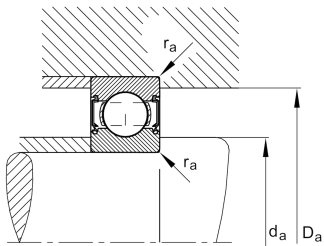
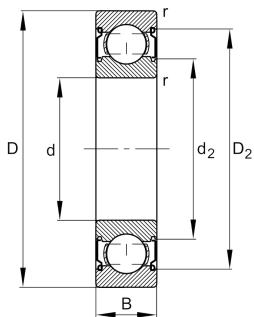


**FAG****6205-C-2Z-L069>V** 

Deep groove ball bearing

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

## Technical information



## Your current product variant

|                                  |              |                                                                     |
|----------------------------------|--------------|---------------------------------------------------------------------|
| Changed internal design          | C            | GenerationC                                                         |
| Type of Seal                     | 2Z           | Non-contact shield 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                        | L069         | Low noise high-temperature grease, interchangeable with grease L207 |
| Radial internal clearance        | CN (Group N) | Normal internal clearance                                           |
| Bore type                        | Z            | Cylindrical                                                         |
| Version code                     | >V           | Not marked on bearing                                               |

## Main Dimensions &amp; Performance Data

|                 |              |                                   |
|-----------------|--------------|-----------------------------------|
| d               | 25 mm        | Bore diameter                     |
| D               | 52 mm        | Outside diameter                  |
| B               | 15 mm        | Width                             |
| C <sub>r</sub>  | 15.900 N     | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 7.800 N      | Basic static load rating, radial  |
| C <sub>ur</sub> | 530 N        | Fatigue load limit, radial        |
| n <sub>G</sub>  | 18.400 1/min | Limiting speed                    |
| n <sub>gr</sub> | 16.000 1/min | Reference speed                   |
| ≈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

|            |        |                            |
|------------|--------|----------------------------|
| $T_{\min}$ | -30 °C | Operating temperature min. |
| $T_{\max}$ | 120 °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                           |