



FAG

## ★ S6003-2RSR

Deep groove ball bearing

Schaeffler ID:  
0554286900000

★ Preferred product

Deep groove ball bearing S60...-2RSR,  
corrosion-resistant materials, single row,  
seals, steel sheet metal cage

## Technical information



## Temperature range

|            |        |                            |
|------------|--------|----------------------------|
| $T_{\min}$ | -30 °C | Operating temperature min. |
| $T_{\max}$ | 110 °C | Operating temperature max. |
|            | 39 g   | Weight                     |

## Main Dimensions &amp; Performance Data

|          |              |                                   |
|----------|--------------|-----------------------------------|
| d        | 17 mm        | Bore diameter                     |
| D        | 35 mm        | Outside diameter                  |
| B        | 10 mm        | Width                             |
| $C_r$    | 5.100 N      | Basic dynamic load rating, radial |
| $C_{0r}$ | 2.610 N      | Basic static load rating, radial  |
| $C_{ur}$ | 166 N        | Fatigue load limit, radial        |
| $n_G$    | 11.400 1/min | Limiting speed                    |

## Dimensions

|            |          |                              |
|------------|----------|------------------------------|
| $r_{\min}$ | 0,3 mm   | Minimum chamfer dimension    |
| $D_2$      | 31,85 mm | Caliber diameter outer ring  |
| $d_1$      | 23,5 mm  | Shoulder diameter inner ring |

## 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

|       |      |                    |
|-------|------|--------------------|
| $f_0$ | 11,5 | Calculation factor |
|-------|------|--------------------|