

PRODUCT CATALOGUE

# Welding & Cutting **EQUIPMENT**

2023

[www.lincolnelectric.eu](http://www.lincolnelectric.eu)



# CITOSTEEL S RANGE

## Reliable Workhorses
































## CITOSTEEL S RANGE i355S, i425S, i505S

- Complete solution for **Industrial** users
- New **heavy duty design**
- Innovative User Interface with **ArcFX™** technology
- Low energy consumption compliant with upcoming **ECO design** regulations
- Optional **Cool Arc®26** supports water cooled guns

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# PICTOGRAM MEANING

|  |   |  |  |  |
|--|---|--|--|--|
|  Single phase input power                     |  For constant current stick and TIG processes                        |  15-110 Volt DC Wire feeder input power |  Plastic spool S300   |  Motor generator compatible   |
|  Three phase input power                      |  For constant voltage MIG, flux-cored and subarc processes           |  40 Volt DC Wire feeder input power     |  Plastic spool S200   |  Internal Compressor  |
|  Single or three phase input power            |  For multi-process constant current or constant voltage applications |  115 Volt input                         |  Synergic setting     |  Cable length: 70 m<br>LONG : 70 m<br>SECTION : 3 x 2.5 mm <sup>2</sup> |
|  Direct current welding output                |  24-42 Volt AC Wire feeder input power                               |  230 Volt input                         |  Power factor control |  Water Cooling  |
|  Alternating or direct current welding output |  34-44 Volt AC Wire feeder input power                               |  CrossLinc® Technology                  |  2-Roll Wire Feeder   |  Voltage Reduction Device™  |
|  50/60 Hz input power                         |  42 Volt AC Wire feeder input power                                  |  STT process capability                 |  4-Roll Wire Feeder   |  |



# MIG & MULTI PROCESS INVERTER WELDERS

## MIG & MULTI PROCESS INVERTER WELDERS

| MODEL                          | REFERENCE    | INPUT            |             | OUTPUT           |                   | PROCESS |          |      |       |        |        |      | FEATURES      |             |                   |                          |          |            |                  |
|--------------------------------|--------------|------------------|-------------|------------------|-------------------|---------|----------|------|-------|--------|--------|------|---------------|-------------|-------------------|--------------------------|----------|------------|------------------|
|                                |              | Phase (50/60 Hz) | Voltage (V) | Rated Output (A) | Current range (A) | Mode    | Polarity | GMAW | PULSE | FCAW-G | FCAW-S | SMAW | CAG (Gouging) | DC TIG Lift | Wire Drive System | Max wire spool size (mm) | Synergic | V/A metres | Warranty (years) |
| MIG Inverter Welders           |              |                  |             |                  |                   |         |          |      |       |        |        |      |               |             |                   |                          |          |            |                  |
| CITOLINE i250                  | W100000317   | 3                | 400         | 250A/35%         | 50-250            | CC/CV   | DC       | •    |       | •      | •      | •    |               | 4R          | 300               | •                        | •        | 2          |                  |
| CITOLINE i300                  | W100000318   | 3                | 400         | 300A/35%         | 50-300            | CC/CV   | DC       | •    |       | •      | •      | •    |               | 4R          | 300               | •                        | •        | 2          |                  |
| CITOSTEEL 250C PACK            | W100000096-1 | 3                | 400         | 250A/60%         | 10-250            | CC/CV   | DC       | •    |       | •      | •      | •    |               | 4R          | 300               | •                        | •        | 3          |                  |
| CITOSTEEL 320C PACK            | W100000098-1 | 3                | 400         | 320A/40%         | 10-320            | CC/CV   | DC       | •    |       | •      | •      | •    |               | 4R          | 300               | •                        | •        | 3          |                  |
| CITOSTEEL 250C PRO PACK        | W100000097-1 | 3                | 400         | 250A/60%         | 10-250            | CC/CV   | DC       | •    |       | •      | •      | •    |               | 4R          | 300               | •                        | •        | 3          |                  |
| CITOSTEEL 320C PRO PACK        | W100000099-1 | 3                | 400         | 320A/40%         | 10-320            | CC/CV   | DC       | •    |       | •      | •      | •    |               | 4R          | 300               | •                        | •        | 3          |                  |
| CITOSTEEL 380C AIR PACK        | W100000100-1 | 3                | 400         | 380A/40%         | 10-380            | CC/CV   | DC       | •    |       | •      | •      | •    |               | 4R          | 300               | •                        | •        | 3          |                  |
| CITOSTEEL 450C AIR PACK        | W100000101-1 | 3                | 400         | 450A/80%         | 10-450            | CC/CV   | DC       | •    |       | •      | •      | •    | •             | 4R          | 300               | •                        | •        | 3          |                  |
| CITOSTEEL 380C WATER PACK      | W100000100-2 | 3                | 400         | 380A/40%         | 10-380            | CC/CV   | DC       | •    |       | •      | •      | •    |               | 4R          | 300               | •                        | •        | 3          |                  |
| CITOSTEEL 450C WATER PACK      | W100000101-2 | 3                | 400         | 450A/80%         | 10-450            | CC/CV   | DC       | •    |       | •      | •      | •    | •             | 4R          | 300               | •                        | •        | 3          |                  |
| CITOSTEEL 355S                 | W000404457   | 3                | 400         | 350A/50%         | 20-350            | CC/CV   | DC       | •    |       | •      | •      | •    | •             |             |                   | •                        |          | 3          |                  |
| CITOSTEEL 425S                 | W000404458   | 3                | 400         | 420A/100%        | 20-420            | CC/CV   | DC       | •    |       | •      | •      | •    | •             |             |                   | •                        |          | 3          |                  |
| CITOSTEEL 505S                 | W000404459   | 3                | 400         | 500A/60%         | 20-500            | CC/CV   | DC       | •    |       | •      | •      | •    | •             |             |                   | •                        |          | 3          |                  |
| Multi Process Inverter Welders |              |                  |             |                  |                   |         |          |      |       |        |        |      |               |             |                   |                          |          |            |                  |
| CITOMIG 185MP                  | W000403579   | 1                | 230         | 200A/25%         | 20-200            | CC/CV   | DC       | •    |       | •      | •      | •    | •             | 2R          | 200               |                          |          | 2          |                  |
| CITOMIG 210MP                  | W000403578   | 1                | 115/230     | 200A/25%         | 20-200            | CC/CV   | DC       | •    |       | •      | •      | •    | •             | 2R          | 200               | •                        | •        | 2          |                  |
| CITOPULS III 320C              | W000385051   | 3                | 400         | 320A/40%         | 15-320            | CC/CV   | DC       | •    | •     | •      | •      | •    |               | 4R          | 300               | •                        | •        | 3          |                  |
| CITOPULS III 420               | W000383663   | 3                | 400         | 420A/60%         | 15-420            | CC/CV   | DC       | •    | •     | •      | •      | •    | •             |             |                   | •                        | •        | 3          |                  |
| CITOPULS III 520               | W000383664   | 3                | 400         | 500A/60%         | 15-500            | CC/CV   | DC       | •    | •     | •      | •      | •    | •             |             |                   | •                        | •        | 3          |                  |

## ADVANCED PROCESS WELDERS

| MODEL                    | REFERENCE  | INPUT  |             | OUTPUT       |                   | PROCESS |          |      |       |        |        |      | FEATURES |             |                   |                          |          |            |          |
|--------------------------|------------|--------|-------------|--------------|-------------------|---------|----------|------|-------|--------|--------|------|----------|-------------|-------------------|--------------------------|----------|------------|----------|
|                          |            | Phases | Voltage (V) | Rated output | Current range (A) | Mode    | Polarity | GMAW | PULSE | FCAW-G | FCAW-S | SMAW | Gouging  | DC TIG Lift | Wire Drive System | Max wire spool size (mm) | Synergic | V/A metres | Warranty |
| Advanced Process Welders |            |        |             |              |                   |         |          |      |       |        |        |      |          |             |                   |                          |          |            |          |
| CITOWAVE III 420         | W000384991 | 3      | 400         | 420A/60%     | 15-420            | CC/CV   | •        | •    | •     | •      | •      | •    | •        | 4R          | 300               | •                        | •        | 3          |          |
| CITOWAVE III 520         | W000384992 | 3      | 400         | 500A/60%     | 15-500            | CC/CV   | •        | •    | •     | •      | •      | •    | •        | 4R          | 300               | •                        | •        | 3          |          |



# CITOSTEEL 250C, 320C, 380C, 450C PRO PACK

MIG welder ready for tomorrow.

- NEW features: Date&Calendar, Speaker and stronger encoders.
- Premium arc performance with repeatable arc ignition, excellent arc stability and rapid parameter adjustment.
- MIG/MAG and stick processes.
- Innovative, intuitive interface: easy settings, simple navigation, multi-language.
- Fully featured Synergic and Manual MIG, Auto settings, adjustable functions, Memory, TFT 7' colour screen, USB connectivity.
- Perfect feedability: optimised wire positioning, four driven rolls and inspection window.
- Water version: installed COOL ARC® 26 cooler (380C, 450C).
- Designed with welders for welders: perfect handling, innovative and easy communication.
- Ready for the heaviest industrial conditions: developed and tested under the hardest conditions (TRUE HD) to guarantee the reliability you need.

**Processes**

MIG, Flux-Cored, Stick.  
CAG (only 450C)

**Applications**

- General Fabrication
- Construction site
- Maintenance and Repair
- Light industry

**Input**



**Output**



**UNIT INCLUDES:** LincGun® Promig™ 4m (all versions), Coolarc®- 26 and Freezcool (only 380C, 450C Water Pack version), Input cable (5 m), Ground cable (3 m), Gas hose (2 m), Rolls 1.0 / 1.2 for solid wire, USB with Operator's Manual, Control panel cover (380C, 450C)

MIG & MULTI PROCESS INVERTER WELDERS

## CITOSTEEL 250C & 320C PRO PACK

CITOSTEEL 250C PRO  
+  
LINCUN® PROMIG™ 270 4m



CITOSTEEL 320C PRO  
+  
LINCUN® PROMIG™ 300 4m



## CITOSTEEL 380C, 450C PRO AIR PACK

CITOSTEEL 380C PRO  
+  
LINCUN® PROMIG™ 300 4m



CITOSTEEL 450C  
+  
LINCUN® PROMIG™ 400 4m

## CITOSTEEL 380C, 450C PRO WATER PACK

CITOSTEEL 380C PRO  
+  
LINCUN® PROMIG™ 330W 4m  
COOLARC®-26  
FREEZCOOL



CITOSTEEL 450C PRO  
+  
LINCUN® PROMIG™ 400W 4m  
COOLARC®-26  
FREEZCOOL

| Product                   | Reference    | Input (V)                    | Fuse Type rG or Circuit Breaker Type Z | Rated Output | Output Range (A) | Wire Feed Type / Speed Range (m/min) | Weight (kg)   | Dimensions H x W x D (mm) | Protection Class | Pack includes:                         |
|---------------------------|--------------|------------------------------|--|--------------|------------------|--------------------------------------|---|---------------------------|------------------|--|
| CITOSTEEL 250C PRO PACK   | W100000097-1 | 400V 3Ph<br>±15%<br>50/60 Hz | 16A                                    | 250A@60%     | 10-250           | 4R / 1-20                            | 70  | 560 x 935 x 878           | IP23             | LincGun® Promig™ 270 4m (W000345061-2) |
| CITOSTEEL 320C PRO PACK   | W100000099-1 |                              | 20A                                    | 320A@40%     | 10-320           |                                      |   |                           |                  | LincGun® Promig™ 300 4m (W000345067-2) |
| CITOSTEEL 380C AIR PACK   | W100000100-1 |                              | 25A                                    | 380A@40%     | 10-380           |                                      |   |                           |                  | LincGun® Promig™ 300 4m (W000345067-2) |
| CITOSTEEL 450C AIR PACK   | W100000101-1 |                              | 32A                                    | 450A@80%     | 10-450           |                                      | LincGun® Promig™ 400 4m (W000345073-2)  |                           |                  |  |
| CITOSTEEL 380C WATER PACK | W100000100-2 |                              | 25A                                    | 380A@40%     | 10-380           |                                      | LincGun® Promig™ 330W 4m (W000345064-2),<br>Coolarc®-26 (K14182-1),<br>Freezcool (W000010167) |                           |                  |  |
| CITOSTEEL 450C WATER PACK | W100000101-2 |                              | 32A                                    | 450A@80%     | 10-450           |                                      | LincGun® Promig™ 400W 4m (W000345070-2),<br>Coolarc®-26 (K14182-1),<br>Freezcool (W000010167) |                           |                  |  |



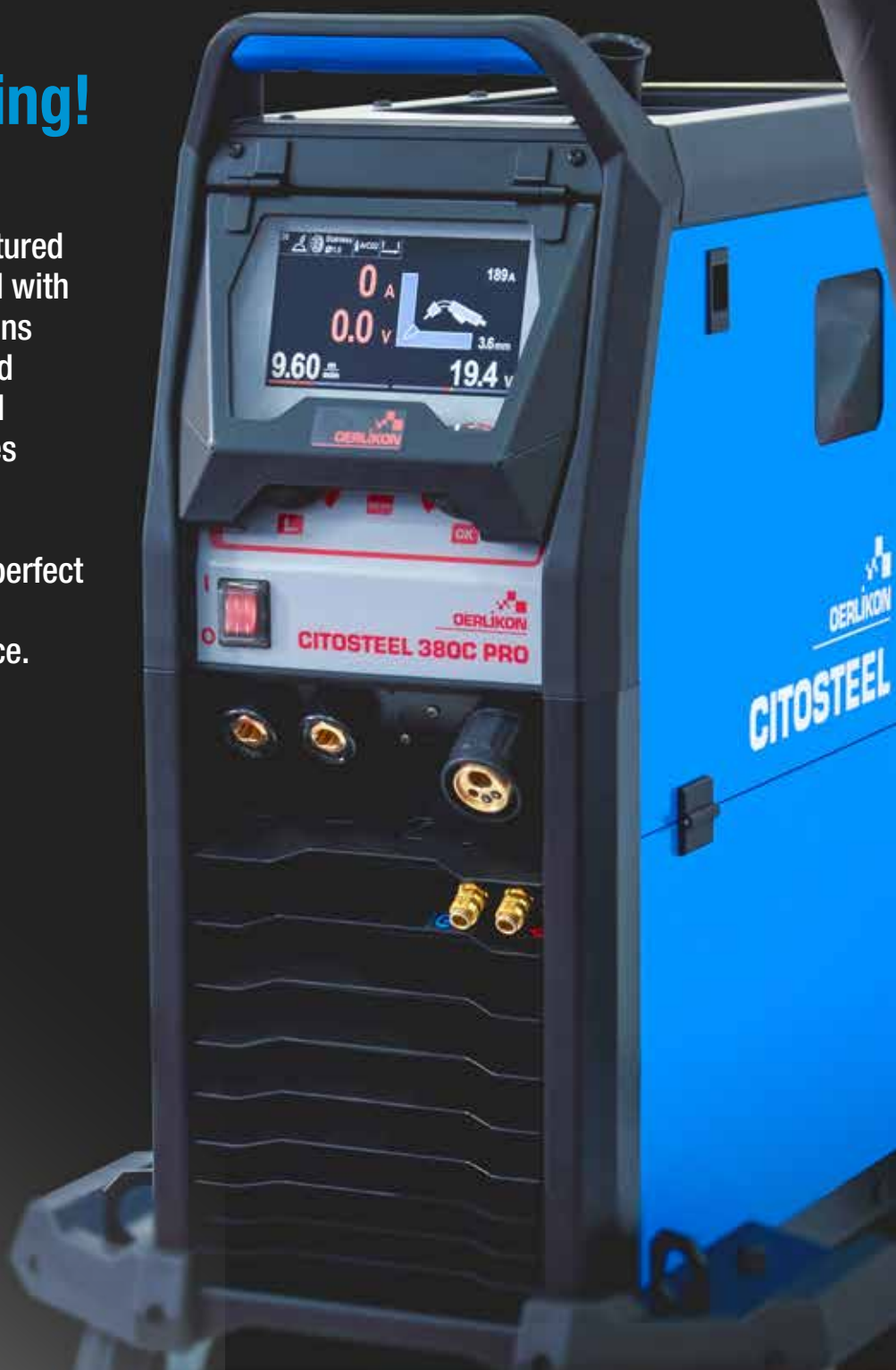


# PowerPacks

**Premium match  
with perfect pricing!**

From now on all newly manufactured Citosteel machines are equipped with Lincoln Electric Premium MIG guns LINGGUN® PROMIG™ and offered as READY-PACKS\*. Water Cooled version available – PACK includes cooler installed and coolant!

Our new READY-PACKS are the perfect set to maximize your welding performance at an attractive price.



# CITOSTEEL 355S, 425S & 505S

High output, reliable industrial machine.

- Premium welding behavior on CV MIG & Stick welding.
- Ready for the heaviest industrial conditions.
- Synergic capability (with WF 56D).
- Optimized ergonomics, Lincoln reliability (True HD).
- Water cooled version (COOL ARC® 26 as an option).



**Processes**

MIG, Flux-Cored, Stick, Innershield, Gouging

**Applications**

- Heavy Fabrication
- Structural
- General Fabrication
- Shipbuilding

**Input**



**Output**



MIG & MULTI PROCESS INVERTER WELDERS

**UNIT INCLUDES**

|                                     |
|-------------------------------------|
| Input cable (5 m)                   |
| Work clamp and cable assembly (3 m) |
| Gas hose (2 m)                      |
| Chain                               |
| USB stick with Operator's Manual    |



| Product        | Reference  | Input (V)                    | Fuse Type rG or Circuit Breaker Type Z | Rated Output (A)       | Output Range (A) | Efficiency | Idle Power | Weight (kg) | Dimensions H x W x D (mm) | Protection Class |
|----------------|------------|------------------------------|--|------------------------|------------------|------------|------------|-------------|---------------------------|------------------|
| CITOSTEEL 355S | W000404457 | 400V 3Ph<br>±15%<br>50/60 Hz | 25A                                    | 350A@50%,<br>300A@100% | 20-350           | > 85%      | < 35W      | 68          | 932 x 560 x 925           | IP23             |
| CITOSTEEL 425S | W000404458 |                              | 32A                                    | 420A@100%              | 20-420           |            |            | 78          |                           |                  |
| CITOSTEEL 505S | W000404459 |                              |  | 500A@60%,<br>420A@100% | 20-500           |            |            | 79          |                           |                  |

**COMPATIBLE FEEDERS \***

| Product | Reference  | CITOSTEEL 355S | CITOSTEEL 425S | CITOSTEEL 505S |
|---------|------------|----------------|----------------|----------------|
| WF 52D  | W100000176 | •              | •              | •              |
| WF 56D  | W100000177 | •              | •              | •              |

\* see chapter "SEMI-AUTOMATIC WIRE FEEDERS" for details

# LINCOLN RELIABILITY OPTIMIZED ERGONOMICS



**Gun Holder:** always at hand, ready to work



**Lifting eye**

**Front UI protection cover**  
keep your UI safe



**Simple navigation**  
also when using welding gloves



**Simple navigation**  
also when using welding gloves



**Cable Management System (option)**



**Cable connections on front (in standard) and back rear side (in option).** Strain relievers on both ends to keep connections well protected.



**Full access for wire spool installation**  
Perfect feedability with 4 rolls and internal lights.



**Inspection window**

**COOL ARC® 26 (option)**



**Heavy duty undercarriage with big wheels**

Very solid, stable, metal made construction, low gas cylinder entry makes loading very easy.

**Rubber bumpers protecting feet**

## CITOMIG 185MP & 210MP

Many tasks, many locations.

- Innovative, robust, compact, portable and lightweight design ready to be used anywhere.
- Multiple Tasks CITOMIG 185MP: CV MIG, FCAW, Stick \ CITOMIG 210MP: CV MIG, CV Synergic, FCAW, Stick, TIG Lift.
- Power Factor Correction (PFC) – more welding power, energy and cost savings, generator compatible.
- User-friendly icon control panel.
- With complete two year parts and labour warranty.



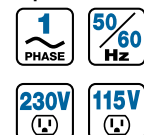
### Processes

Stick, Flux-Cored, Lift TIG (210MP), MIG

### Applications

- Small workshops
- Light steel construction
- General repairs
- Maintenance workshops

### Input



\* only Citomig 210MP

### Output



### UNIT INCLUDES

|                          |
|--------------------------|
| Input cable (2,2 m)      |
| Ground cable (3 m)       |
| Gas hose (2 m)           |
| Drive rolls (0,8-1,0 mm) |

| Product       | Reference  | Input (V)                | Fuse Type rG or Circuit Breaker Type Z | Rated Output (A) | Output Range (A) | Wire Feed Type / Speed Range (m/min) | Weight (kg) | Dimensions H x W x D (mm) | Protection Class |
|---------------|------------|--------------------------|--|------------------|------------------|--------------------------------------|-------------|---------------------------|------------------|
| CITOMIG 185MP | W000403579 | 230V/1Ph<br>50/60 Hz     |  |                  |                  |                                      |             |                           |                  |
| CITOMIG 210MP | W000403578 | 115/230V/1Ph<br>50/60 Hz | 16A (25A)                              | 200/24V/25%      | 20-200           | 2R / 1,5-15                          | 17,3        | 396 x 246 x 527           | IP23             |

## CITOPULS III 320C

Robust and reliable, multi-process, compact, industrial inverter with Pulse mode.

- User-friendly control panel: easy settings and process selection.
- Technological advance: 99 programs that can be used with the trigger, welding cycle sequencer.
- Ready for the heaviest industrial conditions: developed and tested under the hardest conditions to guarantee the reliability you need.
- Synergic mode – more than 99 synergic programs are available for precise control of welding parameters.
- Modular concept to meet all users' requirements.



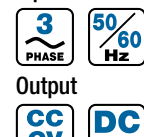
### Processes

MIG, FCAW, Stick

### Applications

- Metallic construction (on site and in workshop)
- Workshop & yard maintenance

### Input



### UNIT INCLUDES

|                                     |
|-------------------------------------|
| Input cable (5 m)                   |
| Work clamp and cable assembly (5 m) |
| Gas hose (2 m)                      |
| Wire spool adapter (300 mm)         |

| Product           | Reference  | Input (V)                    | Fuse Type rG or Circuit Breaker Type Z | Rated Output (A) | Output Range (A) | Feeding System     | WFS Range (m/min) | Weight (kg) | Dimensions H x W x D (mm) | Protection Class |
|-------------------|------------|------------------------------|--|------------------|------------------|--------------------|-------------------|-------------|---------------------------|------------------|
| CITOPULS III 320C | W000385051 | 400V 3Ph<br>±20%<br>50/60 Hz | 20A                                    | 320A/30V/40%     | 15-320           | 4 rolls /<br>37 mm | 0,5-25            | 28          | 755 x 300 x 523           | IP23             |

## CITOPULS III 420 & 520

Superior quality welding with advanced processes and features.

- New inverter generation offering 30% less primary consumption regarding conventional equipment.
- User-friendly control panel: easy settings and process selection.
- More than 100 synergic lines for any base material.
- Powerful installation up to 500 A at 60%.
- Full A1 automatic interface. This level of synchronization does not require an additional card, for simpler automatization.
- Storage of 100 welding programs (with expert wire feeder DMU P500 or advanced remote control RC JOB).
- Call programs by trigger torch.



### Processes

Standard MIG/MAG, Pulsed MIG/MAG, Special arc transfer, MIG brazing, MMA coated electrodes, Gouging (up to 6,3 mm diameter electrode)

### Applications

- Heavy Fabrication
- Structural
- General Fabrication
- Shipbuilding



### Input



### Output



### UNIT INCLUDES

Input cable (5 m)

Work clamp and cable assembly (5 m)

| Product          | Reference  | Input (V)     | Fuse Type rG or Circuit Breaker Type Z | Rated Output (A) | Output Range (A) | Weight (kg) | Dimensions H x W x D (mm) | Protection Class |
|------------------|------------|---------------|--|------------------|------------------|-------------|---------------------------|------------------|
| CITOPULS III 420 | W000383663 | 400V 3Ph      | 25A                                    | 420A/60%         | 15-420           | 34          | 525 x 295 x 720           | IP23             |
| CITOPULS III 520 | W000383664 | 50/60 Hz ±20% | 32A                                    | 500A/60%         | 15-500           | 40          |                           |                  |

### COMPATIBLE FEEDERS \*

| Product  | Reference  | CITOPULS III 420 | CITOPULS III 520 |
|----------|------------|------------------|------------------|
| DMU P400 | W000275265 | •                | •                |
| DMU P500 | W000275915 | •                | •                |

\* see chapter "SEMI-AUTOMATIC WIRE FEEDERS" for details

| Product  | Reference  | CITOSTEEL 355S | CITOSTEEL 425S | CITOSTEEL 505S | CITOPULS III 420 | CITOPULS III 520 |
|----------|------------|----------------|----------------|----------------|------------------|------------------|
| DMU P400 | W000275265 |                |                |                | •                | •                |
| DMU P500 | W000275915 |                |                |                | •                | •                |
| WF 52D   | W100000176 | •              | •              | •              |                  |                  |
| WF 56D   | W100000177 | •              | •              | •              |                  |                  |



**DMU P400**  
W000275265



**DMU P500**  
W000275915



**WF 52D**  
W100000176



**WF 56D**  
W100000177

**LG PROMIG 230T**



**LG PROMIG 270**



**LG PROMIG 300**



**LG PROMIG 330W**



**LG PROMIG 400**



**LG PROMIG 400W**



**LG PROMIG 500W**



**LGS2 240G**



**LGS2 250G**



**LGS2 360W**



**LGS2 505W**



MORE DETAILS PAGE 52

| Product  | Reference  | CITOMIG 185MP | CITOMIG 210MP | CITOSTEEL 250C | CITOSTEEL 320C | CITOSTEEL 250C PRO | CITOSTEEL 320C PRO | CITOSTEEL 380C PRO | CITOSTEEL 450C PRO | CITOSTEEL 355S | CITOSTEEL 425S | CITOSTEEL 505S | CITOPULS III 320C | CITOPULS III 420 / 520 |
|--|------------|---------------|---------------|----------------|----------------|--------------------|--------------------|--------------------|--------------------|----------------|----------------|----------------|-------------------|------------------------|
| <b>COOLERS</b>                                 |            |               |               |                |                |                    |                    |                    |                    |                |                |                |                   |                        |
| COOLARC® 26                                    | K14182-1   |               |               |                |                |                    |                    |                    |                    | •              | •              | •              | •                 |                        |
| COOLER III PW COMPACT                          | W000404340 |               |               |                |                |                    |                    |                    |                    |                |                |                |                   | •                      |
| COOLER III PW                                  | W000273516 |               |               |                |                |                    |                    |                    |                    |                |                |                |                   | •                      |
| Freezcool – cooling liquid for torches (9,6 l) | W000010167 |               |               |                |                |                    |                    |                    |                    | •              | •              | •              | •                 | •                      |



**COOLER III PW COMPACT**  
W000404340



**COOLER III PW**  
W000273516












**COOL ARC® 26**  
K14182-1



**FREEZCOOL**  
W000010167

| Product  | Reference               | CITOMIG 185MP | CITOMIG 210MP | CITOSTEEL 250C | CITOSTEEL 320C | CITOSTEEL 250C PRO | CITOSTEEL 320C PRO | CITOSTEEL 380C PRO | CITOSTEEL 450C PRO | CITOSTEEL 355S | CITOSTEEL 425S | CITOSTEEL 505S | CITOPULS III 320C | CITOPULS III 420 / 520 |
|--|-------------------------|---------------|---------------|----------------|----------------|--------------------|--------------------|--------------------|--------------------|----------------|----------------|----------------|-------------------|------------------------|
| <b>UNDERCARRIAGE</b>   |                         |               |               |                |                |                    |                    |                    |                    |                |                |                |                   |                        |
| 2-wheeled undercarriage  | W000375730              |               |               |                |                |                    |                    |                    |                    |                |                |                |                   | •                      |
| 4-wheeled MODULAR TROLLEY II   | W000383000              |               |               |                |                |                    |                    |                    |                    |                |                |                |                   | •                      |
| <b>ROLLS*</b>  |                         |               |               |                |                |                    |                    |                    |                    |                |                |                |                   |                        |
| Drive Roll KIT (2pcs / diameter 37 mm)                                   | KP14017-xx              |               |               |                |                |                    |                    |                    |                    |                |                |                |                   | •                      |
| Drive Roll KIT (4pcs / diameter 37 mm)                                   | KP14150-xx              |               |               | •              | •              | •                  | •                  | •                  | •                  |                |                |                |                   | •                      |
| Aluminium welding KIT 1,0-1,2  | W000277622              |               |               |                |                |                    |                    |                    |                    |                |                |                |                   | •                      |
| Aluminium welding KIT 1,2-1,6  | W000277623              |               |               |                |                |                    |                    |                    |                    |                |                |                |                   | •                      |
| <b>CABLES*</b>   |                         |               |               |                |                |                    |                    |                    |                    |                |                |                |                   |                        |
| Interconnection cable Air cooled   | W00027xxxx              |               |               |                |                |                    |                    |                    |                    |                |                |                |                   | •                      |
| Interconnection cable Water cooled Standard                              | W00027xxxx              |               |               |                |                |                    |                    |                    |                    |                |                |                |                   | •                      |
| Interconnection cable Water cooled Aluminium                             | W000371xxx              |               |               |                |                |                    |                    |                    |                    |                |                |                |                   | •                      |
| Interconnection cable Air cooled   | K14198-PG-xM            |               |               |                |                |                    |                    |                    |                    | •              | •              | •              |                   |                        |
| Interconnection cable Water cooled                                       | K14199-PGW-xM           |               |               |                |                |                    |                    |                    |                    | •              | •              | •              |                   |                        |
| Extension Welding Cable 70 mm <sup>2</sup> (5; 10; 15; 30 m) TM(M)-TM(F) | K14166-x (x=1, 2, 3, 4) |               |               |                |                |                    |                    |                    |                    | •              | •              | •              | •                 | •                      |
| Extension Welding Cable 95 mm <sup>2</sup> (5; 10; 15; 30 m) TM(M)-TM(F) | K14167-x (x=1, 2, 3, 4) |               |               |                |                |                    |                    |                    |                    | •              | •              | •              | •                 | •                      |
| <b>REMOTE CONTROL</b>  |                         |               |               |                |                |                    |                    |                    |                    |                |                |                |                   |                        |
| Remote control 15m (6PIN / 1POT)   | K10095-1-15M            |               |               |                |                | •                  | •                  | •                  | •                  |                |                |                |                   |                        |
| Extension cable for remote control (6PIN) 15 m                           | K10398                  |               |               |                |                | •                  | •                  | •                  | •                  |                |                |                |                   |                        |
| 12PIN to 6PIN Adapter  | K2909-1                 |               |               |                |                | •                  | •                  | •                  | •                  |                |                |                |                   |                        |
| Remote Control MIG Yoystick 7m   | K14091-1                |               |               |                |                | •                  | •                  | •                  | •                  |                |                |                |                   |                        |
| Remote control Simple Puls 10m   | W000275904              |               |               |                |                |                    |                    |                    |                    |                |                |                | •                 | •                      |
| RC JOB 10 m  | W000273134              |               |               |                |                |                    |                    |                    |                    |                |                |                |                   | •                      |
| Foot Amptrol™  | K870                    |               |               |                |                | •                  | •                  | •                  | •                  |                |                |                |                   |                        |
| Remote Control RC-7 Advanced   | K14203-1*               |               |               |                |                | •                  | •                  | •                  | •                  | •              | •              | •              |                   |                        |




\* see chapter OPTION's for details

|   |   |   |   |  |   |
|---|---|---|---|--|---|
|  |  |  |  |  |   |
| <b>REMOTE CONTROL RC-7 ADVANCED</b><br>K14203-1                                     | <b>UNIVERSAL TROLLEY</b><br>W000375730  | <b>MODULAR TROLLEY II</b><br>W000383000   | <b>DRIVE ROLL KIT Ø 37 mm</b><br>KP14017-XX   | <b>DRIVE ROLL KIT Ø 37 mm</b><br>KP14150-XX  |   |
|  |  |  |  |  |  |
| <b>ALUMINIUM WELDING KIT</b><br>W000277622  | <b>INTERCONNECTION CABLE</b><br>K14198-PG-XM<br>K14199-PGW-XM                       | <b>EXTENSION CABLE</b><br>K10398  | <b>FOOT AMPCTRL™</b><br>K870  | <b>REMOTE CONTROL SIMPLE PULS 10 m</b><br>W000275904                                 | <b>REMOTE CONTROL 15M</b><br>K10095-1-15M   |

