

**FAG****6205-C-2HRS-C4>V**

Deep groove ball bearing

Deep groove ball bearing 62...-C-2HRS, single row, Generation C, seals, steel sheet metal cage

## Technical information

**Your current product variant**

|                                  |              |   |
|----------------------------------|--------------|---|
| Version code                     | >V           | Not marked on bearing                   |
| Changed internal design          | C            | GenerationC                             |
| Sealing                          | 2HRS         | Contact seal on both sides              |
| Cage                             | JN           | Steel sheet metal                       |
| Tolerance class                  | P6           | Class 6 (ISO 492:2023)                  |
| Dimensional / heat stabilization | SN           | Rings dimensional stabilized up to 120° |
| Lubricant                        | GA14         | Ball bearing grease, low noise          |
| Radial internal clearance        | C4 (Group 4) | Internal clearance larger than C3       |
| Bore type                        | Z            | Cylindrical                             |

**Main Dimensions & Performance Data**

|             |              |                                   |
|-------------|--------------|-----------------------------------|
| d           | 25 mm        | Bore diameter                     |
| D           | 52 mm        | Outside diameter                  |
| B           | 15 mm        | Width                             |
| $C_r$       | 15.900 N     | Basic dynamic load rating, radial |
| $C_{0r}$    | 7.800 N      | Basic static load rating, radial  |
| $C_{ur}$    | 530 N        | Fatigue load limit, radial        |
| $n_G$       | 12.200 1/min | Limiting speed                    |
| $\approx m$ | 0,125 kg     | Weight                            |



### Mounting dimensions

|              |         |                                      |
|--------------|---------|--------------------------------------|
| $d_{a \min}$ | 30,6 mm | Minimum diameter shaft shoulder      |
| $D_{a \max}$ | 46,4 mm | Maximum diameter of housing shoulder |
| $r_{a \max}$ | 1 mm    | Maximum fillet radius                |

### Dimensions

|            |          |                              |
|------------|----------|------------------------------|
| $r_{\min}$ | 1 mm     | Minimum chamfer dimension    |
| $D_1$      | 44,06 mm | Shoulder diameter outer ring |
| $D_2$      | 46,01 mm | Caliber diameter outer ring  |
| $d_1$      | 32,94 mm | Shoulder diameter inner ring |
| $d_2$      | 31,61 mm | Caliber diameter inner ring  |

### Temperature range

|            |        |                            |
|------------|--------|----------------------------|
| $T_{\min}$ | -20 °C | Operating temperature min. |
| $T_{\max}$ | 100 °C | Operating temperature max. |

### Calculation factors

|       |      |                    |
|-------|------|--------------------|
| $f_0$ | 13,8 | Calculation factor |
|-------|------|--------------------|

### Characteristics

|   |  |
|---|--|
|  | Radial load                                    |
|  | Axial load in one direction                    |
|  | Axial load in two directions                   |
|  | Lifetime lubrication, freedom from maintenance |
|  | Grease Lubrication                             |
|  | Sealed on both sides                           |