TIG and MMA welding

**CastoTIG 1611 DC**

*Stronger with Castolin Eutectic*

- Exceptionally compact and portable TIG - MMA welding machine
  160 A - 230 V - 5.7 kg
- Also functions with power generators
- Microprocessor controlled
  Inverter power source
- Ideal for mobile onsite use for construction, joining and maintenance applications

WEAR & FUSION TECHNOLOGY
CastoTIG 1611 DC – TIG welding perfection

**CastoTIG 1611 DC** is an advancement of proven Castolin inverter technology.
The microprocessor controlled, compact power source is specially designed for TIG welding with direct current and is also useful for Manual Metal Arc Electrode applications.

- Advantages for repair and construction work: Minimal size and weight, low energy consumption and generator-usability.
- Versatile working on small parts and extra flexibility due to the G 160-torch.
- Easy-to-use by menu guides and simple touch-panel.
- Clear readable digital-display for programming and status.
- The electronic high-frequency-ignition ensures perfect, contact-free ignition on all applications.
- Lift-Arc-ignition for welding in areas with sensitive electronics, e.g. control and steering systems.
- Standard-integrated pulse function for improved welding pool control especially on thin sheets.
  All parameters for professional TIG-welding are directly accessible. 2 and 4 step modes.
- CE and S Approval markings for safe use.

### Technical data

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Welding current range</td>
<td>5 - 160 A</td>
</tr>
<tr>
<td>Welding current (TIG) at 25% ED*</td>
<td>160 A</td>
</tr>
<tr>
<td>Welding current (TIG) at 100% ED*</td>
<td>100 A</td>
</tr>
<tr>
<td>Mains Voltage 1 x 230 V / 50/60 Hz</td>
<td></td>
</tr>
<tr>
<td>Open Circuit Voltage MMA/TIG</td>
<td>54 V / 10V</td>
</tr>
<tr>
<td>Mains fuse (slow-blow)</td>
<td>16 A</td>
</tr>
<tr>
<td>Mains power at 100% DC:* TIG</td>
<td>2.5 kVA</td>
</tr>
<tr>
<td>Protection class</td>
<td>IP 23S</td>
</tr>
<tr>
<td>Official Approvals</td>
<td>CE, S</td>
</tr>
<tr>
<td>Weight with mains cable</td>
<td>5.7 kg</td>
</tr>
<tr>
<td>Dimensions (mm)</td>
<td>360 (L) x 120 (B) x 215 (H)</td>
</tr>
<tr>
<td>*10-min. Duty Cycle, 40 °C ambiant temperature, by EN 60974-1</td>
<td></td>
</tr>
</tbody>
</table>

### Part numbers

- CastoTig 1611 DC: 757 963
- TIG-Torch G160, 4 m: 304 120
- TIG-Torch G160, 8 m: 304 121
- Pressure-reducer Argon: 301669
- Earth-cable, 3 m: 300 789
- Welding-cable, 4 m: 301 094

### Ranges

- Welding current (TIG): 5 - 160 A
- Welding current (MMA): 0 - 150 A
- Gas preflow: 0 - 3 s
- Up-Slope: 0 - 20 s
- Down-Slope: 0 - 20 s
- Crater fill current: 5 - 150 A
- Gas post flow: 0 - 20 s
- Puls frequency: 0.5 - 250 Hz

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