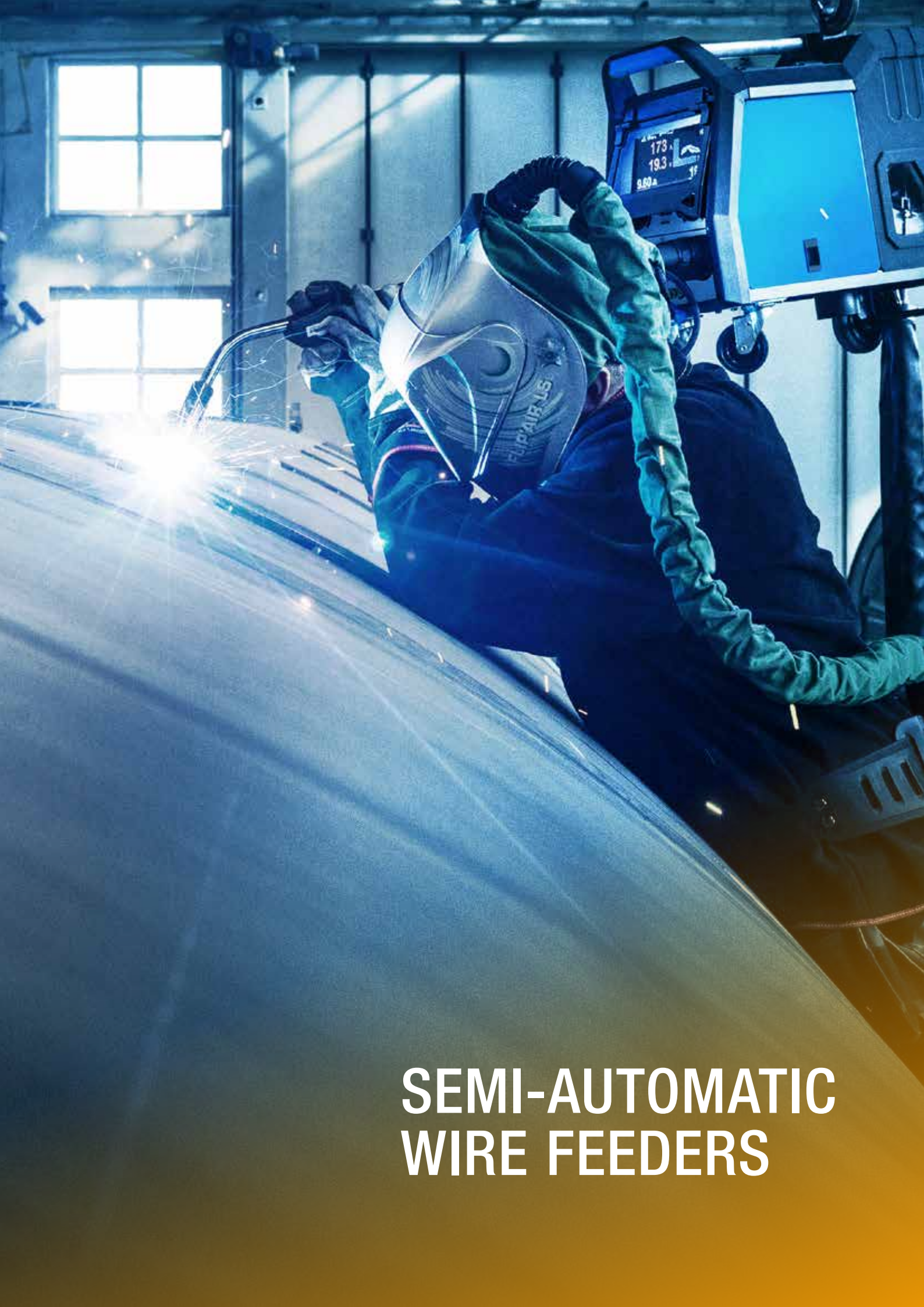
| Product                           | Reference  | CTOMIG 185MP | CTOMIG 210MP | CTOSTEEL 250C | CTOSTEEL 320C | CTOSTEEL 250C PRO | CTOSTEEL 320C PRO | CTOSTEEL 380C PRO | CTOSTEEL 450C PRO | CTOSTEEL 355S | CTOSTEEL 425S | CTOSTEEL 505S | CTOPULS III 320C | CTOPULS III 420 / 520 |
|-----------------------------------|------------|--------------|--------------|---------------|---------------|-------------------|-------------------|-------------------|-------------------|---------------|---------------|---------------|------------------|-----------------------|
| <b>OTHER OPTIONS</b>              |            |              |              |               |               |                   |                   |                   |                   |               |               |               |                  |                       |
| Arclink-T Flex                    | K14131-1   |              |              |               |               |                   |                   |                   |                   | •             | •             | •             |                  |                       |
| Adapter 5Pin(M)/12Pin(F)          | K14132-1   |              |              |               |               |                   |                   |                   |                   | •             | •             | •             |                  |                       |
| 12-PIN Remote control socket KIT  | K14290-1   |              |              |               |               | •                 | •                 | •                 | •                 |               |               |               |                  |                       |
| Polarity change KIT               | K14173-1   |              |              | •             | •             | •                 | •                 |                   |                   |               |               |               |                  |                       |
| Control panel cover KIT           | K14327-1   |              |              |               | •             | •                 | •                 |                   |                   |               |               |               |                  |                       |
| Gas flow meter KIT                | K14175-1   |              |              | •             | •             | •                 | •                 | •                 | •                 |               |               |               |                  |                       |
| Gas heater supply KIT (24Vac/80W) | K14176-1   |              |              | •             | •             | •                 | •                 | •                 | •                 | •             | •             | •             |                  |                       |
| Bumpers KIT                       | K14328-1   |              |              | •             | •             | •                 | •                 |                   |                   |               |               |               |                  |                       |
| Cable management kit              | K14201-1   |              |              |               |               |                   |                   |                   |                   | •             | •             | •             |                  |                       |
| Water connection kit              | K14208-1   |              |              |               |               |                   |                   |                   |                   | •             | •             | •             |                  |                       |
| Dust Filter                       | W000373703 |              |              |               |               |                   |                   |                   |                   |               |               |               | •                | •                     |
| Wire feeder drum quick connector  | K14204-1   |              |              | •             | •             | •                 | •                 | •                 | •                 |               |               |               |                  |                       |

| <b>ACCESSORIES</b>  |                  |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adapter for wire spool 200 mm                               | R-1019-125-1/08R |   |   | • | • | • | • | • | • |   |   |   |   | • |
| Adapter for wire spool 300 mm                               | K10158-1         |   |   | • | • | • | • | • | • |   |   |   |   | • |
| Adapter for wire spool 300 mm                               | K10158           |   |   | • | • | • | • | • | • |   |   |   |   | • |
| Welding cable 3/5m with Electrode Holder 200A (x=3, 5)      | E/H-200A-25-xM   | • | • |   |   |   |   |   |   |   |   |   |   |   |
| Welding cable 5/10m with Electrode Holder 300A (x=5, 10)    | E/H-300A-50-xM   |   |   | • | • | • | • |   |   |   |   |   |   | • |
| Welding cable 5/10m with Electrode Holder 400A (x=5, 10)    | E/H-400A-70-xM   |   |   | • | • | • | • | • | • | • | • | • | • | • |
| Welding cable 5/10m with Ground Clamp 200A (x=5, 10)        | GRD-200A-35-xM   | • | • |   |   |   |   |   |   |   |   |   |   |   |
| Welding cable 5/10m with Ground Clamp 300A (x=5, 10)        | GRD-300A-50-xM   |   |   | • | • | • | • |   |   |   |   |   |   | • |
| Welding cable 5/10/15m with Ground Clamp 400A (x=5, 10, 15) | GRD-400A-70-xM   |   |   | • | • | • | • | • | • | • | • |   |   | • |
| Welding cable 5/10m with Ground Clamp 600A (x=5, 10)        | GRD-600A-95-xM   |   |   | • | • | • | • | • | • | • | • | • | • | • |
| Stick Welding Cable KIT 200A-25mm <sup>2</sup> -3m          | KIT-200A-25-3M   | • | • |   |   |   |   |   |   |   |   |   |   |   |
| Stick Welding Cable KIT 200A-35mm <sup>2</sup> -5m          | KIT-200A-35-5M   | • | • |   |   |   |   |   |   |   |   |   |   |   |
| Stick Welding Cable KIT 300A-50mm <sup>2</sup> -5m          | KIT-300A-50-5M   |   |   | • | • | • | • |   |   |   |   |   |   | • |
| Stick Welding Cable KIT 400A-70mm <sup>2</sup> -5m          | KIT-400A-70-5M   |   |   |   |   |   |   | • | • |   |   |   |   | • |

\* see chapter "Options" for details

|   |   |   |   |  |   |
|---|---|---|---|--|---|
|  |          |  |  |  |  |
| <b>ELECTRODE HOLDER</b><br>E/H-200A-25-XM<br>E/H-300A-50-XM<br>E/H-400A-70-XM       | <b>GROUND CABLE</b><br>GRD-200A-35-XM<br>GRD-300A-50-XM<br>GRD-400A-70-XM<br>GRD-600A-95-XM | <b>6-PIN/12-PIN ADAPTER</b><br>K2909-1  | <b>DUST FILTER</b><br>W000373703  | <b>SPOOL ADAPTER 300 mm (15 KG)</b><br>K10158-1                                      | <b>SPOOL ADAPTER 300 mm (15 KG)</b><br>K10158   |





# SEMI-AUTOMATIC WIRE FEEDERS

## SEMI-AUTOMATIC WIRE FEEDERS

| MODEL    | REFERENCE  | SEMI-AUTOMATIC WIRE FEEDERS |              |                      |             |                |                   |           |        |             |                      |            |          |               |                 |                  |
|----------|------------|-----------------------------|--------------|----------------------|-------------|----------------|-------------------|-----------|--------|-------------|----------------------|------------|----------|---------------|-----------------|------------------|
|          |            | INPUT                       | OUTPUT       | WIRE SIZE RANGE (mm) |             |                | FEATURES          |           |        |             |                      |            |          |               |                 |                  |
|          |            | Input Power                 | Rated Output | Solid Wires          | Cored Wires | Aluminum Wires | Wire Drive System | AV Metres | Wheels | EURO socket | Socket for Electrode | Flow meter | Synergic | Control Cable | MIG gun Cooling | Warranty (years) |
|          |            | Digital                     |              |                      |             |                |                   |           |        |             |                      |            |          |               |                 |                  |
| WF 52D   | W100000176 | 40V DC                      | 500A/60%     | 0,8-1,6              | 0,9-1,6     | 1,0-1,6        | 4R                | LEDs      | •      | •           | •                    | O          | •        | 5P            | A/W             | 3                |
| WF 56D   | W100000177 | 40V DC                      | 500A/60%     | 0,8-1,6              | 0,9-1,6     | 1,0-1,6        | 4R                | TFT       | •      | •           | •                    | O          | •        | 5P            | A/W             | 3                |
| DMU P400 | W000275265 | 34-44V AC                   | 500A/60%     | 0,6-1,6              | 1,0-1,6     | 1,0-1,6        | 4R                |           | •      | •           | •                    | O          |          | 19P           | A/W             | 3                |
| DMU P500 | W000275915 | 34-44V AC                   | 500A/60%     | 0,6-1,6              | 1,0-1,6     | 1,0-1,6        | 4R                | LEDs+LCD  | •      | •           | •                    | O          | •        | 19P           | A/W             | 3                |

O – Option



## WF 52D & WF 56D

Designed to work with new Citosteel S power sources.

- NEW features: Date&Calendar, Speaker and stronger encoders (WF56D).
- Small, rugged and easy to handle feeders with bright digital meters.
- Digital communication protocol for welding, making it the best choice for seamless, time critical integration with the power source.
- Perfect feedability, four roll drive system with powerful motor.
- Easy-to-understand user interface panels make it easy to set weld parameters.
- Optimized wire spool installation, inspection window and lifting eye.
- Equipped with wheels as standard.

### UNIT INCLUDES

Drive roll 1,0-1,2 mm

User manual on USB



SYN  
SYNERGIC  
SETTINGS

WARRANTY  
**3**  
YEARS

Input

40  
VDC

Output



S300



| Product | Reference  | Drive Roll | Cooling | Rated Output (A) | Input Power | WFS Range (m/min) | Wire Size Range (mm) |         |           | Weight (kg) | Dimensions H x W x D (mm) |
|---------|------------|------------|---------|------------------|-------------|-------------------|----------------------|---------|-----------|-------------|---------------------------|
|         |            |            |         |                  |             |                   | Solid                | Cored   | Aluminium |             |                           |
| WF 52D  | W100000176 | 4          | AW      | 500A@60%         | 40V DC      | 1,5-22            | 0,8-1,6              | 1,0-1,6 | 1,0-1,6   | 17          | 516 x 302 x 642           |
| WF 56D  | W100000177 |            |         |                  |             |                   | 17,7                 |         |           |             |                           |

## DMU P400 & DMU P500

Designed to work with digital power sources.

- Small, rugged and easy to handle feeders with bright digital meters (P400 excl.).
- Four roll drive system with powerful motor.
- Storage of 100 welding programs with expert wire feeder DVU P500.
- Parameter locking with a digital code (with expert wire feeder DVU P500).
- Equipped with wheels as standard.

### UNIT INCLUDES

Adapter for 300mm spool wire



WARRANTY  
**3**  
YEARS

Input

42  
VAC

Output



S300

| Product  | Reference  | Drive Roll | Cooling | Rated Output (A) | Input Power | WFS Range (m/min) | Wire Size Range (mm) |         |           | Weight (kg) | Dimensions H x W x D (mm) |
|----------|------------|------------|---------|------------------|-------------|-------------------|----------------------|---------|-----------|-------------|---------------------------|
|          |            |            |         |                  |             |                   | Solid                | Cored   | Aluminium |             |                           |
| DMU P400 | W000275265 | 4          | AW      | 500A@60%         | 34-44V AC   | 0,5-25            | 0,6-1,6              | 1,0-1,6 | 1,0-1,6   | 17,5        | 262 x 603 x 446           |
| DMU P500 | W000275915 |            |         |                  |             |                   |                      |         |           |             |                           |

| Product                                | Reference  | Wire Feed 52D | Wire Feed 56D | DMU P400/P500/M500 |
|--|------------|---------------|---------------|--------------------|
| <b>ROLLS*</b>                          |            |               |               |                    |
| Drive Roll KIT (2pcs / diameter 37 mm) | KP14017-xx |               |               |                    |
| Drive Roll KIT (4pcs / diameter 37 mm) | KP14150-xx | •             | •             |                    |
| Aluminium welding KIT 1,0-1,2          | W000277622 |               |               | •                  |
| Aluminium welding KIT 1,2-1,6          | W000277623 |               |               | •                  |

| <b>CABLES*</b>                               |               |   |   |   |
|--|---------------|---|---|---|
| Interconnection cable Air cooled             | K14198-PG-xM  | • | • |   |
| Interconnection cable Water cooled           | K14199-PGW-xM | • | • |   |
| Interconnection cable Air cooled             | W00027xxxx    |   |   | • |
| Interconnection cable Water cooled Standard  | W00027xxxx    |   |   | • |
| Interconnection cable Water cooled Aluminium | W000371xxx    |   |   | • |

| <b>REMOTE CONTROL</b>                          |              |   |      |   |
|--|--------------|---|------|---|
| Remote control 15m (6PIN / 1POT)               | K10095-1-15M |   | •    |   |
| Extension cable for remote control (6PIN) 15 m | K10398       |   | •    |   |
| Remote Control MIG Yoystick 7m                 | K14091-1     |   | •    |   |
| Remote Control 6PIN (7,6M)                     | K857         |   | •(2) |   |
| Remote Control 6PIN (30,4M)                    | K857-1       |   | •(2) |   |
| Remote Control 12PIN (7,6M)                    | K857-2       |   | •    |   |
| Remote Control 12PIN (30,4M)                   | K857-3       |   | •    |   |
| Remote Control Simple Puls 10m                 | W000275904   |   |      | • |
| RC JOB 10m                                     | W000273134   |   |      | • |
| Remote Control RC-7 Advanced                   | K14203-1     | • | •    |   |

| <b>OTHER OPTIONS</b>             |            |   |   |   |
|----------------------------------|------------|---|---|---|
| Gas flow meter KIT               | K14175-1   | • | • |   |
| Wire feeder drum quick connector | K14204-1   | • | • |   |
| 12PIN to 6PIN Adapter            | K2909-1    |   | • |   |
| Gas flow meter KIT for DMU       | W000275905 |   |   | • |
| Sling with hook                  | K14378-1   | • | • |   |

| <b>ACCESSORIES</b>                                       |                  |   |   |   |
|--|------------------|---|---|---|
| Adapter for wire spool 200 mm                            | R-1019-125-1/08R | • | • | • |
| Adapter for wire spool 300 mm                            | K10158-1         | • | • | • |
| Adapter for wire spool 300 mm                            | K10158           | • | • | • |
| Welding cable 5/10m with Electrode Holder 300A (x=5, 10) | E/H-300A-50-xM   | • | • | • |
| Welding cable 5/10m with Electrode Holder 400A (x=5, 10) | E/H-400A-70-xM   | • | • | • |

| <b>UNDERCARRIAGE</b>    |            |   |   |   |
|-------------------------|------------|---|---|---|
| Trolley for wire feeder | W000275908 |   |   | • |
| Cart HD (WF52D/WF56D)   | K14350-1   | • | • |   |

\* see chapter "Options" for details

(1) require 2pcs  
(2) require K2909-1 adapter



**TIG WELDERS**

## TIG WELDERS

| MODEL               | REFERENCE  | INPUT |             | OUTPUT         |      |          | PROCESS           |       |          |        | FEATURES  |     |                               |         |        |             |                  |
|---------------------|------------|-------|-------------|----------------|------|----------|-------------------|-------|----------|--------|-----------|-----|-------------------------------|---------|--------|-------------|------------------|
|                     |            | Phase | Voltage (V) | Frequency (Hz) | Mode | Polarity | Current Range (A) | Stick | Lift TIG | TIG HF | TIG Pulse | PFC | Motor generator compatibility | Up/Down | Memory | Metres (AV) | Warranty (years) |
| TIG DC (1 phase)    |            |       |             |                |      |          |                   |       |          |        |           |     |                               |         |        |             |                  |
| CITOTIG 1600 HPF    | W000273517 | 1     | 230         | 50/60          | CC   | DC       | 5-160             | •     | •        | •      |           | •   | •                             |         |        |             | 2                |
| CITOTIG 1800 FORCE  | W000382579 | 1     | 230         | 50/60          | CC   | DC       | 5-160             | •     | •        | •      | •         | •   | •                             |         | •      | •           | 2                |
| CITOTIG 2200 FORCE  | W000382580 | 1     | 230         | 50/60          | CC   | DC       | 5-220             | •     | •        | •      | •         | •   | •                             |         | •      | •           | 2                |
| TIG DC (3 phase)    |            |       |             |                |      |          |                   |       |          |        |           |     |                               |         |        |             |                  |
| CITOTIG 315 DC      | W000403581 | 3     | 400         | 50/60          | CC   | DC       | 5-300             | •     | •        | •      | •         |     | •                             | •       | •      | •           | 3                |
| CITOTIG 415 DC      | W000403583 | 3     | 400         | 50/60          | CC   | DC       | 5-400             | •     | •        | •      | •         |     | •                             | •       | •      | •           | 3                |
| TIG AC/DC (1 phase) |            |       |             |                |      |          |                   |       |          |        |           |     |                               |         |        |             |                  |
| CITOTIG 200 AC/DC   | W000404214 | 1     | 115/230     | 50/60          | CC   | AC/DC    | 2-200             | •     | •        | •      | •         | •   | •                             | •       | •      | •           | 3                |
| TIG AC/DC (3 phase) |            |       |             |                |      |          |                   |       |          |        |           |     |                               |         |        |             |                  |
| CITOTIG 315 AC/DC   | W000403604 | 3     | 230/400     | 50/60          | CC   | AC/DC    | 2-300             | •     | •        | •      | •         | •   | •                             |         | •      | •           | 3                |

## CITOTIG 1600 HPF

Leading technology in TIG DC welding. User friendly interface.

- Robust design – varnished PC boards.
- Improved generator compatibility: +/- 20% Input voltage variation, PFC controller.
- Usable with great length of primary cable (up to 70 m in 2,5 mm<sup>2</sup> section).
- Good welding in TIG HF and TIG Lift mode.
- Hot start function and anti-sticking device.
- Portable – light weight: only 9,5 kg.
- Reduced noise – "intelligent" cooling fan.
- Save energy – low current consumption.
- Simple control panel – full control, easy set up.
- 2 year warranty for labour and parts without limitations.
- Motor generator compatible.



### Processes

Stick, Lift TIG, TIG HF

### Applications

- Light industry
- Motorsports
- Maintenance and repair
- Process and food industry
- Intervention service

### Input



### Output



LONG : 70 m  
SECTION : 3 x 2.5 mm<sup>2</sup>

### UNIT INCLUDES

|                                    |
|------------------------------------|
| Input cable with schuko plug (3 m) |
| Ground cable (3 m)                 |
| Gas connection kit                 |



| Product          | Reference  | Voltage (V) | Input voltage tolerance | Frequency (Hz) | Output range (A) | Rated Output          | Fuse Size (A) (slow) | Cooling (Air / Water) | Dimensions H x W x D (mm) | Weight (kg) | Protection / Insulation Class |
|------------------|------------|-------------|-------------------------|----------------|------------------|-----------------------|----------------------|-----------------------|---------------------------|-------------|-------------------------------|
| CITOTIG 1600 HPF | W000273517 | 230         | +/- 20%                 | 50/60          | 5-160            | 160A@35%<br>120A@100% | 16                   | Air                   | 205 x 345 x 460           | 9,5         | IP23S / H                     |

## CITOTIG 1800 FORCE

Advanced inverter technology for superior TIG performance.  
Very good HF arc ignition; stable, focused and fast arc.

- Robust design – varnished PC boards.
- Improved generator compatibility: +/- 20% input voltage variation, PFC controller.
- Usable with great length of primary cable (up to 70 m in 2,5 mm<sup>2</sup> section).
- Decent welding in TIG HF and TIG Lift mode.
- Hot start function and anti-sticking device.
- Portable – light weight: only 10,2 kg.
- Reduced noise – "intelligent" cooling fan.
- Energy-saving – low current consumption.
- Simple control panel – easy setup, full control.
- Unlimited labour and parts 2 year warranty.
- Optional remote control.
- Possibility to use with autonomous water cooler system FREEZTIG (W000382728).
- Program storage capability (30).
- Digital display.
- Motor generator compatible.



### Processes

Stick, Lift TIG, TIG HF, TIG Pulse

### Applications

- Light industry
- Motorsports
- Maintenance and repair
- Process and food industry
- Intervention service

### Input



### Output



LONG : 70 m  
SECTION : 3 x 2.5 mm<sup>2</sup>  
WATER COOLING

### UNIT INCLUDES

|                                    |
|------------------------------------|
| Input cable with schuko plug (3 m) |
| Ground cable (3 m)                 |
| Gas connection kit                 |



| Product            | Reference  | Voltage (V) | Input voltage tolerance | Frequency (Hz) | Output range (A) | Rated Output          | Fuse Size (A) (slow) | Cooling (Air / Water) | Dimensions H x W x D (mm) | Weight (kg) | Protection / Insulation Class |
|--------------------|------------|-------------|-------------------------|----------------|------------------|-----------------------|----------------------|-----------------------|---------------------------|-------------|-------------------------------|
| CITOTIG 1800 FORCE | W000382579 | 230         | +/- 20%                 | 50/60          | 5-160            | 160A@40%<br>130A@100% | 16                   | Air / Water           | 205 x 345 x 460           | 10,2        | IP23S / H                     |

## CITOTIG 2200 FORCE

Advanced inverter technology for superior TIG performance.  
Very good HF arc ignition; stable, focused and fast arc.

- Robust design – varnished PC boards.
- Improved generator compatibility: +/- 20% input voltage variation, PFC controller.
- Program storage capability (30).
- Usable with great length of primary cable (up to 70 m in 2,5 mm<sup>2</sup> section).
- Excellent welding in TIG HF and TIG Lift mode.
- Hot start function and anti-sticking device.
- Digital display.
- Portable – light weight: only 10,2 kg.
- Reduced noise – "intelligent" cooling fan.
- Energy-saving – low current consumption.
- Simple control panel – easy setup, full control.
- Unlimited labour and parts 2 year warranty.
- Possibility to use with autonomous water cooling system FREEZTIG (W000382728).
- Optional remote control.
- Motor generator compatible.



**Processes**

Stick, Lift TIG, TIG HF, TIG Pulse

**Applications**

- Light industry
- Motorsports
- Maintenance and repair
- Process and food industry
- Intervention service



LONG : 70 m  
SECTION : 3 x 2.5 mm<sup>2</sup>

**Input**



**Output**



**UNIT INCLUDES**

- Input cable with schuko plug (3 m)
- Ground cable (3 m)
- Gas connection kit



| Product            | Reference  | Voltage (V) | Input voltage tolerance | Frequency (Hz) | Output range (A) | Rated Output          | Fuse Size (A) (slow) | Cooling (Air / Water) | Dimensions H x W x D (mm) | Weight (kg) | Protection / Insulation Class |
|--------------------|------------|-------------|-------------------------|----------------|------------------|-----------------------|----------------------|-----------------------|---------------------------|-------------|-------------------------------|
| CITOTIG 2200 FORCE | W000382580 | 230         | +/- 20%                 | 50/60          | 5-220            | 220A@40%<br>150A@100% | 16                   | Air / Water           | 205 x 345 x 460           | 10,2        | IP23S / H                     |

## CITOTIG 315 DC & 415 DC

Advanced inverter technology for superior DC TIG performance.  
Industrial TIG welder for tough conditions.

- Fully functional, user-friendly control panel layout with graph and numeric display makes it easy to set all welding parameters.
- Rugged construction: electrical safety (IP23S), potted PC boards and optimum airflow reduce contamination to extend the equipment's lifespan in the harshest environmental conditions.
- HF and Lift TIG ignition meeting all requirements.
- Perfect TIG HF starting with pre-settable starting mode.
- Complete TIG parameters setting: Pulse TIG with variable frequency that allows the welder to adjust the arc focus to suit the applications, 10 memory slots for personalized welding settings, TIG Spot welding.
- Water Coolers and Carts available.
- 3 year warranty – for labour and parts.
- Optional remote control.
- Up/down function.
- Cellulosic capability.
- Motor generator compatible.



**Processes**

Stick, Lift TIG, TIG HF, TIG pulse

**Applications**

- Heavy industrial applications
- Industrial plants
- Maintenance and repair
- Pipe construction
- Process and food industry
- Metal construction
- Aerospace industry
- Nuclear industry
- Chemical industry



**Input**



**Output**



**UNIT INCLUDES**

- Input cable (2m)
- Gas connection kit

| Product        | Reference  | Voltage (V) | Input voltage tolerance | Frequency (Hz) | Output range (A) | Rated Output                    | Fuse Size (A) (slow) | Cooling (Air / Water) | Dimensions H x W x D (mm) | Weight (kg) | Protection / Insulation Class |
|----------------|------------|-------------|-------------------------|----------------|------------------|---------------------------------|----------------------|-----------------------|---------------------------|-------------|-------------------------------|
| CITOTIG 315 DC | W000403581 | 400         | +/- 15%                 | 50/60          | 5-300            | 300A/22V/40%<br>220A/18,8V/100% | 20                   | Air / Water           | 349 x 247 x 502           | 22,1        | IP23S / H                     |
| CITOTIG 415 DC | W000403583 |             |                         |                | 5-400            | 400A/26V/35%<br>300A/22V/100%   | 30                   |                       | 455 x 301 x 632           | 37          |                               |



## CITOTIG 200 AC/DC

Leading technology in TIG AC/DC welding with a user-friendly interface and innovative remote control system in the torch.

- Superb arc performance – Excellent HF ignition, stable & fast arc, minimum current 2A.
- Advanced TIG AC & DC Functions – Four wave shapes, Pulse, adjustable Balance and Offset, innovative and simple control panel, AC auto setting.
- Generator compatible, ideal for site use.
- Cellulosic capability.
- Bright digital display – easy setup buttons, 9 memory slots, new control in the TIG torch.
- Energy efficient 1 phase buck-boost circuit for energy saving.
- Robust design – Potted PCBs, True HD design (special protection for use in harsh conditions).
- Best aluminium welding performance.
- Up/down function.
- Water Coolers and Cart available.
- Motor generator compatible.

### UNIT INCLUDES

- Input cable (3 m)
- Gas connection kit



### Processes

Stick DC, Stick AC, TIG DC, TIG AC, TIG Lift, TIG HF, TIG Pulse

### Applications

- Industrial applications
- Industrial plants
- Maintenance and repair
- Pipe construction
- Process and food industry
- Metal construction
- Aerospace industry
- Chemical industry
- Aluminium solutions



### Input



### Output



| Product           | Reference  | Primary Voltage (50-60 Hz) | Current Range (A) | Rated Output          | Fuse Size (A) (slow) | Weight (kg) | Dimensions WxLxD (mm) | Protection Class |
|-------------------|------------|----------------------------|-------------------|-----------------------|----------------------|-------------|-----------------------|------------------|
| CITOTIG 200 AC/DC | W000404214 | 115/230V/1Ph +/- 15%       | 2-200             | 200A@35%<br>130A@100% | 16A                  | 23          | 419 x 246 x 506       | IP23             |

## TIG AC/DC / THREE PHASE INVERTER WELDERS

## CITOTIG 315 AC/DC

For superior TIG performance.

- Advanced waveform technology for the best aluminium welding performance.
- Superb welding characteristics with TIG DC, TIG AC and Stick welding processes.
- Adjustable cleaning and penetration for perfect aluminium welding.
- Variable AC frequency (40-400 Hz) for the control of travel speed and penetration.
- Fully functional, user-friendly control panel layout with graph and a numeric display makes it easy to set all welding parameters.
- Cellulosic capability.
- Energy efficient 3 phase buck-boost circuit for energy saving.
- Robust design – Potted PCBs, True HD design (special protection for use in harsh conditions).
- Best aluminium welding performance.
- Water Coolers and Cart available.
- Motor generator compatible.

### UNIT INCLUDES

- Input cable (3 m)
- Gas connection kit



### Processes

Stick DC, Stick AC, TIG DC, TIG AC, TIG Lift, TIG HF, TIG Pulse

### Applications

- Heavy industrial applications
- Industrial plants
- Maintenance and repair
- Pipe construction
- Process and food industry
- Metal construction
- Aerospace industry
- Chemical industry
- Nuclear industry
- Aluminium solutions

### Input



### Output



| Product           | Reference  | Primary Voltage (50-60 Hz) | Current Range (A) | Rated Output                  | Fuse Size (A) (slow) | Weight (kg) | Dimensions WxLxD (mm) | Protection / Insulation Class |
|-------------------|------------|----------------------------|-------------------|-------------------------------|----------------------|-------------|-----------------------|-------------------------------|
| CITOTIG 315 AC/DC | W000403604 | 230/400V/3Ph               | 2-300             | 300A/22V/35%<br>200A/18V/100% | 32/20                | 43          | 455 x 301 x 632       | IP23 / H                      |

# TIG TORCHES

| Series      | Size | Rate | Application  | Extra Flex Cable | HD expendables | Up /Down | Ergonomic handle | Adjustable neck | Valve version available | Flex Neck version available | Round Handle |      |      |      |      |      |      |      |      |      |      |      |
|-------------|------|------|--------------|------------------|----------------|----------|------------------|-----------------|-------------------------|-----------------------------|--------------|------|------|------|------|------|------|------|------|------|------|------|
|             |      |      |              |                  |                |          |                  |                 |                         |                             |              | 110A | 125A | 135A | 150A | 180A | 200A | 220A | 250A | 320A | 350A | 450A |
| PROTIG IIIS | 10   | 35%  | Industrial   | •                | •              |          |                  |                 |                         |                             | •            | ■    |      |      |      |      |      |      |      |      |      |      |
|             | 20   |      |              | •                | •              |          |                  |                 |                         |                             | •            | ■    | ■    |      |      |      |      |      |      |      |      |      |
|             | 30   |      |              | •                | •              |          |                  |                 |                         |                             | •            | ■    | ■    | ■    |      |      |      |      |      |      |      |      |
|             | 40   | •    |              | •                |                |          |                  |                 |                         | •                           | ■            | ■    | ■    | ■    |      |      |      |      |      |      |      |      |
|             | 10W  | 100% |              | •                | •              |          |                  |                 |                         |                             | •            | ■    | ■    | ■    | ■    | ■    |      |      |      |      |      |      |
|             | 35W  |      |              | •                | •              |          |                  |                 |                         |                             | •            | ■    | ■    | ■    | ■    | ■    | ■    |      |      |      |      |      |
| 40W         | •    |      | •            |                  |                |          |                  |                 | •                       | ■                           | ■            | ■    | ■    | ■    | ■    | ■    |      |      |      |      |      |      |
| PROTIG NGS  | 10   | 35%  | Industrial   | •                | •              | •        | •                | •               |                         |                             |              | ■    |      |      |      |      |      |      |      |      |      |      |
|             | 20   |      |              | •                | •              | •        | •                | •               |                         |                             |              | ■    | ■    |      |      |      |      |      |      |      |      |      |
|             | 30   |      |              | •                | •              | •        | •                | •               |                         |                             |              | ■    | ■    | ■    |      |      |      |      |      |      |      |      |
|             | 40   | •    |              | •                | •              | •        | •                |                 |                         |                             | ■            | ■    | ■    | ■    |      |      |      |      |      |      |      |      |
|             | 10W  | 100% |              | •                | •              | •        | •                | •               | •                       |                             |              |      | ■    | ■    | ■    | ■    | ■    |      |      |      |      |      |
|             | 35W  |      |              | •                | •              | •        | •                | •               |                         |                             |              | ■    | ■    | ■    | ■    | ■    | ■    |      |      |      |      |      |
| 40W         | •    |      | •            | •                | •              | •        |                  |                 |                         | ■                           | ■            | ■    | ■    | ■    | ■    | ■    |      |      |      |      |      |      |
| WTT2        | 9    | 35%  | Professional |                  |                |          | •                |                 | •                       | •                           | ■            |      |      |      |      |      |      |      |      |      |      |      |
|             | 17   |      |              |                  |                |          | •                |                 | •                       | •                           | ■            | ■    |      |      |      |      |      |      |      |      |      |      |
|             | 26   |      |              |                  |                |          | •                |                 | •                       | •                           | ■            | ■    | ■    |      |      |      |      |      |      |      |      |      |
|             | 20   | 100% |              |                  |                |          | •                |                 | •                       | •                           | ■            | ■    | ■    | ■    |      |      |      |      |      |      |      |      |
|             | 18   |      |              |                  |                |          | •                |                 | •                       | •                           | ■            | ■    | ■    | ■    | ■    | ■    |      |      |      |      |      |      |



PROTIG IIIS



PROTIG NGS



WTT2

■ air cooled  
■ water cooled

MORE DETAILS PAGE 58

TIG WELDERS

- CITOTIG 1600 HPF
- CITOTIG 1800 FORCE
- CITOTIG 2200 FORCE
- CITOTIG 315 DC
- CITOTIG 415 DC
- CITOTIG 200 AC/DC
- CITOTIG 315 AC/DC

### TIG PREMIUM TORCHES AIR

|                   | 5 m          | 8 m          |   |   |   |   |   |   |   |
|-------------------|--------------|--------------|---|---|---|---|---|---|---|
| PROTIG IIIS 10 RL | W000382715-2 | W000382716-2 | • | • |   |   |   |   |   |
| PROTIG IIIS 20 RL | W000382717-2 | W000382718-2 | • | • | • |   |   | • |   |
| PROTIG IIIS 30 RL | W000382719-2 | W000382720-2 |   |   | • | • | • | • | • |
| PROTIG IIIS 40 RL | W000382721-2 | W000382722-2 |   |   |   |   | • | • | • |
| PROTIG NGS 10 EB  | W000278394-2 | W000278395-2 | • | • |   |   |   |   |   |
| PROTIG NGS 20 EB  | W000278396-2 | W000278397-2 | • | • | • |   |   | • |   |
| PROTIG NGS 30 EB  | W000278398-2 | W000278399-2 |   |   | • | • | • | • | • |
| PROTIG NGS 40 EB  | W000278400-2 | W000278401-2 |   |   |   | • | • |   | • |

### TIG PREMIUM TORCHES WATER

|                    | 5 m          | 8 m          |   |   |   |   |   |   |   |
|--------------------|--------------|--------------|---|---|---|---|---|---|---|
| PROTIG IIIS 10W RL | W000382723-2 | W000382724-2 |   | • | • | • |   | • |   |
| PROTIG IIIS 35W RL | W000382725-2 | W000382726-2 |   |   |   | • | • |   | • |
| PROTIG IIIS 40W RL | W000382727-2 | -            |   |   |   |   | • |   |   |
| PROTIG NGS 10W EB  | W000278402-2 | W000278403-2 | • | • | • |   |   | • |   |
| PROTIG NGS 35W EB  | W000278404-2 | W000278405-2 |   |   |   | • | • |   | • |
| PROTIG NGS 40W EB  | W000278406-2 | W000278407-2 |   |   |   |   | • |   |   |

### STANDARD TIG TORCHES AIR

|                | 4 m        | 8 m        |   |   |   |   |   |   |   |
|----------------|------------|------------|---|---|---|---|---|---|---|
| WTT2 17 RL C5B | W000278884 | W000278917 | • | • | • |   |   |   |   |
| WTT2 17 EB C5B | W000278882 | W000278919 | • | • | • |   |   |   |   |
| WTT2 26 RL C5B | W000278890 | W000278913 | • | • | • | • | • | • | • |
| WTT2 26 EB C5B | W000278887 | W000278915 | • | • | • | • | • | • | • |

### STANDARD TIG TORCHES WATER

|                | 4 m        | 8 m        |   |   |   |   |   |   |   |
|----------------|------------|------------|---|---|---|---|---|---|---|
| WTT 18W RL C5B | W000278898 | W000278899 |   |   |   | • | • |   | • |
| WTT 18W EB C5B | W000278896 | W000278901 |   |   |   | • | • |   | • |
| WTT 20W RL C5B | W000278894 | W000278905 | • | • | • | • | • | • | • |
| WTT 20W EB C5B | W000278892 | W000278909 | • | • | • | • | • | • | • |

## Tungsten electrodes

## WS 2-Rare Earths

| Ø (mm) | Length (mm) | Reference  |
|--------|-------------|------------|
| 1.6    | 175         | W000335167 |
| 2.4    | 175         | W000335169 |
| 3.2    | 175         | W000335171 |

