


**NTN BEARING CORPORATION OF AMERICA**

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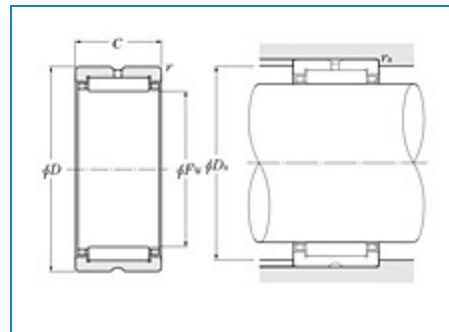
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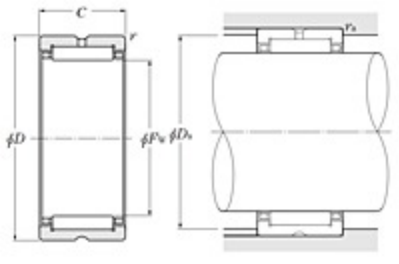
## Item # RNA4903R, Machined-Ring Needle Roller Bearing w/o Inner Ring - RNA49.R, RNA59, RNA69.R, NK.R, MR Series


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**Technical Specifications**

|             |                       |
|-------------|-----------------------|
| Type        | Needle Roller Bearing |
| Roller Type | Needle                |

|                             |                                 |
|-----------------------------|---------------------------------|
| Configuration               | One                             |
| Material                    | High Carbon Chrome Steel        |
| Cage Material               | Steel                           |
| Limiting Speed - Oil        | 18000 RPM                       |
| Limiting Speed - Grease     | 12000 RPM                       |
| Precision                   | ISO Class 0                     |
| Enclosure                   | Open                            |
| Static Load Rating          | 3300 lbf<br>14600 N<br>14.60 kN |
| Dynamic Load Rating         | 2520 lbf<br>11200 N<br>11.20 kN |
| Weight                      | 0.049 lb<br>0.022 kg            |
| Operating Temperature Range | -40 to 250 °F<br>-40 to 120 °C  |

Dimensional Specifications



Machined-Ring Needle Roller Bearing w/o Inner Ring - RNA49.R, RNA59, RNA69.R, NK.R, MR Series - Dimensions

|              |                        |
|--------------|------------------------|
| Fw           | 0.8661 in<br>22.000 mm |
| Fw Tolerance | 0.033/0.020 mm         |

|                |                        |
|----------------|------------------------|
| <b>D</b>       | 1.1811 in<br>30.000 mm |
| <b>C</b>       | 0.5118 in<br>13.000 mm |
| <b>r</b>       | 0.0118 in<br>0.300 mm  |
| <b>Da max</b>  | 1.1024 in<br>28.000 mm |
| <b>ras max</b> | 0.0118 in<br>0.300 mm  |