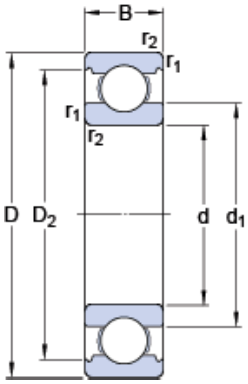
# 6205

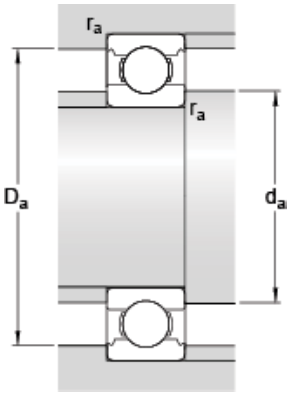
SKF Explorer

## Dimensions




| | | | |
|---|---|---|---|
| d | | 25 | mm |
| D | | 52 | mm |
| B | | 15 | mm |
| $d_1$ | ≈ | 34.35 | mm |
| $D_2$ | ≈ | 46.21 | mm |
| $r_{1,2}$ | min. | 1 | mm |

## Abutment dimensions




| | | | |
|---|---|---|---|
| $d_a$ | min. | 30.6 | mm |
| $D_a$ | max. | 46.4 | mm |
| $r_a$ | max. | 1 | mm |

## Calculation data

| | | | |
|---|---|---|---|
| Basic dynamic load rating | C | 14.8 | kN |
| Basic static load rating | $C_0$ | 7.8 | kN |
| Fatigue load limit | $P_u$ | 0.335 | kN |
| Reference speed | | 28000 | r/min |
| Limiting speed | | 18000 | r/min |
| Calculation factor | $k_r$ | 0.025 | |
| Calculation factor | $f_0$ | 14 | |

## Mass

| | | | |
|---|---|---|---|
| Mass bearing | | 0.13 | kg |