**MINI SPIDER | FILLET WELDING TRACTOR**

The Mini Spider is a battery-powered welding tractor designed to produce continuous fillet welds using MIG/MAG torches. The torch can be easily swapped from one side of Mini Spider to another.

4-wheel drive system with magnetic traction and a feedback loop provides highly efficient speed stabilization. Constant, continuous and repeatable travel speed enables weld bead geometry that is exact to the required specifications, thus reducing costly over welding and substantially decreasing filler metal usage.

An optional power supply can be used to plug the carriage into a 110–240 V power source.

**Features and benefits:**

- Compact and lightweight design to weld in narrow spaces
- Convenient 18 V DC battery supply (the same battery for both Mini Spider and Gecko Battery)
- Torch placement on either side
- Welding edge to edge
- Closed-loop speed control system based on electric motor with encoder – ensures increased speed accuracy
- Consistent heat input reduces distortion
- Reduces wasted filler metal – eliminates over welding
- Digital LED display for presetting of travel speed and diagnostic messages
- Low-battery indicator
- Built-in guide rollers

**Optional 110–240 V power supply**

**Welding edge to edge**

**Welding in narrow spaces**

**Continuous welding**

Horizontal speed 0–120 cm/min

Vertical speed 0–110 cm/min

Torch placement on either side

Welding in narrow spaces

Weight 7.6 kg
**MINI SPIDER Technical Specification**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
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<tbody>
<tr>
<td><strong>Voltage</strong></td>
<td>18 V DC, 5.2 Ah</td>
</tr>
<tr>
<td><strong>Power</strong></td>
<td>25 W</td>
</tr>
<tr>
<td><strong>Welding position</strong> (ISO 6947 and AWS/ASME)</td>
<td>PB / 2F  PD / 4F</td>
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<tr>
<td><strong>Torch diameter</strong></td>
<td>16–22 mm (0.63–0.87&quot;)</td>
</tr>
<tr>
<td><strong>Min. workpiece thickness</strong></td>
<td>4 mm (0.16&quot;)</td>
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<tr>
<td><strong>Ground clearance</strong></td>
<td>4 mm (0.16&quot;)</td>
</tr>
<tr>
<td><strong>Horizontal pulling force</strong></td>
<td>150 N</td>
</tr>
<tr>
<td><strong>Vertical pulling force</strong></td>
<td>100 N</td>
</tr>
<tr>
<td><strong>Horizontal speed</strong> *</td>
<td>0–110 cm/min (0–43.3 in/min)</td>
</tr>
<tr>
<td><strong>Vertical speed</strong> *</td>
<td>0–100 cm/min (0–39.4 in/min)</td>
</tr>
<tr>
<td><strong>Weight (w/o battery)</strong></td>
<td>7.6 kg (22 lbs)</td>
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<tr>
<td><strong>Product code</strong></td>
<td>WOZ-0655-10-00-00-0</td>
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*With battery fully charged*

**Standard accessories:**
- Torch holder ZCS-0270-42-00-00-0
- 5.2 Ah Battery AKM-000086
- Power supply ZSL-0526-20-00-00-0
- Cable anchor UCW-0655-08-00-00-0
- Battery charger LDW-000006 (220–240 V, 50/60 Hz)
- LDW-000007 (120 V, 60 Hz)
- Power cord 3 m (10 ft)
  - PWD-0466-18-00-00-0 (230 V CEE)
  - PWD-0466-16-00-00-0 (115 V USA)
  - PWD-0466-23-00-00-0 (115 V UK)
- Auxiliary magnet blocks ZST-0655-09-00-00-0

**Standard shipping set:**
- Mini Spider tractor
- Foam-filled cardboard box
- Battery
- 4 mm hex wrench
- 3 mm hex wrench
- Operator’s Manual

More information on [www.promotech.eu](http://www.promotech.eu)