sub> | 14,3 | Calculation factor |
|----------------|------|--------------------|

Temperature range

|                  |        |                            |
|------------------|--------|----------------------------|
| T <sub>min</sub> | -20 °C | Operating temperature min. |
| T <sub>max</sub> | 100 °C | Operating temperature max. |