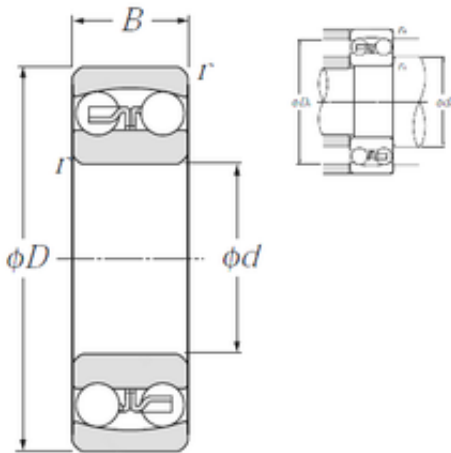




# NTN BEARING-Philippines LTD



## 95 mm x 170 mm x 43 mm NTN 2219S self aligning ball bearings

Bearing No. 2219S

2219S Bearing 2D drawings and 3D CAD models

|                               |              |
|-------------------------------|--------------|
| Size                          | 95x170x43 mm |
| Bore Diameter                 | 95 mm        |
| Outer Diameter                | 170 mm       |
| Width                         | 43 mm        |
| d                             | 95 mm        |
| D                             | 170 mm       |
| B                             | 43 mm        |
| C                             | 43 mm        |
| r min.                        | 2,1 mm       |
| da min.                       | 106 mm       |
| Da max.                       | 159 mm       |
| ra max.                       | 2 mm         |
| Weight                        | 3,87 Kg      |
| Basic dynamic load rating (C) | 84 kN        |
| Basic static load rating (C0) | 34,5 kN      |
| (Grease) Lubrication Speed    | 3 400 r/min  |
| (Oil) Lubrication Speed       | 4 000 r/min  |
| Calculation factor (e)        | 0,27         |
| Calculation factor (Y0)       | 2,5          |
| Calculation factor (Y1)       | 2,4          |
| rs min                        | 2.1 mm       |
| e                             | 0.27         |
| Y1                            | 2.4          |
| Y2                            | 3.7          |
| Y0                            | 2.5          |



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|                                    |           |
|------------------------------------|-----------|
| Radial clearance class             | CN        |
| Precision class                    | P0        |
| Mass                               | 3.87 kg   |
| Dynamic load, C                    | 84 kN     |
| Static load, C0                    | 34.5 kN   |
| Nlim (oil)                         | 4,000 rpm |
| Nlim (grease)                      | 3,400 rpm |
| Min operating temperature,<br>Tmin | -20 ° C   |
| Max operating temperature,<br>Tmax | 120 ° C   |
| da min                             | 106 mm    |
| Da max                             | 159 mm    |
| ra max                             | 2 mm      |