

**FAG****61815-2RSR-C3**

Deep groove ball bearing

Deep groove ball bearing 618..-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 | S0 | Rings dimensional stabilized up to 150° |
| Lubricant | GA13 | Ball bearing and insert bearing grease |
| Radial internal clearance | C3 (Group 3) | Internal clearance larger than CN |
| Bore type | Z | Cylindrical |

Main Dimensions & Performance Data

| | | |
|----------|-------------|-----------------------------------|
| d | 75 mm | Bore diameter |
| D | 95 mm | Outside diameter |
| B | 10 mm | Width |
| C_r | 13.700 N | Basic dynamic load rating, radial |
| C_{0r} | 13.400 N | Basic static load rating, radial |
| C_{ur} | 890 N | Fatigue load limit, radial |
| n_G | 3.300 1/min | Limiting speed |
| m | 0,148 kg | Weight |

Mounting dimensions

| | | |
|--------------|---------|--------------------------------------|
| $d_{a \min}$ | 78,2 mm | Minimum diameter shaft shoulder |
| $D_{a \max}$ | 91,8 mm | Maximum diameter of housing shoulder |
| $r_{a \max}$ | 0,6 mm | Maximum fillet radius |



Dimensions

| | | |
|------------|----------|------------------------------|
| r_{\min} | 0,6 mm | Minimum chamfer dimension |
| D_1 | 88,57 mm | Shoulder diameter outer ring |
| D_2 | 90,5 mm | Caliber diameter outer ring |
| d_1 | 81,6 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 | 16,1 | 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