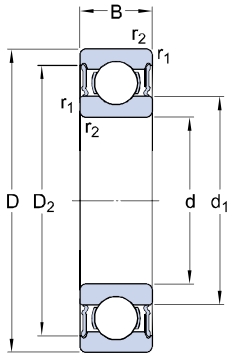
# Deep groove ball bearings, single row, stainless steel

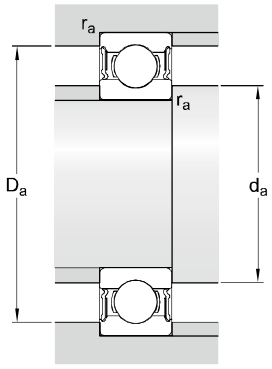
## W 6205-2RS1/VP311

### Dimensions




| | | | |
|---|---|---|---|
| d | | 25 | mm |
| D | | 52 | mm |
| B | | 15 | mm |
| $d_1$ | ≈ | 34 | mm |
| $D_2$ | ≈ | 45.7 | mm |
| $r_{1,2}$ | min. | 1 | mm |

### Abutment dimensions




| | | | |
|---|---|---|---|
| $d_a$ | min. | 30 | mm |
| $d_a$ | max. | 33.5 | mm |
| $D_a$ | max. | 47 | mm |
| $r_a$ | max. | 1 | mm |

### Calculation data

| | | | |
|---|---|---|---|
| Basic dynamic load rating | C | 11.7 | kN |
| Basic static load rating | $C_0$ | 7.6 | kN |
| Fatigue load limit | $P_u$ | 0.33 | kN |
| Limiting speed | | 8500 | r/min |
| Calculation factor | $k_r$ | 0.03 | |
| Calculation factor | $f_0$ | 13.8 | |

### Mass

| | | | |
|---|---|---|---|
| Mass bearing | | 0.129 | kg |