



FAG

**61812-2RZ-Y**

Deep groove ball bearing

Schaeffler ID:  
0797522840000Deep groove ball bearing 618...-2RZ-Y,  
single row, shields, brass sheet metal cage

## Technical information

**Main Dimensions & Performance Data**

|          |              |                                   |
|----------|--------------|-----------------------------------|
| d        | 60 mm        | Bore diameter                     |
| D        | 78 mm        | Outside diameter                  |
| B        | 10 mm        | Width                             |
| $C_r$    | 12.600 N     | Basic dynamic load rating, radial |
| $C_{0r}$ | 11.100 N     | Basic static load rating, radial  |
| $C_{ur}$ | 710 N        | Fatigue load limit, radial        |
| $n_G$    | 10.400 1/min | Limiting speed                    |
| $n_{gr}$ | 6.300 1/min  | Reference speed                   |
|          | 0,105 kg     | Weight                            |

**Dimensions**

|           |         |                              |
|-----------|---------|------------------------------|
| $r_{min}$ | 0,3 mm  | Minimum chamfer dimension    |
| $D_2$     | 74,5 mm | Caliber diameter outer ring  |
| $d_1$     | 65,6 mm | Shoulder diameter inner ring |

**Mounting dimensions**

|             |        |                                      |
|-------------|--------|--------------------------------------|
| $d_{a min}$ | 62 mm  | Minimum diameter shaft shoulder      |
| $D_{a max}$ | 76 mm  | Maximum diameter of housing shoulder |
| $r_{a max}$ | 0,3 mm | Maximum fillet radius                |

**Calculation factors**

|       |      |                    |
|-------|------|--------------------|
| $f_0$ | 16,3 | Calculation factor |
|-------|------|--------------------|

**Temperature range**

|           |        |                            |
|-----------|--------|----------------------------|
| $T_{min}$ | -30 °C | Operating temperature min. |
| $T_{max}$ | 100 °C | Operating temperature max. |

