



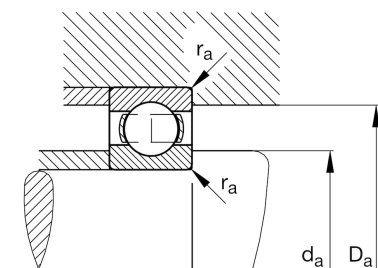
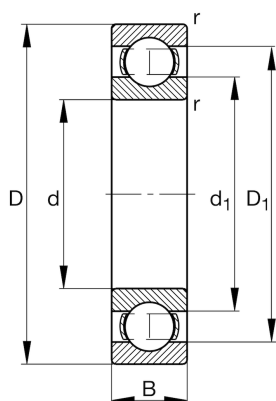
FAG

**6028**

Deep groove ball bearing

Schaeffler ID:  
0167186150000Deep groove ball bearing 60, single row,  
steel sheet metal cage

## Technical information

**Main Dimensions & Performance Data**

|          |             |                                   |
|----------|-------------|-----------------------------------|
| d        | 140 mm      | Bore diameter                     |
| D        | 210 mm      | Outside diameter                  |
| B        | 33 mm       | Width                             |
| $C_r$    | 117.000 N   | Basic dynamic load rating, radial |
| $C_{0r}$ | 109.000 N   | Basic static load rating, radial  |
| $C_{ur}$ | 5.100 N     | Fatigue load limit, radial        |
| $n_G$    | 4.250 1/min | Limiting speed                    |
| $n_{gr}$ | 4.050 1/min | Reference speed                   |
|          | 3,57 kg     | Weight                            |

**Dimensions**

|           |          |                              |
|-----------|----------|------------------------------|
| $r_{min}$ | 2 mm     | Minimum chamfer dimension    |
| $D_1$     | 187,5 mm | Shoulder diameter outer ring |
| $d_1$     | 162,3 mm | Shoulder diameter inner ring |

**Mounting dimensions**

|             |          |                                      |
|-------------|----------|--------------------------------------|
| $d_{a min}$ | 148,8 mm | Minimum diameter shaft shoulder      |
| $D_{a max}$ | 201,2 mm | Maximum diameter of housing shoulder |
| $r_{a max}$ | 2 mm     | Maximum fillet radius                |

**Calculation factors**

|       |    |                    |
|-------|----|--------------------|
| $f_0$ | 16 | Calculation factor |
|-------|----|--------------------|

**Temperature range**

|           |        |                            |
|-----------|--------|----------------------------|
| $T_{min}$ | -30 °C | Operating temperature min. |
| $T_{max}$ | 150 °C | Operating temperature max. |