**FAG**★ **6005-2Z**

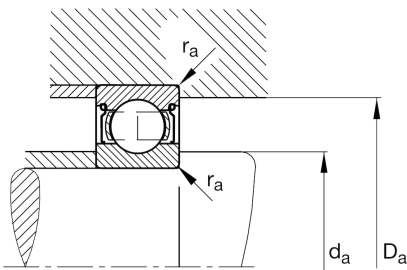
Deep groove ball bearing

Schaeffler ID:  
0167172790000

Deep groove ball bearing 60...-2Z, single row, shields, steel sheet metal cage

★ Preferred product

## Technical information

**Temperature range**

|            |        |                            |
|------------|--------|----------------------------|
| $T_{\min}$ | -20 °C | Operating temperature min. |
| $T_{\max}$ | 120 °C | Operating temperature max. |
|            | 79 g   | Weight                     |

**Main Dimensions & Performance Data**

|          |              |                                   |
|----------|--------------|-----------------------------------|
| d        | 25 mm        | Bore diameter                     |
| D        | 47 mm        | Outside diameter                  |
| B        | 12 mm        | Width                             |
| $C_r$    | 10.700 N     | Basic dynamic load rating, radial |
| $C_{0r}$ | 5.900 N      | Basic static load rating, radial  |
| $C_{ur}$ | 315 N        | Fatigue load limit, radial        |
| $n_G$    | 18.600 1/min | Limiting speed                    |
| $n_{gr}$ | 15.200 1/min | Reference speed                   |

**Dimensions**

|            |         |                              |
|------------|---------|------------------------------|
| $r_{\min}$ | 0,6 mm  | Minimum chamfer dimension    |
| $D_2$      | 42,5 mm | Caliber diameter outer ring  |
| $d_1$      | 32 mm   | Shoulder diameter inner ring |

**Mounting dimensions**

|             |         |                                      |
|-------------|---------|--------------------------------------|
| $d_{a\min}$ | 28,2 mm | Minimum diameter shaft shoulder      |
| $D_{a\max}$ | 43,8 mm | Maximum diameter of housing shoulder |
| $r_{a\max}$ | 0,6 mm  | Maximum fillet radius                |

**Calculation factors**

|       |      |                    |
|-------|------|--------------------|
| $f_0$ | 14,6 | Calculation factor |
|-------|------|--------------------|