## WLa 15-Lanthanum 1.5%

| Ø (mm) | Length (mm) | Reference  |
|--------|-------------|------------|
| 1.6    | 150         | W000402663 |
| 2.0    | 150         | W000402664 |
| 2.4    | 150         | W000402665 |
| 3.2    | 150         | W000402667 |

## WP-Pure Tungsten

| Ø (mm) | Length (mm) | Reference  |
|--------|-------------|------------|
| 1.6    | 150         | W000010010 |
| 1.6    | 175         | W000010375 |
| 2.0    | 150         | W000010011 |
| 2.4    | 150         | W000010012 |
| 2.4    | 175         | W000010377 |
| 3.2    | 150         | W000010014 |
| 3.2    | 175         | W000010378 |
| 4.0    | 150         | W000010015 |

## WLa20-Lanthanum 2%

| Ø (mm) | Length (mm) | Reference  |
|--------|-------------|------------|
| 1.0    | 150         | W000010373 |
| 1.6    | 150         | W000010016 |
| 1.6    | 175         | W000010385 |
| 2.0    | 150         | W000010017 |
| 2.0    | 175         | W000010386 |
| 2.4    | 150         | W000010018 |
| 2.4    | 175         | W000010387 |
| 3.2    | 150         | W000010020 |
| 3.2    | 175         | W000010388 |
| 4.0    | 150         | W000010021 |

## WCe-Cerium 2%

| Ø (mm) | Length (mm) | Reference  |
|--------|-------------|------------|
| 1.6    | 150         | W000010023 |
| 1.6    | 175         | W000335153 |
| 2.0    | 150         | W000010024 |
| 2.4    | 150         | W000010025 |
| 2.4    | 175         | W000335154 |
| 3.2    | 150         | W000335150 |
| 3.2    | 175         | W000335157 |
| 4.0    | 150         | W000010028 |

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| Product  | Reference       | CITOTIG 1600 HPF | CITOTIG 1800 FORCE | CITOTIG 2200 FORCE | CITOTIG 315 DC | CITOTIG 415 DC | CITOTIG 200 AC/DC | CITOTIG 315 AC/DC |
|--|-----------------|------------------|--------------------|--------------------|----------------|----------------|-------------------|-------------------|
| Freeztig   | W000382728      |                  | •                  | •                  |                |                |                   |                   |
| Freezcool – cooling liquid for torches (9,6 l)     | W000010167      |                  | •                  | •                  | •              | •              | •                 | •                 |
| COOLERTIG 3  | W000403940      |                  |                    |                    | •              |                |                   |                   |
| COOL ARC® 24                                       | K14190-1        |                  |                    |                    |                | •              |                   |                   |
| COOLERTIG 4  | W000403941      |                  |                    |                    |                | •              | •                 |                   |
| Kit 35C50  | W000011139      |                  |                    |                    | •              |                | •                 |                   |
| Kit 50C50  | W000260681      |                  |                    |                    | •              |                | •                 |                   |
| Kit 50C50+   | W000260682      |                  |                    |                    |                | •              |                   |                   |
| Electrode holder – 300A – 50 mm <sup>2</sup> – 5 m | E/H-300A-50-5M  |                  |                    |                    | •              | •              | •                 | •                 |
| Ground cable 200A – 35 mm <sup>2</sup> – 5 m       | GRD-200A-35-5M  | •                | •                  | •                  |                |                | •                 |                   |
| Ground cable 300A – 50 mm <sup>2</sup> – 5 m       | GRD-300A-50-5M  |                  |                    |                    | •              |                |                   | •                 |
| Ground cable 300A – 50 mm <sup>2</sup> – 10 m      | GRD-300A-50-10M |                  |                    |                    | •              |                |                   | •                 |
| Ground cable 400A – 70 mm <sup>2</sup> – 5 m       | GRD-400A-70-5M  |                  |                    |                    |                | •              |                   |                   |
| Ground cable 400A – 70 mm <sup>2</sup> – 10 m      | GRD-400A-70-10M |                  |                    |                    |                | •              |                   |                   |
| Foot pedal   | W000241602      |                  | •                  | •                  |                |                |                   |                   |
| Remote control – 10 m                              | W000219557      |                  | •                  | •                  |                |                |                   |                   |
| Foot Amptroni™                                     | K870            |                  | •                  | •                  | •              | •              | •                 | •                 |
| Remote control – hand 15 m                         | K14147-1        |                  | •                  | •                  | •              | •              | •                 | •                 |
| Extension for hand remote control – 15 m           | K14148-1        |                  | •                  | •                  | •              | •              | •                 | •                 |
| CART 3   | W000404145      |                  |                    |                    | •              |                |                   |                   |
| CART 4   | W000404146      |                  |                    |                    |                | •              | •                 |                   |
| Cart 24  | K14191-1        |                  |                    |                    |                |                | •                 |                   |
| Universal Trolley                                  | W000375730      | •                | •                  | •                  |                |                |                   |                   |

ACCESSORIES



**COOLERTIG 3**  
W000403940



**COOLERTIG 4**  
W000403941



**FREEZTIG**  
W000382728



**COOL ARC®24**  
K14190-1



**FREEZCOOL**  
W000010167



**CART 24**  
K14191-1



**UNIVERSAL TROLLEY**  
W000375730



**CART 3**  
W000404145



**CART 4**  
W000404146



**CABLE KITS**  
W000011138  
W000260683  
W000011139  
W000260681  
W000260682



**GROUND CABLE**  
GRD-200A-35-5M  
GRD-200A-35-10M  
GRD-300A-50-5M  
GRD-300A-50-10M  
GRD-400A-70-5M  
GRD-400A-70-10M



**FOOT PEDAL**  
W000241602



**FOOT AMPCTRL™**  
K870



**REMOTE CONTROL**  
K14147-1



**EXTENSION FOR REMOTE CONTROL**  
K14148-1



**ELECTRODE HOLDER**  
E/H-300A-50-5M



**STICK WELDERS**

## STICK WELDERS

| MODEL               | REFERENCE  | INPUT |             |                | OUTPUT |          |                   | PROCESS |          |             |                       | FEATURES |         |     |                  |
|---------------------|------------|-------|-------------|----------------|--------|----------|-------------------|---------|----------|-------------|-----------------------|----------|---------|-----|------------------|
|                     |            | Phase | Voltage (V) | Frequency (Hz) | Mode   | Polarity | Current Range (A) | Stick   | Lift TIG | TIG Scratch | Cellulosic capability | Gouging  | Display | PFC | Warranty (years) |
| Inverter            |            |       |             |                |        |          |                   |         |          |             |                       |          |         |     |                  |
| MINIARC 3,2         | W000385238 | 1     | 230         | 50/60          | CC     | DC       | 10-150            | •       |          | •           |                       |          |         |     | 2                |
| CITOARC 1600        | W000385242 | 1     | 230         | 50/60          | CC     | DC       | 5-150             | •       |          | •           |                       |          |         |     | 2                |
| CITOARC 1750        | W000385243 | 1     | 230         | 50/60          | CC     | DC       | 5-160             | •       |          | •           |                       |          |         |     | 2                |
| CITOARC 1650 FORCE  | W000385256 | 1     | 230         | 50/60          | CC     | DC       | 10-160            | •       | •        |             |                       |          |         | •   | 2                |
| CITOARC 1850 FORCE  | W000385253 | 1     | 230         | 50/60          | CC     | DC       | 10-180            | •       | •        |             |                       |          |         | •   | 2                |
| CITOARC 1900C FORCE | W000385258 | 1     | 230         | 50/60          | CC     | DC       | 5-160             | •       | •        |             | •                     |          | •       | •   | 2                |
| CITOARC 275         | W100000003 | 3     | 400         | 50/60          | CC     | DC       | 5-270             | •       | •        | •           | •                     |          | •       |     | 3                |

## MINIARC 3.2

Electrodes diameter from 1,6 to 3,2 mm.

The MINIARC 3,2, well known for its exceptional “weight/power” ratio, is suitable for any maintenance activities and everyday intervention operations. Product advantages: User-friendly interface; versatile; precise welding quality; compact.

- MMA welding equipment Small but powerful.
- Professional: compatible with motor generators.
- Reliable and safe: 2 year warranty.
- Easy-to-use: excellent arc striking and stability thanks to the Hot Start, Arc Force and anti-stick functions.
- Power supply: 230 V single-phase.
- Input cable with 16A plug installed.
- Ultra light: less than 3,8 kg.
- Ready for use: delivered with case and accessories.



### Processes

Stick, Tig scratch

### Applications

- Small maintenance
- Light construction
- Light metal fabrication
- On-site repair
- Outside and workshop welding jobs
- Hobby

### Input



### Output



### UNIT INCLUDES

|                                    |
|------------------------------------|
| Input cable with schuko plug (3 m) |
| Ground cable                       |
| Electrode holder cable             |
| Plastic suitcase                   |
| Welding mask                       |
| Hammer                             |
| Small electrodes pack              |



| Product     | Reference  | Primary Voltage (50-60 Hz) | Rated Output (A)     | Output Range (A) | Fuse Size (A) (slow) | Weight (kg) | Dimensions H x W x D (mm) | Protection Class |
|-------------|------------|----------------------------|----------------------|------------------|----------------------|-------------|---------------------------|------------------|
| MINIARC 3.2 | W000385238 | 230V/1Ph +/- 15%           | 150A@10%<br>55A@100% | 10-150           | 16A                  | 3,8         | 220 x 120 x 320           | IP23S / H        |

## CITOARC 1600

Electrodes diameter from 1,6 to 4,0 mm.

Professional performance, industrial perfection.

- Exceptional performance: high duty cycle at 40 °C.
- Easy to use: Hot Start function to improve the arc striking and Arc Force function to avoid electrode sticking.
- Versatile: welding with any coated electrode (except cellulosic).
- Compatible with motor generator.
- Lightweight: less than 7 kg.
- Handy: thanks to the handy carrying strap.



### Processes

Stick, TIG Scratch

### Applications

- Light fabrication
- Plant construction
- Maintenance service
- Repair and maintenance
- On-site intervention
- Process industry

### Input



### Output



### UNIT INCLUDES

|                   |
|-------------------|
| Input cable (3 m) |
|-------------------|



| Product      | Reference  | Primary Voltage (50-60 Hz) | Rated Output (A)      | Output Range (A) | Fuse Size (A) (slow) | Weight (kg) | Dimensions H x W x D (mm) | Protection Class |
|--------------|------------|----------------------------|-----------------------|------------------|----------------------|-------------|---------------------------|------------------|
| CITOARC 1600 | W000385242 | 230V/1Ph +/-20%            | 150A@35%<br>100A@100% | 5-150            | 19                   | 7           | 145 x 230 x 365           | IP23S            |

## CITOARC 1750

Electrodes diameter from 1,6 to 4,0 mm.

Professional performance, industry perfection.

- Exceptional performance high duty cycle at 40°C
- Easy to use : Hot start function to improve the arc striking and Arc Force function to avoid electrode sticking
- Versatile: welding with any coated electrode ( except cellulosic )
- Compatible with motor-generator
- Lightweight : less than 7Kg
- Input cable with schuko plug 16A
- Handy: thanks to the handy carrying strap



**Processes**

Stick, Tig scratch

**Applications**

- Light fabrication
- Plant construction
- Maintenance service
- Repair and maintenance
- On-site interventions
- Process industry

**Input**



**Output**



**UNIT INCLUDES**

Input cable (3 m)

| Product      | Reference  | Primary Voltage (50-60 Hz) | Rated Output (A)      | Output Range (A) | Fuse Size (A) (slow) | Weight (kg) | Dimensions H x W x D (mm) | Protection Class |
|--------------|------------|----------------------------|-----------------------|------------------|----------------------|-------------|---------------------------|------------------|
| CITOARC 1750 | W000385243 | 230V/1Ph +/-20%            | 160A@20%<br>100A@100% | 5-160            | 16                   | 7           | 145 x 230 x 365           | IP23S            |

## CITOARC 1650 FORCE

Electrodes diameter from 1,6 to 4,0 mm

Professional performance, industrial perfection.

- Exceptional performance: high duty cycle at 40 °C.
- Easy to use: Hot Start function to improve the arc striking and Arc Force function to avoid electrode sticking.
- Versatile: welding with any coated electrode (except cellulosic) and LIFT TIG).
- Works connected to domestic plug (16A fuse).
- Compatible with motor generator.
- Power Factor Correction (PFC). PFC delivers: low current consumption, energy saving, low current harmonics and reduction of the total CO<sub>2</sub> produced by the welding process.
- Lightweight: less than 7 kg.
- Handy: thanks to the handy carrying strap.
- Noise reduction due to smart fan system.



**Processes**

Stick, Lift TIG

**Applications**

- Light fabrication
- Plant construction
- Maintenance service
- Repair and maintenance
- On-site intervention
- Process industry

**Input**



**Output**



LONG : 70 m  
SECTION : 3 x 2.5 mm<sup>2</sup>



**UNIT INCLUDES**

Input cable (3 m)

| Product            | Reference  | Primary Voltage (50-60 Hz) | Rated Output (A)      | Output Range (A) | Fuse Size (A) (slow) | Weight (kg) | Dimensions H x W x D (mm) | Protection Class |
|--------------------|------------|----------------------------|-----------------------|------------------|----------------------|-------------|---------------------------|------------------|
| CITOARC 1650 FORCE | W000385256 | 230V / 1Ph +15-20%         | 160A@30%<br>120A@100% | 10-160           | 16                   | 7           | 320 x 170 x 395           | IP23 / H         |



## CITOARC 1850 FORCE

Electrodes diameter from 1,6 to 4,0 mm.  
Professional performance, industrial perfection.

- Exceptional performance: high duty cycle at 40 °C.
- Easy to use: Hot Start function to improve the arc striking and Arc Force function to avoid electrode sticking.
- Versatile: welding with any coated electrode (except cellulosic) and LIFT TIG.
- Works connected to domestic plug (16A fuse).
- Compatible with motor generator.
- Power Factor Correction (PFC). PFC delivers: low current consumption, energy saving, low current harmonics and reduction of the total CO<sub>2</sub> produced by the welding process.
- Lightweight: less than 7 kg.
- Handy: thanks to the handy carrying strap.
- Noise reduction due to smart fan system.



LONG : 70 m  
SECTION :  
3 x 2.5 mm<sup>2</sup>



### Processes

Stick, Lift TIG

### Applications

- Light fabrication
- Plant construction
- Maintenance service
- Repair and maintenance
- On-site intervention
- Process industry

### Input



### Output



#### UNIT INCLUDES

Input cable (3 m)

| Product            | Reference  | Primary Voltage (50-60 Hz) | Rated Output (A)      | Output Range (A) | Fuse Size (A) (slow) | Weight (kg) | Dimensions H x W x D (mm) | Protection Class |
|--------------------|------------|----------------------------|-----------------------|------------------|----------------------|-------------|---------------------------|------------------|
| CITOARC 1850 FORCE | W000385253 | 230V / 1Ph +15-20%         | 180A@20%<br>120A@100% | 10-180           | 16                   | 7           | 320 x 170 x 395           | IP23 / H         |

## CITOARC 1900C FORCE

Electrodes diameter from 1,6 to 4,0 mm.  
For demanding activities such as on site welding. Sturdy equipment with high liability and high duty cycle works.

- Exceptional performance: high duty cycle at 40 °C.
- Easy to use: Hot Start function to improve the arc striking and Arc Force function to avoid electrode sticking.
- Versatile: welding with any coated electrode and LIFT TIG.
- Compatible with motor generator.
- Digital display.
- Power Factor Correction (PFC) , PFC delivers: low current consumption, energy saving, low current harmonics and reduction of the total CO<sub>2</sub> produced by the welding process.
- Lightweight: less than 9 kg.
- Works connected to domestic plug (16A fuse).
- VRD function to increase safety when working in a humid environment with electroshock risk.
- Ideal for cellulosic application.
- Remote control.



LONG : 70 m  
SECTION :  
3 x 2.5 mm<sup>2</sup>



### Processes

Stick, Lift TIG

### Applications

- Light fabrication
- Plant construction
- Maintenance service
- Repair and maintenance
- On-site intervention
- Light industry
- Pipeline repair

### Input



### Output



#### UNIT INCLUDES

Input cable (3 m)

| Product             | Reference  | Primary Voltage (50-60 Hz) | Rated Output (A)      | Output Range (A) | Fuse Size (A) (slow) | Weight (kg) | Dimensions H x W x D (mm) | Protection Class |
|---------------------|------------|----------------------------|-----------------------|------------------|----------------------|-------------|---------------------------|------------------|
| CITOARC 1900C FORCE | W000385258 | 230V/1Ph +/- 20%           | 160A@50%<br>130A@100% | 5-160            | 16                   | 9           | 320 x 170 x 395           | IP23 / H         |

# CITOARC 275

Excellent welding processes coupled with high performance, as well as increased productivity. Powerful portability, robust reliability.

- 400V ±15%, 3Ph 50/60Hz, generator ready.
- 270A@25% / 250A@35% / 230A@60% /180A@100%.
- Light weight – only 14,3 kg.
- Idle power 19W and efficiency > 85%.
- SMAW manual and Synergic – Pulse.
- STICK Pulse: 0,5-15 Hz.
- Intelligent F.A.N. (Fan As Needed).
- Customer Support.
- USB Key (software update, data collection).
- Voltage Reduce Device (VRD).
- Cellulosic 6010 stick capability.
- Industrial grade: IP23, 3 Years Warranty, no limitation.



**Processes**

Stick, Lift TIG

**Applications**

- General fabrication
- Heavy fabrication
- Structural
- Transportation
- Chemical processing
- Maintenance and repair
- Shipbuilding



**Input**



**Output**

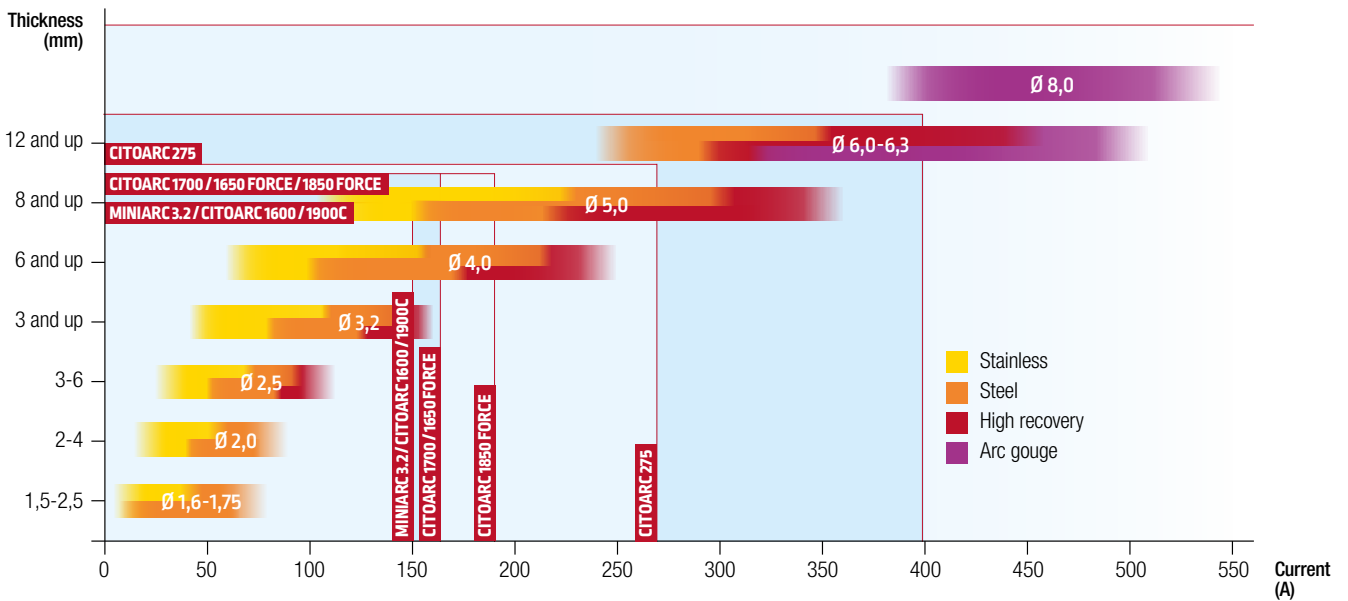


**UNIT INCLUDES**







- Input cable 3 m (no plug)
- USB key with user manual
- Quick Start papers

| Product     | Reference  | Primary Voltage (50-60 Hz) | Rated Output                                  | Output Range (A) | Fuse Size (A) (slow) | Weight (kg) | Dimensions H x W x D (mm) | Protection Class |
|-------------|------------|----------------------------|---|------------------|----------------------|-------------|---------------------------|------------------|
| CITOARC 275 | W100000003 | 400V± 15% /3Ph             | 270A@25%<br>250A@35%<br>230A@60%<br>180A@100% | 5-270            | 16                   | 14.3        | 360 x 230 x 498           | IP23             |

## PRODUCT APPLICATION CHART



| Product  | Reference      | MINIARC 3,2 | CITDARC 1600 | CITDARC 1750 | CITDARC 1650 FORCE | CITDARC 1850 FORCE | CITDARC 1900C FORCE | CITDARC 275 |
|--|----------------|-------------|--------------|--------------|--------------------|--------------------|---------------------|-------------|
| Kit 25C25  | W000011138     | •           | •            | •            | •                  | •                  |                     |             |
| Kit 35C50  | W000011139     |             |              |              |                    |                    | •                   |             |
| Kit 50C50+   | W000260682     |             |              |              |                    |                    |                     | •           |
| TIG welding torch WTT2 17V – 135A – 4 m, valve, conn. 9 mm | W000278880     |             | •            | •            | •                  | •                  |                     |             |
| TIG welding torch WTT2 17V – 135A – 4m, valve, conn. 13 mm | W10529-17-4V   |             |              |              |                    |                    | •                   | •           |
| TIG welding torch WTT2 9V – 110A – 4 m conn 9 mm           | W000278876     | •           |              |              |                    |                    |                     |             |
| Remote control, 15 m                                       | K10095-1-15M   |             |              |              |                    |                    |                     | •           |
| Extension cable for remote control box, 15 m               | K10398         |             |              |              |                    |                    |                     | •           |
| Electrode holder CAÏMAN 400                                | W000010568     |             |              |              |                    |                    |                     | •           |
| Ground cable 300A – 50 mm2 – 5 m                           | GRD-300A-50-5M |             |              |              |                    |                    |                     | •           |
| Cart 24  | K14191-1       |             |              |              |                    |                    |                     | •           |
| Front cover 275  | K14383-1       |             |              |              |                    |                    |                     | •           |
| Cart 24 metal interface                                    | K14384-1       |             |              |              |                    |                    |                     | •           |

|   |   |   |   |   |   |
|---|---|---|---|---|---|
|      |  |  |  |  |  |
| <b>CABLE KITS</b><br>W000011138<br>W000260683<br>W000011139<br>W000260681<br>W000260682 | <b>REMOTE CONTROL</b><br>K10095-1-15M   | <b>GROUND CABLE</b><br>GRD-300A-50-5M   | <b>CART 24 METAL INTERFACE</b><br>K14384-1  | <b>CART 24</b><br>K14191-1  | <b>FRONT COVER 275</b><br>K14383-1  |

**TIG WELDING TORCH  
WTT2 V**

W000278880  
W000278876  
W10529-17-4V



# CITOARC 275

## THE STICK WELDING EVOLUTION

- **Premium arc performance**  
Stable, great dynamics, perfect start, limited spatters
- **Robust and reliable design**  
Saf-fro standard, True Heavy Duty, 3 year warranty
- **Innovative UI, intuitive and simple to use**  
On-screen support and reduced training time
- **Customer Support**  
for parts 'wear & tear' requirements and immediate operator support
- **More functions & features**  
Auto-setting for instant 'ready to work' status
- **Improved ergonomics and operator safety**  
for safer, more comfortable operation



LIGHT AND  
PORTABLE

USB  
CONNECTIVITY



**PLASMA CUTTING**

## PLASMA CUTTING RANGE

| MODEL       | REFERENCE  | INPUT |             |                | OUTPUT |          |  | PROCESS               |                |                | FEATURES  |                       |                     |            |
|-------------|------------|-------|-------------|----------------|--------|----------|--|-----------------------|----------------|----------------|-----------|-----------------------|---------------------|------------|
|             |            | Phase | Voltage (V) | Frequency (Hz) | Mode   | Polarity | Current Range (A)                          | Cutting capacity (mm) | Plasma cutting | Plasma gouging | Grid Mode | Compressor integrated | Piercing capability | Remote kit |
| 1 phase     |            |       |             |                |        |          |  |                       |                |                |           |                       |                     |            |
| CITOCUT 30K | W100000319 | 1     | 230         | 50/60          | CC     | DC       | 15-30                                      | 16                    | •              |                | •         | •                     |                     |            |
| CITOCUT 45  | W100000321 | 1     | 120/230     | 50/60          | CC     | DC       | 15- 45A<br>(230Vac)<br>15- 22A<br>(120Vac) | 20mm<br>(230Vac)      | •              | •              | •         |                       | •                   |            |
| 3 phase     |            |       |             |                |        |          |  |                       |                |                |           |                       |                     |            |
| CITOCUT 60  | W000403595 | 3     | 400         | 50/60          | CC     | DC       | 20-60                                      | 25                    | •              | •              | •         |                       | •                   |            |
| CITOCUT 100 | W000403597 | 3     | 400         | 50/60          | CC     | DC       | 20-100                                     | 40                    | •              | •              | •         |                       | •                   | •          |



## CITOCUT 30K

- Ultimate Portability – Internal air compressor enables operation in environments where external compressed air is not available.
- Continuous Output Control – Focus the arc for different material thickness.
- Touch Start system – Reliable plasma arc initiation without high frequency.
- Rapid Arc Restrike – Fast cutting through gaps, even expanded metal.
- Front Panel Purge Control – Makes it easy to set the air flow rate without initiating the plasma arc.
- Cool Operation, Long Consumable Life – New electrode and nozzle design save you money in the long run.
- Added Safety – Our Parts-in-Place system detects correct installation of consumables and torch.
- Engine Drive Compatible – Select a Lincoln Electric engine driven welder to power your Citocut in remote locations.

### UNIT INCLUDES

Internal air compressor (external air connection also standard)

LC30 Torch with 4 m cable

Air regulator and pressure gauge

Internal water separator

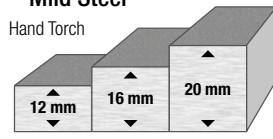
Work clamp and cable

Spare consumables

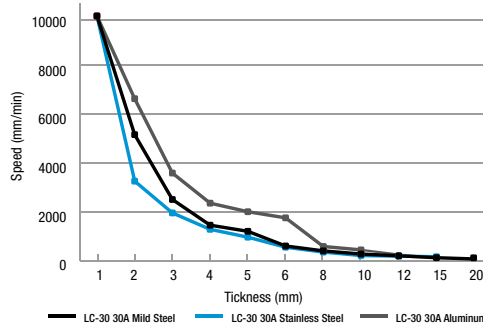
Input power cord

### Cutting performance – Mild Steel

Hand Torch



| Recommended                         | Maximum                               | Severance                          |
|-------------------------------------|---------------------------------------|------------------------------------|
| Rated Cut @<br>22 ipm<br>0.56 m/min | Maximum Cut @<br>14 ipm<br>0.36 m/min | Sever Cut @<br>5 ipm<br>0.13 m/min |



### Processes

Plasma cutting, Grid

### Applications

- On site maintenance
- Small construction sites
- Air ducting installation (HVAC)
- Demolition work
- Rental

### Input



### Output



### WARRANTY



| Product Name | Product Number | Input Power | Rated Output Current/Voltage/Duty Cycle | Fuse (delayed) or Circuit Breaker | Pilot Current | Output Range | Air Pressure Required | Air Flow Rate Required | Dimensions H x W x D (mm) | Net Weight Without Torch (kg) |
|--------------|----------------|-------------|---|-----------------------------------|---------------|--------------|-----------------------|------------------------|---------------------------|-------------------------------|
| CITOCUT 30K  | W100000319     | 230/1/50    | 30A@60%<br>25A@100%                     | 16A                               | 20A           | 15-30A       | 5,0bar<br>-6,0bar     | 125 ±10% l/min         | 385 x 215 x 480           | 18.5                          |

## CITOCUT 45

- TFT 2,8" screen – For an easier and user friendly user interface
- Continuous Output Control – Focus the arc for different material thickness.
- Touch Start system – Reliable plasma arc initiation without high frequency.
- Rapid Arc Restrike – Fast cutting through gaps, even expanded metal.
- Front Panel Purge Control – Makes it easy to set the air flow rate without initiating the plasma arc.
- Gouging and Grid modes ( adjustable grid's time ).
- Cool Operation, Long Consumable Life – New electrode and nozzle design save you money in the long run.
- Added Safety – Our Parts-in-Place system detects correct installation of consumables and torch.
- Lightweight and Portable – Easily carried by one person.
- Engine Drive Compatible – Select a Lincoln Electric Outback® or Vantage® to power your Citocut in remote locations

### UNIT INCLUDES

LC45 Torch with 6 m cable

Air regulator and pressure gauge

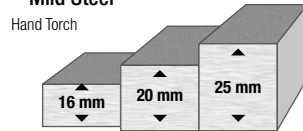
Internal water separator

Work clamp and cable

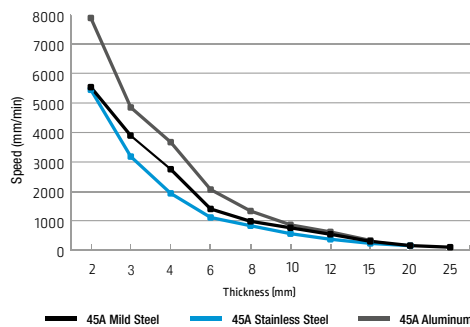
Input power cord

### Cutting performance – Mild Steel

Hand Torch



| Recommended                         | Maximum                               | Severance                          |
|-------------------------------------|---------------------------------------|------------------------------------|
| Rated Cut @<br>20 ipm<br>0.51 m/min | Maximum Cut @<br>12 ipm<br>0.30 m/min | Sever Cut @<br>5 ipm<br>0.13 m/min |



### Processes

Plasma cutting, Grid, Gouging, Piercing

### Applications

- On site maintenance
- Small construction sites
- Air ducting installation (HVAC)
- Demolition work
- Rental

### Input



### Output



### WARRANTY



| Product Name | Product Number | Input Power     | Rated Output Current/Voltage/Duty Cycle                                | Fuse (delayed) or Circuit Breaker | Pilot Current | Output Range                                     | Air Pressure Required | Air Flow Rate Required | Dimensions H x W x D (mm) | Net Weight Without Torch (kg) |
|--------------|----------------|-----------------|--|-----------------------------------|---------------|--|-----------------------|------------------------|---------------------------|-------------------------------|
| CITOCUT 45   | W100000321     | 120/230/1/50/60 | at 230Vac 45A@45%<br>40A@60% 30A@100%<br>at 120Vac 22A@60%<br>15A@100% | 16 A                              | 20 A          | 15- 45 A<br>( 230Vac )<br>15- 22 A<br>( 120Vac ) | 5,0bar –<br>6,0bar    | 200 ±10% l/min         | 385 x 215 x 480           | 11.1                          |

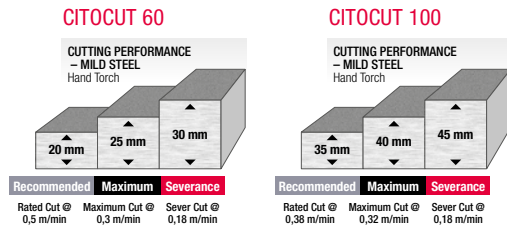
## CITOCUT 60 & 100

High performance plasma cutting machines: built to handle harsh environmental conditions, suitable for on-site operations with a generator or within a workshop environment.

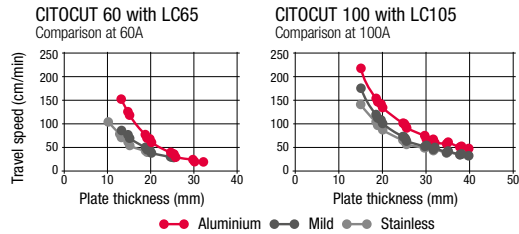
- Starting: innovative, advanced arc starting without HF.
- Performance: innovative, advanced electrode and nozzle design.
- Longer lifetime: innovative, advanced design increases lifetime of consumables.
- Faster: higher travel speeds and plate thickness.
- Flexible: multiple torch configurations.
- Different materials: mild steel, stainless steel, aluminium and many more.
- Concentrated plasma stream: less heat input, less distortion.
- Torch Connection – central connector, 9-pin.
- Stepless current control.
- Remote kit (optional) that allows the unit to receive an external ON-OFF trigger for mechanized processes (only for CITOCUT 100).

