



WELDLINE™

by Lincoln Electric

TIG TORCHES

WTT2 range







TIG TORCHES

WTT2

The WTT2 is our new range of standard TIG torches, providing better performance for the welder's comfort. Designed to meet the challenges of a variety of applications in maintenance, fabrication or construction sites. New torches are offered in both air-cooled and water-cooled version.

High quality components and modern design decide about the welding process efficiency and operator's comfort.

The torches are manufactured according to high quality standards. Their expendables are compatible with the international standard.

CUSTOMERS BENEFITS

- ◆ High reliability
- ◆ Standardised wear parts
- ◆ Excellent grip
- ◆ Easy pivoting Handle
- ◆ High flexibility cable
- ◆ Versatility and maneuverability

APPLICATIONS

Fabrication ◆ Construction ◆ Maintenance ◆ Farm ◆ Shops ◆ Home



WTT2 TORCHES

Simple and reliable, this range is adapted to the most common applications.



Standardised wear parts.



Easy pivoting handle (for EB handles).



Extra-flexible high performance cable.



Handle, made with high temperature silicon rubber.

Air cooling

| MODEL | | WTT2 9 | | WTT2 17 | | WTT2 26 | | | |
|---------------------|---------|------------|-----------------|------------|------------|--------------|------------|------------|------------|
| Duty cycle at 40 °C | | 60% | 80 A | 100 A | 130 A | 130 A | 180 A | | |
| | | 35% | 110 A | 135 A | 180 A | | | | |
| Original equipment | | back cap | Long | | | | | | |
| | | nozzle | Ø 9.6 mm | Ø 9.6 mm | Ø 9.6 mm | Ø 12.8 mm | | | |
| | | electrode | Ø 1.6 mm | Ø 2.0 mm | Ø 2.0 mm | Ø 2.4 mm | | | |
| Length | | | 4 m | 8 m | 4 m | 8 m | 4 m | 8 m | |
| Handle | RL | Connection | S | W000278878 | W000278923 | W000278883 | W000278918 | W000278888 | W000278914 |
| | | | C5B | W000278879 | W000278922 | W000278884 | W000278917 | W000278890 | W000278913 |
| | EB | | S | W000278877 | W000278929 | W000278881 | W000278920 | W000278886 | W000278916 |
| | | | C5B | W000278875 | - | W000278882 | W000278919 | W000278887 | W000278915 |
| | V | | V (Conn. 9 mm) | W000278876 | - | W000278880 | - | - | - |
| | | | V (Conn. 13 mm) | - | - | W10529-17-4V | - | W000278885 | - |
| | EB-FLEX | | S / C5B | W000382781 | - | W000382782 | W000382783 | W000382784 | W000382785 |

Connections



C5B



S

Connector :

Shaped cable output for a better robustness.



Air cooling



Water cooling

Water cooling

| MODEL | | WTT2 20 W | | WTT2 18 W | | | |
|---------------------|---------|------------|-----------|------------|------------|------------|------------|
| Duty cycle at 40 °C | | 100% | 200 A | 320 A | 320 A | | |
| | | 60% | 250 A | 350 A | 350 A | | |
| Original equipment | | back cap | Long | | | | |
| | | nozzle | Ø 12.8 mm | Ø 12.8 mm | Ø 16 mm | | |
| | | electrode | Ø 2.4 mm | Ø 2.4 mm | Ø 3.2 mm | | |
| Length | | | 4 m | 8 m | 4 m | 8 m | |
| Handle | RL | Connection | S | W000278893 | W000278906 | W000278897 | W000278900 |
| | | | C5B | W000278894 | W000278905 | W000278898 | W000278899 |
| | EB | | S | W000278891 | W000278911 | W000278895 | W000278902 |
| | | | C5B | W000278892 | W000278909 | W000278896 | W000278901 |
| | EB-FLEX | | S / C5B | W000382786 | W000382787 | W000382788 | W000382789 |

