E-Series - Stainless Steel Screw Jack

10kN Translating

**Model**

**EMT0010-V00**

- **Capacity (kN)**: 10
- **Lifting Screw**
  - Standard 316 Worm Shaft: Tension 6.6, Compression 10
  - Duplex Lifting Screw: Tension 6.6, Compression 10

**Model**

**EMT0010-J00**

- **Capacity (kN)**: 10
- **Lifting Screw**
  - Standard 316 Worm Shaft: Tension 6.6, Compression 10
  - Duplex Lifting Screw: Tension 6.6, Compression 10

**Operating Capacity (kN)**

- **Standard 316 Worm Shaft**
  - Tension 6.6
  - Compression 10

- **Duplex or Plated Worm Shaft with 316 Screw**
  - Tension 6.6
  - Compression 10

- **Duplex or Plated Worm Shaft with Duplex Screw**
  - Tension 6.6
  - Compression 10

**Lifting Screw**

- **Diameter (mm)**: 20
- **Lead Option**
  - 1, 5
  - 2, 10

**Gear Ratio**

- **Option 1**
  - Gear Ratio 5.1
  - Screw Jack Static Efficiency 0.233
  - Screw Jack Dynamic Efficiency 0.339

- **Option 2**
  - Gear Ratio 20.1
  - Screw Jack Static Efficiency 0.130
  - Screw Jack Dynamic Efficiency 0.194

**Performance**

- **Closed Height**
  - Upright
  - Inverted

- **Maximum Through Torque (Nm)**: 20
- **Lifting Screw Restraining Torque (Nm)**: 22, 30
- **Worm Shaft Maximum Radial Load (N)**: 325
- **Maximum Input Speed (rpm)**: 1800

- **Gear Case Material**: Stainless Steel
- **Weight (kg)**
  - EMT: 2.36
  - EMR: 2.6
  - EMT: 0.11
  - EMR: 0.05

**Note**: All dimensions in millimetres unless otherwise stated. Designs subject to change without notice.

www.powerjacks.com
E-Series - Stainless Steel Screw Jack

10kN Rotating

Upright EMR0010-V00

Inverted EMR0010-J00

Closing Height & Bellows Boots

<table>
<thead>
<tr>
<th>Closed Height &quot;C&quot;</th>
<th>Threaded End</th>
<th>Top Plate</th>
<th>Clevis End</th>
<th>Fork End</th>
<th>Rod End</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Upright</td>
<td>Inverted</td>
<td>Upright</td>
<td>Inverted</td>
<td>Upright</td>
</tr>
<tr>
<td>EMT0010</td>
<td>125</td>
<td>45</td>
<td>125</td>
<td>45</td>
<td>145</td>
</tr>
<tr>
<td>Stroke (mm)</td>
<td>EMT0010 with Bellows Boots</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0-150</td>
<td>125</td>
<td>75</td>
<td>125</td>
<td>75</td>
<td>145</td>
</tr>
<tr>
<td>151-300</td>
<td>130</td>
<td>95</td>
<td>130</td>
<td>95</td>
<td>150</td>
</tr>
<tr>
<td>301-600</td>
<td>140</td>
<td>95</td>
<td>140</td>
<td>95</td>
<td>160</td>
</tr>
<tr>
<td>751-1000</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
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</table>

Model

EMT0010 30 70 15 15 110

Stroke

<table>
<thead>
<tr>
<th></th>
<th>Upright</th>
<th>151-300</th>
<th>301-600</th>
<th>601-900</th>
<th>901-1050</th>
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</thead>
<tbody>
<tr>
<td>EMT0010</td>
<td>8</td>
<td>20</td>
<td>35</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

Note:

1. Inverted Screw Jacks - Bellows Boot Closed Height assumes screw jack mounted on a structure with thickness = 15mm
2. Inverted Screw Jacks - Recommended bellows boot mounting plate ØB x (E + 5mm) thick.
3. Inverted Screw Jacks - Screw Jack mounting plate & bellows boot mounting plate are customers own supply
4. Control tapes fitted (increase outer diameter by 20mm approximately)
5. For horizontal installations with than 450 mm of stroke, internal boot guides are recommended.
6. Customers with threaded end screw jacks must provide a fixing for the unattached bellows boot collar.

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