### UNIT INCLUDES

- 2 m-input cable
- 7,5 m-hand cutting torch
- Ground clamp and cable
- Air connection kit
- Cutting torch consumables kit



### PERFORMANCE



### Processes

Plasma cutting, Plasma gouging, Grid Mode

### Type of Gas

- Compressed air
- Nitrogen

### Applications

- On-site maintenance
- Service tasks
- Small construction sites
- General installations
- Air ducting installation (HVAC)
- Demolition work
- Rental

### Input



### Output



### WARRANTY



| Product     | Reference  | Primary Voltage (50-60 Hz) | Rated Output         | Cutting Capacity (mm) | Piercing Capacity (mm)* | Flow Rate                    | Inlet Pressure | Output Range (A) | Weight (kg) | Dimensions H x W x D (mm) |
|-------------|------------|----------------------------|----------------------|-----------------------|-------------------------|------------------------------|----------------|------------------|-------------|---------------------------|
| CITOCUT 60  | W000403595 | 400V/3Ph                   | 60A/40%<br>40A/100%  | 25                    | Max. 12                 | 130l/min+/-<br>20% @ 5,5 bar | 6,0 bar        | 20-60            | 22          | 389 x 247 x 489           |
| CITOCUT 100 | W000403597 |                            | 100A/40%<br>60A/100% | 40                    | Max. 20                 | 280l/min+/-<br>20% @ 5,5 bar | 7,0 bar        | 20-100           | 36          | 455 x 301 x 618           |



**KEY OPTIONS**

|                         |               | Product Number            |                          |                          |                           |
|-------------------------|---------------|---------------------------|--------------------------|--------------------------|---------------------------|
|                         |               | Citocut 30K<br>W100000319 | Citocut 45<br>W100000321 | Citocut 60<br>W000403595 | Citocut 100<br>W000403597 |
| Air Filter LAF1250      | W88X1456A     |                           |                          | •                        | •                         |
| Filter Cartridge        | W8800117R     |                           |                          | •                        | •                         |
| Cutting circle          | W0300699A     | •                         | •                        | •                        | •                         |
| Undercarriage           | W0200002      | •                         | •                        |                          |                           |
| Remote Control          | K12049-1      |                           |                          |                          | •                         |
| Remote Control Kit      | W05X1086A     |                           |                          |                          | •                         |
| Bevel Tool              | W03X0893-119A |                           |                          | •                        | •                         |
| Circle kit to suit LC45 | W100000338    |                           | •                        |                          |                           |
| Bevel tool to suit LC45 | W100000339    |                           | •                        |                          |                           |

|   |   |   |   |  |   |
|---|---|---|---|--|---|
|  |  |      |  |  |  |
| <b>Air filter LAF1250</b><br>W88X1456A<br>W8800117R                               | <b>Undercarriage</b><br>W0200002  | <b>Plasma circle cutting guide kit (cutting circles max diam. 820mm)</b><br>W0300699A | <b>Bevel tool</b><br>W03X0893-119A  | <b>Circle kit to suit LC45</b><br>W100000338                                       | <b>Bevel tool to suit LC45</b><br>W100000339  |

**TORCHES**

|              |                  | Product Number            |                          |                          |                           |
|--------------|------------------|---------------------------|--------------------------|--------------------------|---------------------------|
|              |                  | Citocut 30K<br>W100000319 | Citocut 45<br>W100000321 | Citocut 60<br>W000403595 | Citocut 100<br>W000403597 |
| LC 30 (Hand) | W100000325       | •                         |                          |                          |                           |
| LC 45 (Hand) | W100000327       |                           | •                        |                          |                           |
| LC65 (Hand)  | PTH-061A-CX-7M5A |                           |                          | •                        |                           |
|              | PTH-061A-CX-15A  |                           |                          | •                        |                           |
| LC105 (Hand) | PTH-101A-CX-7M5A |                           |                          |                          | •                         |
|              | PTH-101A-CX-15A  |                           |                          |                          | •                         |

|  |  |  |  |
|--|--|--|--|
| <b>LC 30 (HAND)</b><br> | <b>LC 45 (HAND)</b><br> | <b>LC 65 (HAND)</b><br> | <b>LC 105 (HAND)</b><br> |
|                         |                         |                         |                           |
| <b>PLASMA-BOX LC30</b><br>W100000361   | <b>PLASMA-BOX LC45</b><br>W100000362   | <b>PLASMA-BOX LC65</b><br>W03X0893-113A  | <b>PLASMA-BOX LC105</b><br>W03X0893-115A   |

# PLASMA CUTTING

Anywhere, Anytime



## CITOCUT 30K CITOCUT 45

- Ultimate Portability
- Continuous Output Control
- Touch Start system
- Rapid Arc Restrike
- Front Panel Purge Control
- Engine Drive Compatible
- Added Safety
- Cool Operation, Long Consumable Life
- Grid modes

### CITOCUT 30K

- Cutting Performance 16mm
- Include internal air compressor (external air connection also standard)

### CITOCUT 45

- Cutting Performance 20mm
- Gouging
- TFT 2.8" screen

INTERNAL  
COMPRESSOR  
OR EXTERNAL AIR



# EQUIPMENT OPTIONS

## COOLERS

W000403940  
COOLERTIG 3



W000403941  
COOLERTIG 4



W000382728  
FREEZTIG



K14190-1  
COOL ARC®24



K14182-1  
COOL ARC® 26



W000273516  
COOLER III PW



W000404340  
COOLER III PW COMPACT



| Product               | Reference  | CITOTIG 1800 FORCE | CITOTIG 2200 FORCE | CITOTIG 315 DC | CITOTIG 415 DC | CITOTIG 200 AC/DC | CITOTIG 315 AC/DC | CITOSTEEL 380C PRO | CITOSTEEL 450C PRO | CITOSTEEL 355S | CITOSTEEL 425S | CITOSTEEL 505S | CITOPULS III 320C | CITOPULS III 420 | CITOPULS III 520 |
|-----------------------|------------|--------------------|--------------------|----------------|----------------|-------------------|-------------------|--------------------|--------------------|----------------|----------------|----------------|-------------------|------------------|------------------|
| FREEZTIG              | W000382728 | •                  | •                  |                |                |                   |                   |                    |                    |                |                |                |                   |                  |                  |
| COOLERTIG 3           | W000403940 |                    |                    | •              |                |                   |                   |                    |                    |                |                |                |                   |                  |                  |
| COOLERTIG 4           | W000403941 |                    |                    |                | •              |                   | •                 |                    |                    |                |                |                |                   |                  |                  |
| COOLARC® 24           | K14190-1   |                    |                    |                |                | •                 |                   |                    |                    |                |                |                |                   |                  |                  |
| COOLARC® 26           | K14182-1   |                    |                    |                |                |                   |                   | •                  | •                  | •              | •              | •              |                   |                  |                  |
| COOLER III PW         | W000273516 |                    |                    |                |                |                   |                   |                    |                    |                |                |                |                   | •                | •                |
| COOLER III PW COMPACT | W000404340 |                    |                    |                |                |                   |                   |                    |                    |                |                |                | •                 |                  |                  |

| Product               | Reference  | Input Voltage             | Plug            | Flow sensor | Cooling Power @1l/min | Tank capacity (l) | Maximum pressure rate (Mpa) | Position   | Weight (kg) | Dimensions H x W x D (mm) |
|-----------------------|------------|---------------------------|-----------------|-------------|-----------------------|-------------------|-----------------------------|------------|-------------|---------------------------|
| FREEZTIG              | W000382728 | 230V<br>50/60Hz 1Ph       | 16A Schuko plug | •           | 0,83                  | 4,0               | 0,4                         | Horizontal | 13          | 220 x 250 x 570           |
| COOLERTIG 3           | W000403940 | 400V*<br>50/60Hz 1Ph      | Molex           | •           | 0,75                  | 3,6               | 0,4                         | Horizontal | 18          | 276 x 246 x 540           |
| COOLERTIG 4           | W000403941 | 230V/400V*<br>50/60Hz 1Ph | 9pin socket     | •           | 1,0                   | 6,0               | 0,4                         | Horizontal | 22,7        | 255 x 300 x 700           |
| COOLARC® 24           | K14190-1   | 390V dc*                  | Molex           | •           | 0,87                  | 2,3               | 0,43                        | Horizontal | 18          | 276 x 246 x 540           |
| COOLARC® 26           | K14182-1   | 230V/400V*<br>50/60Hz 1Ph | Molex           | •           | 0,84                  | 4,0               | 0,47                        | Vertical   | 18          | 680 x 260 x 150           |
| COOLER III PW         | W000273516 | 230V*<br>50/60Hz 1Ph      | Molex           | -           | 1,3                   | 5,0               | 0,45                        | Horizontal | 16          | 268 x 700 x 279           |
| COOLER III PW COMPACT | W000404340 | 400V*<br>50/60Hz 1Ph      | Molex           | -           | 1,3                   | 5,0               | 0,45                        | Horizontal | 20          | 268 x 700 x 279           |

\* supplied by the welding power source

W0200002

**TWO-WHEELED UNDERCARRIAGE**



W000375730

**UNIVERSAL TROLLEY**



W000404145

**CART 3**



W000404146

**CART 4**



K14191-1

**CART 24**



W000383000

**MODULAR TROLLEY**



K14350-1

**CART HD**



| Product                   | Reference  | CIT0ARC 275 | CIT0TIG 1800 FORCE | CIT0TIG 2200 FORCE | CIT0TIG 315 DC | CIT0TIG 415 DC | CIT0TIG 200 AC/DC | CIT0TIG 315 AC/DC | CITOCUT 30K | CITOCUT 45 | CITOCUT 60 | CITOCUT 100 | CITOPULS III 320C | CITOPULS III 420 | CITOPULS III 520 | CITOWAVE III 520 | DMU P400 | DMU P500 | WF52D/ WF56D |
|---------------------------|------------|-------------|--------------------|--------------------|----------------|----------------|-------------------|-------------------|-------------|------------|------------|-------------|-------------------|------------------|------------------|------------------|----------|----------|--------------|
| Two-wheeled undercarriage | W0200002   |             |                    |                    |                |                |                   |                   | •           | •          |            |             |                   |                  |                  |                  |          |          |              |
| CART 3                    | W000404145 |             |                    |                    | •              |                |                   |                   |             |            |            |             |                   |                  |                  |                  |          |          |              |
| CART 4                    | W000404146 |             |                    |                    |                | •              |                   | •                 |             |            |            |             |                   |                  |                  |                  |          |          |              |
| Cart 24                   | K14191-1   | •           |                    |                    |                |                | •                 |                   |             |            |            |             |                   |                  |                  |                  |          |          |              |
| Universal trolley         | W000375730 |             | •                  | •                  |                |                |                   |                   |             |            |            |             |                   |                  |                  |                  |          |          |              |
| Modular trolley           | W000383000 |             |                    |                    |                |                |                   |                   |             |            |            |             | •                 | •                | •                | •                |          |          |              |
| Trolley for wire feeder   | W000275908 |             |                    |                    |                |                |                   |                   |             |            |            |             |                   |                  |                  |                  | •        | •        |              |
| Cart HD (WF52D/ WF56D)    | K14350-1   |             |                    |                    |                |                |                   |                   |             |            |            |             |                   |                  |                  |                  |          |          | •            |

| Product  | Reference    | CIT0ARC 275 | CIT0TIG 1600 HPF | CIT0TIG 1800 FORCE | CIT0TIG 2200 FORCE | CIT0TIG 315 DC | CIT0TIG 415 DC | CIT0TIG 200 AC/DC | CIT0TIG 315 AC/DC | CIT0CUT 100 | CIT0STEEL 250C PRO | CIT0STEEL 320C PRO | CIT0STEEL 380C PRO | CIT0STEEL 450C PRO | CIT0PULS III 320C | CIT0PULS III 420 / 520 | Wire Feed 56D | DMU P400 | DMU P500 |
|--|--------------|-------------|------------------|--------------------|--------------------|----------------|----------------|-------------------|-------------------|-------------|--------------------|--------------------|--------------------|--------------------|-------------------|------------------------|---------------|----------|----------|
| Remote control 15 m (6PIN / 1POT)              | K10095-1-15M | ●           |                  |                    |                    |                |                |                   |                   |             | ●(1)(2)            | ●(1)(2)            | ●(1)(2)            | ●(1)(2)            |                   |                        | ●(1)          |          |          |
| Extension cable for remote control (6PIN) 15 m | K10398       | ●           |                  |                    |                    |                |                |                   |                   |             | ●                  | ●                  | ●                  | ●                  |                   |                        | ●             |          |          |
| Remote control – hand 15m K14147-1             | K14147-1     |             | ●                | ●                  | ●                  | ●              | ●              | ●                 | ●                 |             | ●(1)(2)            | ●(1)(2)            | ●(1)(2)            | ●(1)(2)            |                   |                        | ●(1)          |          |          |
| Extension for hand remote control – 15 m       | K14148-1     |             | ●                | ●                  | ●                  | ●              | ●              | ●                 | ●                 |             | ●                  | ●                  | ●                  | ●                  |                   |                        | ●             |          |          |
| Foot Amptrol™                                  | K870         |             | ●                | ●                  | ●                  | ●              | ●              | ●                 | ●                 |             | ●(1)(2)            | ●(1)(2)            | ●(1)(2)            | ●(1)(2)            |                   |                        | ●(1)          |          |          |
| Remote control – 10 m                          | W000219557   |             |                  | ●                  | ●                  |                |                |                   |                   |             |                    |                    |                    |                    |                   |                        |               |          |          |
| Foot pedal                                     | W000241602   |             |                  | ●                  | ●                  |                |                |                   |                   |             |                    |                    |                    |                    |                   |                        |               |          |          |
| Remote Control                                 | K12049-1     |             |                  |                    |                    |                |                |                   |                   | ●(3)        |                    |                    |                    |                    |                   |                        |               | ●        |          |
| Remote Control MIG Yoystick 7 m                | K14091-1     |             |                  |                    |                    |                |                |                   |                   |             | ●(2)               | ●(2)               | ●(2)               | ●(2)               |                   |                        |               | ●        |          |
| Remote control Simple Puls 10 m                | W000275904   |             |                  |                    |                    |                |                |                   |                   |             |                    |                    |                    |                    | ●                 | ●                      |               | ●        | ●        |
| RC JOB 10 m                                    | W000273134   |             |                  |                    |                    |                |                |                   |                   |             |                    |                    |                    |                    |                   | ●                      |               | ●        | ●        |
| RC JOB II                                      | W000371925   |             |                  |                    |                    |                |                |                   |                   |             |                    |                    |                    |                    |                   |                        |               |          |          |
| Remote Control 6PIN (30,4 m)                   | K857-1       |             |                  |                    |                    |                |                |                   |                   |             | ●(1)(2)            | ●(1)(2)            | ●(1)(2)            | ●(1)(2)            |                   |                        |               | ●(1)     |          |
| Remote Control 12PIN (7,6 m)                   | K857-2       |             |                  |                    |                    |                |                |                   |                   |             | ●(2)               | ●(2)               | ●(2)               | ●(2)               |                   |                        |               | ●        |          |
| Remote Control 12PIN (30,4 m)                  | K857-3       |             |                  |                    |                    |                |                |                   |                   |             | ●(2)               | ●(2)               | ●(2)               | ●(2)               |                   |                        |               | ●        |          |
| Remote Control RC-7 Advanced                   | K14203-1     |             |                  |                    |                    | ●(4)           | ●(4)           | ●(4)              | ●(4)              |             | ●(4)               | ●(4)               |                    |                    |                   |                        |               | ●        |          |

(1) K2909-1 adapter required  
 (2) K14290-1 kit required  
 (3) W05X1086A kit required  
 (4) K14290-1 kit required

K10095-1-15M **Remote control (1pot) 6pin (15 m)**  
 K14147-1 **Remote control TIG HF (1pot) 6pin (15 m)**



K857 **Remote control 6pin (7,6 m)**  
 K857-1 **Remote control 6pin (30,4 m)**  
 K857-2 **Remote control 12pin (7,6 m)**  
 K857-3 **Remote control 12pin (30,4 m)**



K10398 **Extension for K10095-1-15M (15 m)**  
 K14148-1 **Extension for K14147-1 (15 m)**



K870 **Foot amprotol 6pin (7,6 m)**



W000241602 **Foot pedal**



W000275904 **Remote control Simple Puls**



CITOSTEEL 355S/425S/505S

CITOPULS III 420 / 520

Wire Feed 52D/56D

DMU P-400/P500

DMU W500

Product

Reference

## Air cooled connection cable (TM-TM welding cable, gas hose &amp; control cable)

|   |               |   |  |   |  |  |
|---|---------------|---|--|---|--|--|
| Intermediate cable 1 m (70 mm <sup>2</sup> , 5Pin-5Pin), AIR  | K14198-PG     | • |  | • |  |  |
| Intermediate cable 3 m (70 mm <sup>2</sup> , 5Pin-5Pin), AIR  | K14198-PG-3M  | • |  | • |  |  |
| Intermediate cable 5 m (70 mm <sup>2</sup> , 5Pin-5Pin), AIR  | K14198-PG-5M  | • |  | • |  |  |
| Intermediate cable 10 m (70 mm <sup>2</sup> , 5Pin-5Pin), AIR | K14198-PG-10M | • |  | • |  |  |
| Intermediate cable 15 m (95 mm <sup>2</sup> , 5Pin-5Pin), AIR | K14198-PG-15M | • |  | • |  |  |
| Intermediate cable 20 m (95 mm <sup>2</sup> , 5Pin-5Pin), AIR | K14198-PG-20M | • |  | • |  |  |
| Intermediate cable 25 m (95 mm <sup>2</sup> , 5Pin-5Pin), AIR | K14198-PG-25M | • |  | • |  |  |
| Intermediate cable 30 m (95 mm <sup>2</sup> , 5Pin-5Pin), AIR | K14198-PG-30M | • |  | • |  |  |



K14198-PG-xM

## Water cooled connection cable (TM-TM welding cable, water hoses, gas hose &amp; control cable)

|   |                |   |  |   |  |  |
|---|----------------|---|--|---|--|--|
| Intermediate cable 1 m (95 mm <sup>2</sup> , 5Pin-5Pin), WATER  | K14199-PGW     | • |  | • |  |  |
| Intermediate cable 3 m (95 mm <sup>2</sup> , 5Pin-5Pin), WATER  | K14199-PGW-3M  | • |  | • |  |  |
| Intermediate cable 5 m (95 mm <sup>2</sup> , 5Pin-5Pin), WATER  | K14199-PGW-5M  | • |  | • |  |  |
| Intermediate cable 10 m (95 mm <sup>2</sup> , 5Pin-5Pin), WATER | K14199-PGW-10M | • |  | • |  |  |
| Intermediate cable 15 m (95 mm <sup>2</sup> , 5Pin-5Pin), WATER | K14199-PGW-15M | • |  | • |  |  |
| Intermediate cable 20 m (95 mm <sup>2</sup> , 5Pin-5Pin), WATER | K14199-PGW-20M | • |  | • |  |  |
| Intermediate cable 25 m (95 mm <sup>2</sup> , 5Pin-5Pin), WATER | K14199-PGW-25M | • |  | • |  |  |
| Intermediate cable 30 m (95 mm <sup>2</sup> , 5Pin-5Pin), WATER | K14199-PGW-30M | • |  | • |  |  |



K14199-PGW-xM

## Air cooled connection cables (TM-TM welding cable, gas hose &amp; control cable)

|                                      |            |  |   |  |   |   |
|--------------------------------------|------------|--|---|--|---|---|
| Harness AIR 2 m – univ. steel 70 mm  | W000275894 |  | • |  | • | • |
| Harness AIR 5 m – univ. steel 70 mm  | W000275895 |  | • |  | • | • |
| Harness AIR 10 m – univ. steel 70 mm | W000275896 |  | • |  | • | • |
| Harness AIR 15 m – univ. steel 70 mm | W000275897 |  | • |  | • | • |
| Harness AIR 25 m – univ. steel 70 mm | W000276901 |  | • |  | • | • |
| Harness AIR 30 m – univ. steel 70 mm | W000371246 |  | • |  | • | • |



## Water cooled connection cables (TM-TM welding cable, water hoses, gas hose &amp; control cable)

|  |            |  |   |  |   |   |
|--|------------|--|---|--|---|---|
| Harness WATER 2 m – univ. steel 95 mm  | W000275898 |  | • |  | • | • |
| Harness WATER 5 m – univ. steel 95 mm  | W000275899 |  | • |  | • | • |
| Harness WATER 10 m – univ. steel 95 mm | W000275900 |  | • |  | • | • |
| Harness WATER 15 m – univ. steel 95 mm | W000275901 |  | • |  | • | • |



## Water cooled connection cables Aluminium (TM-TM welding cable, water hoses, gas hose &amp; control cable)

|                                       |            |  |   |  |   |   |
|---------------------------------------|------------|--|---|--|---|---|
| Harness WATER 2 m – alu. steel 95 mm  | W000371044 |  | • |  | • | • |
| Harness WATER 5 m – alu. steel 95 mm  | W000371045 |  | • |  | • | • |
| Harness WATER 10 m – alu. steel 95 mm | W000371175 |  | • |  | • | • |
| Harness WATER 15 m – alu. steel 95 mm | W000371174 |  | • |  | • | • |
| Harness WATER 25 m – alu. steel 95 mm | W000371239 |  | • |  | • | • |



## DRIVE ROLLS

| Product  | Reference       | CITOMIG 185MP/210MP | CITOSTEEL 250C/320C | CITOSTEEL 250C/320C/<br>380C/450C PRO | CITOPULS III 320C | Wire Feed 52D/56D | DMU P400/P500 |
|--|-----------------|---------------------|---------------------|---------------------------------------|-------------------|-------------------|---------------|
| <b>DRIVE ROLL KIT (2R) – KIT CONTAINS 1 ROLL Ø 37 mm</b>                       |                 |                     |                     |                                       |                   |                   |               |
| <b>Solid wires:</b>  |                 |                     |                     |                                       |                   |                   |               |
| DRIVE ROLL V0,6-0,8 DIA37  | KP14016-0,8     | •                   |                     |                                       | •                 |                   | •             |
| DRIVE ROLL V0,8-1,0 DIA37  | KP14016-1,0     | •                   |                     |                                       | •                 |                   | •             |
| DRIVE ROLL V1,0-1,2 DIA37  | KP14016-1,2     | •                   |                     |                                       | •                 |                   | •             |
| <b>Cored wires:</b>  |                 |                     |                     |                                       |                   |                   |               |
| DRIVE ROLL VK0,9-1,1 DIA37   | KP14016-1,1R    | •                   |                     |                                       | •                 |                   | •             |
| DRIVE ROLL VK1,2-1,6 DIA37   | KP14016-1-6R    | •                   |                     |                                       | •                 |                   | •             |
| <b>Aluminium wires:</b>  |                 |                     |                     |                                       |                   |                   |               |
| DRIVE ROLL U1,0-1,2 DIA37  | KP14016-1,2A    | •                   |                     |                                       | •                 |                   | •             |
| <b>DRIVE ROLL KIT (4R) – KIT CONTAINS 2 ROLLS Ø 37 mm</b>                      |                 |                     |                     |                                       |                   |                   |               |
| <b>Solid wires:</b>  |                 |                     |                     |                                       |                   |                   |               |
| DRIVE ROLLS V0,6-0,8 DIA37   | KP14017-0,8     |                     |                     |                                       | •                 |                   | •             |
| DRIVE ROLLS V0,8-1,0 DIA37   | KP14017-1,0     |                     |                     |                                       | •                 |                   | •             |
| DRIVE ROLLS V1,0-1,2 DIA37   | KP14017-1,2     |                     |                     |                                       | •                 |                   | •             |
| DRIVE ROLLS V1,2-1,4 DIA37   | KP14017-1-4     |                     |                     |                                       | •                 |                   | •             |
| ROLL V1,3-V1,4 DIAM37 2PCS   | KP14017-V13/V14 |                     |                     |                                       | •                 |                   | •             |
| DRIVE ROLLS V1,2-1,6 DIA37   | KP14017-1,6     |                     |                     |                                       | •                 |                   | •             |
| <b>Cored wires</b>   |                 |                     |                     |                                       |                   |                   |               |
| DRIVE ROLLS VK0,9-1,1 DIA37  | KP14017-1,1R    |                     |                     |                                       | •                 |                   | •             |
| DRIVE ROLLS VK1,2-1,6 DIA37  | KP14017-1,6R    |                     |                     |                                       | •                 |                   | •             |
| DRIVE ROLLS VK1,6-2,4 DIA37  | KP14017-2,4R    |                     |                     |                                       | •                 |                   | •             |
| <b>Aluminium wires</b>   |                 |                     |                     |                                       |                   |                   |               |
| DRIVE ROLLS U1,0-1,2 DIA37   | KP14017-1,2A    |                     |                     |                                       | •                 |                   | •             |
| DRIVE ROLLS U1,2-1,6 DIA37   | KP14017-1,6A    |                     |                     |                                       | •                 |                   | •             |
| <b>DRIVE ROLL KIT (4R/TWIN) – KIT CONTAINS 4 ROLLS Ø 37 mm AND WIRE GUIDES</b> |                 |                     |                     |                                       |                   |                   |               |
| <b>Solid wires</b>   |                 |                     |                     |                                       |                   |                   |               |
| ROLL KIT 0,6/0,8VT FI37 4PCS GREEN/BLUE  | KP14150-V06/08  |                     | •                   | •                                     |                   |                   | •             |
| ROLL KIT 0,8/1,0VT FI37 4PCS BLUE/RED  | KP14150-V08/10  |                     | •                   | •                                     |                   |                   | •             |
| ROLL KIT 0,9/1,1VT FI37 4PCS   | KP14150-V09/11  |                     | •                   | •                                     |                   |                   | •             |
| ROLL KIT 1,0/1,2VT FI37 4PCS RED/ORANGE  | KP14150-V10/12  |                     | •                   | •                                     |                   |                   | •             |
| ROLL KIT 1,2/1,6VT FI37 4PCS ORANGE/YELL                                       | KP14150-V12/16  |                     | •                   | •                                     |                   |                   | •             |
| ROLL KIT 1,4/2,0VT FI37 4PCS   | KP14150-V14/20  |                     | •                   | •                                     |                   |                   | •             |
| ROLL KIT 1,6/2,4VT FI37 4PCS YELL/GREY   | KP14150-V16/24  |                     | •                   | •                                     |                   |                   | •             |
| <b>Cored wires</b>   |                 |                     |                     |                                       |                   |                   |               |
| ROLL KIT 0,9/1,1RT FI37 4PCS   | KP14150-V09/11R |                     | •                   | •                                     |                   |                   | •             |
| ROLL KIT 1,0/1,2RT FI37 4PCS -/ORANGE  | KP14150-V10/12R |                     | •                   | •                                     |                   |                   | •             |
| ROLL KIT 1,2/1,6RT FI37 4PCS ORANGE/YELL                                       | KP14150-V12/16R |                     | •                   | •                                     |                   |                   | •             |
| ROLL KIT 1,4/2,0RT FI37 4PCS   | KP14150-V14/20R |                     | •                   | •                                     |                   |                   | •             |
| ROLL KIT 1,6/2,4RT FI37 4PCS YELL/GREY   | KP14150-V16/24R |                     | •                   | •                                     |                   |                   | •             |
| <b>Aluminium wires</b>   |                 |                     |                     |                                       |                   |                   |               |
| ROLL KIT 0,6/0,8AT FI37 4PCS GREEN/BLUE  | KP14150-U06/08A |                     | •                   | •                                     |                   |                   | •             |
| ROLL KIT 0,8/1,0AT FI37 4PCS BLUE/RED  | KP14150-U08/10A |                     | •                   | •                                     |                   |                   | •             |
| ROLL KIT 1,0/1,2AT FI37 4PCS RED/ORANGE  | KP14150-U10/12A |                     | •                   | •                                     |                   |                   | •             |
| ROLL KIT 1,2/1,6AT FI37 4PCS ORANGE/YELL                                       | KP14150-U12/16A |                     | •                   | •                                     |                   |                   | •             |
| ROLL KIT 1,6/2,4AT FI37 4PCS YELL/GREY   | KP14150-U16/24A |                     | •                   | •                                     |                   |                   | •             |
| <b>DRIVE ROLL KIT (2R) – KIT CONTAINS 1 ROLL Ø 37 mm</b>                       |                 |                     |                     |                                       |                   |                   |               |
| <b>Solid wires:</b>  |                 |                     |                     |                                       |                   |                   |               |
| ROLL D37 SW 0,6-0,8 MM   | W000305125      | •                   |                     |                                       | •                 |                   | •             |
| ROLL D37 SW 0,8-1,0 MM   | W000267598      | •                   |                     |                                       | •                 |                   | •             |
| ROLL D37 SW 1,0-1,2 MM   | W000267599      | •                   |                     |                                       | •                 |                   | •             |
| ROLL D37 SW 1,2-1,6 MM   | W000305126      |                     |                     |                                       |                   |                   |               |
| <b>Cored wires:</b>  |                 |                     |                     |                                       |                   |                   |               |
| ROLL D37 CW 0,9-1,2 MM   | W000277010      |                     |                     |                                       | •                 |                   | •             |
| ROLL D37 CW 1,2-1,6MM  | W000266330      |                     |                     |                                       | •                 |                   | •             |
| ROLL D37 CW 1,4-1,6 MM   | W000277011      |                     |                     |                                       | •                 |                   | •             |
| <b>Aluminium wires:</b>  |                 |                     |                     |                                       |                   |                   |               |
| ALUKIT 1,0-1,2   | W000277622      |                     |                     |                                       | •                 |                   | •             |
| ALUKIT 1,2-1,6   | W000277623      |                     |                     |                                       | •                 |                   | •             |







**MIG GUNS**

PERFORMANCE  
DEFINED

We are excited to present new products  
in our premium LINGGUN® PROMIG™ family!

# LINGGUN® PROMIG™ UD

## PARAMETER CONTROL

Supplied with a **2-button module (Up/Down)** already installed and a **Cross-Switch module**, easy to change by yourself, just unscrew one screw.



**Up/Down module** to adjust the Wire Feeding Speed (WFS). Pressing the upper button will increase the speed, pressing the lower button will decrease it.



The **Cross Switch module** allows you to switch between different welding modes and to adjust the WFS.

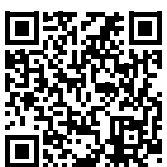
Use the Cross Switch module to choose one of the following options:

1. Wire Feeding Speed and Arc Length / Trim
2. Wire Feeding Speed and Job
3. Wire Feeding Speed and Procedure A-B



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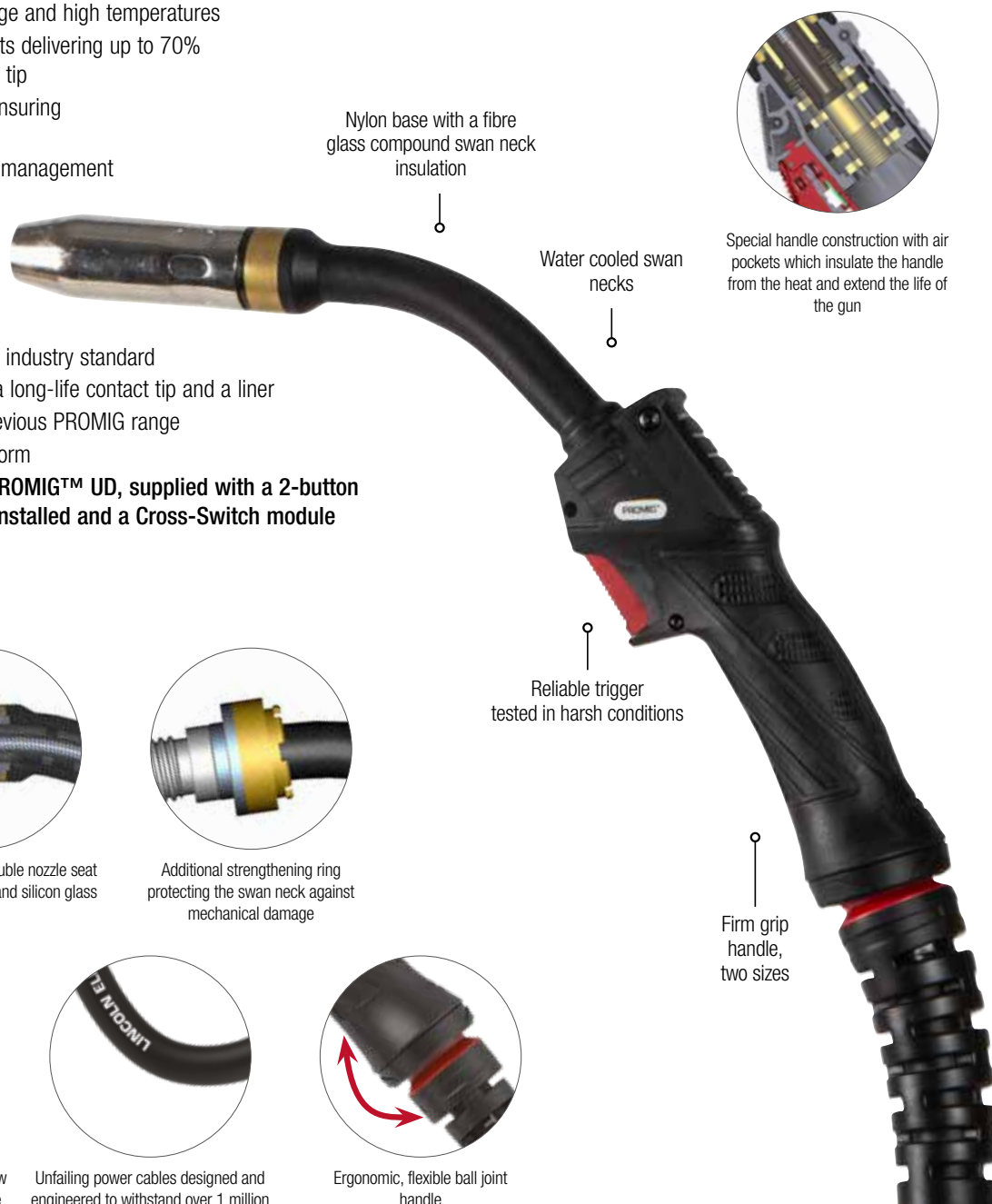


# LINGGUN® PROMIG™

Premium MIG welding guns. Doubled warranty. Tested, approved & trusted.

## TOP FEATURES

- Resistant to mechanical damage and high temperatures
- Long-life, proprietary wear parts delivering up to 70% more welding wire per contact tip
- Dedicated high quality liners ensuring smooth wire feeding
- Simplified use and wear parts management to reduce downtime
- Model 230T with a rotatable swan neck
- Screwed nozzle
- Wide range
- Extended warranty, double the industry standard
- Delivered ready to weld: with a long-life contact tip and a liner
- Wear parts common to the previous PROMIG range
- Compliant with EN 60974-7 norm
- Also available : LINGGUN® PROMIG™ UD, supplied with a 2-button module (Up/Down) already installed and a Cross-Switch module



## Choose your gun

rating calculated using CO<sub>2</sub>

- air cooled
- water cooled

| Series    | Size | Rate | 160A           | 180A | 200A | 230A | 250A | 270A | 330A | 350A | 420A | 500A |
|-----------|------|------|----------------|------|------|------|------|------|------|------|------|------|
| LG PROMIG | 230T | 60%  | [Air Cooled]   |      |      |      |      |      |      |      |      |      |
|           | 270  |      | [Air Cooled]   |      |      |      |      |      |      |      |      |      |
|           | 300  |      | [Air Cooled]   |      |      |      |      |      |      |      |      |      |
|           | 400  |      | [Air Cooled]   |      |      |      |      |      |      |      |      |      |
|           | 330W | 100% | [Water Cooled] |      |      |      |      |      |      |      |      |      |
|           | 400W |      | [Water Cooled] |      |      |      |      |      |      |      |      |      |
|           | 500W |      | [Water Cooled] |      |      |      |      |      |      |      |      |      |

# MIG/MAG TORCHES



## AIR-COOLED MODELS



|                            |                 | LG PROMIG 230T  | LG PROMIG 270                                | LG PROMIG 300  | LG PROMIG 300 UD | LG PROMIG 400   |
|----------------------------|-----------------|---|--|--|------------------|---|
| Duty cycle                 | CO <sub>2</sub> | 230 A @ 60%   | 270 A @ 60%                                  | 300 A @ 60%  |                  | 400 A @ 60%   |
|                            | M21             | 200 A @ 60%   | 240 A @ 60%                                  | 270 A @ 60%  |                  | 370 A @ 60%   |
| Wire diameter options      |                 | 0.8-1.0 mm  | 0.8-1.0 mm                                   | 1.0-1.2 mm   |                  | 1.0-1.6 mm  |
| Original equipment         | Contact tip     | 0.8 mm steel  | 1.0 mm steel                                 | 1.2 mm steel   |                  | 1.2 mm steel  |
|                            | Nozzle          | Ø 12 mm   | Ø 14 mm                                      | Ø 16 mm  |                  | Ø 16 mm   |
| Handle size, other feature |                 | Small, <b>rotatable swan neck for comfortable welding in hard-to-reach places</b> | Small  | Large  |                  | Large   |
| Typical application        |                 | Thin plates, automotive industry, out of position welding                         | Thin plates, light fabrication, locksmithing | Vessel, manufacture, steel structures, boiler making, structural steelwork |                  | Thick plates, heavy duty welding when water cooling is not possible |
| Reference                  |                 |   |  |  |                  |   |
| 3 m                        |                 | W000275408-2  | W000345060-2                                 | W000345066-2   | -                | W000345072-2  |
| 4 m                        |                 | W000275419-2  | W000345061-2                                 | W000345067-2   | W100000297       | W000345073-2  |
| 5 m                        |                 | W000275420-2  | W000345062-2                                 | W000345068-2   | -                | W000345074-2  |



## WATER-COOLED MODELS



|                       |                 | LG PROMIG 330W                            | LG PROMIG 400W   | LG PROMIG 500W                   | LG PROMIG 500W UD |
|-----------------------|-----------------|---|--|----------------------------------|-------------------|
| Duty cycle            | CO <sub>2</sub> | 330 A @ 100%                              | 400 A @ 100%   | 500 A @ 100%                     |                   |
|                       | M21             | 300 A @ 100%                              | 370 A @ 100%   | 450 A @ 100%                     |                   |
| Wire diameter options |                 | 0.8-1.0 mm                                | 1.0-1.2 mm   | 1.0-1.6 mm                       |                   |
| Original equipment    | Contact tip     | 1.0 mm steel                              | 1.2 mm steel   | 1.2 mm steel                     |                   |
|                       | Nozzle          | Ø 14 mm                                   | Ø 16 mm  | Ø 16 mm                          |                   |
| Handle size           |                 | Small                                     | Small  | Large                            |                   |
| Typical application   |                 | Precision and high-intensity applications | Intensive applications such as boiler making, structural steelwork, mechanical welding | Thick plates, heavy duty welding |                   |
| Reference             |                 |   |  |                                  |                   |
| 3 m                   |                 | W000345063-2                              | W000345069-2   | W000345075-2                     | -                 |
| 4 m                   |                 | W000345064-2                              | W000345070-2   | W000345076-2                     | W100000298        |
| 5 m                   |                 | W000345065-2                              | W000345071-2   | W000345077-2                     | -                 |

## LINGUN® PROMIG™ 230T

**Nozzle \***

|     |                   |
|-----|-------------------|
| D12 | W000345408        |
|     | W000345408 -B20** |
| D14 | W000345409        |

**Contact tip**

|       |      |          |     |                  |
|-------|------|----------|-----|------------------|
| Steel | Ø mm | M 6 x 32 | 0,8 | W000345574       |
|       |      |          |     | W000345574-B50** |
|       |      |          | 1,0 | W000345575       |
|       |      |          |     | W000345575-B50** |
|       |      |          | 1,2 | W000345577       |
|       |      |          |     | W000345577-B50** |

**Diffuser**

W000345335

**\*\*NOW AVAILABLE WEAR PARTS IN BULK, MORE ECONOMICAL, MORE ECOLOGICAL**

| Ø mm                            | Steel or PTFE liner |                   |                   |                   |
|---------------------------------|---------------------|-------------------|-------------------|-------------------|
|                                 | 3 m                 | 4 m               | 5 m               |                   |
| LGP 230T<br>Steel (Steel liner) | 0,8                 | W100000273 (blue) | W100000274 (blue) | W100000275 (blue) |
|                                 | 1,0                 | W100000276 (red)  | W100000277 (red)  | W100000278 (red)  |
|                                 | 1,2                 |                   |                   |                   |

## LINGUN® PROMIG™ 270 / 330W

**Nozzle \***

|     |                  |
|-----|------------------|
| D12 | W000345410       |
|     | W000345411       |
| D14 | W000345411-B20** |

**Contact tip**

|           |      |            |     |                  |
|-----------|------|------------|-----|------------------|
| Steel     | Ø mm | M 6 x 32   | 0,8 | W000345574       |
|           |      |            |     | W000345574-B50** |
|           |      |            | 1,0 | W000345575       |
|           |      |            |     | W000345575-B50** |
|           |      |            | 1,2 | W000345577       |
|           |      |            |     | W000345577-B50** |
| Aluminium | 1,0  | W000345576 |     |                  |
|           | 1,2  | W000345578 |     |                  |

**Diffuser**

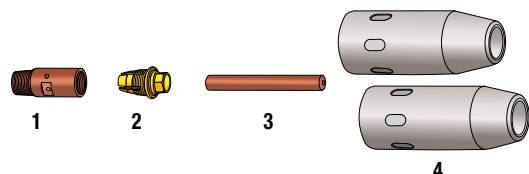
W000345335

| Ø mm                                  | Steel or PTFE liner |                    |                    |                    |
|---------------------------------------|---------------------|--------------------|--------------------|--------------------|
|                                       | 3 m                 | 4 m                | 5 m                |                    |
| LGP 270 / 330W<br>Steel (Steel liner) | 0,8                 | W100000273 (blue)  | W100000274 (blue)  | W100000275 (blue)  |
|                                       | 1,0                 | W100000276 (red)   | W100000277 (red)   | W100000278 (red)   |
|                                       | 1,2                 |                    |                    |                    |
| Aluminium (PTFE liner)                | 1,0                 | W100000279 (black) | W100000280 (black) | W100000281 (black) |
|                                       | 1,2                 |                    |                    |                    |

\* Bottleneck nozzles W000345408 (D12) and W000345409 (D14) also can be used.

