ELME Spreader Model 816TL is a twinlift telescopic top spreader for the handling of containers in twinlift mode. 816TL is designed for use with straddle carriers.

The strong and basic concept offers distinct advantages, such as two parallel telescopic beams, assuring max overlap. Beam sections dimensioned to absorb not only the vertical, but also the very considerable horizontal forces.

**TWISTLOCK SYSTEM**

Twistlock arrangement is manufactured in a very rugged design and is well-proven since many years. 816TL has hardened, pendulling ISO quick exchange twistlocks, hydraulically activated with electrical and mechanical interlocking against faulty locking and unlocking.

**TELESCOPING SYSTEM**

Telescoping is powered by one hydraulic cylinder outside each beam. At each stop mode activates a mechanical stop that locks the position.

**TWINLIFT SYSTEM**

The system is of boxtype design and are driven by hydraulic cylinders.

**CONTROL AND PROTECTION SYSTEM**

Control voltage on the spreader is always converted to 24V DC for safety and reliability. Electrical systems monitor the state of the spreader at all times. Indicator lights advise the operator when the spreader is correctly seated, locked or not locked. Each signal is a precondition for the important protection functions of the spreader. Such as twistlock activation, telescoping, stop and lift interrupt.

**Standard supply includes:**

- Pick-up points to fit the yoke beam of the straddle carrier
- Eight vertical pendular ISO twistlocks
- Lifting eyes near twistlocks
- Hydraulic telescoping
- Solenoid valves for all hydraulic functions
- Electrical and mechanical twistlock protection and indication system
- Electric telescoping protection system
- Lift interrupt signal
TECHNICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>Type of application</th>
<th>Straddle carrier</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type of lifting system</td>
<td>8 vertical twistlocks</td>
</tr>
<tr>
<td>Spreader weight (TW)</td>
<td>8 500 kgs without extra equipment</td>
</tr>
<tr>
<td>Lifting capacity (SWL)</td>
<td>40 tonnes +/- 10 % eccentric load</td>
</tr>
<tr>
<td>Lifting capacity (SWL), lifting eyes</td>
<td>4 x 10 tonnes</td>
</tr>
<tr>
<td>Twistlock</td>
<td>8 x ISO pendular 20 mm</td>
</tr>
<tr>
<td>Telescopic positions</td>
<td>30, 30, 40 and 2x30ft</td>
</tr>
<tr>
<td>Telescoping speed, 20-40ft</td>
<td>&lt; 20 sec.*</td>
</tr>
<tr>
<td>Telescoping speed, 40-20ft</td>
<td>&lt; 25 sec.*</td>
</tr>
<tr>
<td>Hydraulics, operating pressure up to</td>
<td>140 bar</td>
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<tr>
<td>Hydraulics, flow</td>
<td>40-60 L/min</td>
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<tr>
<td>Electric - control voltage</td>
<td>24 VDC</td>
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<tr>
<td>Colour</td>
<td>Signal yellow RAL 1003</td>
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<tr>
<td>Paint thickness</td>
<td>220 µ</td>
</tr>
</tbody>
</table>

* Calculated speed at 20° C

All specifications are subject to change without notice. A list of options enables you to adapt the product more precisely to your needs and further information is available on request.

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