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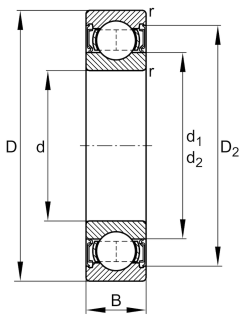
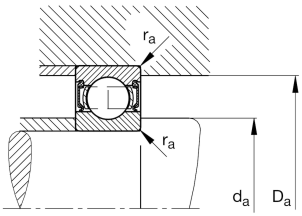
# S61805-2RSR>N

Deep groove ball bearing

Deep groove ball bearing S618..-2RSR, corrosion-resistant materials, single row, seals, steel sheet metal cage

## Technical information




### Your current product variant

| | | |
|---|---|---|
| Version code | >N | Not marked on bearing |
| Material Bearing | S | Stainless steel |
| Sealing | 2RSR | Contact seal on both sides |
| Cage | JN | Steel sheet metal |
| Tolerance class | PN | Normal (PN) |
| Dimensional / heat stabilization | SN | Rings dimensional stabilized up to 120° |
| Lubricant | Lubricating grease | |
| Radial internal clearance | CN (Group N) | Normal internal clearance |
| Bore type | Z | Cylindrical |

### Main Dimensions & Performance Data

| | | |
|---|---|---|
| d | 25 mm | Bore diameter |
| D | 37 mm | Outside diameter |
| B | 7 mm | Width |
| $C_r$ | 4.100 N | Basic dynamic load rating, radial |
| $C_{0r}$ | 2.800 N | Basic static load rating, radial |
| $C_{ur}$ | 168 N | Fatigue load limit, radial |
| $n_G$ | 9.300 1/min | Limiting speed |
| ≈m | 24 g | Weight |

The data sheet only contains an overview of the technical data of the selected product. Please refer to the additional documentation for this product. For further information, please use the following link on our website: Contact form

## Mounting dimensions

| | | |
|---|---|---|
| $d_{a\ min}$ | 27 mm | Minimum diameter shaft shoulder |
| $D_{a\ max}$ | 35 mm | Maximum diameter of housing shoulder |
| $r_{a\ max}$ | 0,3 mm | Maximum fillet radius |

## Dimensions

| | | |
|---|---|---|
| $r_{min}$ | 0,3 mm | Minimum chamfer dimension |
| $D_1$ | 33,2 mm | Shoulder diameter outer ring |
| $D_2$ | 34,4 mm | Caliber diameter outer ring |
| $d_1$ | 28,8 mm | Shoulder diameter inner ring |

## Temperature range

| | | |
|---|---|---|
| $T_{min}$ | -30 °C | Operating temperature min. |
| $T_{max}$ | 100 °C | Operating temperature max. |

## Calculation factors

| | | |
|---|---|---|
| $f_0$ | 16,3 | 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
- Protected against rust

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