

**FAG****S6210-2RSR-FD>N**

Deep groove ball bearing

Deep groove ball bearing S62...-2RSR-FD, corrosion-resistant materials, for Food industry, 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 (ISO 492:2023) |
| Dimensional / heat stabilization | SN | Rings dimensional stabilized up to 120° |
| Lubricant | FD | Grease with food application approval to NSF H1 |
| Radial internal clearance | CN (Group N) | Normal internal clearance |
| Bore type | Z | Cylindrical |

Main Dimensions & Performance Data

| | | |
|-------------|-------------|-----------------------------------|
| d | 50 mm | Bore diameter |
| D | 90 mm | Outside diameter |
| B | 20 mm | Width |
| C_r | 37.500 N | Basic dynamic load rating, radial |
| C_{0r} | 23.200 N | Basic static load rating, radial |
| C_{ur} | 1.440 N | Fatigue load limit, radial |
| n_G | 4.300 1/min | Limiting speed |
| $\approx m$ | 0,457 kg | Weight |



Mounting dimensions

| | | |
|--------------|--------|--------------------------------------|
| $d_{a \min}$ | 57 mm | Minimum diameter shaft shoulder |
| $D_{a \max}$ | 83 mm | Maximum diameter of housing shoulder |
| $r_{a \max}$ | 1,1 mm | Maximum fillet radius |

Dimensions

| | | |
|------------|---------|------------------------------|
| r_{\min} | 1,1 mm | Minimum chamfer dimension |
| D_1 | 77,6 mm | Shoulder diameter outer ring |
| D_2 | 80,1 mm | Caliber diameter outer ring |
| d_1 | 62,4 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 | 14,4 | 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