TORQUE & SHEAR STRUCTURAL CONNECTION WRENCHES
Structural Steel Fastening Wrenches
AJAX offer a full range of structural fastening wrenches. Torque wrenches and Shear wrenches for tightening of Tension Control Bolts (TCB’s).

Torque wrenches

AJAX Torque Wrenches come in two configurations “T-series” and “TL-series”.

**T-Series** are predominately used in tight configuration bolting situations where close proximity of other bolts or positions where the reaction arm can be engaged.

**TL-Series** are predominately used in situations where the distance between bolt or reaction arm engagement is a considerable distance apart.

The reaction arm is used to take the opposing forces when the nut is being tightened.

Benefits / Features of these type of wrenches are:

- Extremely quiet, as compared to Impact wrenches (No need for hearing protection)
- Far lighter than comparable Impact wrenches
- Completely eliminates all shock and vibration, associated with Impact wrenches.
- **No kick back** providing installer with a far superior installation experience (reduced OH&S)
- Smooth and consistent rotation.
- Easy torque setting and simple adjustment for left or right rotation
# AJAX Torque wrench range (FULL SPECIFICATIONS)

<table>
<thead>
<tr>
<th>Model</th>
<th>Voltage &amp; Max Current</th>
<th>Max Power (Watt)</th>
<th>Frequency</th>
<th>Torque Range</th>
<th>No-Load Speed (min-1)</th>
<th>Weight (Main Body)</th>
<th>Protection Class</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>T-7</strong></td>
<td>230V(9A)</td>
<td>2000W</td>
<td>50-60Hz</td>
<td>300-700N.m</td>
<td>18min-1(rpm)</td>
<td>5.1KG (11.2lbs)</td>
<td>Double Insulation (class 2 tool)</td>
</tr>
<tr>
<td><strong>TL-7</strong></td>
<td>230V(9A)</td>
<td>2000W</td>
<td>50-60Hz</td>
<td>300-700N.m</td>
<td>18min-1(rpm)</td>
<td>6KG (13.2lbs)</td>
<td>Double Insulation (class 2 tool)</td>
</tr>
<tr>
<td><strong>T-12</strong></td>
<td>230V(12A)</td>
<td>2800W</td>
<td>50-60Hz</td>
<td>500-1200N.m</td>
<td>14min-1(rpm)</td>
<td>7KG (15.4lbs)</td>
<td>Double Insulation (class 2 tool)</td>
</tr>
<tr>
<td><strong>TL-12</strong></td>
<td>230V(12A)</td>
<td>2800W</td>
<td>50-60Hz</td>
<td>500-1200N.m</td>
<td>14min-1(rpm)</td>
<td>8.2KG (18.08lbs)</td>
<td>Double Insulation (class 2 tool)</td>
</tr>
<tr>
<td><strong>T-25</strong></td>
<td>230V(12A)</td>
<td>2800W</td>
<td>50-60Hz</td>
<td>1100-2500N.m</td>
<td>5min-1(rpm)</td>
<td>8.52KG (18.78lbs)</td>
<td>Double Insulation (class 2 tool)</td>
</tr>
<tr>
<td><strong>TL-25</strong></td>
<td>230V(12A)</td>
<td>2800W</td>
<td>50-60Hz</td>
<td>1100-2500N.m</td>
<td>5min-1(rpm)</td>
<td>8.52KG (18.78lbs)</td>
<td>Double Insulation (class 2 tool)</td>
</tr>
</tbody>
</table>
About AJAX Shear Wrenches

Shear wrenches are lightweight / non-impacting and extremely low noise tools, specially designed for the use of tightening TCB’s (Tension Control Bolts) the wrenches consist of both an INNER SOCKET (engages with the 12 point spline) and the OUTER SOCKET (which engages the nut). Changing the sockets is simple and quick, to set the wrench with the correct spline and nut socket to suit the size of bolt to be installed. Detailed instructions on the process are included with every shear wrench sold.

Shear wrenches are “Dumb tools” that do not need calibration, but do require some maintenance and must be handled carefully, to avoid damage.

Maintenance

- Clean both inner and outer sockets to avoid build-up of foreign matter or debris / dirt.
- Change the motors carbon brushes when necessary, drop in performance is an indicator that the motors brushes have worn.
- Do not carry the shear wrench by the electrical cable, most good quality shear wrenches are sold with a protective case.
- Ensure electrical cable and plug regularly – replace if damaged to avoid electrical shock.
- Replace inner and outer sockets when worn.
- Maintain the cleanliness of the wrench as would be the case with any other electrical tool.
- To maintain the shear wrench in good condition and service, return to AJAX approximately every 6 months or 40,000 bolt installation.
## AJAX Shear wrench range (FULL SPECIFICATIONS)

<table>
<thead>
<tr>
<th>Model</th>
<th>Voltage &amp; Max current</th>
<th>Max power (watt)</th>
<th>Frequency</th>
<th>Max Torque</th>
<th>No-Load speed (min-1)</th>
<th>Weight (Main body)</th>
<th>Protection Class</th>
<th>Adaptable Bolts Dia.</th>
</tr>
</thead>
<tbody>
<tr>
<td>S-20</td>
<td>230V (8A) 115V (16A)</td>
<td>1800W</td>
<td>50-60Hz</td>
<td>540N.m (398ft.lb)</td>
<td>17 (rpm)</td>
<td>4.1Kgs (9lbs)</td>
<td>Double Insulation (class 2)</td>
<td>F10T / 10.9 A325 A490 M12 M16 M20 1/2&quot; 5/8&quot; 3/4&quot;</td>
</tr>
<tr>
<td>S-24</td>
<td>230V 115V</td>
<td>2800W</td>
<td>50-60Hz</td>
<td>1200N.m (885ft.lb)</td>
<td>14 (rpm)</td>
<td>7.1Kgs (15.65lbs)</td>
<td>Double Insulation (class 2)</td>
<td>F10T / 10.9 A325 A490 M16 M20 M22 M24 5/8&quot; 3/4&quot; 7/8&quot; 1&quot;</td>
</tr>
<tr>
<td>S-30</td>
<td>230V 115V</td>
<td>2800W</td>
<td>50-60Hz</td>
<td>2500N.m (1845ft.lbs)</td>
<td>5 (rpm)</td>
<td>9.2Kgs (20.28lbs)</td>
<td>Double Insulation (class 2)</td>
<td>F10T / 10.9 A325 A490 M24 M27 M30 1&quot; 1-1/8&quot; 1-1/4&quot;</td>
</tr>
</tbody>
</table>

All wrenches come complete with impact resistant plastic carry case

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