### Single Axis Actuator LX

#### Load Ratings / Allowable Moment List

<table>
<thead>
<tr>
<th>Stroke</th>
<th>Type</th>
<th>Load Ratings in the Axial Direction</th>
<th>Black</th>
<th>Rail Length L (mm)</th>
<th>Rail</th>
<th>Ball Screw</th>
<th>Bearing (Thread Type)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Low P</td>
<td>25.0</td>
<td>35.0</td>
<td>45.0</td>
<td>55.0</td>
<td>65.0</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Med P</td>
<td>30.0</td>
<td>40.0</td>
<td>50.0</td>
<td>60.0</td>
<td>70.0</td>
</tr>
<tr>
<td></td>
<td></td>
<td>High P</td>
<td>35.0</td>
<td>55.0</td>
<td>75.0</td>
<td>95.0</td>
<td>115.0</td>
</tr>
</tbody>
</table>

#### Rail Rigidity

Moment loads can be applied in all three directions.

#### Allowable Moment

Moment loads can be applied in all three directions.

- **Single Block Type**
- **Double Block Type**

#### Rail Rigidity

- **Material**
  - Stainless Steel
  - Carbon Steel
  - SCDM Material
  - Aluminum Alloy
  - S12/12 Aluminum Alloy
  - S12/14 Aluminum Alloy
  - HDR014 Aluminum Alloy

#### Load Directions

**Radial Load**
- Equal basic load rating in all directions: radial, reverse radial and lateral directions.
- For values refer to the "Load Rating" in the table below.

**Ball Screw**
- Ball screw nut needs to be applied to precision (ground) ball screw. Integrating structure of the block and ball screw nut allows axial loads to be applied.
- For basic load rating in axial direction, please see "Load Rating" table below.

**Bearings (Fixed side)**
- Angular bearings are integrated in the motor bracket allowing loads in the axial direction to be applied. For values of the basic load rating in the axial direction refer to the "Load Rating" in the table below.

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There's more on the web: misumiusa.com

Check out misumiusa.com for the most current pricing and lead time.

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