

**FAG****6211-2RSR-L100-C3**

Deep groove ball bearing

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

Technical information

**Your current product variant**

| | | |
|----------------------------------|--------------|---|
| Type of Seal | 2RSR | Contact seal on both sides |
| Cage | JN | Steel sheet metal |
| Tolerance class | PN | Normal (PN) |
| Dimensional / heat stabilization | S0 | Rings dimensional stabilized up to 150° |
| Lubricant | L100 | Grease (L100/customer specific) |
| Radial internal clearance | C3 (Group 3) | Internal clearance larger than CN |
| Bore type | Z | Cylindrical |

Main Dimensions & Performance Data

| | | |
|----------|-------------|-----------------------------------|
| d | 55 mm | Bore diameter |
| D | 100 mm | Outside diameter |
| B | 21 mm | Width |
| C_r | 46.000 N | Basic dynamic load rating, radial |
| C_{0r} | 29.000 N | Basic static load rating, radial |
| C_{ur} | 1.770 N | Fatigue load limit, radial |
| n_G | 3.900 1/min | Limiting speed |
| m | 0,62 kg | Weight |

Mounting dimensions

| | | |
|--------------|--------|--------------------------------------|
| $d_{a \min}$ | 64 mm | Minimum diameter shaft shoulder |
| $D_{a \max}$ | 91 mm | Maximum diameter of housing shoulder |
| $r_{a \max}$ | 1,5 mm | Maximum fillet radius |



Dimensions

| | | |
|------------|----------|------------------------------|
| r_{\min} | 1,5 mm | Minimum chamfer dimension |
| D_1 | 86,16 mm | Shoulder diameter outer ring |
| D_2 | 88,2 mm | Caliber diameter outer ring |
| d_1 | 68,65 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 | 14,2 | 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