

**FAG****62201-A-2RSR-C3**

Deep groove ball bearing

Deep groove ball bearing 622...-A-2RSR,
single row, steel sheet metal cage

Technical information

**Your current product variant**

| | | |
|----------------------------------|--------------------|---|
| Changed internal design | A | Design variant A |
| 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 | Lubricating grease | |
| Radial internal clearance | C3 (Group 3) | Internal clearance larger than CN |
| Bore type | Z | Cylindrical |

Main Dimensions & Performance Data

| | | |
|-----------------|--------------|-----------------------------------|
| d | 12 mm | Bore diameter |
| D | 32 mm | Outside diameter |
| B | 14 mm | Width |
| C _r | 7,200 N | Basic dynamic load rating, radial |
| C _{0r} | 3,100 N | Basic static load rating, radial |
| C _{ur} | 243 N | Fatigue load limit, radial |
| n _G | 14,700 1/min | Limiting speed |
| ≈m | 0.049 kg | Weight |



Mounting dimensions

| | | |
|--------------|---------|--------------------------------------|
| $d_{a \min}$ | 16.2 mm | Minimum diameter shaft shoulder |
| $D_{a \max}$ | 27.8 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 | 26.11 mm | Shoulder diameter outer ring |
| D_2 | 27.93 mm | Caliber diameter outer ring |
| d_1 | 18.25 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 | 12.3 | 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