Handle



RL



EB



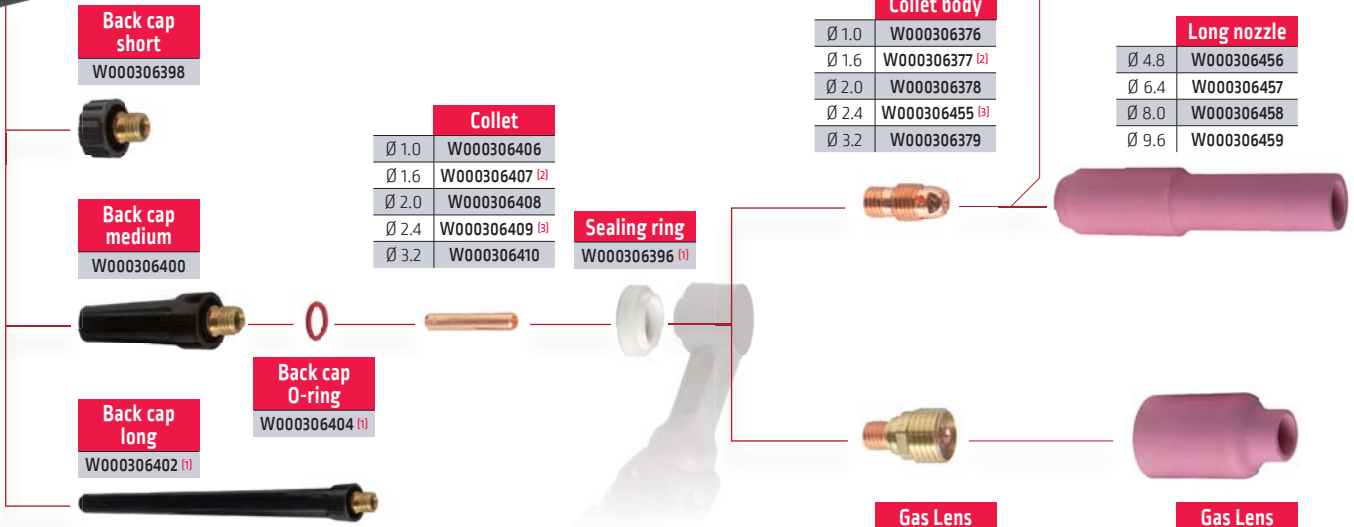
V



EB-FLEX

WTT2 TIG TORCHES WEAR PARTS

Model WTT2 9/9V & 20 W



Gas Lens

The gas diffuser concentrates the flux in a homogenous and focused way around the tungsten electrode, which allows to get the electrode out much more than the nozzle.

This permits to access to the difficult access welding joints.



(1) Standard on all our models
 (2) Standard on only WTT2 9 EB / 9 RL / 9V
 (3) Standard on only WTT2 20W EB / 20W RL

Wear part box for an easier maintenance



Box for
WTT2 9 / 9V / 20W

| | |
|----------------------|------------|
| To order | W000371535 |
| SHORT BACK CAP 9-20 | |
| MEDIUM BACK CAP 9-20 | |
| LONG BACK CAP 9-20 | |
| COLLET BODY | 1.6 mm |
| | 2.0 mm |
| | 2.4 mm |
| | 3.2 mm |
| COLLET | 1.6 mm |
| | 2.0 mm |
| | 2.4 mm |
| | 3.2 mm |
| STD NOZZLE | 8.0 mm |
| | 9.6 mm |
| | 11.2 mm |
| | 12.8 mm |



WTT2 TIG TORCHES WEAR PARTS

Model WTT2 17/17V, 26/26V & 18 W



Back cap short
W000306399

Back cap long
W000306403 (1)

Back cap O-ring
W000306405 (1)

| Collet | |
|--------|----------------|
| Ø 1.0 | W000306411 |
| Ø 1.6 | W000306412 |
| Ø 2.0 | W000306413 (2) |
| Ø 2.4 | W000306414 (3) |
| Ø 3.2 | W000306415 (4) |
| Ø 4.0 | W000306416 |

