

**FAG****6208-2RSR-L138-C3**

Deep groove ball bearing

Deep groove ball bearing 62...-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 (ISO 492:2023) |
| Dimensional / heat stabilization | SN | Rings dimensional stabilized up to 120° |
| Lubricant | L138 | Grease (L138/customer specific) |
| Radial internal clearance | C3 (Group 3) | Internal clearance larger than CN |
| Bore type | Z | Cylindrical |

Main Dimensions & Performance Data

| | | |
|-----------------|-------------|-----------------------------------|
| d | 40 mm | Bore diameter |
| D | 80 mm | Outside diameter |
| B | 18 mm | Width |
| C _r | 31.000 N | Basic dynamic load rating, radial |
| C _{0r} | 17.800 N | Basic static load rating, radial |
| C _{ur} | 1.080 N | Fatigue load limit, radial |
| n _G | 5.000 1/min | Limiting speed |
| ≈m | 380,16 g | Weight |

Mounting dimensions

| | | |
|--------------------|-------|--------------------------------------|
| d _{a min} | 47 mm | Minimum diameter shaft shoulder |
| D _{a max} | 73 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 | 67,6 mm | Shoulder diameter outer ring |
| D_2 | 70,36 mm | Caliber diameter outer ring |
| d_1 | 52,95 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 | 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