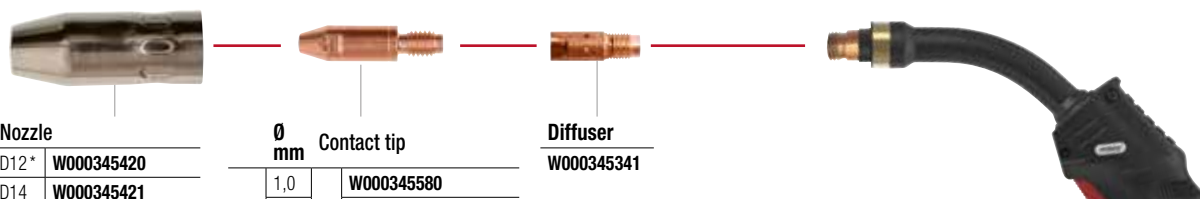
### Options: Adjustable Long Tip

|   |                            |  |  |
|---|----------------------------|--|--|
| 1 | Special Contact Tip Holder | W000345334                                       | Diffuser D4.8x50                         |
| 2 | Collet                     | W000345329                                       | Collet D4.8x50                           |
| 3 | Special Contact Tip        | W000345555                                       | Contact tip D4.8x50 for 0.8mm steel wire |
|   |                            | W000345556                                       | Contact tip D4.8x50 for 1.0mm steel wire |
| 4 | Nozzles                    | Please use standard nozzles for LGP 270 and 330W |  |



Red-colored wear parts assembled and delivered with the gun \*\* B50 = pack of 50 pcs, B20 = pack of 20 pcs

## LINGUN® PROMIG™ 300 / 400W / 300 UD



| Nozzle |                  |
|--------|------------------|
| D12*   | W000345420       |
| D14    | W000345421       |
| D16    | W000345422       |
|        | W000345422-B20** |

| Ø mm | Contact tip      |
|------|------------------|
|      |                  |
| 1,0  | W000345580       |
|      | W000345580-B50** |
|      | W000345582       |
|      | W000345582-B50** |
|      | W000345584       |
| 1,2  | W000345584-B50** |
|      | W000345585       |
| 1,4  | W000345581       |
|      | W000345583       |
| 1,6  | W000345583-B50** |
|      | Aluminium        |
| 1,0  | W000345581       |
|      | W000345583       |
| 1,2  | W000345583-B50** |

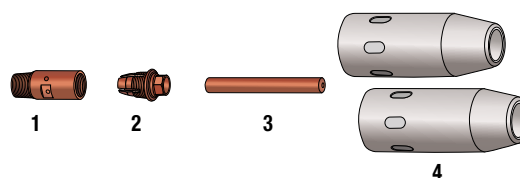
Diffuser  
W000345341

**\*\*NOW AVAILABLE  
WEAR PARTS IN BULK,  
MORE ECONOMICAL,  
MORE ECOLOGICAL**

| LGP 300 / 400W         | Ø mm | Steel or PTFE liner |                     |                     |
|------------------------|------|---------------------|---------------------|---------------------|
|                        |      | 3 m                 | 4 m                 | 5 m                 |
| Steel (steel liner)    | 1,0  | W100000282 (red)    | W100000283 (red)    | W100000284 (red)    |
|                        | 1,2  |                     |                     |                     |
|                        | 1,4  | W100000285 (yellow) | W100000286 (yellow) | W100000287 (yellow) |
|                        | 1,6  |                     |                     |                     |
| Aluminium (PTFE liner) | 1,0  | W100000288 (black)  | W100000289 (black)  | W100000290 (black)  |
|                        | 1,2  |                     |                     |                     |

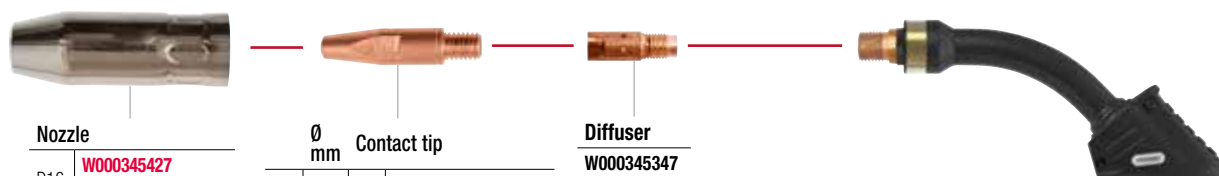
### Options: Adjustable Long Tip

|   |                            |  |   |
|---|----------------------------|--|---|
| 1 | Special Contact Tip Holder | W000345340                                       | Diffuser D6.3x55                                |
| 2 | Collet                     | W000345331                                       | Collet D6.3x55                                  |
| 3 | Special Contact Tip        | W000345561                                       | Contact tip D6.3x55 for 1.0mm steel wire CuCrZr |
|   |                            | W000345563                                       | Contact tip D6.3x55 for 1.2mm steel wire CuCrZr |
|   |                            | W000345566                                       | Contact tip D6.3x55 for 1.6mm steel wire CuCrZr |
|   |                            | W000345564                                       | Contact tip D6.3x55 for 1.2mm Alu wire          |
| 4 | Nozzles                    | Please use standard nozzles for LGP 300 and 400W |   |



\* Narrow nozzle W000345420 (D12) can be used only with a special contact tip holder: W000345342

## LINGUN® PROMIG™ 400 / 500W / 500 UD



| Nozzle |                  |
|--------|------------------|
| D16    | W000345427       |
|        | W000345427-B20** |
| D19    | W000345428       |

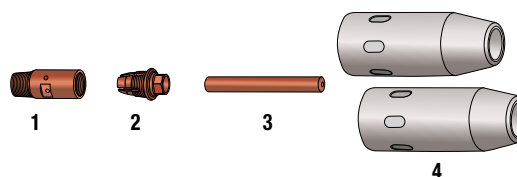
| Ø mm | Contact tip      |
|------|------------------|
|      |                  |
| 1,0  | W000345587       |
|      | W000345589       |
|      | W000345589-B50** |
|      | W000345591       |
|      | W000345592       |
| 1,2  | W000345588       |
|      | W000345590       |
| 1,4  | W000345590-B50** |
|      | Aluminium        |
| 1,0  | W000345590       |
|      | W000345590-B50** |
| 1,2  | W000345593       |
|      | 1,6              |

Diffuser  
W000345347

| LGP 400 / 500W         | Ø mm | Steel or PTFE liner |                     |                     |
|------------------------|------|---------------------|---------------------|---------------------|
|                        |      | 3 m                 | 4 m                 | 5 m                 |
| Steel (Steel liner)    | 1,0  | W100000282 (red)    | W100000283 (red)    | W100000284 (red)    |
|                        | 1,2  |                     |                     |                     |
|                        | 1,4  | W100000285 (yellow) | W100000286 (yellow) | W100000287 (yellow) |
|                        | 1,6  |                     |                     |                     |
| Aluminium (PTFE liner) | 1,0  | W100000288 (black)  | W100000289 (black)  | W100000290 (black)  |
|                        | 1,2  | W100000291 (black)  | W100000292 (black)  | W100000293 (black)  |

### Options: Adjustable Long Tip

|   |                            |  |   |
|---|----------------------------|--|---|
| 1 | Special Contact Tip Holder | W000345346                                       | Diffuser D6.3x55                                |
| 2 | Collet                     | W000345331                                       | Collet D6.3x55                                  |
| 3 | Special Contact Tip        | W000345561                                       | Contact tip D6.3x55 for 1.0mm steel wire CuCrZr |
|   |                            | W000345563                                       | Contact tip D6.3x55 for 1.2mm steel wire CuCrZr |
|   |                            | W000345566                                       | Contact tip D6.3x55 for 1.6mm steel wire CuCrZr |
|   |                            | W000345564                                       | Contact tip D6.3x55 for 1.2mm Alu wire          |
| 4 | Nozzles                    | Please use standard nozzles for LGP 400 and 500W |   |



Red-colored wear parts assembled and delivered with the gun

\*\* B50 = pack of 50 pcs, B20 = pack of 20 pcs

# LGS2 TORCHES

Simple and reliable – this range is adaptable to the most common applications.

Compliant with

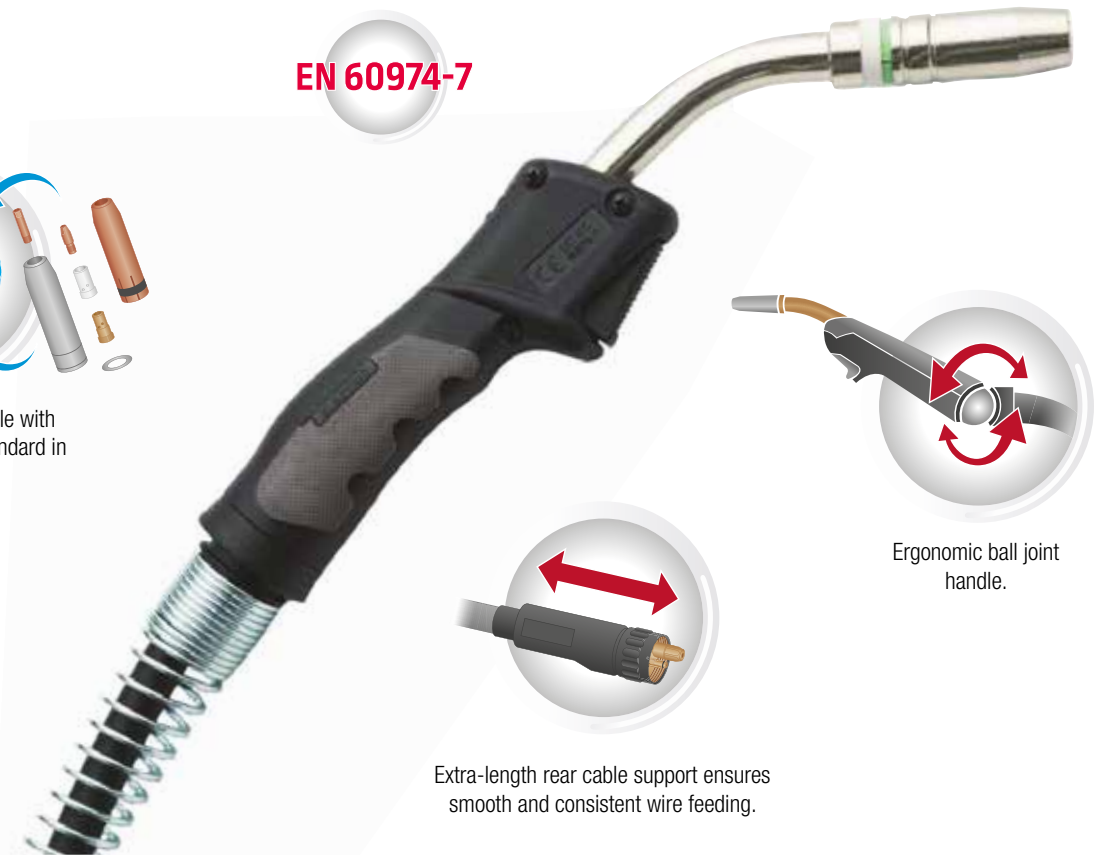
**EN 60974-7**



Wear parts compatible with the most common standard in Europe.



Extra-flexible cable.



Ergonomic ball joint handle.

Extra-length rear cable support ensures smooth and consistent wire feeding.

|  | AIR COOLING    |              |              |              | WATER COOLING |
|--|----------------|--------------|--------------|--------------|---------------|
| MODEL                                      | LGS2-150G      | LGS2-250G    | LGS2-240G    | LGS2-360G    | LGS2-505W     |
| Duty cycle (CO <sub>2</sub> shielding gas) | 180 A @ 60%    | 230 A @ 60%  | 250 A @ 60%  | 330 A @ 60%  | 500 A @ 100%  |
| Applications                               | 1              | 2            | 2            | 3            | 4             |
| Wire diameter                              | Up to 1.0 mm   | Up to 1.2 mm | Up to 1.2 mm | Up to 1.6 mm | Up to 2.4 mm  |
| Original equipment                         | Contact tip    | 0.8 mm       | 1.0 mm       | 1.0 mm       | 1.2 mm        |
|  | Conical nozzle | 12 mm        | 15 mm        | 12.5 mm      | 16 mm         |

- 1 Thin plates, automotive industry
- 2 Thin plates, light fabrication
- 3 Vessel manufacture, steel structures
- 4 Heavy duty, high production

| Reference |              |              |              |              |               |
|-----------|--------------|--------------|--------------|--------------|---------------|
| 3 m       | W10429-15-3M | W10429-25-3M | W10429-24-3M | W10429-36-3M | W10429-505-3M |
| 4 m       | W10429-15-4M | W10429-25-4M | W10429-24-4M | W10429-36-4M | W10429-505-4M |
| 5 m       | W10429-15-5M | W10429-25-5M | W10429-24-5M | W10429-36-5M | W10429-505-5M |

## Choose your gun

rating calculated using CO<sub>2</sub>

- air cooled
- water cooled

| Series | Size | Rate | 160A | 180A | 200A | 230A | 250A | 270A | 330A | 350A | 420A | 500A |  |
|--------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| LGS2   | 150G | 60%  | ■    |      |      |      |      |      |      |      |      |      |  |
|        | 250G |      | ■    |      |      |      |      |      |      |      |      |      |  |
|        | 240G |      | ■    |      |      |      |      |      |      |      |      |      |  |
|        | 360G |      | ■    |      |      |      |      |      |      |      |      |      |  |
|        | 505W | 100% | ■    |      |      |      |      |      |      |      |      |      |  |

## LGS2 150G

**Nozzle**

|             |            |
|-------------|------------|
| Con. D10    | W000010787 |
| Con. D12.5  | W000010786 |
| Cyl. D16    | W000010788 |
| Innershield | WP10468    |

**Contact tip**

| Ø mm | Material  | Part Number |
|------|-----------|-------------|
| 0.6  | Steel     | W000010820  |
|      |           | W000010823* |
|      |           | W000010821  |
|      |           | W000010824* |
|      |           | WP10440-09  |
| 0.8  | Steel     | W000010822  |
|      |           | W000010825* |
| 1.0  | Aluminium | WP10440-08A |
|      |           | WP10440-10A |
|      |           |             |

**Contact tip holder**

|            |
|------------|
| W000277903 |
|------------|

**Nozzle spring**

|            |
|------------|
| W000277448 |
|------------|

**Steel or PTFE liner**

| Ø mm                             | Steel or PTFE liner |                   |                   |                   |
|----------------------------------|---------------------|-------------------|-------------------|-------------------|
|                                  | 3 m                 | 4 m               | 5 m               |                   |
| LGS2 150G<br>Steel (Steel liner) | 0.6                 | W000010730 (blue) | W000010731 (blue) | W000010732 (blue) |
|                                  | 0.8                 |                   |                   |                   |
|                                  | 0.9                 | W000010733 (red)  | W000010734 (red)  | W000010735 (red)  |
|                                  | 1.0                 |                   |                   |                   |
|                                  | 1.0                 | WP10422-3M (blue) | WP10422-4M (blue) | WP10422-5M (blue) |
| 1.0                              | W000010736 (red)    | W000010737 (red)  | W000010738 (red)  |                   |

## LGS2 250G

**Nozzle**

|          |            |
|----------|------------|
| Con. D11 | W000010791 |
| Con. D15 | W000010790 |
| Cyl. D20 | W000010792 |

**Contact tip**

| Ø mm | Material  | Part Number |
|------|-----------|-------------|
| 0.8  | Steel     | W000010826  |
|      |           | W000010830* |
|      |           | WP10441-09  |
|      |           | W000010827  |
|      |           | W000010831* |
|      |           | W000010828  |
| 1.0  | Aluminium | W000010832* |
|      |           | WP10441-08A |
|      |           | W000010850  |
| 1.2  |           | W000010851  |

**Contact tip holder**

|            |
|------------|
| W000010720 |
|------------|

**Nozzle spring**

|            |
|------------|
| W000277477 |
|------------|

**Steel or PTFE liner**

| Ø mm                                | Steel or PTFE liner |                   |                   | PTFE liner with copper spiral end |                  |                  |
|-------------------------------------|---------------------|-------------------|-------------------|-----------------------------------|------------------|------------------|
|                                     | 3 m                 | 4 m               | 5 m               | 3 m                               | 4 m              | 5 m              |
| LGS2 250G<br>Steel (Steel liner)    | 0.8                 | W000010730 (blue) | W000010731 (blue) | W000010732 (blue)                 |                  |                  |
|                                     | 0.9                 |                   |                   |                                   |                  |                  |
|                                     | 1.0                 | W000010733 (red)  | W000010734 (red)  | W000010735 (red)                  |                  |                  |
|                                     | 1.2                 |                   |                   |                                   |                  |                  |
| LGS2 250G<br>Aluminium (PTFE liner) | 0.8                 | WP10422-3M (blue) | WP10422-4M (blue) | WP10422-5M (blue)                 |                  |                  |
|                                     | 1.0                 | W000010736 (red)  | W000010737 (red)  | W000010738 (red)                  | WP10419-3M (red) | WP10419-4M (red) |
|                                     | 1.2                 |                   |                   |                                   |                  | WP10419-5M (red) |

## LGS2 240G

**Nozzle**

|            |           |
|------------|-----------|
| Con. D10   | WP10461-9 |
| Con. D12.5 | WP10461-4 |

**Contact tip**

| Ø mm | Material | Part Number  |
|------|----------|--------------|
| 0.6  | Steel    | W000010820   |
|      |          | W000010821   |
|      |          | W000010824*  |
|      |          | WP10440-09   |
|      |          | W000010822   |
|      |          | W000010825   |
|      |          | WP10440-12   |
|      |          | WP10440-12C* |
|      |          | WP10440-08A  |
|      |          | WP10440-10A  |
| 1.2  |          | WP10440-12A  |

**Contact tip holder**

|           |
|-----------|
| WP10455-1 |
|-----------|

**Insulating diffuser**

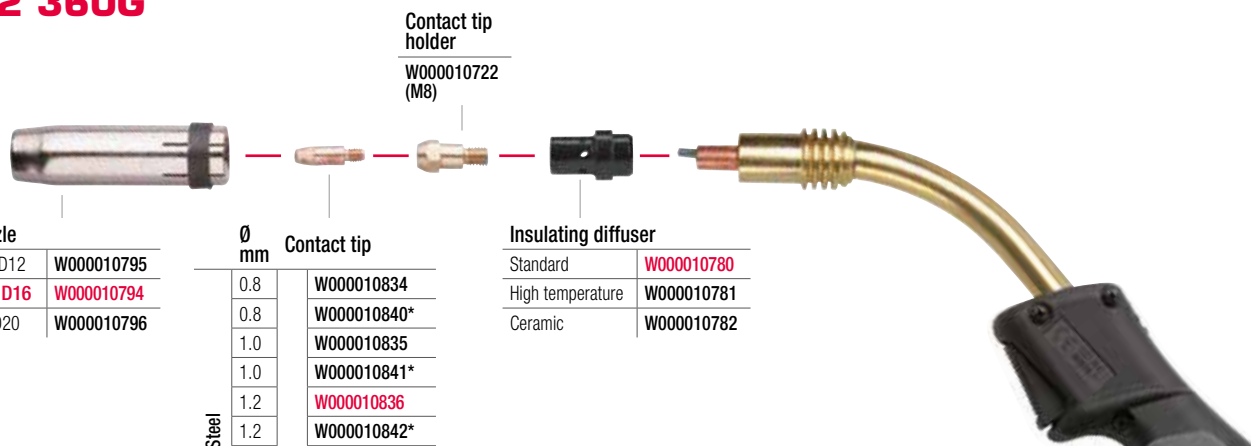
|                  |             |
|------------------|-------------|
| Standard         | WP10404-STD |
| High temperature | WP10404-HT  |
| Ceramic          | WP10404-CR  |

**Steel or PTFE liner**

| Ø mm                                | Steel or PTFE liner |                   |                   | PTFE liner with copper spiral end |                  |                  |
|-------------------------------------|---------------------|-------------------|-------------------|-----------------------------------|------------------|------------------|
|                                     | 3 m                 | 4 m               | 5 m               | 3 m                               | 4 m              | 5 m              |
| LGS2 240G<br>Steel (steel liner)    | 0.6                 | W000010730 (blue) | W000010731 (blue) | W000010732 (blue)                 |                  |                  |
|                                     | 0.8                 |                   |                   |                                   |                  |                  |
|                                     | 0.9                 |                   |                   |                                   |                  |                  |
|                                     | 1.0                 | W000010733 (red)  | W000010734 (red)  | W000010735 (red)                  |                  |                  |
|                                     | 1.2                 |                   |                   |                                   |                  |                  |
| LGS2 240G<br>Aluminium (PTFE liner) | 0.8                 | WP10422-3M (blue) | WP10422-4M (blue) | WP10422-5M (blue)                 |                  |                  |
|                                     | 1.0                 | W000010736 (red)  | W000010737 (red)  | W000010738 (red)                  | WP10419-3M (red) | WP10419-4M (red) |
|                                     | 1.2                 |                   |                   |                                   |                  | WP10419-5M (red) |

Original equipment parts \* CuCrZr contact tips

# LGS2 360G



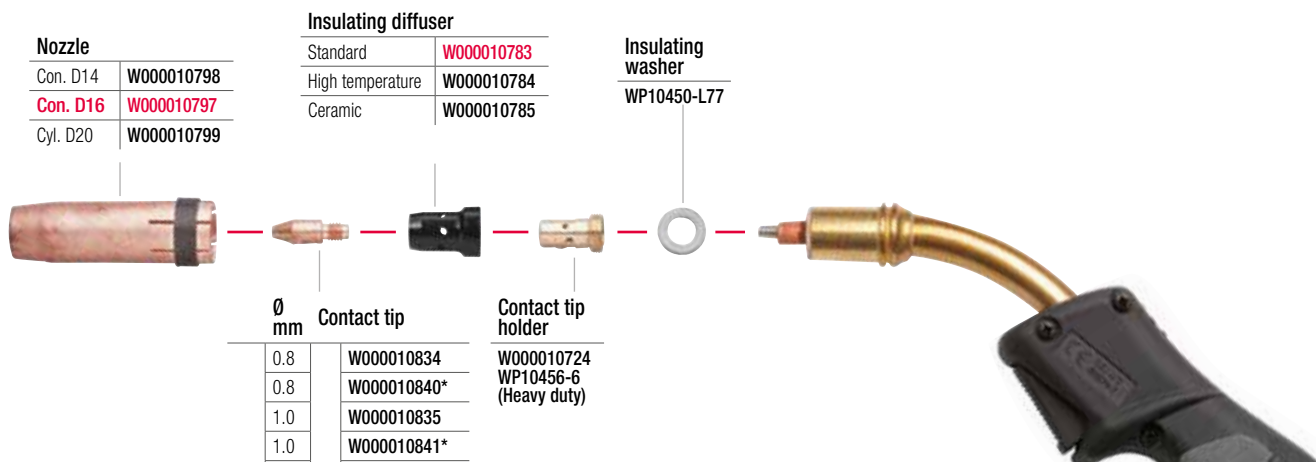
| Nozzle   |            |
|----------|------------|
| Con. D12 | W000010795 |
| Con. D16 | W000010794 |
| Cyl. D20 | W000010796 |

| Material  | Ø mm | M 8 x 30 | Contact tip |               |
|-----------|------|----------|-------------|---------------|
|           |      |          | Ø mm        | Part No.      |
| Steel     | 0.8  |          | 0.8         | W000010834    |
|           | 0.8  |          | 0.8         | W000010840*   |
|           | 1.0  |          | 1.0         | W000010835    |
|           | 1.0  |          | 1.0         | W000010841*   |
|           | 1.2  |          | 1.2         | W000010836    |
|           | 1.2  |          | 1.2         | W000010842*   |
|           | 1.32 |          | 1.32        | WP10445-132C* |
|           | 1.4  |          | 1.4         | W000262703    |
|           | 1.4  |          | 1.4         | W000262704*   |
|           | 1.6  |          | 1.6         | W000010837    |
| Aluminium | 0.8  |          | 0.8         | WP10445-08A   |
|           | 1.0  |          | 1.0         | W000010853    |
|           | 1.2  |          | 1.2         | W000010854    |
|           | 1.6  |          | 1.6         | W000010855    |

| Insulating diffuser |            |
|---------------------|------------|
| Standard            | W000010780 |
| High temperature    | W000010781 |
| Ceramic             | W000010782 |

| LGS2 360G              | Ø mm | Steel or PTFE liner |                        |                        | PTFE liner with copper spiral end |                        |                        |
|------------------------|------|---------------------|------------------------|------------------------|-----------------------------------|------------------------|------------------------|
|                        |      | 3 m                 | 4 m                    | 5 m                    | 3 m                               | 4 m                    | 5 m                    |
|                        |      | Steel (Steel liner) | Aluminium (PTFE liner) | Aluminium (PTFE liner) | Aluminium (PTFE liner)            | Aluminium (PTFE liner) | Aluminium (PTFE liner) |
| Steel (Steel liner)    | 0.8  | W000010730 (blue)   | W000010731 (blue)      | W000010732 (blue)      | -                                 | -                      | -                      |
|                        | 1.0  | W000010733 (red)    | W000010734 (red)       | W000010735 (red)       | -                                 | -                      | -                      |
|                        | 1.2  | -                   | -                      | -                      | -                                 | -                      | -                      |
|                        | 1.4  | W000010867 (yellow) | W000010868 (yellow)    | W000010869 (yellow)    | -                                 | -                      | -                      |
|                        | 1.6  | -                   | -                      | -                      | -                                 | -                      | -                      |
| Aluminium (PTFE liner) | 0.8  | WP10422-3M (blue)   | WP10422-4M (blue)      | WP10422-5M (blue)      | -                                 | -                      | -                      |
|                        | 1.0  | W000010736 (red)    | W000010737 (red)       | W000010738 (red)       | WP10419-3M (red)                  | WP10419-4M (red)       | WP10419-5M (red)       |
|                        | 1.2  | -                   | -                      | -                      | -                                 | -                      | -                      |
|                        | 1.6  | W000010745 (yellow) | W000010746 (yellow)    | W000010747 (yellow)    | -                                 | -                      | -                      |

# LGS2 505W



| Nozzle   |            |
|----------|------------|
| Con. D14 | W000010798 |
| Con. D16 | W000010797 |
| Cyl. D20 | W000010799 |

| Insulating diffuser |            |
|---------------------|------------|
| Standard            | W000010783 |
| High temperature    | W000010784 |
| Ceramic             | W000010785 |

| Insulating washer |             |
|-------------------|-------------|
| Part No.          | WP10450-L77 |

| Material  | Ø mm | M 8 x 30 | Contact tip |               | Contact tip holder                      |
|-----------|------|----------|-------------|---------------|---|
|           |      |          | Ø mm        | Part No.      |   |
| Steel     | 0.8  |          | 0.8         | W000010834    | W000010724<br>WP10456-6<br>(Heavy duty) |
|           | 0.8  |          | 0.8         | W000010840*   |   |
|           | 1.0  |          | 1.0         | W000010835    |   |
|           | 1.0  |          | 1.0         | W000010841*   |   |
|           | 1.2  |          | 1.2         | W000010836    |   |
|           | 1.2  |          | 1.2         | W000010842*   |   |
|           | 1.32 |          | 1.32        | WP10445-132C* |   |
|           | 1.4  |          | 1.4         | W000262703    |   |
|           | 1.4  |          | 1.4         | W000262704*   |   |
|           | 1.6  |          | 1.6         | W000010837    |   |
| Aluminium | 0.8  |          | 0.8         | WP10445-08A   |   |
|           | 1.0  |          | 1.0         | W000010853    |   |
|           | 1.2  |          | 1.2         | W000010854    |   |
|           | 1.6  |          | 1.6         | W000010855    |   |

| LGS2 505W              | Ø mm | Steel or PTFE liner   |                        |                        | PTFE liner with copper spiral end |                        |                        |
|------------------------|------|-----------------------|------------------------|------------------------|-----------------------------------|------------------------|------------------------|
|                        |      | 3 m                   | 4 m                    | 5 m                    | 3 m                               | 4 m                    | 5 m                    |
|                        |      | Steel (Steel liner)   | Aluminium (PTFE liner) | Aluminium (PTFE liner) | Aluminium (PTFE liner)            | Aluminium (PTFE liner) | Aluminium (PTFE liner) |
| Steel (Steel liner)    | 0.8  | W000010730 (blue)     | W000010731 (blue)      | W000010732 (blue)      | -                                 | -                      | -                      |
|                        | 1.0  | WP10410-3M (uncoated) | WP10410-4M (uncoated)  | WP10410-5M (uncoated)  | -                                 | -                      | -                      |
|                        | 1.2  | -                     | -                      | -                      | -                                 | -                      | -                      |
|                        | 1.4  | WP10411-3M (uncoated) | W000010740 (uncoated)  | W000010741 (uncoated)  | -                                 | -                      | -                      |
|                        | 1.6  | -                     | -                      | -                      | -                                 | -                      | -                      |
| Aluminium (PTFE liner) | 0.8  | WP10422-3M (blue)     | WP10422-4M (blue)      | WP10422-5M (blue)      | -                                 | -                      | -                      |
|                        | 1.0  | W000010736 (red)      | W000010737 (red)       | W000010738 (red)       | WP10419-3M (red)                  | WP10419-4M (red)       | WP10419-5M (red)       |
|                        | 1.2  | -                     | -                      | -                      | -                                 | -                      | -                      |
|                        | 1.6  | W000010745 (yellow)   | W000010746 (yellow)    | W000010747 (yellow)    | -                                 | -                      | -                      |





**TIG TORCHES**

# PROTIG NG S & III S

Premium TIG torches for maintenance, light and heavy fabrication, construction, automotive industries.

All torches are supplied ready to use, the standard fitting table gives more information.

**Advantages:**

- Two handle styles: EB and RL
- High resistant proprietary wear parts
- Improved robustness.
- Highly flexible cable, user-friendly and robust against spatter burn-in
- Two cable lengths: 5 and 8 m
- The blade trigger may be oriented around the handle (only for PROTIG III S).
- Robust metal trigger (only for PROTIG III S).
- Neoprene sleeve with good maneuverability.
- 1 reference: the C5B connection of the torch fitted as standard, a banana plug included also.

TIG TORCHES

## PROTIG III S

The round handle with a blade trigger (RL).



## PROTIG NG S

The ergonomic handle with button (EB).



| AIR COOLED         |            |           |              |              |              |              |              |              |              |              |
|--------------------|------------|-----------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| MODEL              |            | PROTIG 10 |              | PROTIG 20    |              | PROTIG 30    |              | PROTIG 40    |              |              |
| Duty cycle 35%     |            | 125 A     |              | 150 A        |              | 200 A        |              | 250 A        |              |              |
| Duty cycle 60%     |            | 80 A      |              | 100 A        |              | 130 A        |              | 200 A        |              |              |
| Fitted as standard | back cap   | Long      |              |              |              |              |              |              |              |              |
|                    | nozzle     | Ø 9.6 mm  |              |              |              | Ø 12 mm      |              |              |              |              |
|                    | electrode  | Ø 1.6 mm  |              | Ø 2.0 mm     |              | Ø 2.4 mm     |              |              |              |              |
| Length             |            | 5 m       | 8 m          | 5 m          | 8 m          | 5 m          | 8 m          | 5 m          | 8 m          |              |
| PROTIG III S       | Connection | C5B/S     | W000382715-2 | W000382716-2 | W000382717-2 | W000382718-2 | W000382719-2 | W000382720-2 | W000382721-2 | W000382722-2 |
| PROTIG NG S        |            |           | W000278394-2 | W000278395-2 | W000278396-2 | W000278397-2 | W000278398-2 | W000278399-2 | W000278400-2 | W000278401-2 |

| WATER COOLED       |            |            |              |              |              |              |              |              |     |
|--------------------|------------|------------|--------------|--------------|--------------|--------------|--------------|--------------|-----|
| MODEL              |            | PROTIG 10W |              | PROTIG 35W   |              | PROTIG 40W   |              |              |     |
| Duty cycle 100%    |            | 220 A      |              | 350 A        |              | 450 A        |              |              |     |
| Fitted as standard | back cap   | long       |              |              |              |              |              |              |     |
|                    | nozzle     | Ø 12.8 mm  |              | Ø 15 mm      |              | Ø 14 mm      |              |              |     |
|                    | electrode  | Ø 2.4 mm   |              | Ø 4.0 mm     |              | Ø 4.8 mm     |              |              |     |
| Length             |            | 5 m        | 8 m          | 5 m          | 8 m          | 5 m          | 8 m          | 5 m          | 8 m |
| PROTIG III S       | Connection | C5B/S      | W000382723-2 | W000382724-2 | W000382725-2 | W000382726-2 | W000382727-2 | -            |     |
| PROTIG NG S        |            |            | W000278402-2 | W000278403-2 | W000278404-2 | W000278405-2 | W000278406-2 | W000278407-2 |     |

# OPTIONS ON PROTIG NG S

## Adjustable heads

Optional, adjustable torch bodies are available. They have been designed to make welding in limited access locations easier and come with small and large heads mounted on air or water cooled bodies.



