



## 90 mm x 190 mm x 64 mm NTN 2318S self aligning ball bearings

Bearing No. 2318S

2318S Bearing 2D drawings and 3D CAD models

|                               |              |
|-------------------------------|--------------|
| Size                          | 90x190x64 mm |
| Bore Diameter                 | 90 mm        |
| Outer Diameter                | 190 mm       |
| Width                         | 64 mm        |
| d                             | 90 mm        |
| D                             | 190 mm       |
| B                             | 64 mm        |
| C                             | 64 mm        |
| r min.                        | 3 mm         |
| da min.                       | 103 mm       |
| Da max.                       | 177 mm       |
| ra max.                       | 2,5 mm       |
| Weight                        | 7,76 Kg      |
| Basic dynamic load rating (C) | 154 kN       |
| Basic static load rating (C0) | 57,5 kN      |
| (Grease) Lubrication Speed    | 2 800 r/min  |
| (Oil) Lubrication Speed       | 3 600 r/min  |
| Calculation factor (e)        | 0,38         |
| Calculation factor (Y0)       | 1,7          |
| Calculation factor (Y1)       | 1,7          |
| rs min                        | 3 mm         |
| e                             | 0.38         |
| Y1                            | 1.7          |
| Y2                            | 2.6          |
| Y0                            | 1.7          |

## SIGMA BEARINGS AUSTRALIA CO.,LTD.

|                                    |           |
|------------------------------------|-----------|
| Radial clearance class             | CN        |
| Precision class                    | P0        |
| Mass                               | 7.76 kg   |
| Dynamic load, C                    | 154 kN    |
| Static load, C0                    | 57.5 kN   |
| Nlim (oil)                         | 3,600 rpm |
| Nlim (grease)                      | 2,800 rpm |
| Min operating temperature,<br>Tmin | -20 ° C   |
| Max operating temperature,<br>Tmax | 120 ° C   |
| da min                             | 103 mm    |
| Da max                             | 177 mm    |
| ra max                             | 2.5 mm    |