

**FAG****62205-A-2RSR**

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 | CN (Group N) | Normal internal clearance |
| Bore type | Z | Cylindrical |

Main Dimensions & Performance Data

| | | |
|-----------------|-------------|-----------------------------------|
| d | 25 mm | Bore diameter |
| D | 52 mm | Outside diameter |
| B | 18 mm | Width |
| C _r | 14,900 N | Basic dynamic load rating, radial |
| C _{0r} | 7,900 N | Basic static load rating, radial |
| C _{ur} | 540 N | Fatigue load limit, radial |
| n _G | 7,900 1/min | Limiting speed |
| ≈m | 0.154 kg | Weight |



Mounting dimensions

| | | |
|--------------|---------|--------------------------------------|
| $d_{a \min}$ | 30.6 mm | Minimum diameter shaft shoulder |
| $D_{a \max}$ | 46.4 mm | Maximum diameter of housing shoulder |
| $r_{a \max}$ | 1 mm | Maximum fillet radius |

Dimensions

| | | |
|------------|----------|------------------------------|
| r_{\min} | 1 mm | Minimum chamfer dimension |
| D_1 | 44.05 mm | Shoulder diameter outer ring |
| D_2 | 46.3 mm | Caliber diameter outer ring |
| d_1 | 33.95 mm | Shoulder diameter inner ring |
| d_2 | 31.8 mm | Caliber diameter inner ring |

Temperature range

| | | |
|------------|--------|----------------------------|
| T_{\min} | -20 °C | Operating temperature min. |
| T_{\max} | 100 °C | Operating temperature max. |

Calculation factors

| | | |
|-------|------|--------------------|
| f_0 | 13.9 | 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 |