

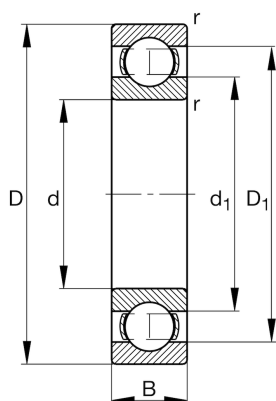
FAG

**16003-A**

Deep groove ball bearing

Schaeffler ID:  
0604511140000Deep groove ball bearing 160..-A, single  
row, steel sheet metal cage

## Technical information

**Dimensions**

|            |          |                              |
|------------|----------|------------------------------|
| $r_{\min}$ | 0.3 mm   | Minimum chamfer dimension    |
| $D_1$      | 29.5 mm  | Shoulder diameter outer ring |
| $d_1$      | 22.8 mm  | Shoulder diameter inner ring |
|            | 0.032 kg | Weight                       |

**Main Dimensions & Performance Data**

|          |              |                                   |
|----------|--------------|-----------------------------------|
| $d$      | 17 mm        | Bore diameter                     |
| $D$      | 35 mm        | Outside diameter                  |
| $B$      | 8 mm         | Width                             |
| $C_r$    | 6,000 N      | Basic dynamic load rating, radial |
| $C_{0r}$ | 2,800 N      | Basic static load rating, radial  |
| $C_{ur}$ | 207 N        | Fatigue load limit, radial        |
| $n_G$    | 31,000 1/min | Limiting speed                    |
| $n_{gr}$ | 17,700 1/min | Reference speed                   |

**Mounting dimensions**

|             |        |                                      |
|-------------|--------|--------------------------------------|
| $d_{a\min}$ | 19 mm  | Minimum diameter shaft shoulder      |
| $D_{a\max}$ | 33 mm  | Maximum diameter of housing shoulder |
| $r_{a\max}$ | 0.3 mm | Maximum fillet radius                |

**Calculation factors**

|       |      |                    |
|-------|------|--------------------|
| $f_0$ | 14.3 | Calculation factor |
|-------|------|--------------------|

**Temperature range**

|            |        |                            |
|------------|--------|----------------------------|
| $T_{\min}$ | -30 °C | Operating temperature min. |
| $T_{\max}$ | 120 °C | Operating temperature max. |