## E-Series - Stainless Steel Screw Jack

### 200kN Translating

#### Upright EMT0200-V00

- **Capacity (kN):** 200
- **Operating Capacity (kN):**
  - Standard 316 Worm Shaft: Tension 66, Compression 200
  - Duplex Lifting Screw: Tension 66, Compression 200
- **Lifting Screw Diameter (mm):** 65
- **Gear Ratio Option 1:**
  - Gear Ratio: 8:1
  - Screw Jack Static Efficiency: 0.181
  - Screw Jack Dynamic Efficiency: 0.297
- **Gear Ratio Option 2:**
  - Gear Ratio: 24:1
  - Screw Jack Static Efficiency: 0.116
  - Screw Jack Dynamic Efficiency: 0.178

#### Inverted EMT0200-J00

- **Capacity (kN):** 200
- **Operating Capacity (kN):**
  - Standard 316 Worm Shaft: Tension 66, Compression 200
  - Duplex or Plated Worm Shaft with 316 Screw: Tension 66, Compression 200
- **Lifting Screw Diameter (mm):** 65
- **Gear Ratio Option 1:**
  - Gear Ratio: 8:1
  - Screw Jack Static Efficiency: 0.149
  - Screw Jack Dynamic Efficiency: 0.250
- **Gear Ratio Option 2:**
  - Gear Ratio: 24:1
  - Screw Jack Static Efficiency: 0.116
  - Screw Jack Dynamic Efficiency: 0.178

### Performance

- **Capacity (kN):** 200
- **Sustaining Capacity (kN):**
  - Standard 316 Lifting Screw: Tension 132, Compression 200
  - Duplex Lifting Screw: Tension 132, Compression 200
- **Operating Capacity (kN):**
  - Standard 316 Worm Shaft: Tension 66, Compression 200
  - Duplex or Plated Worm Shaft with 316 Screw: Tension 66, Compression 200
- **Lifting Screw Lead (mm):**
  - Option 1: 12
  - Option 2: 24
- **Turn of worm for travel of lifting screw:**
  - Gear Ratio 1: 1 Turn 1.5mm 3mm
  - Gear Ratio 2: 4 Turn 2mm 4mm
- **Maximum Through Torque (Nm):** 396
- **Lifting Screw Restraining Torque (Nm):**
  - EMT: 1300
  - EMR: 1705
- **Worm Shaft Maximum Radial Load (N):** 1600
- **Maximum Input Speed (rpm):** 1800
- **Gear Case Material:** Stainless Steel
- **Weight (kg):**
  - Upright: EMT 42.4, EMR 49.58
  - Inverted: EMT 0.84, EMR 0.52

### Closed Height

- **Model:** EMT0200 EMR0200
- **Capacity (kN):** 200
- **Lifting Screw Lead (mm):**
  - Upright: 12
  - Inverted: 24
- **Turn of worm for travel of lifting screw:**
  - Gear Ratio 1: 1 Turn 1.5mm 3mm
  - Gear Ratio 2: 4 Turn 2mm 4mm
- **Maximum Through Torque (Nm):** 396
- **Lifting Screw Restraining Torque (Nm):**
  - EMT: 1300
  - EMR: 1705
- **Worm Shaft Maximum Radial Load (N):** 1600
- **Maximum Input Speed (rpm):** 1800
- **Gear Case Material:** Stainless Steel
- **Weight (kg):**
  - Upright: EMT 42.4, EMR 49.58
  - Inverted: EMT 0.84, EMR 0.52

**Note:** All dimension in millimetres unless otherwise stated. Designs subject to change without notice.
### Upright EMR0200-V00

<table>
<thead>
<tr>
<th>Closed Height “C”</th>
<th>Threaded End</th>
<th>Top Plate</th>
<th>Clevis End</th>
<th>Fork End</th>
<th>Rod End</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stroke (mm)</td>
<td>Upright</td>
<td>Upright</td>
<td>Upright</td>
<td>Upright</td>
<td>Upright</td>
</tr>
<tr>
<td>EMT0200 with Bellows Boots</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1-300</td>
<td>265</td>
<td>120</td>
<td>265</td>
<td>120</td>
<td>310</td>
</tr>
<tr>
<td>301-600</td>
<td>265</td>
<td>145</td>
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<td>145</td>
<td>310</td>
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<td>601-1050</td>
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<td>290</td>
<td>145</td>
<td>335</td>
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<tr>
<td>1051-1500</td>
<td>315</td>
<td>170</td>
<td>315</td>
<td>170</td>
<td>360</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.