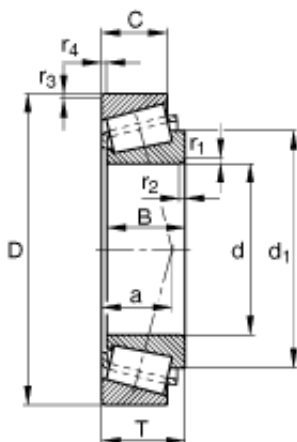




# NTN-SNR RULMENTI S.R.L.



90 mm x 190 mm x 43 mm FAG 31318 A/C  
compressor Angular Contact Ball Bearings

Bearing No. 31318

|                       |                 |
|-----------------------|-----------------|
| Size                  | 90x190x46.5 mm  |
| Bore Diameter         | 90 mm           |
| Outer Diameter        | 190 mm          |
| Width                 | 46,5 mm         |
| d                     | 90 mm           |
| D                     | 190 mm          |
| T                     | 46,5 mm         |
| a                     | 58 mm           |
| B                     | 43 mm           |
| C                     | 30 mm           |
| $C_{a \text{ min}}$   | 6 mm            |
| $C_{b \text{ min}}$   | 16,5 mm         |
| $D_{a \text{ max}}$   | 176 mm          |
| $D_{a \text{ min}}$   | 151 mm          |
| $D_{b \text{ min}}$   | 179 mm          |
| $d_1$                 | 135,9 mm        |
| $d_{a \text{ max}}$   | 109 mm          |
| $d_{b \text{ min}}$   | 104 mm          |
| $r_{1,2 \text{ min}}$ | 4 mm            |
| $r_{3,4 \text{ min}}$ | 3 mm            |
| $r_{a \text{ max}}$   | 4 mm            |
| $r_{b \text{ max}}$   | 3 mm            |
| m                     | 5,5 kg / Weight |
| C                     | 275000 N        |

31318 Bearing 2D drawings and 3D CAD models



## NTN-SNR RULMENTI S.R.L.

|          |   |
|----------|---|
| r        |   |
| $C_{0r}$ | 325000 N / Static load rating<br>(radial) |
| e        | 0,83                                      |
| Y        | 0,73                                      |
| $Y_0$    | 0,4                                       |
| $C_{ur}$ | 35500 N / Fatigue limit load,<br>radial   |
| $n_G$    | 3700 1/min / Limiting speed               |
| $n_B$    | 2850 1/min / Reference<br>speed           |