



## BEARING de Mexico?S.A.



45 mm x 85 mm x 19 mm NTN 1209S Self-aligned ball bearings

Bearing No. 1209S

1209S Bearing 2D drawings and 3D CAD models

|                               |             |
|-------------------------------|-------------|
| Size                          | 45x85x19 mm |
| Bore Diameter                 | 45 mm       |
| Outer Diameter                | 85 mm       |
| Width                         | 19 mm       |
| d                             | 45 mm       |
| D                             | 85 mm       |
| B                             | 19 mm       |
| C                             | 19 mm       |
| r min.                        | 1,1 mm      |
| da min.                       | 51,5 mm     |
| Da max.                       | 78,5 mm     |
| ra max.                       | 1 mm        |
| Weight                        | 0,465 Kg    |
| Basic dynamic load rating (C) | 22 kN       |
| Basic static load rating (C0) | 7,35 kN     |
| (Grease) Lubrication Speed    | 7 100 r/min |
| (Oil) Lubrication Speed       | 8 500 r/min |
| Calculation factor (e)        | 0,21        |
| Calculation factor (Y0)       | 3,1         |
| Calculation factor (Y1)       | 3           |
| rs min                        | 1.1 mm      |
| e                             | 0.21        |
| Y1                            | 3           |
| Y2                            | 4.7         |
| Y0                            | 3.1         |



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|                                    |           |
|------------------------------------|-----------|
| Radial clearance class             | CN        |
| Precision class                    | P0        |
| Mass                               | 0.46 kg   |
| Dynamic load, C                    | 22 kN     |
| Static load, C0                    | 7.35 kN   |
| Nlim (oil)                         | 8,500 rpm |
| Nlim (grease)                      | 7,100 rpm |
| Min operating temperature,<br>Tmin | -20 ° C   |
| Max operating temperature,<br>Tmax | 120 ° C   |
| da min                             | 51.5 mm   |
| Da max                             | 78.5 mm   |
| ra max                             | 1 mm      |