Sealing ring
W000306397 (1)

| Collet body | |
|-------------|----------------|
| Ø 1.0 | W000306380 |
| Ø 1.6 | W000306381 |
| Ø 2.0 | W000270781 (2) |
| Ø 2.4 | W000306382 (3) |
| Ø 3.2 | W000306383 (4) |
| Ø 4.0 | W000306384 |

| Nozzle | |
|--------|----------------|
| Ø 6.4 | W000306423 |
| Ø 8.0 | W000306424 |
| Ø 9.6 | W000306425 (2) |
| Ø 11.2 | W000306426 |
| Ø 12.8 | W000306427 (3) |
| Ø 16.0 | W000306428 (4) |
| Ø 19.2 | W000306461 |

| Long nozzle | |
|-------------|------------|
| Ø 6.4 | W000306462 |
| Ø 8.0 | W000306463 |
| Ø 9.6 | W000306464 |
| Ø 11.2 | W000306465 |

Gas Lens sealing ring
W000306466

| Gas Lens collet body | |
|----------------------|------------|
| Ø 1.0 | W000306389 |
| Ø 1.6 | W000306390 |
| Ø 2.4 | W000306391 |
| Ø 3.2 | W000306392 |
| Ø 4.0 | W000306393 |

| Gas Lens nozzle | |
|-----------------|------------|
| Ø 6.4 | W000306434 |
| Ø 8.0 | W000306435 |
| Ø 9.6 | W000306436 |
| Ø 11.2 | W000306437 |
| Ø 12.8 | W000306438 |
| Ø 16.0 | W000306439 |

| Long Gas Lens nozzle | |
|----------------------|------------|
| Ø 8.0 | W000306467 |
| Ø 9.6 | W000306468 |
| Ø 11.2 | W000306469 |
| Ø 12.8 | W000306470 |

- (1) Standard on all our models
- (2) Standard on only WTT2 17
- (3) Standard on only WTT2 18W
- (4) Standard on only WTT2 26

Gas Lens

The gas diffuser concentrates the flux in a homogenous and focused way around the tungsten electrode, which allows to get the electrode out much more than the nozzle.

This permits to access to the difficult access welding joints.



Wear part box for an easier maintenance

Box for
WTT2 17 / 26 / 18W



To order W000371536

| | |
|-------------------------|---------|
| SHORT BACK CAP 17-18-26 | |
| LONG BACK CAP 17-18-26 | |
| COLLET BODY | 1.6 mm |
| | 2.4 mm |
| | 3.2 mm |
| | 4.0 mm |
| COLLET | 1.6 mm |
| | 2.4 mm |
| | 3.2 mm |
| | 4.0 mm |
| STD NOZZLE | 9.6 mm |
| | 11.2 mm |
| | 12.8 mm |
| | 16.0 mm |

TUNGSTEN ELECTRODES

A complete range of tungsten electrodes:

- Pure tungsten,
- Tungsten + cerium,
- ■ Tungsten + lanthanum,
- ■ Tungsten + rare earths ⁽¹⁾.

Product advantages :

- ◆ Very high life cycle
- ◆ Very stable arc
- ◆ Perfect arc ignition
- ◆ Tip longevity



Choice criteria

| Type | Metal | | Arc stability | Striking | Lasting | Thermal resistance |
|--------------------------------------|-----------|-------------------------|---------------|----------|---------|--------------------|
| | Aluminium | Steel & Stainless steel | | | | |
| WP - Pure tungsten | * | | ** | * | * | * |
| WCe 20 - Cerium 2% | | * | ** | * | ** | ** |
| WLa 15 - Lanthanum 1,5% | ** | ** | ** | ** | ** | ** |
| WLa 20 - Lanthanum 2% | * | ** | ** | ** | ** | ** |
| WS 2 - Rare earths ⁽¹⁾ 2% | * | * | ** | ** | ** | ** |

CAUTION:
before use, carefully read and understand the safety datasheet available on our websites

*** Excellent - ** Good - * Average

(1) Rare earths = any of the abundant metallic elements, including scandium (atomic number 21), yttrium (39), and the 15 elements from 57 to 71 (lanthanide series include lanthanum and cerium) in the Mendeleev classification.

