







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

THIS BRAND HAS A TRIPLE COMMITMENT:

Quality products

Chosen by our international team, WELDLINE® by Lincoln Electric products comply with the European standards, always aiming to meet customer's requirements in the best possible way.

Value for money

We use our global purchasing power to ensure that our customers can benefit from quality products with the right price.

Optimized logistics

A single brand supporting Lincoln Electric, OERLIKON & SAF-FRO networks to ensure increase product availability to all our customers.

Products commercialized by SAF-FRO, OERLIKON and LINCOLN ELECTRIC networks.





www.oerlikon-welding.com



www.lincolnelectric.eu





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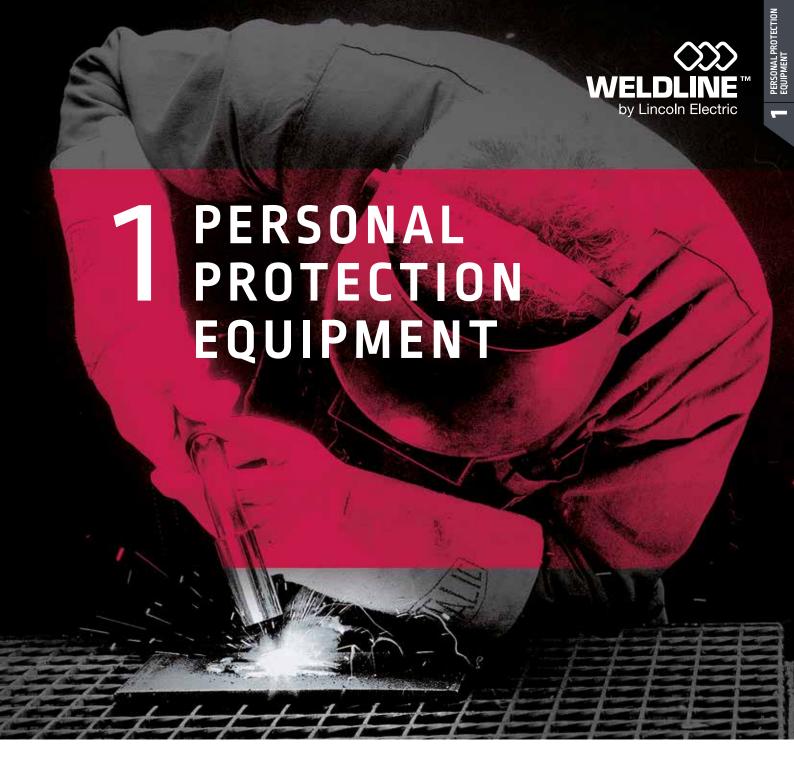


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CUTTING & GRINDING DISKS



PROTECTION

♦ LCD welding filter	7
◆ Electronic helmets	8 — 18
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DO YOU OFFER YOUR WELDERS THE BEST POSSIBLE PROTECTION?





Weldline by Lincoln Electric, more comfort and safety for welders.

Discover our offer of quality products at www.weldline.eu



All products have to be in accordance with EU standards and the CE marking is mandatory: **EN 175**

HELMETS

Choice of head protection

An **electronic helmet** allows the welder to be immediately and automatically protected when the welding operation begins.

The result is a better efficiency, a better comfort, and at least a better result.

Electronic helmets exist with fixed or variable shade.

The choice depends on the welding process.



















	EUROONE	EUROSPEED LS	CHAMELEON 4V LS	EUROLUX 4500 LS	GOLDENARK LS	ZEPHYR 4500 LS FLIP-AIR 4500 LS
To order	W000403823	W000403824	W000403668	W000403672	W000403673	W000403674 W000403675
For welding process	MMA, MIG MAG	MMA, MIG MAG, TIG	Every welding process, especially for TIG	Every welding process	Every welding process	MMA, MIG MAG
Optical class	1/1/1/2	1/1/1/2	1/1/1/2	1/1/1/2	1/1/1/2	1/1/1/2
Lens switching speed	0,06 ms	0,04 ms	0,05 ms	0,04 ms	0,05 ms	0,04 ms
Lens shade	3.5/9-13	3.5/9-13	3/8-13	3/8-13	3/8-13	3/8-13
Independent sensors	2	2	3	4	4	4
TIG Amp Rating	>= 10A DC & >= 10A AC	>= 5A DC & >= 5A AC	>= 5A DC & >= 5A AC	>= 5A DC & >= 5A AC	>= 5A DC & >= 5A AC	
Light Shade technology	No	Yes	Yes	Yes	Yes	Yes
Viewing area (mm²)	4 312	4 312	4 559	4 312	8 736	5 820
Grinding mode	External	Internal	External	External	External	External
Digital setting	No	No	Yes	Yes	Yes	Yes
Additional features		Delivered with a planch of stickers	-	Xmode & infotrack	Xmode & infotrack	Xmode & infotrack Flow rates: 2 - from 160I/min to 200I/min Flame retardant material Lithium Battery
Weight (g)	490	475	614	542	668	938g + 1760g
Warranty	12 Months	18 Months	2 Years	2 Years	2 Years	2 Years

Passive products (handshields and helmets) would be chosen for punctual or discontinue use. In case of continual welding, **an electronic helmet** is necessary.

