

## Tungsten electrodes WP - WC 20 - WL 20 - WS 20

150 mm length (except for WS 2 175 mm).

Ø mm	WP Pure tungsten AC current	WLa15 Lanthanum 1.5% AC and DC current	WCe 20 Cerium 2% DC current	WLa 20 Lanthanum 2% AC and DC current	WS 2 Rare earths 2% AC and DC current
1.0	W000010009	W000402632	W000010022	W000010373	W000335166
1.6	W000010010	W000402663	W000010023	W000010016	W000335167
2.0	W000010011	W000402664	W000010024	W000010017	W000335168
2.4	W000010012	W000402665	W000010025	W000010018	W000335169
3.0	W000010013	W000402666	W000010026	W000010019	W000335170
3.2	W000010014	W000402667	W000335150	W000010020	W000335171
4.0	W000010015	W000402668	W000010028	W000010021	W000335172

Available in other lengths and types (see general catalog)



## TIG SHARP

Portable electric tool for tungsten electrodes sharpening. All you need to sharpen your tungsten electrodes delivered in a practical metal case, for an accurate action and an incredible result (perfect grind, very precise grinding angle, longitudinal sharpening, precise and symmetrical angle).

- Voltage: 220-230 V.
- Power: 400 W.
- Amperage: 1.8 A.
- Disk speed: 30.000 rpm.

### FEATURES & BENEFITS

- Standard blue head for the electrodes diameter 1.6 / 2.0 / 2.4 / 3.2 mm.
- Nozzle connectable on a vacuum cleaner for extraction of tungsten dusts.

W000011035



## OPTICLEAN II

New inverter-technology installation for cleaning, polishing and marking of stainless steel.

### Avantages :

- **Aesthetic:** no stains on the steel after cleaning.
- **Ecological:** no need to wear gloves or protective masks with the neutral solution. Large outdoor areas are not required: no toxic vapor emissions, no need for water treatment plant.
- **Economic:** no passivation after cleaning.
- **Gain of productivity:** no need to dip the pump into the liquid and to interrupt the operation several times. Improvement of the quickness while increasing current. Efficiency increased with the carbon blush.



### Technical data:

	OPTICLEAN II
Primary Voltage	230 V - 1 ph
Frequency	50/60 Hz
Capacit	450 W
Electrode Voltage	10/30 V AC/DC
Isolation Class	IP 23
Noise level	< 10 dB (A)
Machine weight (empty)	7 kg
Machine dimensions	300 x 230 x 240 mm

## Wear part box for TIG torch



### PROTIG III S / PROTIG NG S

Designation	Item number
Torch 10/10W	W000306441
Torch 20	W000306442
Torch 30	W000306443
Torch 40/35W	W000306444
Torch 40W	W000306445

### WTT2

Designation	Item number
Kit WTT2 9/9V/20W	W000371535
Kit WTT2 17/26/18W	W000371536

OPTICLEAN II machine - W000382322

Marking Kit - W000271936

# TIG CONSUMABLES



## RODS FOR TIG WELDING

### TIG welding of carbon steels

#### ALTIG SG2

Shielding gas according EN ISO 14175: I1.

**Features:**

ALTIG SG2 is suitable for TIG welding of mild and C-Mn steels. Generally used for the root pass and to support welding when no back pass is possible. Excellent mechanical and toughness properties for low temperature applications, down to -40 °C.

**Classification**

A 5-18  
ER 70S-6  
EN ISO 636-A  
W42 4 W3Si1

Ø (mm)	Length (mm)	Quant. / Box	Quant. / Carton	Item number
1.2	1000	Pack	5	W000283327
1.6	1000	Pack	5	W000283328
2.0	1000	Pack	5	W000283329
2.4	1000	Pack	5	W000283330
3.2	1000	Pack	5	W000283331

### TIG welding and hardfacing of stainless steels and special steels

#### ALTIG 308L

Shielding gas according EN ISO 14175: I1.

**Features:**

ALTIG 308L is used for the welding of 304 and 304L grade stainless steel. The weld metal has good corrosion resistance properties, including intergranular attack from a range of liquid media at service temperatures <300 °C. It is used for a wide range of applications including pipework and plate fabrication, vessel production etc. Low carbon reduces the propensity to intergranular carbide precipitation, which increases the resistance to intergranular corrosion without the use of stabilizers.

**Classification**

AWS A 5-9  
ER 308L  
EN ISO 14343-A  
W 19 9L

Ø (mm)	Length (mm)	Quant. / Box	Quant. / Carton	Item number
1.2	1000	Pack	5	W000283419
1.6	1000	Pack	5	W000283420
2.0	1000	Pack	5	W000283421
2.4	1000	Pack	5	W000283422
3.2	1000	Pack	5	W000283423

#### ALTIG 316L

Shielding gas according EN ISO 14175: I1.

**Features:**

ALTIG 316L is used for the welding of 316 and 316L grade stainless steel. It is used for a wide range of applications including pipework and plate fabrication, vessel production etc. Batch with controlled low ferrite number is available for cryogenic applications. The weld metal has good resistance to crevice corrosion by oxidising acids.

**Classification**

AWS A 5-9  
ER 316L  
EN ISO 14343-A  
W 19 12 3 L

Ø (mm)	Length (mm)	Quant. / Box	Quant. / Carton	Item number
1.2	1000	Pack	5	W000283455
1.6	1000	Pack	5	W000283456
2.0	1000	Pack	5	W000283457
2.4	1000	Pack	5	W000283458
3.2	1000	Pack	5	W000283459

### Aluminium alloys welding

#### ALTIG Al Mg 5

Shielding gas according EN ISO 14175: I1.

**Features:**

ALTIG AlMg5 is a TIG welding rod depositing Al-5Mg weld metal. ALTIG AlMg5 is used for the welding of Al-Mg alloys and Al-Mg-Zn alloys. The rod is also suitable for the welding of dissimilar aluminium alloy grades containing up to 5%Mg and components which are subsequently to be anodised. ALTIG AlMg5 is the most widely used Al welding wire, because of the weld metals high yield strength and high resistance to corrosion, including seawater.

**Classification**

AWS A 5-10  
ER 5356  
EN 18273  
S Al 5356

Ø (mm)	Length (mm)	Quant. / Box	Quant. / Carton	Item number
1.6	1000	Pack	5	W000283587
2.0	1000	Pack	5	W000283588
2.4	1000	Pack	5	W000283589
3.2	1000	Pack	5	W000283590
4.0	1000	Pack	5	W000283591

#### ALTIG Al Si 5

Shielding gas according EN ISO 14175: I1.

**Features:**

ALTIG Al Si 5 is a TIG welding rod depositing Al-5Si weld metal. Good weld bead aspect. Good weldability, the weld metal is not sensitive to cracking. Suitable for dissimilar joining in both wrought and cast form. ALTIG AlSi5 is used for welding of aluminium and aluminium alloys with a silicon content up to 5%.

**Classification**

AWS A 5-10  
ER 4043  
EN ISO 18273  
S Al 4043

Ø (mm)	Length (mm)	Quant. / Box	Quant. / Carton	Item number
2.0	1000	Pack	5	W000283563
2.4	1000	Pack	5	W000283564
3.2	1000	Pack	5	W000283565