Nertal WP

| Ø mm | 150 mm length |
|------|---------------|
| | To order |
| 1.0 | S03710250 |
| 1.6 | S03710251 |
| 2.0 | S03710252 |
| 2.4 | S03710506 |
| 2.5 | S03710268 |
| 3.2 | S03710507 |
| 4.0 | S03710254 |
| 4.8 | S03710510 |
| 6.0 | S03710256 |

WP - Pure tungsten
Light alloy (green tip)

| Ø mm | 150 mm length | 175 mm length |
|------|---------------|---------------|
| | To order | |
| 1.0 | W000010009 | - |
| 1.6 | W000010010 | W000010375 |
| 2.0 | W000010011 | W000010376 |
| 2.4 | W000010012 | W000010377 |
| 3.0 | W000010013 | - |
| 3.2 | W000010014 | W000010378 |
| 4.0 | W000010015 | W000335152 |

WLa 15 - Lanthanum 1.5%
Light alloy (using AC current), steel and stainless steel (using DC current) (gold tip)

| Ø mm | 150 mm length |
|------|---------------|
| | To order |
| 1.0 | W000402632 |
| 1.6 | W000402663 |
| 2.0 | W000402664 |
| 2.4 | W000402665 |
| 3.0 | W000402666 |
| 3.2 | W000402667 |
| 4.0 | W000402668 |

Nertal Ce 20

| Ø mm | 150 mm length |
|------|---------------|
| | To order |
| 1.0 | S03710530 |
| 1.6 | S03710531 |
| 2.0 | S03710533 |
| 2.4 | S03710534 |
| 3.2 | S03710537 |
| 4.0 | S03710538 |
| 4.8 | S03710539 |

WCe 20 - Cerium 2%
Steel and stainless steel (grey tip)

| Ø mm | 150 mm length | 175 mm length |
|------|---------------|---------------|
| | To order | |
| 1.0 | W000010022 | - |
| 1.6 | W000010023 | W000335153 |
| 2.0 | W000010024 | W000010381 |
| 2.4 | W000010025 | W000335154 |
| 3.0 | W000010026 | - |
| 3.2 | W000335150 | W000335157 |
| 4.0 | W000010028 | W000335155 |

WS 2 - Rare earths 2%
Light alloy (using AC current), steel and stainless steel (using DC current) (turquoise tip)

| Ø mm | 175 mm length |
|------|---------------|
| | To order |
| 1.0 | W000335166 |
| 1.6 | W000335167 |
| 2.0 | W000335168 |
| 2.4 | W000335169 |
| 3.0 | W000335170 |
| 3.2 | W000335171 |
| 4.0 | W000335172 |

Nertal La 20

| Ø mm | 150 mm length |
|------|---------------|
| | To order |
| 1.6 | S03710651 |
| 2.0 | S03710652 |
| 2.4 | S03710653 |
| 3.2 | S03710655 |
| 4.0 | S03710656 |
| 4.8 | W000381291 |

WLa 20 - Lanthanum 2%
Light alloy (using AC current), steel and stainless steel (using DC current) (blue tip)

| Ø mm | 75 mm length | 150 mm length | 175 mm length |
|------|--------------|---------------|---------------|
| | To order | | |
| 1.0 | W000011144 | W000010373 | - |
| 1.6 | W000011145 | W000010016 | W000010385 |
| 2.0 | - | W000010017 | W000010386 |
| 2.4 | W000011146 | W000010018 | W000010387 |
| 3.0 | - | W000010019 | - |
| 3.2 | - | W000010020 | W000010388 |
| 4.0 | - | W000010021 | W000010389 |

Highest lifetime,
Higher current density, Less grinding,
Faster starts and better arc stability

BEING PRESENT LOCALLY MAKES US MORE AWARE GLOBALLY

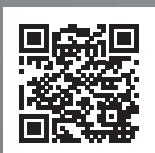


CUSTOMER ASSISTANCE POLICY

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