



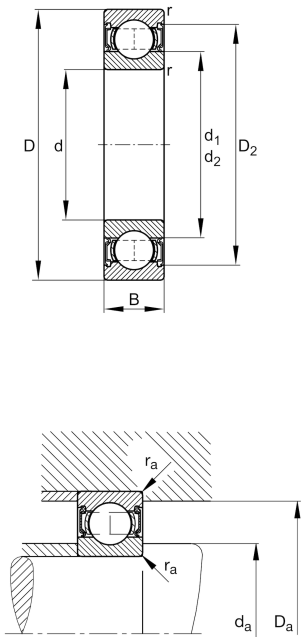
FAG

62305-A-2RSR-C3

Deep groove ball bearing

Deep groove ball bearing 623..-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 (PN) |
| 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 | 25 mm | Bore diameter |
| D | 62 mm | Outside diameter |
| B | 24 mm | Width |
| C _r | 23,620 N | Basic dynamic load rating, radial |
| C _{0r} | 12,130 N | Basic static load rating, radial |
| C _{ur} | 840 N | Fatigue load limit, radial |
| n _G | 7,300 1/min | Limiting speed |
| ≈m | 0.316 kg | Weight |



Mounting dimensions

| | | |
|---------|-------|--------------------------------------|
| d a min | 32 mm | Minimum diameter shaft shoulder |
| D a max | 55 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 | 50.51 mm | Shoulder diameter outer ring |
| D 2 | 52.75 mm | Caliber diameter outer ring |
| d 1 | 36.55 mm | Shoulder diameter inner ring |
| d 2 | 33.6 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 | 12.2 | 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 |