## Modular system

All EB torches come with a single button module as standard. Additional control modules can be ordered.

### Single button



### Other buttons



Horizontal potentiometer

Vertical potentiometer

3 buttons module

Blade

W000279370  
(4.7 Kohm)  
WP10529-3  
(10 Kohm)

W000279246  
(4.7 Kohm)  
WP10529-4  
(10 Kohm)

WP10529-2

W000279245

## Customise your PROTIG NG torch with the following body bends and heads:

- Air cooled body bent (10/20)
- Water cooled body bent (10W)
- Head PROTIG NG 10/10W
- Head PROTIG NG 20

W000279381  
W000279382  
W000279383  
W000279384

⚠ Plug kits are needed in addition to the button modules: see below table

## Choose your module & your plug kit for Protig NG S

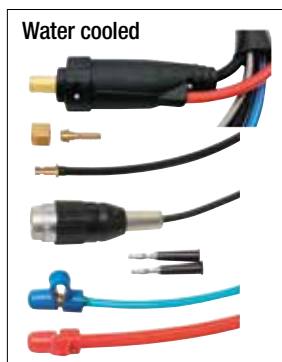
|                 |   |  |    |                     |
|-----------------|---|--|----|---------------------|
| Button modules  |   |  | or |                     |
| Reference       | WP10529-2   | WP10529-4 (10 Kohm)  | +  | WP10529-3 (10 Kohm) |
| Plug kit        | <ul style="list-style-type: none"> <li>• No plug kit needed</li> <li>• Torch is connected to the machine through the C5B plug (5 pins)</li> </ul> | <p>WP10529-9</p>   |    |                     |
| Compatible with | <ul style="list-style-type: none"> <li>• CITOTIG 315 / 415 DC</li> <li>• CITOTIG 200 AC / DC</li> </ul>   | <ul style="list-style-type: none"> <li>• All Oerlikon machines with pedal control</li> </ul> |    |                     |

The above modules work only with the PROTIG NG S torches (EB handle).

## Connectors & adapters

### Connectors

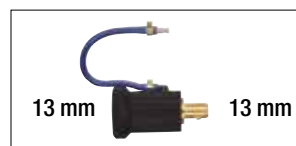
The connectors are newly designed, compact and fully protected and deliver both strength and quality. All hoses are made of rubber with a woven sheath for heavy duty work.



### Adapters

For old torches with central gas to be connected to power sources with separate gas, use **W000306140**.

For torches with separate gas to be connected to power sources with central gas, use **W000306141**.



Dinse 9 to 13 mm **W000306139**



Dinse 13 to 9 mm **038055011**

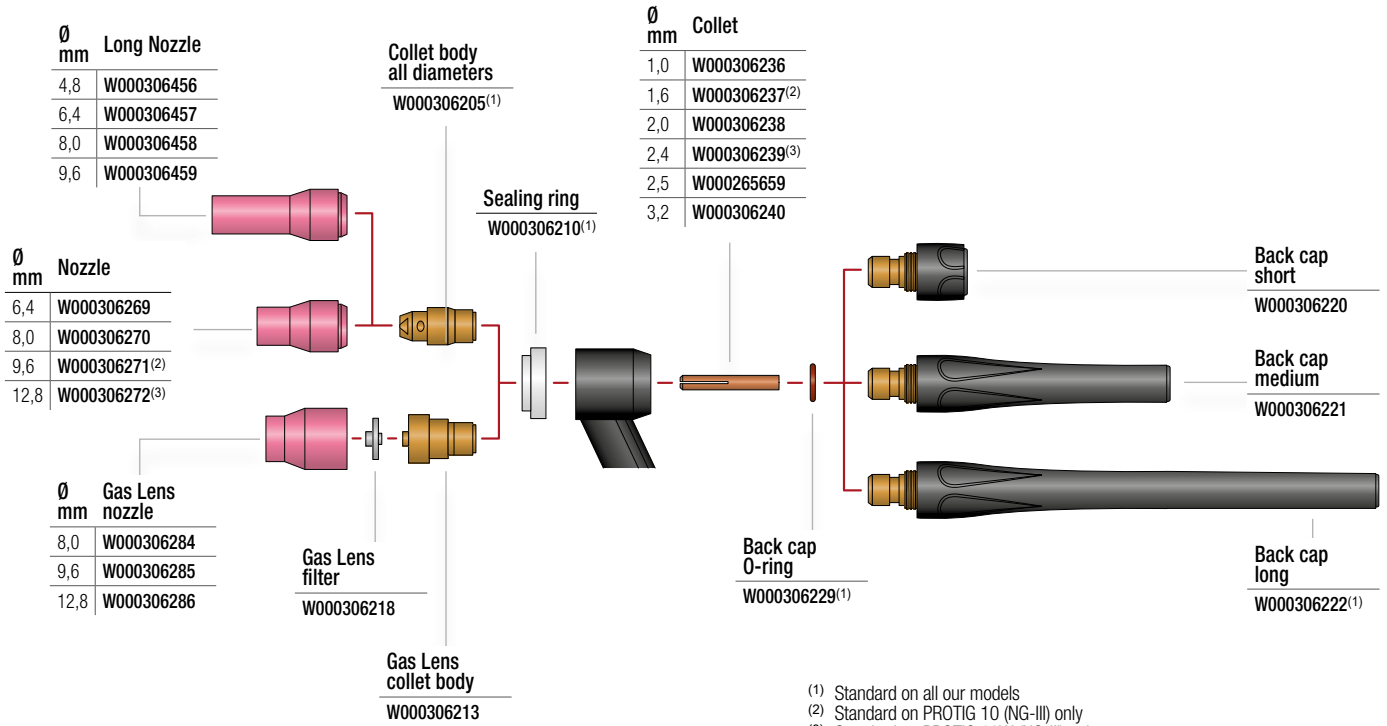


9 mm to 13 mm



13 mm to 9 mm

# PROTIG 10 / 10W



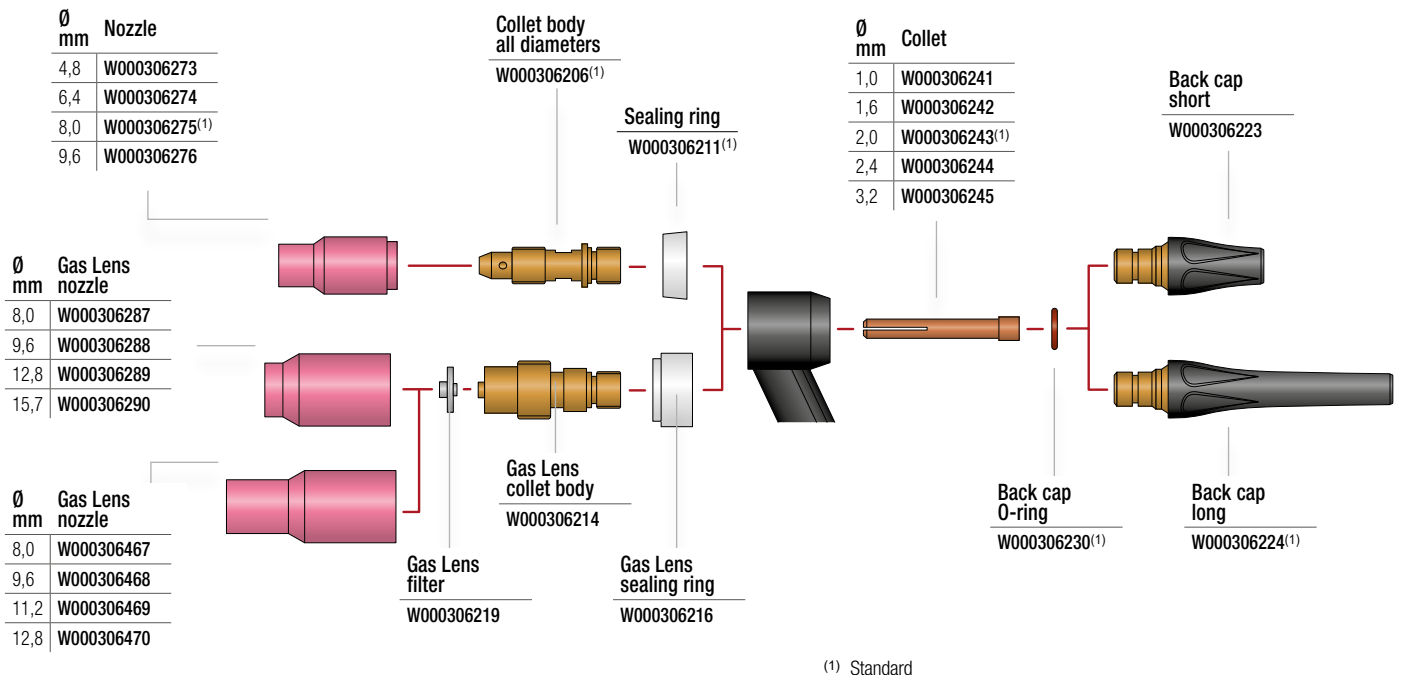
## Gas Lens, for welding where access is difficult.

The gas Lens collet body is supplied with a filter and a sealing ring.  
The ring and the filter are supplied on their own.

### Nozzles : choice of diameter

| Welding current (A) | 70 | 90 | 120 | 200 |
|---------------------|----|----|-----|-----|
| Diameter (mm)       | 6  | 8  | 10  | 12  |

# PROTIG 20



## Gas Lens, for welding where access is difficult.

The gas Lens collet body is supplied with a filter and a sealing ring.  
The ring and the filter are supplied on their own.

### Nozzles : choice of diameter

| Welding current (A) | 70 | 90 | 120 | 200 | 350 |
|---------------------|----|----|-----|-----|-----|
| Diameter (mm)       | 6  | 8  | 10  | 12  | 15  |

## PROTIG 30

| Ø mm | Nozzle                    |
|------|---------------------------|
| 6,4  | W000306277                |
| 8,0  | W000306278                |
| 9,6  | W000306279                |
| 12,8 | W000306280 <sup>(1)</sup> |
| 15,7 | W000306281                |

| Ø mm | Long nozzle |
|------|-------------|
| 6,4  | W000306462  |
| 8,0  | W000306463  |
| 9,6  | W000306464  |
| 11,2 | W000306465  |

| Ø mm | Gas Lens nozzle |
|------|-----------------|
| 8,0  | W000306287      |
| 9,6  | W000306288      |
| 12,8 | W000306289      |
| 15,7 | W000306290      |

| Ø mm | Gas Lens long nozzle |
|------|----------------------|
| 8,0  | W000306467           |
| 9,6  | W000306468           |
| 11,2 | W000306469           |
| 12,8 | W000306470           |

| Ø mm | Collet                    |
|------|---------------------------|
| 1,0  | W000306246                |
| 1,6  | W000306247                |
| 2,0  | W000306248                |
| 2,4  | W000306249 <sup>(1)</sup> |
| 2,5  | W000306261                |
| 3,2  | W000306250                |
| 4,0  | W000306251                |

Collet body all diameters W000306207<sup>(1)</sup>

Sealing ring W000306211<sup>(1)</sup>

Gas Lens collet body W000306214

Gas Lens filter W000306219

Gas Lens sealing ring W000306216

Back cap short W000306223

Back cap O-ring W000306230<sup>(1)</sup>

Back cap long W000306224<sup>(1)</sup>

<sup>(1)</sup> Standard

### Gas Lens, for welding where access is difficult.

The gas Lens collet body is supplied with a filter and a sealing ring.  
The ring and the filter are supplied on their own.

#### Nozzles : choice of diameter

| Welding current (A) | 70 | 90 | 120 | 200 | 350 |
|---------------------|----|----|-----|-----|-----|
| Diameter (mm)       | 6  | 8  | 10  | 12  | 15  |

## PROTIG 35W / 40

| Ø mm | Nozzle                    |
|------|---------------------------|
| 6,4  | W000306277                |
| 8,0  | W000306278                |
| 9,6  | W000306279                |
| 12,8 | W000306280 <sup>(2)</sup> |
| 15,7 | W000306281 <sup>(3)</sup> |

| Ø mm | Nozzle     |
|------|------------|
| 6,4  | W000306462 |
| 8,0  | W000306463 |
| 9,6  | W000306464 |
| 11,2 | W000306465 |

| Ø mm | Gas Lens nozzle |
|------|-----------------|
| 8,0  | W000306287      |
| 9,6  | W000306288      |
| 12,8 | W000306289      |
| 15,7 | W000306290      |

| Ø mm | Gas Lens long nozzle |
|------|----------------------|
| 8,0  | W000306467           |
| 9,6  | W000306468           |
| 11,2 | W000306469           |
| 12,8 | W000306470           |

| Ø mm | Collet                    |
|------|---------------------------|
| 1,0  | W000306252                |
| 1,6  | W000306253                |
| 2,0  | W000306254                |
| 2,4  | W000306255 <sup>(2)</sup> |
| 3,2  | W000306256 <sup>(3)</sup> |
| 4,0  | W000306257                |

Collet body all diameters W000306208<sup>(1)</sup>

Sealing ring W000306212<sup>(1)</sup>

Collet body heavy duty\* W000306201

Gas Lens filter W000306219

Gas Lens collet body W000306215

Gas Lens sealing ring W000306217

Back cap short W000306225

Back cap O-ring W000306231<sup>(1)</sup>

Back cap long W000306226<sup>(1)</sup>

<sup>(1)</sup> Standard on all our models  
<sup>(2)</sup> Standard on PROTIG 40 (NG-III) only  
<sup>(3)</sup> Standard on PROTIG 35W (NG-III) only  
\* For the collet body « heavy duty », use the gas Lens nozzles or the gas Lens long nozzles

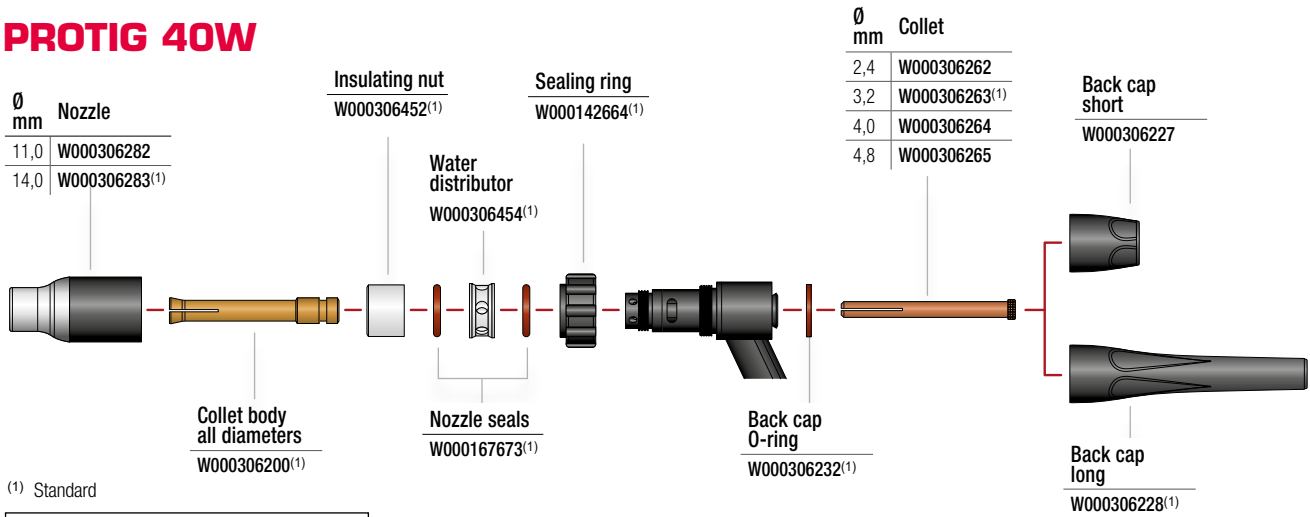
### Gas Lens, for welding where access is difficult.

The gas Lens collet body is supplied with a filter and a sealing ring.  
The ring and the filter are supplied on their own.

#### Nozzles : choice of diameter

| Welding current (A) | 70 | 90 | 120 | 200 | 350 |
|---------------------|----|----|-----|-----|-----|
| Diameter (mm)       | 6  | 8  | 10  | 12  | 15  |

# PROTIG 40W



| Nozzles : choice of diameter |     |     |
|------------------------------|-----|-----|
| Welding current (A)          | 200 | 450 |
| Diameter (mm)                | 11  | 14  |

## ACCESORIES

| WEAR PART BOX<br>PROTIG 10 / 10W<br>W000306441 | WEAR PART BOX<br>PROTIG 20<br>W000306442 | WEAR PART BOX<br>PROTIG 30<br>W000306443 | WEAR PART BOX<br>PROTIG 35W / 40<br>W000306444 | WEAR PART BOX<br>PROTIG 40W<br>W000306445 |        |                   |
|--|--|--|--|---|--------|-------------------|
| Short back cap 8                               | Short back cap 10                        | Short back cap 10                        | Short back cap 40                              | Short back cap 40W                        |        |                   |
| Medium back cap 8                              | Long back cap 10                         | Long back cap 10                         | Long back cap 40                               | Long back cap 40W                         |        |                   |
| Long back cap 8                                | Collet body Protig 20                    | Collet body Protig 30                    | Collet body 40                                 | Collet body                               |        |                   |
| Collet body Protig 10                          | Collet Protig 20                         | Collet Protig 30                         | Back cap o-ring (x2)                           | Back Cap o-ring (x2)                      |        |                   |
| Collet Protig 10                               |  |  | 1.0 mm   | 1.0 mm                                    | 1.6 mm | Elastic ring      |
|  |  |  | 1.6 mm   | 1.6 mm                                    | 2.0 mm | Nozzle seals (x2) |
|  |  |  | 2.0 mm   | 2.0 mm                                    | 2.4 mm | Water distributor |
|  |  |  | 2.4 mm   | 2.4 mm                                    | 3.2 mm | Insulating nut    |
| Std nozzle                                     | 3.2 mm                                   | 3.2 mm                                   | 4.0 mm   | Collet Protig 40                          |        |                   |
|  | 6.4 mm                                   | 4.0 mm                                   | 4.8 mm   |   | 2.4 mm |                   |
|  | 8.0 mm                                   | 6.4 mm                                   | 6.4 mm   |   | 4.0 mm |                   |
|  | 9.6 mm                                   | 8.0 mm                                   | 8.0 mm   | 4.8 mm                                    |        |                   |
|  | 12.8 mm                                  | 9.6 mm                                   | 9.6 mm   | 8.0 mm                                    | Nozzle |                   |
|  | 12.8 mm                                  | 12.8 mm                                  | 9.6 mm   | 11.0 mm                                   |        |                   |
|  |  | 15.7 mm                                  | 12.8 mm  | 14.0 mm                                   |        |                   |
|  |  |  | 15.7 mm  |   |        |                   |



**Wear part box Protig**  
W000306441  
W000306442  
W000306443  
W000306444  
W000306445

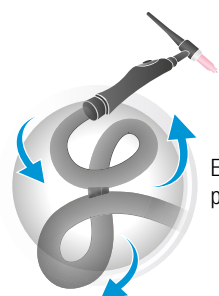
**Extension cable 15m AIR**  
W000306135

**Extension cable 15 m WATER**  
W000306136

**Adapters**  
W000306140  
W000306139  
W000306141  
038055011

# WTT2 TORCHES

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



Extra-flexible, high-performance cable.



Easy pivoting handle (for EB handles).



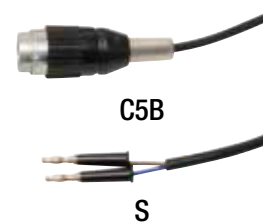
Standardised wear parts.



Handle – made with high temperature silicon rubber.

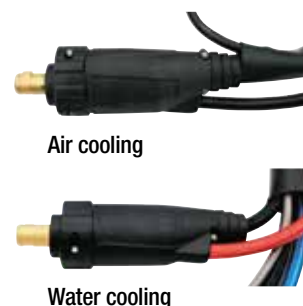
| MODEL               |           | AIR COOLING     |            |            |              |            |            |            |            |
|---------------------|-----------|-----------------|------------|------------|--------------|------------|------------|------------|------------|
|                     |           | WTT2 9          |            | WTT2 17    |              | WTT2 26    |            |            |            |
| Duty cycle at 40 °C | 60%       | 80 A            |            | 100 A      |              | 130 A      |            |            |            |
|                     | 35%       | 110 A           |            | 135 A      |              | 180 A      |            |            |            |
| Original equipment  | back cap  | Long            |            |            |              |            |            |            |            |
|                     | nozzle    | Ø 9.6 mm        |            | Ø 9.6 mm   |              | Ø 12.8 mm  |            |            |            |
|                     | electrode | Ø 1.6 mm        |            | Ø 2.0 mm   |              | Ø 2.4 mm   |            |            |            |
| Length              |           | 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



## Connector

Shaped cable output for improved robustness.



| MODEL               |           | WATER COOLING |            |            |            |            |            |     |  |
|---------------------|-----------|---------------|------------|------------|------------|------------|------------|-----|--|
|                     |           | WTT2 20 W     |            | WTT2 18 W  |            |            |            |     |  |
| Duty cycle at 40 °C | 100%      | 200 A         |            | 320 A      |            |            |            |     |  |
|                     | 60%       | 250 A         |            | 350 A      |            |            |            |     |  |
| Original equipment  | back cap  | Long          |            |            |            |            |            |     |  |
|                     | nozzle    | Ø 12.8 mm     |            | Ø 16 mm    |            |            |            |     |  |
|                     | electrode | 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 |            |            |     |  |

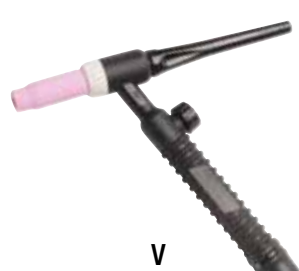
## Handle



RL



EB



V



EB-FLEX

# WTT2 TIG TORCHES WEAR PARTS

## Model WTT2 9/9V & 20 W

| Ø mm | Nozzle                    |
|------|---------------------------|
| 6,4  | W000306417                |
| 8,0  | W000306418                |
| 9,6  | W000306419 <sup>(2)</sup> |
| 11,2 | W000306420                |
| 12,8 | W000306421 <sup>(3)</sup> |
| 16,0 | W000306422                |

TIG TORCHES

Back cap short  
W000306398



Back cap medium  
W000306400



Back cap long  
W000306402<sup>(1)</sup>



| Ø mm | Collet                    |
|------|---------------------------|
| 1,0  | W000306406                |
| 1,6  | W000306407 <sup>(2)</sup> |
| 2,0  | W000306408                |
| 2,4  | W000306409 <sup>(3)</sup> |
| 3,2  | W000306410                |

Sealing ring  
W000306396<sup>(1)</sup>



| Ø mm | Collet body               |
|------|---------------------------|
| 1,0  | W000306376                |
| 1,6  | W000306377 <sup>(2)</sup> |
| 2,0  | W000306378                |
| 2,4  | W000306455 <sup>(3)</sup> |
| 3,2  | W000306379                |



| Ø mm | Long nozzle |
|------|-------------|
| 4,8  | W000306456  |
| 6,4  | W000306457  |
| 8,0  | W000306458  |
| 9,6  | W000306459  |



| Ø mm | Gas Lens collet body |
|------|----------------------|
| 1,0  | W000306385           |
| 1,6  | W000306386           |
| 2,0  | W000306460           |
| 2,4  | W000306387           |
| 3,2  | W000306388           |



| Ø mm | Gas Lens nozzle |
|------|-----------------|
| 6,4  | W000306429      |
| 9,6  | W000306431      |
| 11,2 | W000306432      |
| 12,8 | W000306433      |

### Gas Lens

The gas lens provides a laminar gas flow delivering concentrated shielding of the tungsten electrode and allowing an increased stickout, which improves access to restricted joint configurations.



<sup>(1)</sup> Standard on all our models

<sup>(2)</sup> Standard on WTT2 9 EB / 9 RL / 9V only

<sup>(3)</sup> Standard on WTT2 20W EB / 20W RL only

### WEAR PART BOX WTT2 9 / 9V / 20W

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 Protig 10     | 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 |



WEAR PART BOX  
WTT2 9 / 9V / 20W  
W000371535





# WTT2 TIG TORCHES WEAR PARTS

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



| Ø mm | Nozzle                    |
|------|---------------------------|
| 6,4  | W000306423                |
| 8,0  | W000306424                |
| 9,6  | W000306425 <sup>(2)</sup> |
| 11,2 | W000306426                |
| 12,8 | W000306427 <sup>(3)</sup> |
| 16,0 | W000306428 <sup>(4)</sup> |
| 19,2 | W000306461                |

| Ø mm | Collet                    |
|------|---------------------------|
| 1,0  | W000306411                |
| 1,6  | W000306412                |
| 2,0  | W000306413 <sup>(2)</sup> |
| 2,4  | W000306414 <sup>(3)</sup> |
| 3,2  | W000306415 <sup>(4)</sup> |
| 4,0  | W000306416                |

Back cap short  
W000306399

Back cap O-ring  
W000306405<sup>(1)</sup>

Back cap long  
W000306403<sup>(1)</sup>

Sealing ring  
W000306397<sup>(1)</sup>

Ø mm Collet body

|     |                           |
|-----|---------------------------|
| 1,0 | W000306380                |
| 1,6 | W000306381                |
| 2,0 | W000270781 <sup>(2)</sup> |
| 2,4 | W000306382 <sup>(3)</sup> |
| 3,2 | W000306383 <sup>(4)</sup> |
| 4,0 | W000306384                |

Ø mm Long nozzle

|      |            |
|------|------------|
| 6,4  | W000306462 |
| 8,0  | W000306463 |
| 9,6  | W000306464 |
| 11,2 | W000306465 |

Gas Lense sealing ring  
W000306466

Ø mm Gas Lense collet body

|     |            |
|-----|------------|
| 1,0 | W000306389 |
| 1,6 | W000306390 |
| 2,4 | W000306391 |
| 3,2 | W000306392 |
| 4,0 | W000306393 |

Ø mm Gas Lense nozzle

|      |            |
|------|------------|
| 6,4  | W000306434 |
| 8,0  | W000306435 |
| 9,6  | W000306436 |
| 11,2 | W000306437 |
| 12,8 | W000306438 |
| 16,0 | W000306439 |

Ø mm Long Gas Lense nozzle

|      |            |
|------|------------|
| 8,0  | W000306467 |
| 9,6  | W000306468 |
| 11,2 | W000306469 |
| 12,8 | W000306470 |

### Gas Lens

The gas lense provides a laminar gas flow delivering concentrated shielding of the tungsten electrode and allowing an increased stickout, which improves access to restricted joint configurations.



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

### WEAR PART BOX WTT2 17 / 26 / 18W

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 |



WEAR PART BOX  
WTT2 17 / 26 / 18W  
W000371536

# TUNGSTEN ELECTRODES

A complete range of tungsten electrodes.

Product advantages:

- Very high life cycle
  - Perfect arc ignition
  - Very stable arc
  - Tip longevity
- Pure tungsten
  - Tungsten + cerium
  - Tungsten + lanthanum
  - Tungsten + rare earths



TIG TORCHES

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

| Type                                  | Metal     |                         | Arc stability | Striking | Lasting | Thermal resistance |
|---------------------------------------|-----------|-------------------------|---------------|----------|---------|--------------------|
|                                       | Aluminium | Steel & Stainless steel |               |          |         |                    |
| WP – pure tungsten                    | *         |                         | **            | *        | *       | *                  |
| WC 20 – Cerium 2%                     |           | *                       | **            | *        | **      | **                 |
| WL 15 – Lanthanum 1.5%                | **        | ***                     | **            | ***      | ***     | ***                |
| WL 20 – Lanthanum 2%                  | *         | ***                     | **            | ***      | ***     | ***                |
| WS 20 – Rare earths <sup>(1)</sup> 2% | *         | *                       | **            | ***      | ***     | ***                |

\*\*\* Excellent    \*\* Good    \* Average

<sup>(1)</sup> 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.

| Ø (mm) | Length (mm) | Reference  |
|--------|-------------|------------|
| 1.6    | 175         | W000335167 |
| 2.4    | 175         | W000335169 |
| 3.2    | 175         | W000335171 |

| Ø (mm) | Length (mm) | Reference  |
|--------|-------------|------------|
| 1.6    | 150         | W000402663 |
| 2.0    | 150         | W000402664 |
| 2.4    | 150         | W000402665 |
| 3.2    | 150         | W000402667 |

| Ø (mm) | Length (mm) | Reference  |
|--------|-------------|------------|
| 1.6    | 150         | W000010010 |
| 1.6    | 175         | W000010375 |
| 2.0    | 150         | W000010011 |
| 2.4    | 150         | W000010012 |
| 2.4    | 175         | W000010377 |
| 3.2    | 150         | W000010014 |
| 3.2    | 175         | W000010378 |
| 4.0    | 150         | W000010015 |

| Ø (mm) | Length (mm) | Reference  |
|--------|-------------|------------|
| 1.0    | 150         | W000010373 |
| 1.6    | 150         | W000010016 |
| 1.6    | 175         | W000010385 |
| 2.0    | 150         | W000010017 |
| 2.0    | 175         | W000010386 |
| 2.4    | 150         | W000010018 |
| 2.4    | 175         | W000010387 |
| 3.2    | 150         | W000010020 |
| 3.2    | 175         | W000010388 |
| 4.0    | 150         | W000010021 |

| Ø (mm) | Length (mm) | Reference  |
|--------|-------------|------------|
| 1.6    | 150         | W000010023 |
| 1.6    | 175         | W000335153 |
| 2.0    | 150         | W000010024 |
| 2.4    | 150         | W000010025 |
| 2.4    | 175         | W000335154 |
| 3.2    | 150         | W000335150 |
| 3.2    | 175         | W000335157 |
| 4.0    | 150         | W000010028 |

## Recommended welding intensities

| Electrode diameter | Direct current               | Alternating current |                              |
|--------------------|------------------------------|---------------------|------------------------------|
|                    | Tungsten with oxide addition | Pure tungsten       | Tungsten with oxide addition |
| 1.0 mm             | 10 A to 70 A                 | 15 A to 55 A        | 15 A to 70 A                 |
| 1.6 mm             | 20 A to 100 A                | 45 A to 90 A        | 60 A to 125 A                |
| 2.0 mm             | 50 A to 140 A                | 65 A to 125 A       | 85 A to 160 A                |
| 2.4 mm             | 70 A to 170 A                | 80 A to 140 A       | 120 A to 210 A               |

| Electrode diameter | Direct current               | Alternating current |                              |
|--------------------|------------------------------|---------------------|------------------------------|
|                    | Tungsten with oxide addition | Pure tungsten       | Tungsten with oxide addition |
| 3.0 mm             | 100 A to 210 A               | 140 A to 180 A      | 140 A to 230 A               |
| 3.2 mm             | 130 A to 250 A               | 150 A to 190 A      | 150 A to 250 A               |
| 4.0 mm             | 150 A to 350 A               | 180 A to 260 A      | 240 A to 350 A               |

See the batch number on the tungsten electrode packaging and consult your conformity certificate on our websites



**PLASMA TORCHES**

|                |            | AIR COOLING     |                 |                  |                 |                 |                  |
|----------------|------------|-----------------|-----------------|------------------|-----------------|-----------------|------------------|
|                |            | LC 30 (Hand)    | LC 45 (Hand)    | LC 65 (Hand)     | LC 105 (Hand)   | LC 65 (Machine) | LC 105 (Machine) |
| Flow rate      |            | 125l/min@5,0bar | 125l/min@5,0bar | 130 l/min@5,0bar | 280l/min@5,5bar | 130l/min@5,0bar | 280l/min@5,5bar  |
| Duty Cycle     |            | 30A@60%         | 45A@45%         | 60A@60%          | 100A@60%        | 60A@60%         | 100A@60%         |
| Thickness (mm) | mild steel | 12              | 16              | 25               | 40              | 25              | 40               |
|                | severance  | 20              | 25              | 30               | 45              | 30              | 45               |

|       | LC 30      | LC 45      | LC 65            | LC 105           | LC 65            | LC 105           |
|-------|------------|------------|------------------|------------------|------------------|------------------|
|       | Hand       |            |                  |                  | Machine          |                  |
| 4 m   | W100000325 | -          | -                | -                | -                | -                |
| 6 m   | -          | W100000327 | -                | -                | -                | -                |
| 7,5 m | -          | -          | PTH-061A-CX-7M5A | PTH-101A-CX-7M5A | PTM-061A-CX-7M5A | PTM-101A-CX-7M5A |
| 15 m  | -          | -          | PTH-061A-CX-15MA | PTH-101A-CX-15MA | PTM-061A-CX-15MA | PTM-101A-CX-15MA |

