

**FAG****6011-2RSR-L038-C3**

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 (PN) |
| Dimensional / heat stabilization | SN | Rings dimensional stabilized up to 120° |
| Lubricant | L038 | Grease (L038/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 | 90 mm | Outside diameter |
| B | 18 mm | Width |
| C_r | 30.000 N | Basic dynamic load rating, radial |
| C_{0r} | 21.200 N | Basic static load rating, radial |
| C_{ur} | 1.150 N | Fatigue load limit, radial |
| n_G | 4.050 1/min | Limiting speed |
| m | 0,385 kg | Weight |

Mounting dimensions

| | | |
|--------------|-------|--------------------------------------|
| $d_{a \min}$ | 61 mm | Minimum diameter shaft shoulder |
| $D_{a \max}$ | 84 mm | Maximum diameter of housing shoulder |
| $r_{a \max}$ | 1 mm | Maximum fillet radius |



Dimensions

| | | |
|------------|----------|------------------------------|
| r_{\min} | 1,1 mm | Minimum chamfer dimension |
| D_1 | 78,86 mm | Shoulder diameter outer ring |
| D_2 | 81,54 mm | Caliber diameter outer ring |
| d_1 | 66,2 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 | 15,3 | 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