9.3 R1 Rotating Nut

- **Application:**
  Semi-conductor industries, Robots, Wood machines, Laser cutting machines, Transporting equipment.

- **Features:**
  1. **Compact and high positioning:**
     It is a compact design using nut and support bearing as an integral unit. 45-degree steel ball contact angle make a better axial load. Zero backlash and higher stiffness construction give a high positioning.

  2. **Simple installation:**
     It is installed simply by fixing the nut on the housing with bolts.

  3. **Rapid feed:**
     No inertial effect produced by the integral unit rotating and the shaft fixed. Can select smaller power to meet the rapid feed requirement.

  4. **Stiffness:**
     Have a higher trust and moment stiffness, because the integral unit have an angular contact construction. There is no backlash while rolling.

  5. **Quietness:**
     Special end cap design allows steel balls circulating inside the nut. Noise generated by high speed operation lower than ordinary ballscrew.

- **Specification:**
  Example: 2R40-40S2-DFSHR1-800-1000-0.018
  ↓
  **HIWIN** R1 code

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**R1 ROTATING NUT**

China Patent No. 422327
Germany Patent No. 1010647.4
Taiwan Patent No.166845
U.S.A. Patent No. 6406188B1

<table>
<thead>
<tr>
<th>Model</th>
<th>Bearing Nut Flange Bolt Bush Oil hole</th>
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<td>Dynamic Load(kgf)</td>
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