

# Deep groove ball bearing single row ND200-AR0-RBC - ND200-AR0-RBC

<https://www.123bearing.co.uk/bearing-housing/deep-groove-bearing/single-row/nd200-ar0-rbc>

**ANGULAR CONTACT, A-TYPE**  
**THIN SECTION BALL BEARINGS**

• S2100 Steel with Thin Dense Chrome Coating  
• Large Diameter  
• Light Weight  
• Small Cross Section  
• Circular Pocket Ball Separator

Series: ND  
Cross Section Size: 1/2"

| Mechanical Type               |  | N |
|-------------------------------|--|---|
| Single                        | S2100 - TSC                                  |   |
| Balls                         | 440C   |   |
| Typical Hardness              | HRC 70 - 72                                  |   |
| Corrosion Resistance Material | Stainless                                    |   |
| Friction Resistance           | Good   |   |
| Sealing Resistance            | Very Good                                    |   |
| Preservation                  | May be supplied with or without preservation |   |

| PART NUMBER* | NOMINAL DIMENSIONS |                    |         |                           |                           |                             |                               |                       |                 |         |        |        |        |      |     |
|--------------|--------------------|--------------------|---------|---------------------------|---------------------------|-----------------------------|-------------------------------|-----------------------|-----------------|---------|--------|--------|--------|------|-----|
|              | B Bore             | D Outside Diameter | B Width | L <sub>1</sub> Inner Ring | L <sub>2</sub> Outer Ring | L <sub>3</sub> Counter Bore | r <sub>1</sub> Housing Fillet | r <sub>2</sub> Fillet | d Ball Diameter | n Balls |        |        |        |      |     |
| ND200AR0RBC  | 19.850             | 107.955            | 21.800  | 53.408                    | 0.200                     | 12.700                      | 29.375                        | 37.25                 | 20.625          | 53.408  | 20.700 | 327.00 | 10.000 | 1.00 | 104 |

| Ball Quantity | Approx. Weight | LOAD RATINGS |         |            |         |        |         | Limiting Speed (RPM) |        |     |     |     |     |     |
|---------------|----------------|--------------|---------|------------|---------|--------|---------|----------------------|--------|-----|-----|-----|-----|-----|
|               |                | Radial       |         | Tangential |         | Moment |         |                      |        |     |     |     |     |     |
|               |                | Static       | Dynamic | Static     | Dynamic | Static | Dynamic |                      |        |     |     |     |     |     |
| 104           | 3.85 - 1.746   | 16,193       | 72,029  | 4,506      | 16,283  | 46,740 | 207,619 | 11,000               | 33,020 | N/A | N/A | N/A | N/A | 580 |

## PRODUCT FEATURES

|                  |               |
|------------------|---------------|
| Brand            | RBC           |
| N° Ean13         | 3663952541273 |
| Inside diameter  | 507.995 mm    |
| Outside diameter | 533.408 mm    |
| Thickness        | 12.7 mm       |
| Weight           | 1746 g        |
| Packaging        | 1             |

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