

**FAG****6008-2RSR**

Deep groove ball bearing

Deep groove ball bearing 60..-2RSR, single row, seals, steel sheet metal cage

## Technical information

**Your current product variant**

|                                  |              |   |
|----------------------------------|--------------|---|
| Sealing                          | 2RSR         | Contact seal on both sides              |
| Cage                             | JN           | Steel sheet metal                       |
| Tolerance class                  | PN           | Normal (ISO 492:2023)                   |
| Dimensional / heat stabilization | SN           | Rings dimensional stabilized up to 120° |
| Lubricant                        | GA13         | Ball bearing and insert bearing grease  |
| Radial internal clearance        | CN (Group N) | Normal internal clearance               |
| Bore type                        | Z            | Cylindrical                             |

**Main Dimensions & Performance Data**

|          |             |                                   |
|----------|-------------|-----------------------------------|
| d        | 40 mm       | Bore diameter                     |
| D        | 68 mm       | Outside diameter                  |
| B        | 15 mm       | Width                             |
| $C_r$    | 17.800 N    | Basic dynamic load rating, radial |
| $C_{0r}$ | 11.500 N    | Basic static load rating, radial  |
| $C_{ur}$ | 600 N       | Fatigue load limit, radial        |
| $n_G$    | 5.400 1/min | Limiting speed                    |
| $m$      | 0,189 kg    | Weight                            |

**Mounting dimensions**

|              |         |                                      |
|--------------|---------|--------------------------------------|
| $d_{a \min}$ | 44,6 mm | Minimum diameter shaft shoulder      |
| $D_{a \max}$ | 63,4 mm | Maximum diameter of housing shoulder |
| $r_{a \max}$ | 1 mm    | Maximum fillet radius                |



## Dimensions

|            |          |                              |
|------------|----------|------------------------------|
| $r_{\min}$ | 1 mm     | Minimum chamfer dimension    |
| $D_1$      | 59,06 mm | Shoulder diameter outer ring |
| $D_2$      | 61,56 mm | Caliber diameter outer ring  |
| $d_1$      | 49,3 mm  | Shoulder diameter inner ring |

## Temperature range

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

## Calculation factors

|       |      |                    |
|-------|------|--------------------|
| $f_0$ | 15,2 | 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