FULRIDE™ is a roller type linear motion slide that can achieve higher load capacity. FULRIDE™ uses NSK CROXY™ thrust angular contact ball bearings.

**Product Features**
- Linear motion product featuring thrust angular contact ball bearings
- Rail: Aluminum and heat treated stainless steel
- Bearing: NSK CROXY™ thrust angular contact ball bearings
- Slider: Stainless steel
- Integrated hard stops
- Applicable for belt-type actuators

**Product Benefits**
- Low noise
- Higher load capacity
- Smooth motion
- Low cost solution

**Standard Dimensions**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Rail Length (mm)</th>
<th>Stroke (mm)</th>
<th>No. of Mounting Holes</th>
</tr>
</thead>
<tbody>
<tr>
<td>40SW 0200S</td>
<td>200</td>
<td>100</td>
<td>3</td>
</tr>
<tr>
<td>40SW 0360S</td>
<td>360</td>
<td>260</td>
<td>5</td>
</tr>
<tr>
<td>40SW 0520S</td>
<td>520</td>
<td>420</td>
<td>7</td>
</tr>
<tr>
<td>40SW 0680S</td>
<td>680</td>
<td>580</td>
<td>9</td>
</tr>
<tr>
<td>40SW 0840S</td>
<td>840</td>
<td>740</td>
<td>11</td>
</tr>
<tr>
<td>40SW 1000S</td>
<td>1000</td>
<td>900</td>
<td>13</td>
</tr>
</tbody>
</table>

**Condition Description:**
- High axial loads
- Low cost

**Applications:**
- Medical
- Food & Beverage
- Factory Automation

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**NSK Precision America, Inc.**
**www.nskprecision.com**
**3450 Bearing Dr.**
**Franklin, IN 46131**
**1-800-255-4773**
Running Accuracy

Conditions: Room temperature, Avg. speed 0.2 m/s, Load 200 N, Stroke 0.3 m

Startling friction force: 0.3 N

No wear damage after 1,000 km running test.

Specifications

<table>
<thead>
<tr>
<th>Parts</th>
<th>Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rail Base</td>
<td>Aluminum</td>
</tr>
<tr>
<td>Rail Shaft</td>
<td>SUS420J2 (Heat-treated)</td>
</tr>
<tr>
<td>Slider</td>
<td>SUS430</td>
</tr>
<tr>
<td>Roller</td>
<td>13Cr stainless (Heat-treated)</td>
</tr>
<tr>
<td>Bearing</td>
<td>CROXY</td>
</tr>
<tr>
<td>Stopper</td>
<td>POM</td>
</tr>
</tbody>
</table>

Load and Displacement

Starting friction force: 0.3 N

Basic Load Ratings

<table>
<thead>
<tr>
<th>Static (N)</th>
<th>Static Moment (N-M)</th>
</tr>
</thead>
<tbody>
<tr>
<td>C₀</td>
<td>M₀,₀</td>
</tr>
<tr>
<td>400</td>
<td>4.4</td>
</tr>
</tbody>
</table>

Load and Displacement

Load: Displacement

Displacement (µm)

Load (N)

0 60 120 180 240 300 360

0 20 40 60 80 100

Starting friction force: 0.3 N

4-M 3 disk counterbore

Fulride™ design allows for a drive belt to be positioned below the slider.

Size

Running Test

Conditions: Room temperature, Avg. speed 0.2 m/s, Load 200 N, Stroke 0.3 m

Starting friction force: 0.3 N

www.nskamericas.com

Think NSK.