


**NTN BEARING CORPORATION OF AMERICA**

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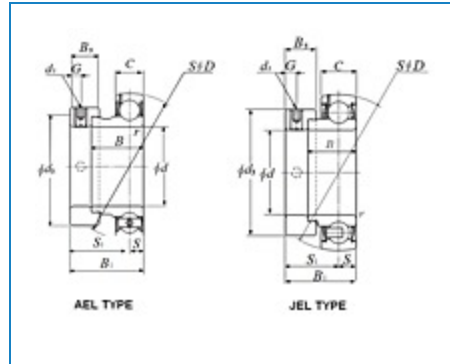
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# Item # AEL205D1, Bearing Insert w/ Eccentric Locking Collar, Narrow Inner Ring - Spherical O.D.



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## Technical Specifications

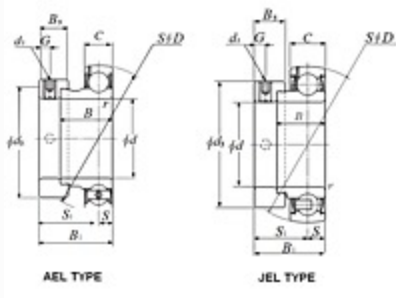
Type

Insert Bearing

|                             |                                 |
|-----------------------------|---------------------------------|
| Bore Type                   | Round                           |
| Bearing Type                | Ball Bearing                    |
| Material                    | Through Hardened Steel          |
| Ball Material               | Steel                           |
| Limiting Speed - Grease     | 5900 RPM                        |
| Seal Type                   | Contact                         |
| Seal Material               | Nitrile Rubber                  |
| Performance                 | Standard Duty                   |
| Configuration               | One                             |
| Locking Device              | Eccentric Locking Collar        |
| Collar Number               | EL205                           |
| Basic Outer Ring            | 205                             |
| Radial Internal Clearance   | CN                              |
| Static Load Rating          | 1765 lbf<br>7850 N<br>7.85 kN   |
| Dynamic Load Rating         | 3147 lbf<br>14000 N<br>14.00 kN |
| Enclosure                   | Double Sealed                   |
| Weight                      | 0.421 lb<br>0.930 kg            |
| Operating Temperature Range | -40 to 250 °F<br>-40 to 120 °C  |

Dimensional Specifications





Bearing Insert w/ Eccentric Locking Collar, Narrow Inner Ring - Spherical O.D. - Dimensions

|           |                         |
|-----------|-------------------------|
| <b>d</b>  | 31/32 in<br>25.000 mm   |
| <b>D</b>  | 2.0470 in<br>52.000 mm  |
| <b>C</b>  | 0.5512 in<br>14.000 mm  |
| <b>B</b>  | 0.5512 in<br>14.000 mm  |
| <b>B1</b> | 1.2205 in<br>31.000 mm  |
| <b>r</b>  | 0.0394 in<br>1.000 mm   |
| <b>ds</b> | M6x0.75                 |
| <b>G</b>  | 0.18900 in<br>4.800 mm  |
| <b>d3</b> | 1.49610 in<br>38.000 mm |
| <b>B5</b> | 0.53150 in<br>13.500 mm |
| <b>S1</b> | 0.92520 in<br>23.500 mm |
| <b>S</b>  | 0.29530 in<br>7.500 mm  |

|                                   |                     |
|-----------------------------------|---------------------|
| <b>Radial Dynamic Load Rating</b> | 3147 lbf<br>14000 N |
|-----------------------------------|---------------------|

|                                  |                    |
|----------------------------------|--------------------|
| <b>Radial Static Load Rating</b> | 1765 lbf<br>7850 N |
|----------------------------------|--------------------|