**LC 30 (hand)**

12/20 mm



Plasma box LC30  
W100000361

**Electrode**  
W03X0893-75A

**Gas distributor**  
W03X0893-5R

**Tip**  
W100000326  
(30A)

**Shield cap body**  
W03X0893-77A  
(Internal compressor)

**Spacer**  
W03X0893-78R

**Shield cap body**  
W100000354  
(External air Only)

**LC 45 (hand)**

12/20 mm



**Electrode**  
W100000328  
(shielded, gouging)

**Electrode**  
W100000341  
(extended)

**Electrode**  
W100000344  
(easy to reach)

**Gas distributor**  
W100000333

**Tip**  
W100000329  
(shielded)

**Tip**  
W100000342  
(extended)

**Tip**  
W100000331  
(gouging)

**Retaining Cap**  
W100000345  
(easy to reach) + **Ring**  
W100000346  
(easy to reach)

**Retaining Cap**  
W100000340  
(shielded, extended, gouging)

**Shield cap**  
W100000330

**Shield cap**  
W100000343

**Shield cap**  
W100000332

**Tip**  
W100000347  
(easy to reach, gouging) + **Shield cap**  
W100000348  
(easy to reach, gouging)

**Tip**  
W100000337  
(shielded, easy to reach) + **Shield cap**  
W100000336  
(easy to reach)

SHIELDED  
EXTENDED  
GOUGING  
EASY TO REACH



Level cut  
W100000335



Easy To Reach Cartridge  
W100000334



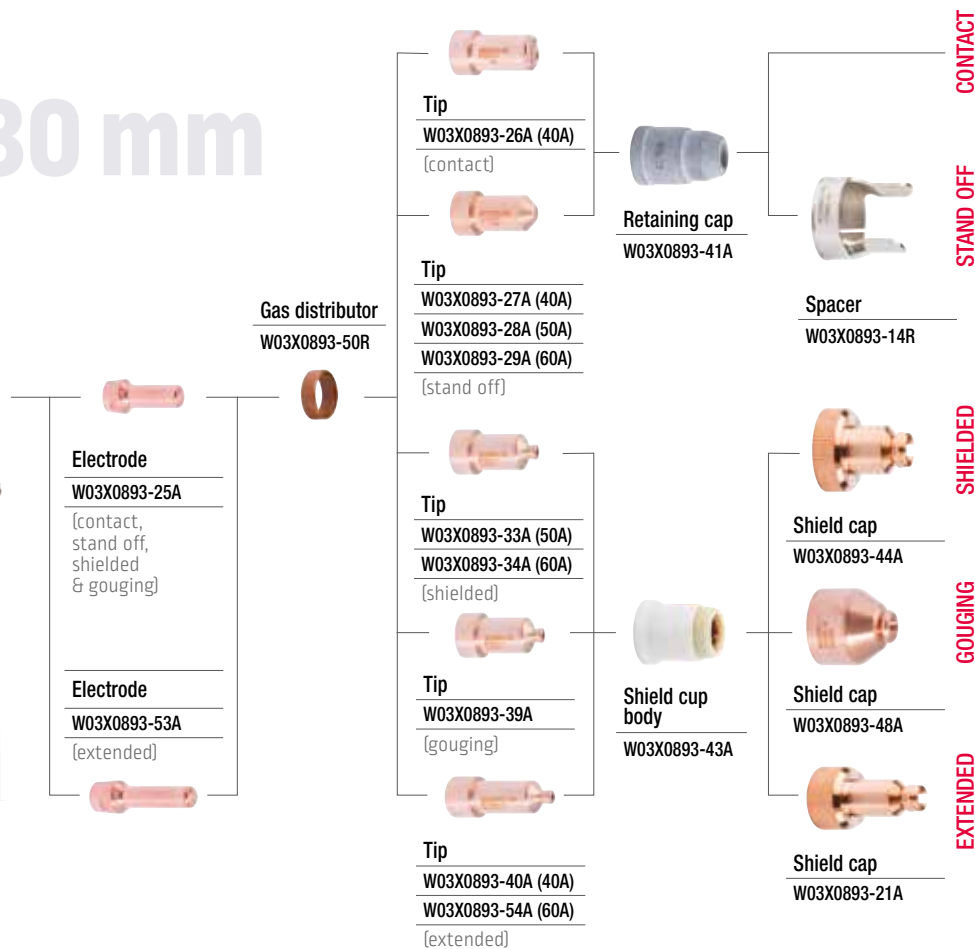
Plasma box LC45  
W100000362

# 25/30 mm

## LC 65 (Hand)



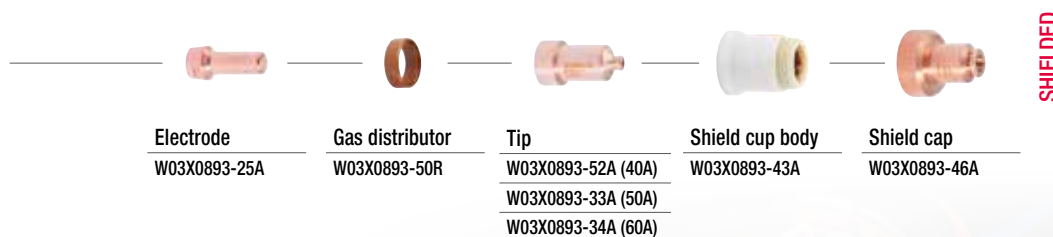
Plasma box LC65  
W03X0893-113A



## LC 65 (Machine)



# 25/30 mm



# 40/50\* mm

## LC 105 (Hand)

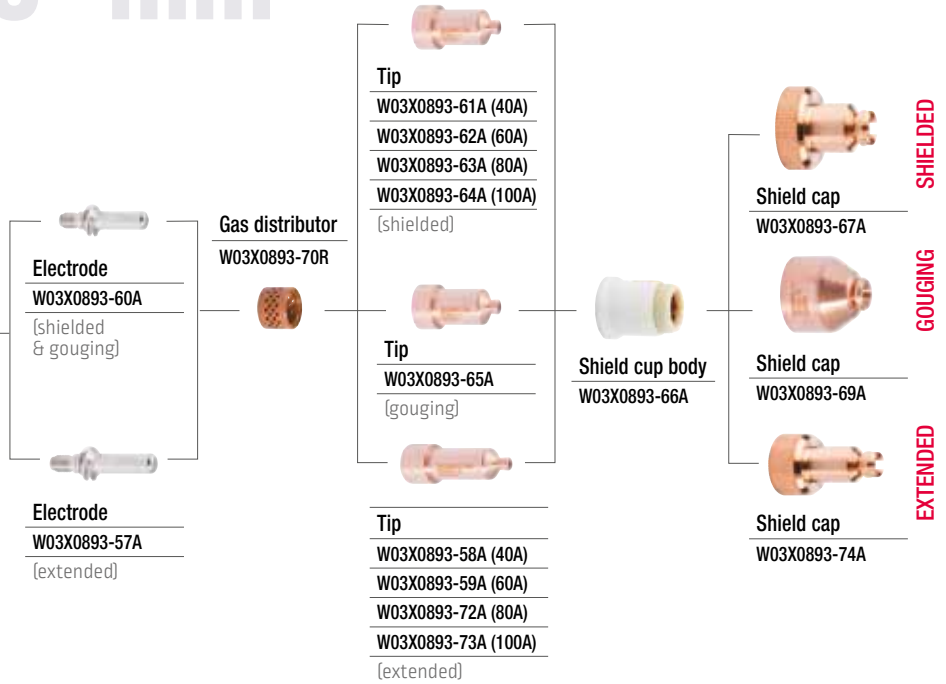


\*With 100A premium wear parts



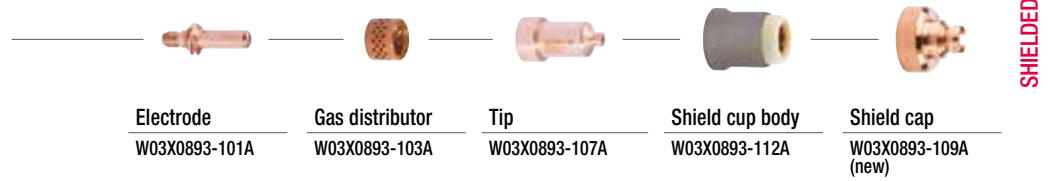
Plasma box LC105  
W03X0893-115A

PLASMA TORCHES



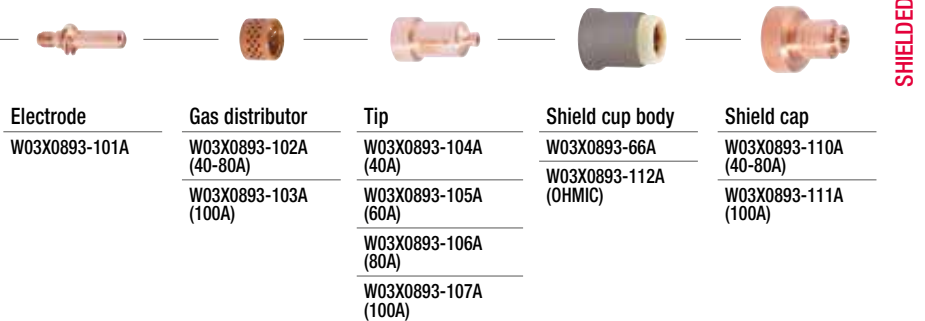
### PREMIUM: 100A

- Increased cutting velocity
- Extended life
- Improved cutting quality



## LC 105 (Machine)

# 40/45 mm



## AIR FILTER LAF1250

Sub-micron filter for compressed air. Designed to remove moisture, oils and sprays particles from air compressors, thus providing clean, free of oil and dry air.

- Better quality of the cut
- Longer life time of consumables
- Increases time life of the torch itself
- Compatible with any plasma cutting machine and torch
- Filter cartridge easily replaceable
- Useful also for different applications machines (spray painting, pneumatic tools, ...)



### Reference

|                    |           |
|--------------------|-----------|
| Air filter LAF1250 | W88X1456A |
| Filter cartridge   | W8800117R |

## BEVEL TOOL



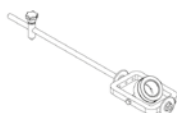
## CUTTING ATTACHMENT



**Bevel tool**  
W03X0893-119A



**Cutting circles**  
(max diam. 820 mm)  
W0300699A



**Circle kit to suit LC45**  
W100000338



**Bevel tool to suit LC45**  
W100000339







**WELDLINE**®

by Lincoln Electric





# WELDLINE®

by Lincoln Electric

## **MORE COMFORT AND SAFETY FOR WELDERS**

Weldline® by Lincoln Electric is the transversal brand for the Welder's Environment.

By a complete offer of individual protective equipment as well as tools and accessories dedicated to welding applications, our objective is to create more comfort and safety for the welder.

The portfolio is a careful selection of quality products including:

- Welding torches and expendables
- Personal protection equipment
- Other accessories for welding applications



Download your **safety data sheets** and **conformity certificates** on our websites





# WELDING HELMETS

# OVERVIEW



| Specifications                    | FGS™ Series  | 3350 Series                                 | 2450 Series                                 | Eurowave 3.0 LS Black / Streetart                 | Eurospeed LS Black / Weld play                              | Chameleon 3VO Streetart / Welding Legend / Squad                          | Euroone                                     |
|-----------------------------------|--|---|---|---|---|---|---|
| Variable Shade Range/Control      | 5-13 Internal  | 5-13 Internal                               | 5-13 Internal                               | 8-13 Internal                                     | 9-13 Internal   | 8-13 Internal   | 9-13 External                               |
| Optical Clarity Rating            | 1/1/1/1  | 1/1/1/1                                     | 1/1/1/1                                     | 1/1/1/1   | 1/1/1/2   | 1/1/1/2   | 1/1/1/2                                     |
| Auto-Darkening Viewing Area       | 108 x 75 mm  | 95 x 85 mm                                  | 97 x 62 mm                                  | 97 x 60mm   | 98 x 44 mm  | 97 x 40 mm  | 98 x 44 mm                                  |
| Grind Mode Shade / Control        | DIN4 / Internal  | DIN4 / External                             | DIN4 / External                             | DIN3 / External                                   | DIN3,5 / Internal   | DIN3/No   | DIN3,5/External                             |
| Delay Control Dark to Light (sec) | 0,0-1,0 Digital Adjustment   | 0,1-1,0 s fully adjustable                  | 0,1-1,0 s fully adjustable                  | 0,1-1,0 s fully adjustable                        | 0,1-1,0 by infinitely dial knob                             | 0,1-1,0 by infinitely dial knob   | 0,1-1,0 by infinitely dial knob             |
| Number of Arc Sensors             | 4  | 4   | 4   | 4   | 2   | 2   | 2   |
| Weight (g)                        | 793  | 606   | 595   | 560   | 475   | 445   | 490   |
| Lens Switching Speed (sec)        | 1/25,000   | 1/25,000                                    | 1/25,000                                    | 1/25,000  | 1/25,000  | 1/12,000  | 1/16,000                                    |
| Optic Technology                  | 4C Technology  | 4C Technology                               | 4C Technology                               | Light Shade Technology                            | Light Shade Technology                                      | Standard  | Standard                                    |
| Magnifying "Cheater" Capable Lens | Yes  | Yes   | Yes   | Yes   | No  | Yes   | No  |
| TIG Amp Rating                    | ≥2 A /DC ≥2 A /AC  | ≥2 A /DC ≥2 A /AC                           | ≥2 A /DC ≥2 A /AC                           | ≥2 A /DC ≥2 A /AC                                 | ≥5 A /DC ≥5 A /AC   | ≥5 A /DC ≥5 A /AC   | ≥10 A /DC ≥ 10 A /AC                        |
| Light Sensitivity Control         | Digital Display Control  | Continuous                                  | Continuous                                  | Continuous  | by infinitely dial knob                                     | by infinitely dial knob   | by infinitely dial knob                     |
| Bonus accessories                 | Side Windows + Planch of stickers + Bag + Bandana                      | Planch of stickers + Bag + Bandana          | Planch of stickers + Bag + Bandana          | -   | Planch of stickers  | -   | -   |
| Cartridge Size (mm)               | 122 x 154,5  | 114 x 133 mm                                | 114 x 133 mm                                | 114 x 133 mm                                      | 110 x 90 mm   | 110 x 90 mm   | 110 x 90 mm                                 |
| Auto-Darkening Viewing Area (mm²) | 8100   | 8075  | 6014  | 5820  | 4312  | 3880  | 4312  |
| Headgear Type                     | UPGRADED FOUR AXIS PIVOT   | X6 AXIS PIVOT                               | X6 AXIS PIVOT                               | FOUR AXIS PIVOT                                   | FLEXSPEED LS + cushion                                      | FLEX3VO   | FLEXONE                                     |
| Battery Type                      | Solar cell + 2 CR2450 Replaceable Batteries                            | Solar cell + 2 CR2450 Replaceable Batteries | Solar cell + 2 CR2450 Replaceable Batteries | Solar cell + 2×CR2450 replaceable lithium battery | Solar cell + Battery replaceable (2xAAA Alkaline batteries) | Solar cell + 2 alkaline battery   | Solar cells, no battery change required     |
| Graphic options                   | 1  | 4   | 2   | 2   | 3   | 3   | 1   |
| Value Proposition                 | Best In Class Specifications With Added Productivity & Safety Features | Best in Class Specifications & Features     | Enhanced Versatility                        | Light state DIN3                                  | Good value  | Efficient value solution with Optical class improved and variant graphics | Efficient value solution with grinding mode |

| Specifications                    | Europure Plus 5500 LS  | Zephyr LS/Flipair 4500 LS  |
|-----------------------------------|--|--|
| Variable Shade Range/Control      | 5-13 Internal  | 5-13 Internal  |
| Graphic options                   | 1  | 2  |
| Optical Clarity Rating            | 1/1/1/1  | 1/1/1/2  |
| Auto-Darkening Viewing Area       | 107 x 75 mm  | 97 x 60 mm   |
| Grind Mode Shade / Control        | DIN4/External  | DIN3/External  |
| Delay Control Dark to Light (sec) | 0,1-1,0 s fully adjustable   | 0,1-1,0 s fully adjustable   |
| Number of Arc Sensors             | 4 independent optical sensors  | 4 independent optical sensors - Magnetic in X mode   |
| Weight (g)                        | 793 + 1867   | 938 + 1760   |
| Lens Switching Speed (sec)        | 1/25,000   | 1/25,000   |
| Optic Technology                  | Light Shade Technology   | Light Shade Technology   |
| Magnifying "Cheater" Capable Lens | Yes  | Yes  |
| TIG Amp Rating                    | ≥2 A /DC ≥2 A /AC  | ≥2 A /DC ≥2 A /AC  |
| Light Sensitivity Control         | Continuous   | Continuous   |
| Bonus accessories                 | Side Windows + Planch of stickers + Duffle Bag + Bandana+Shoulder Straps                                     | Duffle Bag +Shoulder Straps  |
| Cartridge Size (mm)               | 156 x 123 mm   | 110 x 90 mm  |
| Auto-Darkening Viewing Area (mm²) | 8025   | 5820   |
| Headgear Type                     | Advanced Headgear  | FLEXTech I   |
| Battery Type                      | Solar cells + 2 exchangeable lithium batteries<br>Battery type: Rechargeable Li-ion Battery (More effective) | Solar cells + 2 exchangeable lithium batteries<br>Battery type: Rechargeable Li-ion Battery (More effective) |
| Low Battery Indicator             | Visible, Audible and Vibrate alarms to ensure safety   | Visible, Audible and Vibrate alarms to ensure safety   |
| Stand by time of battery (h)      | 9  | 8  |
| Time of charge of battery (h)     | 1  | 4  |
| Air flow rate (l/min)             | Low speed: 170l/min, High speed: 210l/min  | Low speed:160l/min, High speed:200l/min  |
| Battery Type                      | Solar cell + 2 CR2450 Replaceable Batteries  | Solar cell + 2 CR2450 Replaceable Batteries  |
| Value Proposition                 | The ultimate welder protection - TH3 Class   | Complete solution designed to protect welders in the most effective way - TH2 Class                          |

## VIKING™ 3250D FGS™ **NEW**

The single helmet solution.

- Perfect 1/1/1/1 optical clarity rating (EN379).
- DIN 4/5-13.
- Integrated clear grind shield with anti-fog coating.
- Shade five side windows notably increase peripheral vision.
- Extra large auto darkening display (108 x 75 mm) offers a wide screen view
- Enhanced Outdoor Performance
- Magnifying "cheater" lens capability.
- New, pivot-style headgear.

**Reference**

|                           |            |
|---------------------------|------------|
| Viking™ Helmet 3250D FGS™ | K3540-3-CE |
|---------------------------|------------|



**VIKING™**  
WELDING HELMETS



**Processes**

Stick, TIG, Pulsed TIG, MIG, Pulsed MIG, Flux-Cored, Gouging, Grinding

## VIKING™ 3350 SERIES 4 **NEW**

The new & improved VIKING™ 3350, our top-of-the line helmet series, is the ultimate blend of optics comfort & versatility.

- Perfect 1/1/1/1 optical clarity rating (EN379).
- Continuously variable 5-13 shade with internal control.
- Continuously variable sensitivity and delay.
- Grind mode - external button.
- 95 x 85 mm view size: the largest in the VIKING line.
- Large (133 x 114 mm) cartridge size.
- Four arc sensors.
- Enhanced Outdoor Performance
- Magnifying "cheater" lens capability.
- New, pivot-style headgear.

**Reference**

|                         |            |
|-------------------------|------------|
| Viking™ 3350 Daredevil  | K3683-4-CE |
| Viking™ 3350 Motorhead™ | K3100-4-CE |
| Viking™ 3350 BlackMat   | K3034-4-CE |
| Viking™ 3350 Mojo™      | K3101-4-CE |



**VIKING™**  
WELDING HELMETS



**Processes**

Stick, TIG, Pulsed TIG, MIG, Pulsed MIG, Flux-Cored, Gouging, Grinding

## VIKING™ 2450 SERIES

**NEW**

The new & improved VIKING™ 2450, our lightweight premium helmet series, offers an excellent blend of optics, comfort & versatility.

- Perfect 1/1/1/1 optical clarity rating (EN379).
- Continuously variable 5-13 shade with internal control.
- Continuously variable sensitivity and delay.
- Grind mode - external button.
- 97 x 62 mm view size.
- Large (133 x 114 mm) cartridge size.
- Four arc sensors.
- Enhanced Outdoor Performance
- Magnifying "cheater" lens capability.
- New, pivot-style headgear.



**Reference**

|                      |            |
|----------------------|------------|
| Viking™ 2450 Black   | K3028-4-CE |
| Viking™ Heavy Metal® | K3029-4-CE |

**Processes**

Stick, TIG, Pulsed TIG,  
MIG, Pulsed MIG,  
Flux-Cored, Gouging,  
Grinding

**VIKING™**  
WELDING HELMETS



## EUROWAVE 3.0 LS

**NEW**

Light-weight autodarkening helmet with optimised head protection and an exclusive design.

- The viewing area of 97 x 60mm.
- Lens switching speed: 1/25,000 s.
- Lightweight and comfortable.
- Four arc sensors.
- DIN 3/8-13.
- Grind mode - external button.
- Large (133 x 114 mm) cartridge size.
- Magnifying "cheater" lens capability.



**Reference**

|                           |         |
|---------------------------|---------|
| Eurowave 3.0 LS Black     | W403900 |
| Eurowave 3.0 LS Streetart | W403901 |



**Processes**

Stick, TIG, Pulsed TIG,  
MIG, Pulsed MIG,  
Flux-Cored, Gouging,  
Plasma Cutting,  
Grinding





## EUROSPEED LS

All the comfort and security of an autodarkening helmet, delivered with different stickers for personalisation. PREMIUM OPTICS with Exclusive LS technology which creates a crystal clear, true colour view of the arc and puddle.

- The viewing area of 98 x 44 mm.
- Lens switching speed: 1/25,000 s.
- Two arc sensors.
- DIN 3.5/9-13.
- Delivered with one inside and two outside protection plates plus a sweat band and comfort cushion on the headgear.
- Magnifying "cheater" lens capability.

### Processes

Stick, TIG, Pulsed TIG, MIG, Pulsed MIG, Flux-Cored, Gouging, Plasma Cutting, Grinding

WARRANTY  
**18**  
MONTH



### Reference

|                        |              |
|------------------------|--------------|
| Eurospeed LS           | W000403824   |
| Eurospeed LS Weld Play | W000403824-6 |



## CHAMELEON 3VO

Auto Darkening Welding Helmet, Comfortable and light with Auto-Start ADF Filter, Black, Blue and Red. Anti-fog coating - helps maintain a consistently clear view.

- The viewing area of 97 x 40 mm.
- Lens switching speed: 1/12,000 s.
- Two arc sensors.
- DIN 3/8-13.
- Delivered with one inside and two outside protection plates plus antifog treated screen, one anti-transpiration headband and one comfort cushion.
- Magnifying "cheater" lens capability.

### Processes

Stick, MIG

WARRANTY  
**1**  
YEAR



### Reference

|                              |            |
|------------------------------|------------|
| Chameleon 3VO Squad          | W403547    |
| Chameleon 3VO Streetart      | W000403546 |
| Chameleon 3VO Welding Legend | W403548    |



## EUROONE

Auto Darkening Welding Helmet Comfortable and light with external grinding mode, Black and Red.

- The viewing area of 98 x 44 mm.
- Lens switching speed: 1/16,000 s.
- Two arc sensors.
- DIN 3,5/9-13.
- Grind mode - external button.
- Delivered with two outside and two inside protection plates plus a sweat band.

### Reference

|                            |              |
|----------------------------|--------------|
| Euroone                    | W000403823   |
| Euroone No rules No Limits | W000403823-1 |



**NEW**



### Processes

Stick, MIG,  
Plasma Cutting,  
Grinding

### WARRANTY

**1**  
YEAR



## ACCESORIES

### DUFFLE BAG

- Generous Dimensions - WELDLINE BY LINCOLN ELECTRIC Duffle bag holds your Welding Gear and/or after-work street cloths Black/Red (68 x 34 x 31 cm).

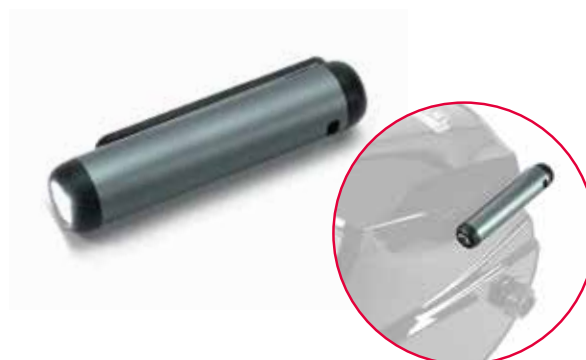
### Reference

|            |                 |
|------------|-----------------|
| Order code | 2019-STUDENTSET |
|------------|-----------------|



## LED LIGHT

Welding helmet lights for darker workstations. Darker workstations cause inefficiency. The added ambient light is intended to illuminate the area around the weld zone, so that old tired eyes, and young defective eyes can better see the markers of direction of travel and speed needed to get a good weld, no matter what shade you are using. It is adding to the reflected light surrounding the weld area, but only in a minute amount to the light coming from the arc, and the molten metal of the puddle.



### Reference

|           |          |
|-----------|----------|
| LED LIGHT | WP202201 |
|-----------|----------|





## EUROPUREPLUS™ 5500 LS

### POWERED AIR PURIFYING RESPIRATOR-TH3 Class.

- Extra large viewing area of 107 x 75 mm.
- Lens switching speed: 1/25,000 s.
- Four arc sensors.
- DIN 4/5-13.
- Magnifying cheater lens capability
- Integrated clear grind shield with anti-fog coating.
- Shade five side windows notably increase peripheral vision.
- Helmet with powered and filtered air flow.  
AIR FLOW RATE (l/min) : Low speed:170l/min ;High speed:210l/min



**Reference**

|                       |         |
|-----------------------|---------|
| EUROPUREPLUS™ 5500 LS | W403676 |
|-----------------------|---------|

**Processes**

Stick, TIG, Pulsed TIG, MIG, Pulsed MIG, Flux-Cored, Gouging, Plasma Cutting, Grinding



Blower



## ZEPHYR LS / FLIPAIR LS

### Bring the fume protection and filtered air directly to the operator working in difficult conditions.

- Large viewing area of 5 820 mm².
- Lens switching speed: 0.04 ms.
- Four arc sensors.
- DIN 3/5-13.
- INFOTRACK & X-mode.
- Helmet with powered and filtered airflow.
- ZEPHYR LS: Grinding mode with external button.
- FLIPAIR LS: FLIP UP version.
- Flip-up LCD filter for grinding (Flipair LS).
- The ultimate welder protection.
- Delivered in a rugged carry bag with accessories.



**Reference**

|                     |            |
|---------------------|------------|
| Zephyr LS Helmet    | W000403674 |
| Zephyr LS LCD cell  | W000402681 |
| Flipair LS Helmet   | W000403675 |
| Flipair LS LCD cell | W000402682 |

**Processes**

Stick, TIG, Pulsed TIG, MIG, Pulsed MIG, Flux-Cored, Gouging, Plasma Cutting, Grinding





# OPTIONAL ACCESSORIES EUROPURE PLUS 5500 LS

## PAPR - ADJUSTABLE LEATHER BELT ASSEMBLY

Adjustable leather belt assembly secures EUROPURE PLUS 5500 LS air purifying blower to operators waist.

- Cushioned backpad for enhanced comfort
- Leather belt offers excellent durability against heat, spatter, sparks and more
- Slide adjustable fit allows operator to adjust tightness



**Reference**

PAPR - Adjustable Leather Belt Assembly WP403676-29

## BACKPACK

Replaces belt and shoulder straps to improving weight distribution and comfort.



**Reference**

Backpack WP403676-31

## FILTER TYPE: A1B1E1K1

**Features:**

- Captures organic, inorganic and acidic gases and vapours

**Protection:**

- Against organic gases / Inorganic gases / Sulfur dioxide, acidic gases / Ammonia and organic ammonia derivatives

**Application operation:**

- Assembly, facility maintenance, grinding, machine operation, welding, painting

**Application industry:**

- Chemicals, mining, oil, natural gas

**Can be combined with P3 FILTER for a protection against particulates.**



**Reference**

Filter type: A1B1E1K1y WP403676-30

## ODOR FILTER



**Reference**

Odor filter WP403676-36



\*Official launching Q3 2023

## FAST-CHARGING EXTENDED BATTERY

- Battery type : Rechargeable Li-ion Battery
- Battery duration : 15 hours (Low speed : 170+ lpm)  
9 hours (High speed : 210+ lpm)
- Battery charge time : 2 hours
- Battery life : 550 charges



**Reference**

Fast-charging Extended battery WP403676-2



**WELDING GEAR**



## MIG UNIVERSAL COMFORT

- The UNIVERSAL COMFORT gloves are designed to protect the hand during normal welding applications in MMA/MIG/MAG/TIG processes and have a grain leather palm for extra sensitivity.



★★★★☆  
Heat resistance



★★★★★  
Dexterity



★★★★★  
Abrasion resistance



★★★★★  
Molten metal splashes



### Recommended use

Stick, MIG

### Personal Protective Equipment regulation (UE)2016/425

EN 420:2003+(A1:2009) - 3  
EN 407:2004 - 4 1 3 2 4 x  
EN 388:2016 - 2 1 3 2 x  
EN 12477:2001+(A1:2005) - TYPE A

### Reference

|         |                 |
|---------|-----------------|
| Size 9  | WG-MIG-1-CE-T9  |
| Size 10 | WG-MIG-1-CE     |
| Size 11 | WG-MIG-1-CE-T11 |
| Size 12 | WG-MIG-1-CE-T12 |

## MIG UNIVERSAL COMFORT +

- The UNIVERSAL COMFORT + gloves are designed to protect the hand during normal welding applications in MMA/MIG/MAG processes.



★★★★☆  
Heat resistance



★★★★★  
Dexterity



★★★★★  
Abrasion resistance



★★★★★  
Molten metal splashes



### Recommended use

Stick, MIG

### Personal Protective Equipment regulation (UE)2016/425

EN 420: 2003+(A1:2009) - 3  
EN 407:2004 - 4 1 3 2 4 x  
EN 388:2016 - 4 2 3 4 x  
EN 12477:2001+(A1:2005) - TYPE A

### Reference

|         |                 |
|---------|-----------------|
| Size 7  | WG-MIG-2-CE-T7  |
| Size 8  | WG-MIG-2-CE-T8  |
| Size 9  | WG-MIG-2-CE-T9  |
| Size 10 | WG-MIG-2-CE     |
| Size 11 | WG-MIG-2-CE-T11 |

## MIG IRON PROTECT

- The MIG IRON PROTECT gloves are designed to deliver a high level of protection during normal welding applications in MMA/MIG/MAG processes.



★★★★★  
Heat resistance



★★★★☆  
Dexterity



★★★★☆  
Abrasion resistance



★★★★★  
Molten metal splashes



### Recommended use

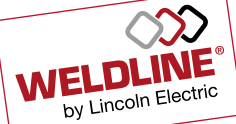
Stick, MIG

### Personal Protective Equipment regulation (UE)2016/425

EN 420: 2003+(A1:2009) - 3  
EN 388:2016 - 4 2 3 4 x  
EN 407:2004 - 4 1 3 2 4 x  
EN 12477:2001+(A1:2005) - TYPE A

### Reference

|         |                 |
|---------|-----------------|
| Size 10 | WG-MIG-3-CE     |
| Size 11 | WG-MIG-3-CE-T11 |



## MIG IRON PROTECT +

- The MIG IRON PROTECT+ gloves are designed to deliver a high level of protection during normal welding applications in MMA/MIG/MAG processes.
- The natural grain leather palm provides extra sensitivity.



★★★★★  
Heat resistance



★★★★☆  
Dexterity



★★★★☆  
Abrasion resistance



★★★★★  
Molten metal splashes



### Recommended use

Stick, MIG

### Personal Protective Equipment regulation (UE)2016/425

EN 420:2003+(A1:2009) - 3  
EN 388:2016 - 2 1 2 2 x  
EN 407:2004 - 4 1 3 2 4 x  
EN 12477:2001+(A1:2005) - TYPE A

### Reference

|         |                 |
|---------|-----------------|
| Size 10 | WG-MIG-4-CE     |
| Size 11 | WG-MIG-4-CE-T11 |

## MIG IRON ALU

- The MIG IRON ALU gloves are designed for a high level of protection of hands during heavy welding applications.
  - **COMFORT:** the Split leather (1.1-1.3 B" thickness 1.1 / 1.3 mm color Red, black) and the cotton fleece lining which increases the glove's thermal insulation
  - **RESISTANCE:** the aluminized textile back offers strong resistance to heat, radiation and small splashes of molten metal. Aluminized Fabric: 100% para-aramid, 480 g / m<sup>2</sup>, BASF THERMAL ENGINEERING.
  - **SAFETY:** the split leather cuff helps to protect a large part of the forearm against mechanical hazards.



★★★★★  
Heat resistance



★★★★☆  
Dexterity



★★★★★  
Abrasion resistance



★★★★★  
Molten metal splashes



### Recommended use

MIG-MAG / MMA

### Personal Protective Equipment regulation (UE)2016/425

EN 21420:2020  
EN 388:2019  
EN 407:2004  
EN 12477:2001+A1:2005

### Reference

|         |        |
|---------|--------|
| Size 10 | W10420 |
|---------|--------|

## THERMAL SCREEN

Thermal protection added to a glove.

- Dimensions 200 x 150 mm.
- Fitted with two elastic straps at palm and cuff level.
- Split leather lined with Kevlar. Heat and flame resistant.
- One aluminised side reflects 95% of radiant heat.
- Double Kevlar thread seams.
- The set consists of two pieces.



EN 532

### Reference

|         |
|---------|
| W335162 |
|---------|



## TIG FLEX SENSITIVE

- The TIG FLEX SENSITIVE gloves are designed to give a high level of dexterity and flexibility for normal welding applications in TIG/Flame processes.
- The favourite gloves of TIG welders.
- Made of goat leather.



### Recommended use

TIG

### Personal Protective Equipment regulation (UE)2016/425

EN 420: 2003+(A1:2009) - 3  
EN388 :2016 - 2 1 3 2 x  
EN407 :2004 - 4 1 3 2 4 x  
EN 12477:2001+(A1:2005) - TYPE A

### Reference

|         |              |
|---------|--------------|
| Size 8  | WG-TIG-8-CE  |
| Size 9  | WG-TIG-9-CE  |
| Size 10 | WG-TIG-10-CE |
| Size 11 | WG-TIG-11-CE |

## WORKER GLOVES FULL LEATHER STEEL

- Top grain cowhide leather delivers excellent fit and dexterity whilst the goat skin back allows the glove to breathe.
- The palm is padded for comfort with the hook and loop soft rubber tabbed wrist closure and a flexible elastic band ensures a snug, comfortable fit.



### Recommended use

Fabrication work

### Personal Protective Equipment regulation (UE)2016/425

EN 388:2016+(A1) - 3 1 1 1 x

### Reference

|         |             |
|---------|-------------|
| Size S  | W2977-S-CE  |
| Size M  | W2977-M-CE  |
| Size L  | W2977-L-CE  |
| Size XL | W2977-XL-CE |

## TIG FLEX SENSITIVE Female

- The TIG FLEX SENSITIVE FEMALE gloves are designed to ensure the high level of dexterity and flexibility for regular welding applications in TIG/Flame processes.
- Made of goat leather, they are favoured by female TIG welders.



### Recommended use

TIG

### Personal Protective Equipment regulation (UE)2016/425

EN 420: 2003+(A1:2009) - 3  
EN388 :2016 - 2 1 3 2 x  
EN407 :2004 - 4 1 3 2 4 x  
EN 12477:2001+(A1:2005) - TYPE A

### Reference

|        |               |
|--------|---------------|
| Size 8 | WG-TIG-8-CE-L |
| Size 9 | WG-TIG-9-CE-L |



## MIG UNIVERSAL COMFORT

### Female

- The UNIVERSAL COMFORT FEMALE gloves are designed to protect hands during regular welding applications in MMA/MIG/ MAG/TIG processes and have grain leather palms for extra sensitivity.



★★★★☆  
Heat resistance



★★★★★  
Dexterity



★★★★★  
Abrasion resistance



★★★★★  
Molten metal splashes



#### Recommended use

Stick, MIG

#### Personal Protective Equipment regulation (UE)2016/425

EN 420: 2003+(A1:2009) - 3

EN 407:2004 - 4 1 3 2 4 x

EN 388:2016 - 2 1 3 2 x

EN 12477:2001+(A1:2005) - TYPE A

#### Reference

|        |                  |
|--------|------------------|
| Size 8 | WG-MIG-1-CE-T8-L |
| Size 9 | WG-MIG-1-CE-T9-L |



# WELD'her

Personal protective equipment



## New Weldline PPE Collection

for Women

Complete your personalized set

# WELD'FIT COMFORT

WELD'fit products are heat and flame resistant and provide the highest protection for the welders.

## Composition:

- Jacket: split leather, grain leather.
- Apron, sleeves and gaiters: split leather, grain leather.



### Standard:

Rules (EU) 2016/425 European Regulation on Personal Protective Equipment

**UNI EN ISO 13688:2013:** (general requirements for innocuousness, ergonomics and sizes),

**UNI EN ISO 11611:2015:** (use in welding operations and related procedures) Products are manufactured according to the Rules (EU) 2016/42

## SHORT AND LONG SLEEVES

The short and long sleeves in split leather are intended to protect arms from fine welding spatters.

- Made of split leather tanned with chromium salts (mineral substances).
- Fixed with leather straps.
- Elastic ribbing on the wrists.
- Single size.

### Reference

|                   |            |
|-------------------|------------|
| Short oversleeves | W000404083 |
| Long oversleeves  | W000404084 |

PPE II° category  
Certified by EU  
425/2016  
EN 11611 A1  
Class 2

### Long oversleeves

Our long oversleeves cover sleeves up to 60 cm long. They are ergonomic, elastic at the wrist and easy to fasten with leather laces on the shoulders.



### Short oversleeves

Short oversleeves cover sleeves up to 40 cm long, and are ergonomic and elastic at the ends.

## SPLIT LEATHER WELDING JACKET

Fastened with snap buttons covered with leather, our comfortable split leather jacket has an inside pocket. Split leather welding jackets are designed to protect the upper body of the user from fine welding spatters and grinding particles.

- The jacket fastens in the front with an overlap of leather and Velcro for additional protection against spatters; the inner neck is made of double cotton for comfort.
- Elastic ribbing on the wrists.
- Finished in red trim.
- Length: ± 780 mm.

### Reference

|           |                |
|-----------|----------------|
| Size S*   | W000404090-S   |
| Size M*   | W000404090-M   |
| Size L    | W000404090-L   |
| Size XL   | W000404090     |
| Size 2XL  | W000404091     |
| Size 3XL* | W000404090-3XL |
| Size 4XL* | W000404090-4XL |
| Size 5XL* | W000404090-5XL |

\* On demand

PPE II° category  
Certified by EU  
425/2016  
EN 11611 A1  
Class 2

Button closure under flap



Customise your welding jacket thanks to the removable velcro band



Breathable





## GRAIN LEATHER WELDING JACKET

Fastened with snap buttons covered with leather, our comfortable, regular fit grain leather jacket has an inside pocket and an elasticated wrist.

- Half of the back is made from flame retardant cotton, ensuring the jacket is light and flexible.
- The jacket fastens in the front with an overlap of leather and Velcro for additional protection against spatters; the inner neck is made of double cotton for comfort.
- Elastic ribbing on the wrists.
- Finished in red trim.
- Length: ± 780 mm.



### Reference

|           |                |
|-----------|----------------|
| Size S*   | W000404092-S   |
| Size M*   | W000404092-M   |
| Size L    | W000404092-L   |
| Size XL   | W000404092     |
| Size 2XL  | W000404093     |
| Size 3XL* | W000404092-3XL |
| Size 4XL* | W000404092-4XL |
| Size 5XL* | W000404092-5XL |

\* On demand

Button closure under flap

Breathable

Customise your welding jacket thanks to the removable velcro band

PPE II° category  
Certified by EU  
425/2016  
EN 11611 A1  
Class 2

With the blank velcro, you can add your company's logo, name or message of your choice.

## GRAIN LEATHER WELDING JACKET

*Female*

Fastened with snap buttons covered with leather, grain leather jackets for HER are adjustable and comfortable. These welding jackets are designed to protect the upper body.

- 100% leather.
- The jacket overlaps in the front offering additional protection against spatters. The inner neck coating consists of two layers of cotton for extra comfort.
- Finished in pink trim.
- Length: ± 780 mm.
- Available sizes: S, M, L, XL.
- One split leather bag included.

### Reference

|         |             |
|---------|-------------|
| Size S  | WJL-S-2019  |
| Size M  | WJL-M-2019  |
| Size L  | WJL-L-2019  |
| Size XL | WJL-XL-2019 |

PPE II° category  
Certified by EU  
425/2016  
EN 11611 A1  
Class 2

Included: one split leather bag.

Use the bag provided with the jacket to create your personalised package.

## GAITERS

Split leather gaiters, fastened with straps or with leather band are used to protect the bottom of the trousers and shoes from sparks and heat generated during welding and grinding operations.

Length: 30 cm.

- The gaiters are manufactured from four pieces that are stitched together. Adjustable leather belt/velcro strap and under-strap are added to secure the shoes.



PPE II° category  
Certified by EU  
425/2016  
EN 11611 A1  
Class 2



**Reference**

|                     |            |
|---------------------|------------|
| Gaiters with straps | W000404081 |
| Gaiters with velcro | W000404082 |

## LEATHER APRON

Designed to protect clothes from welding spatters and grinding particles.



PPE II° category  
Certified by EU  
425/2016  
EN 11611 A1  
Class 2

Grain leather apron

Split leather apron

**Split leather apron:**

- Premium split leather protective welding apron is tanned with chromium salts (mineral substances).
- Leather or cotton strap with quick release clips attached to the waist and the flap.

Fastened with clips or cotton straps.

**Grain leather apron:**

- Protective welding apron made of premium grain leather tanned with chromium salts (mineral substances).
- Leather strap fixed through bound eyelets to the waist and the flap.
- Single size.

**Reference**

|   |            |
|---|------------|
| Grain leather apron 1100 x 800              | W000404085 |
| Split leather apron 1100 x 800              | W000404086 |
| Split leather apron 900 x 600 leather laces | W000404087 |
| Split leather apron 900 x 600 fabric laces  | W000404088 |

# WELD'FIT COTTON CLOTHING

**WELD'fit WELDING GARMENTS** are made from 305 gr/m<sup>2</sup> flame retardant fabric – high heat resistance and spatter, contain multiple pockets which are fastened with velcro and manufactured according to EN ISO 11611:2015 Class 1/A1+A2.

As requested by EN norms, our items have clear and permanent markings and are sold together with their instruction manual.

## Regulation:

Personal Protective Equipment Regulation PPER (EU) 2016/425.

### EN ISO 11611 - Protective clothing for welding and related processes.

Clothing produced according to EN ISO 11611 serves to protect the wearer whilst welding or performing allied processes involving comparable risks. This clothing provides protection against spatter (minor splashes of molten metal) and so-called welding beads as well as brief contact with flames and radiant heat from the arc. Under normal welding conditions, it offers limited electrical insulation against DC voltage of up to approximately 100 V. According to EN ISO 11611, the clothing is divided into the following classes depending on their level of protection:

Class 1 or Class 2.

**Class 1** – protection against less hazardous welding techniques and situations causing lower levels of spatter and radiant heat.

**A1-A2** – Protection against limited flame spread.



Customisable velcro



Sleeve tightening snap button

## BLACK WELDING TROUSERS – FLAME RETARDANT COTTON

Practical and comfortable trousers in flame retardant cotton. Black & Red flame retardant fabric 305 gr./m<sup>2</sup>.

- Knee protection.
- Left side back pocket, fastened with velcro.
- Black Kevlar thread (Aramid fabric).
- Machine Washable 40°.



### Personal Protective Equipment Regulation

PPER (EU) 2016/425

EN ISO 11611:2015 Class 1/A1+A2

### Reference

|          |             |
|----------|-------------|
| Size M   | WP10570-M   |
| Size L   | WP10570-L   |
| Size XL  | WP10570-XL  |
| Size 2XL | WP10570-2XL |



## WELDING HOOD - FLAME RETARDANT COTTON

One size fits all. Head and neck cover. Black & Red flame retardant fabric 305 gr./m<sup>2</sup>. Width: 30 cm.

- Black Kevlar thread (Aramid fabric).
- Machine Washable 40°.



Personal Protective Equipment  
Regulation

PPER (EU) 2016/425

EN ISO 11611:2015 Class 1/A1+A2

### Reference

|          |              |
|----------|--------------|
| All size | W2995-ALL-CE |
|----------|--------------|

## DOO RAG - FLAME RETARDANT COTTON

One size fits all. Let your WELDLINE by LINCOLN ELECTRIC colours show! This premium doo rag, made from 305 gr./m<sup>2</sup> flame retardant fabric, features an athletic mesh for fast sweat evaporation.

- Black Kevlar thread (Aramid fabric).
- Machine Washable 40°.



Personal Protective Equipment  
Regulation

PPER (EU) 2016/425

EN ISO 11611:2015 Class 1/A1+A2

### Reference

|          |              |
|----------|--------------|
| All size | W2993-ALL-CE |
|----------|--------------|

## WELDING BEANIE - FLAME RETARDANT COTTON

One size fits all. Protect your head with this authorised WELDLINE by LINCOLN ELECTRIC flame retardant beanie.

- Black Kevlar thread (Aramid fabric).
- Stretch.
- Machine Washable 40°.



Personal Protective Equipment  
Regulation

PPER (EU) 2016/425

EN ISO 11611:2015 Class 1/A1+A2

### Reference

|          |              |
|----------|--------------|
| All size | W2994-ALL-CE |
|----------|--------------|

## TRADITIONAL SPLIT LEATHER-SLEEVED JACKET

Split cowhide sleeves resist spatter and wear, whilst lightweight material on the chest and back keep the wearer cool and comfortable. This basic jacket features an inside pocket and adjustable sleeves. Stylish and comfortable. Adjustable sleeves snap into place. Made with 100% flame-retardant material for maximum protection. Black & Red flame retardant fabric 305 gr./m<sup>2</sup>.

- One Internal left pocket.
- Sleeve tightening snap button.
- Collar fastened with velcro.
- Black Kevlar thread (Aramid fabric).
- Not Washable.

Customise your welding jacket thanks to the removable velcro band



### Personal Protective Equipment Regulation

PPER (EU) 2016/425

EN ISO 11611:2015 Class 1/A1+A2

### Reference

|          |              |
|----------|--------------|
| Size M   | W3106-M-CE   |
| Size L   | W3106-L-CE   |
| Size XL  | W3106-XL-CE  |
| Size 2XL | W3106-2XL-CE |
| Size 3XL | W3106-3XL-CE |

## GRAIN LEATHER-SLEEVED JACKET

For optimal protection and freedom of movement for MIG or stick welding, choose our full-grain leather sleeve jacket with a flame-retardant, 100% cotton chest panel. The flip-up collar secures with an adjustable hook and loop closure and the front panel secures with an extra flap, for full closure. Horizontal hip pockets provide secure compartments for personal items. Comfort and dexterity for MIG or stick welding. Black & Red flame retardant fabric 305 gr./m<sup>2</sup>.

- Two external pockets which are closable with velcro.
- Sleeve tightening snap button.
- Collar fastened with velcro.
- Black Kevlar thread (Aramid fabric).
- Not washable.

Customise your welding jacket thanks to the removable velcro band



### Personal Protective Equipment Regulation

PPER (EU) 2016/425

EN ISO 11611:2015 Class 1/A1+A2

### Reference

|          |              |
|----------|--------------|
| Size M   | W2987-M-CE   |
| Size L   | W2987-L-CE   |
| Size XL  | W2987-XL-CE  |
| Size 2XL | W2987-2XL-CE |
| Size 3XL | W2987-3XL-CE |



## WELDING JACKET - FLAME RETARDANT COTTON

Made from 100% flame-retardant material, our cloth jacket is ideal for light-duty welding. A convenient inside pocket stows personal items. Protection for light-duty welding.

Black & Red flame retardant fabric 305 gr./m<sup>2</sup>.

- One Internal left pocket.
- Sleeve tightening snap button.
- Collar fastened with velcro.
- Black Kevlar thread (Aramid fabric).
- Machine Washable 40°.

Customise your welding jacket thanks to the removable velcro band



Personal Protective Equipment Regulation

PPER (EU) 2016/425

EN ISO 11611:2015 Class 1/A1+A2

### Reference

|          |              |
|----------|--------------|
| Size M   | W2985-M-CE   |
| Size L   | W2985-L-CE   |
| Size XL  | W2985-XL-CE  |
| Size 2XL | W2985-2XL-CE |
| Size 3XL | W2985-3XL-CE |

## WELDING LAB COAT - FLAME RETARDANT COTTON

This knee-length coat is ideal for instructors, supervisors and occasional welders. Made from 100% flame retardant material, it's designed for use by not just the welder but anyone in the immediate work area. Pockets at the hips and chest store chalk, grease pens or other items. Black & Red flame retardant fabric 305 gr./m<sup>2</sup>. Ideal for instructors, supervisors. Protection for light-duty welding.

- Two external pockets at waist height and one on the left chest. All are fastened with velcro.
- Sleeve tightening snap button.
- Collar fastened with velcro.
- Black Kevlar thread (Aramid fabric).
- Machine Washable 40°.

Customise your welding jacket thanks to the removable velcro band



Personal Protective Equipment Regulation

PPER (EU) 2016/425

EN ISO 11611:2015 Class 1/A1+A2

### Reference

|         |             |
|---------|-------------|
| Size M  | W3112-M-CE  |
| Size L  | W3112-L-CE  |
| Size XL | W3112-XL-CE |



**WELDLINE**  
by Lincoln Electric

**WELDING ACCESSORIES**

# SPRAYS



## Anti-spatters

### CERASKIN

- Ceramic coating.
- Exceptionally fast drying, long lasting and durable coating.
- The ceramic base makes a barrier and prevents weld spatter adhering to welding equipment and welded parts.
- Guarantees eight consecutive hours of welding work (a full working day), without any extra applications of the product.



**Reference**  
W000277679

### SPRAYMIG H<sub>2</sub>O

- Water based and odourless.
- No influence on porosity and cold cracks.
- No influence of the content of diffusible hydrogen in the weld metal.
- Soluble and silicone free.
- Biodegradable.
- Allows parts to be lacquered.



**Reference**  
Spray (400 ml) W000010001  
Drum (20 liters) W000011074

### SPRAYMIG SIB

#### Basic silicone Welding Anti-spatter spray.

- Lubricant.
- Water repellent.
- Sliding agent.
- Protects rubber.
- Antistatic.
- Polish.

- Specifications:
- SPRAYMIG SIB is a preventive maintenance product for MIG/MAG torches.
  - To be used on cold parts only, do not use on threads or inside contact tips (as the product is electrically insulating).
  - Volume: 400 ml (net) - 520 ml (nominal).
  - Propellant gas: aliphatic hydrocarbons.
  - Base: silicone and isoparaffinic solvent.
  - Product to replace SVD with an identical result.



**Reference**  
Spray (400 ml) W000011093

### SPRAYMIG SVB

- Silicone free.
- Compatible with paint.
- Use on cold parts.
- Use on nozzles and outside contact tips only.



**Reference**  
W000011092

### NETMIG

- Protects nozzles and contact tips from spatters by immersion.
- Silicone and solvent free.
- Odourless.



**Reference**  
W000011071

## Anti-corrosion

### GALVASPRAY

- Protection of welded joints.
- Allows welded parts to be lacquered.



**Reference**  
Volume : 500 ml (nominal) W000011094

## Cracks detection

### FLUXO S190 - CLEANER

Cleans the workpiece and removes excessive penetrant.

- Propellant: butane / propane.
- Volume : 500 ml (net) – 650 ml (nominal).



**Reference**  
W000374827

### FLUXO P125 - PENETRANT

Type II – level 2 – Methode AC. non-destructive testing.

- Propellant: butane / propane.
- Volume : 500 ml (net) – 650 ml (nominal).



**Reference**  
W000374825

### FLUXO R175 - DEVELOPER

Detection of cracks and surface faults.

- Propellant: butane / propane.
- Volume : 500 ml (net) – 650 ml (nominal).



**Reference**  
W000374826

## Heat protection

### THERMISHIELD

- Designed to stop heat from travelling through most metals during welding, brazing or soldering.
- Prevents metals and plastics distortion caused by the heat of the welding torch.
- Volume: 500 ml.



**Reference**  
W000274839





# ELECTRODE HOLDERS



**WELDLINE**  
by Lincoln Electric

## Screw type electrode holders



|                  | VESTALETTE 250 | STUBBY 400 | MASTER 500 | VESTALE 500 | CURVA 400  | CURVA 600  |
|------------------|----------------|------------|------------|-------------|------------|------------|
| Reference        | W000010035     | W000010036 | W000010037 | W000010038  | W000010573 | W000010574 |
| Amperage (A)     | 250 at 35%     | 400 at 35% | 500 at 35% | 500 at 35%  | 400 at 35% | 600 at 35% |
| Cable Ø (mm)     | 35 max.        | 50 max.    | 95 max.    | 95 max.     | 50 max.    | 95 max.    |
| Electrode Ø (mm) | 4.0 max.       | 6.3 max.   | 8.0 max.   | 6.3 max.    | 6.3 max.   | 8.0 max.   |
| Weight           | 295 g          | 460 g      | 530 g      | 470 g       | 540 g      | 720 g      |

## Lever type closed head electrode holders



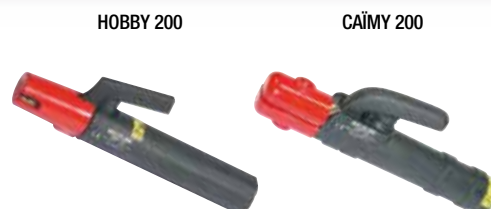
|                  | SEGURA 300 | SEGURA 400 | SEGURA 600 | COBRA 300  | OPTIMUS 300 | OPTIMUS 400 | OPTIMUS 500 |
|------------------|------------|------------|------------|------------|-------------|-------------|-------------|
| Reference        | W000010570 | W000010571 | W000010572 | W000010039 | W000010410  | W000010411  | W000010412  |
| Amperage (A)     | 300 at 35% | 400 at 35% | 500 at 35% | 300 at 35% | 300 at 35%  | 400 at 35%  | 500 at 35%  |
| Cable Ø (mm)     | 35 max.    | 50 max.    | 70 max.    | 35 max.    | 35 max.     | 50 max.     | 70 max.     |
| Electrode Ø (mm) | 4.0 max.   | 5.0 max.   | 8.0 max.   | 4.0 max.   | 4.0 max.    | 5.0 max.    | 6.3 max.    |
| Weight           | 415 g      | 570 g      | 590 g      | 400 g      | 415 g       | 570 g       | 590 g       |

## Lever type opened head electrode holders



|                  | CAÏMAN 200 | CAÏMAN 400 | CAÏMAN 600 |
|------------------|------------|------------|------------|
| Reference        | W000010567 | W000010568 | W000010569 |
| Amperage (A)     | 200 at 35% | 400 at 35% | 600 at 35% |
| Cable Ø (mm)     | 25 max.    | 50 max.    | 95 max.    |
| Electrode Ø (mm) | 3.2 max.   | 6.3 max.   | 10 max.    |
| Weight           | 370 g      | 425 g      | 500 g      |

## Hobby and light duty electrode holders



|                  | HOBBY 200  | CAÏMY 200  |
|------------------|------------|------------|
| Reference        | W000268399 | W000010576 |
| Amperage         | 200 at 35% | 200 at 35% |
| Cable Ø (mm)     | 25 max.    | 25 max.    |
| Electrode Ø (mm) | 3.2 max.   | 3.2 max.   |
| Weight           | 135 g      | 220 g      |

# GOUGING ELECTRODES

- First class metal removal rates.
- Removing defective welds, preparing joints for welding, severing, pad washing, beveling.
- 17 separate models ranging from 4 x 305 to 19 x 430.
- More consistent melting rate results in uniform, smooth grooves.
- Dense copper coating improves arc stability.
- High mechanical strength for improved durability.
- Constant quality for a safe process.



## Process

CAC-A (gouging)

## Applications

Removing defective welds, preparing joints for welding, severing, pad washing, beveling

## CARBONAIR

### Pointed electrodes

Versatile, multi-purpose, round, gouging electrodes (most popular type).

| Diameter x length (mm) | Quantity per box | Gross weight per box (kg) | I mini (A) | I max (A) | Air pressure (bars) | Airflow (m <sup>3</sup> /h) | Reference  |
|------------------------|------------------|---------------------------|------------|-----------|---------------------|-----------------------------|------------|
| 4 x 305                | 100              | 0,7508                    | 150        | 200       | 5,0                 | 10                          | W000010645 |
| 5 x 305                | 100              | 1,1582                    | 200        | 300       | 5,0                 | 10                          | W000010443 |
| 6,4 x 305              | 50               | 0,935                     | 300        | 400       | 6,0                 | 10,5                        | W000010444 |
| 8 x 305                | 50               | 1,4026                    | 450        | 550       | 7,0                 | 12                          | W000010445 |
| 10 x 305               | 50               | 1,9154                    | 600        | 700       | 8,0                 | 13                          | W000010446 |
| 13 x 305               | 50               | 3,4112                    | 900        | 1100      | 9,0                 | 14                          | W000010447 |



### Flat electrodes

Rectangular shape for close tolerance metal removal and/or rectangular grooves production.

| Diameter x length (mm) | Quantity per box | Gross weight per box (kg) | I mini (A) | I max (A) | Air pressure (bars) | Airflow (m <sup>3</sup> /h) | Reference  |
|------------------------|------------------|---------------------------|------------|-----------|---------------------|-----------------------------|------------|
| 5 x 15 x 305           | 50               | 2,15                      | 500        | 600       | 8,0                 | 13                          | W202010453 |
| 5 x 18 x 355           | 25               | 1,6945                    | 600        | 750       | 8,0                 | 13                          | W202010454 |



### Hollow electrodes

Round electrode with hollow core allows for faster travel speed without sacrificing groove depth.

| Diameter x length (mm) | Quantity per box | Gross weight per box (kg) | I mini (A) | I max (A) | Air pressure (bars) | Airflow (m <sup>3</sup> /h) | Reference  |
|------------------------|------------------|---------------------------|------------|-----------|---------------------|-----------------------------|------------|
| 5 x 305                | 100              | 1,0472                    | 200        | 300       | 5,0                 | 10                          | W202010455 |
| 8 x 305                | 50               | 1,3394                    | 450        | 550       | 7,0                 | 12                          | W202010456 |
| 9,5 x 305              | 50               | 2,0554                    | 500        | 700       | 7,0                 | 12                          | W202010457 |
| 12,7 x 305             | 50               | 3,3476                    | 850        | 1100      | 8,0                 | 13                          | W202010458 |



## CARBONAIR PLUS

### Jointed electrodes

Round electrodes with male and female connections to eliminate stub loss. Applicable in medium and heavy duty metal cutting. This process requires MMA direct current (DC) power source, a gouging torch and compressed air source.

| Diameter x length (mm) | Quantity per box | Gross weight per box (kg) | I mini (A) | I max (A) | Air pressure (bars) | Airflow (m <sup>3</sup> /h) | Reference  |
|------------------------|------------------|---------------------------|------------|-----------|---------------------|-----------------------------|------------|
| 8 x 355                | 50               | 1,713                     | 400        | 500       | 7,0                 | 12                          | W000010448 |
| 10 x 430               | 50               | 3,0726                    | 700        | 850       | 8,0                 | 13                          | W000010449 |
| 13 x 430               | 50               | 5,0886                    | 1000       | 1200      | 9,0                 | 14                          | W000010450 |
| 16 x 430               | 25               | 3,8728                    | 1300       | 1500      | 10,0                | 16                          | W000010451 |
| 19 x 430               | 25               | 5,3048                    | 1500       | 1700      | 10,0                | 16                          | W000010452 |



# GOUGING TORCHES

## FLAIR® 600 / 1600

- The torch can rotate 360° on the monocable, allowing unrestricted movement.
- Smoothly finished body for perfect airflow – manufactured with the greatest accuracy. The inner body is perfectly shaped which results in a perfect airflow, better cooling and longer lifespan.
- Highly conductive extruded body and nozzle (non-casted) – better conduction and less heat development and consequently a longer product lifetime.
- Thicker heat resistant insulation – ensures not only longer product lifetime, but also safer, more convenient and more productive working conditions.
- Flexible monocable (2,5 meter) ensures more ergonomical, effective working conditions.
- The airflow can be regulated on the torch.



|                      | FLAIR® 600                | FLAIR® 1600 |
|----------------------|---------------------------|-------------|
| Reference            | W000010136                | W000010118  |
| Output Power         | 600A@60%                  | 1600A@60%   |
| Open arc voltage     | > 60 VDC                  |             |
| Required Voltage     | 35-56 VDC                 |             |
| Compressed air       | 400-900 l/min<br>@5-7 bar |             |
| Electrode diam. max. | 10 mm                     | 19 mm       |

# OTHER ACCESSORIES

## MMA KITS



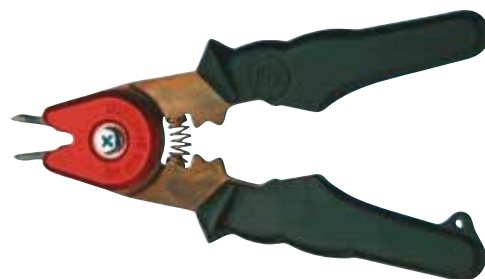
|                  | Kit 25C25  | Kit 25C25+ | Kit 35C50  | Kit 50C50  | Kit 50C50+ |
|------------------|------------|------------|------------|------------|------------|
| Reference        | W000011138 | W000260683 | W000011139 | W000260681 | W000260682 |
| I max            | 200 at 35% | 300 at 35% | 300 at 35% | 300 at 35% | 400 at 35% |
| Electrode holder | CAÍMAN 200 | SEGURA 300 | SEGURA 300 | SEGURA 400 | SEGURA 600 |
| Cable length     | 3 m        | 3 m        | 4 m        | 4 m        | 4 m        |
| Earth clamp      | HIPPO 200  | HIPPO 400  | HIPPO 400  | HIPPO 400  | HIPPO 600  |
| Cable length     | 3 m        | 2 m        | 4 m        | 4 m        | 4 m        |
| Plug diameter    | 9 mm       | 9 mm       | 13 mm      | 13 mm      | 13 mm      |

## MIG PLIERS (ORIGINAL FIX®)

### Useful to:

- Cut the wire.
- Clean the nozzles.
- Unscrew the tips.
- Unscrew the nozzles.

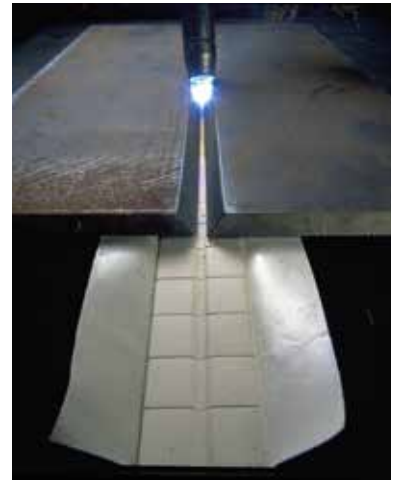
| Ø NOZZLE 12-15 mm | Ø NOZZLE 15-18 mm |
|-------------------|-------------------|
| W000010453        | W000010454        |



# CERAMIC BACKINGS

The selection of KERALINE slat types for different welding processes.

|               | MMA | TIG | MIG/MAG | SAW |               | MMA | TIG | MIG/MAG | SAW |
|---------------|-----|-----|---------|-----|---------------|-----|-----|---------|-----|
| KERALINE TA 1 | -   | ✓   | ✓       | -   | KERALINE TR 2 | ✓   | -   | ✓       | -   |
| KERALINE TA 2 | -   | ✓   | ✓       | -   | KERALINE TR 3 | ✓   | -   | ✓       | -   |
| KERALINE TA 3 | ✓   | -   | ✓       | -   | KERALINE TR 4 | ✓   | -   | ✓       | -   |
| KERALINE TF 1 | -   | ✓   | ✓       | -   | KERALINE TR 5 | ✓   | -   | ✓       | -   |
| KERALINE TF 2 | -   | ✓   | ✓       | -   | KERALINE TR 6 | ✓   | -   | ✓       | -   |
| KERALINE TF 3 | ✓   | -   | ✓       | -   | KERALINE TM 1 | ✓   | ✓   | ✓       | ✓   |
| KERALINE TR 1 | ✓   | -   | ✓       | -   | KERALINE TM 2 | ✓   | ✓   | ✓       | ✓   |



## Ceramic-on-aluminum tape

| Type               | Reference  | Dimensions (mm)          | 3D diagram  | Application  | Packing   |   |  |   |
|--------------------|------------|--------------------------|---|--|---|---|--|---|
| KERALINE TR1-6 mm  | W000010397 | Ø 6                      |  |  | 600 mm / piece<br>50 pieces per bag (30 meters)<br>5 bags/carton (150 meters) |   |  |   |
| KERALINE TR2-7 mm  | W000010398 | Ø 7                      |   |  |   |   |  |   |
| KERALINE TR3-8 mm  | W000010399 | Ø 8                      |   |  |   |   |  |   |
| KERALINE TR4-9 mm  | W000010400 | Ø 9                      |   |  |   |   |  |   |
| KERALINE TR5-12 mm | W000010401 | Ø 12                     |   |  |   |   |  |   |
| KERALINE TR6-15 mm | W000010402 | Ø 15                     |   |  |   |   |  |   |
| KERALINE TA1-6 mm  | W000010391 | 27 x 7.3 mm (6 mm slot)  |  |  | 600 mm / piece<br>10 pieces per bag (6 meters)<br>6 bags/carton (36 meters)   |   |  |   |
| KERALINE TA2-9 mm  | W000010392 | 27 x 7.3 mm (9 mm slot)  |   |  |   |   |  |   |
| KERALINE TA3-13 mm | W000010393 | 27 x 7.3 mm (13 mm slot) |   |  |   |   |  |   |
| KERALINE TF1-6 mm  | W000010394 | 27 x 7.3 mm (6 mm slot)  |   |  |   |   |  |   |
| KERALINE TF2-9 mm  | W000010395 | 27 x 7.3 mm (9 mm slot)  |   |  |   |   |  |   |
| KERALINE TF3-13 mm | W000010396 | 27 x 7.3 mm (13 mm slot) |   |  |   |   |  |   |
| KERALINE TA1-6 mm  | W000010391 | 27 x 7.3 mm (6 mm slot)  |   |  |   |  |  | 600 mm / piece<br>10 pieces per bag (6 meters)<br>6 bags/carton (36 meters) |
| KERALINE TA2-9 mm  | W000010392 | 27 x 7.3 mm (9 mm slot)  |   |  |   |   |  |   |

### Ceramic-on-aluminum tape

| Type                                | Reference  | Dimensions (mm) | 3D diagram | Application | Packing   |
|-------------------------------------|------------|-----------------|------------|-------------|---|
| KERALINE TJ10 T<br>FULL PENETRATION | W000262368 |                 |            |             | 600 mm / piece<br>10 pieces per bag (6 meters)<br>6 bags/carton (36 meters) |
| SET OF CERAMIC<br>BACKING RAD 150   | W000275493 |                 |            |             | 16 pieces /Circle<br>18 Circles/carton (18 meters)                          |
| SET OF CERAMIC<br>BACKING RAD 200   | W000275532 |                 |            |             | 4 pieces/Segment<br>20 Segments / SET<br>12 Sets/carton (12 meters)         |
| SET OF CERAMIC<br>BACKING RAD 100   | W000404095 |                 |            |             | 12 pieces /Circle<br>22 Circles/carton (22 meters)                          |

### Ceramic-on-metallic support

| Type                    | Reference  | Dimensions (mm) | 3D diagram | Application | Packing  |
|-------------------------|------------|-----------------|------------|-------------|--|
| KERALINE TM1<br>- 13 mm | W000010403 |                 |            |             | 600 mm / piece<br>10 pieces per bag (6 metres)<br>7 bags/carton (42 metres)  |
| KERALINE TM2<br>- 18 mm | W000010404 |                 |            |             | 600 mm / piece<br>9 pieces per bag (5,4 metres)<br>5 bags/carton (27 metres) |

KERALINE has a very low moisture absorption rate and a high melting point, allowing use at high welding intensity, up to 600A.

### For a well-made welding bead:

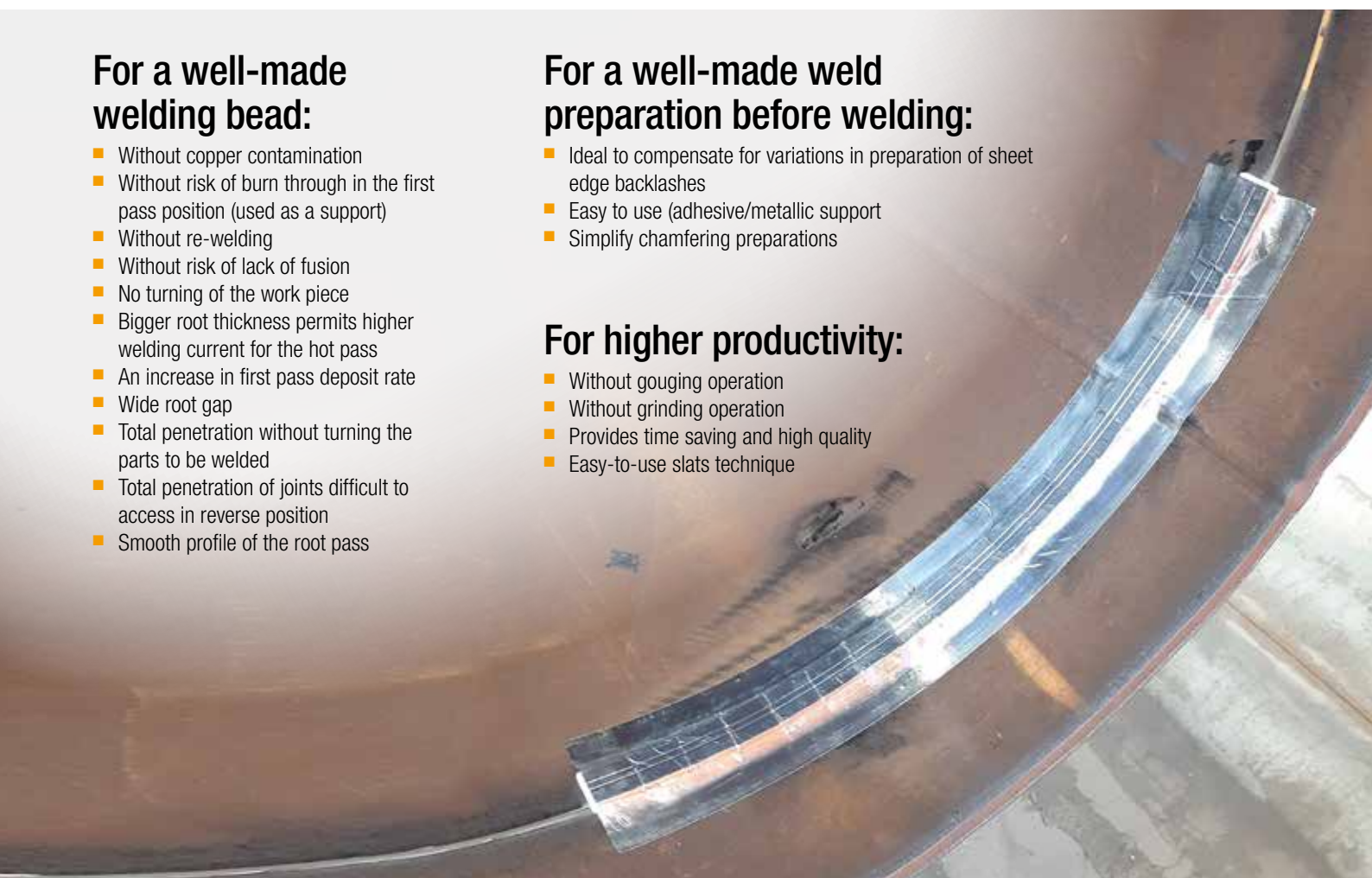
- Without copper contamination
- Without risk of burn through in the first pass position (used as a support)
- Without re-welding
- Without risk of lack of fusion
- No turning of the work piece
- Bigger root thickness permits higher welding current for the hot pass
- An increase in first pass deposit rate
- Wide root gap
- Total penetration without turning the parts to be welded
- Total penetration of joints difficult to access in reverse position
- Smooth profile of the root pass

### For a well-made weld preparation before welding:

- Ideal to compensate for variations in preparation of sheet edge backlashes
- Easy to use (adhesive/metallic support)
- Simplify chamfering preparations

### For higher productivity:

- Without gouging operation
- Without grinding operation
- Provides time saving and high quality
- Easy-to-use slats technique









[www.lincolnelectric.eu](http://www.lincolnelectric.eu)

#### **CUSTOMER ASSISTANCE POLICY**

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