Handshields and passive helmets exist for 2 types of applications: **light or heavy duty**.

- ◆ **Light duty:** you will prefer thermoplastic products (*light*, *low price*, *flexible*).
- ◆ Heavy duty: generally polyester with fibreglass [heat resistant, spatters resistance].

The **size of the window** depends on countries habits.









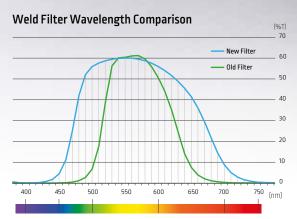




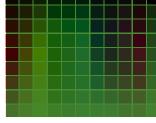
THE NEW RANGE OF HIGH QUALITY AUTODARKENING HELMETS

NEW LIGHT SHADE TECHNOLOGY - NATURAL VISION

- Natural vision for more comfort for the welders
- Better color perception for more safety
- ◆ A largest panel color for a clearer vision of the bead and of the environment from shade 3 to 13.





















WELDING FILTER UNAPPLIED

OLD WELDING FILTER

Since it needs to be special coated to protect the harmful rays, the penetration ratio is less than the transparent lens and user feels the color as yellow-green.

NEW LIGHT SHADE WELDING FILTER

New Welding Filter has function of protection against harmful rays and the penetration ratio is increased so user can recognize the object more brighter

Also the recognizable color is enhanced natural color from current yellow-green.

The lens improved as natural color can make the user recognize the object with ungarbled color so it can reduce feeling of fatigue and improve operation efficiency.

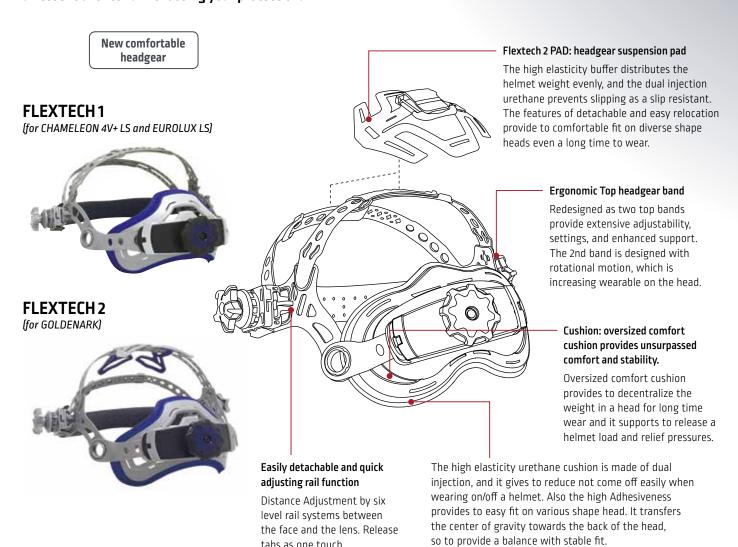


HEADBAND

With the filter, the headband is one of the main elements that makes an electronic helmet comfortable.

Weldline by Lincoln Electric is always concerned about the user comfort and has developed a series of head bands, that will allow you to combine comfort and ergonomics.

More than a detail, it is the key for comfort and maintenance of the helmet, an essential criteria in choosing your protection.



FLEX SPEED LS (for EUROONE) FLEX SPEED LS (for EUROSPEED LS) 1 Removable sweatband 2 Setting on the top 3 Rack setting 4 Comfort cushion

EUROONE

All the comfort and security of liquid crystal technology in a protective and comfortable welding helmet.

- Covering shape for an optimized head protection.
- ◆ External grinding mode.
- ♦ 4 312 mm² ~ Filter view.

Delivered with: 2 outside protection plates and 2 inside protection plates, 1 sweat band.











	EURUUNE	
Applications	Every welding process.; Not for Laser Welding or Oxyacetylene Welding/Cutting	
Type cell	Variable shade DIN 3.5/9-13	
Optical class	1/1/1/2	
Shade	External variable	
Cartridge dimensions	110 x 90 x 9 mm	
Weight (Filter + shield + head band) 490g		
Viewing area	98 x 44 mm	
Clear shade	DIN 3.5	
Dark shade Variable from 9 to 13		
Switching time clear-dark	1/16000 s	
Sensitivity adjustment	Adjust by infinitely dial knob	
Switching time dark-clear	0.1-1.0 s by infinitely dial knob	
Sensors	2 optical sensors	
Grinding mode (shade 4)	External	
Power supply	Solar cells, no battery change required	
Protection	Permanent protection against UV and IR	
To order		
Helmet	W000403823	
LCD cell	W000404067	
11.16		

List of spare parts: see page 14

EUROSPEED LS/ CHAMELEON 4V+ LS



All the comfort and security of liquid crystal technology in a protective and comfortable welding helmet.

EUROSPEED LS

- ◆ Robustness and confortable shape.
- ◆ Internal grinding mode.
- ◆ Soft and confortable sweat hand

Delivered with:

2 outside protection plates and 1 inside protection plate, and 1 sweat band. 1 comfort cushion on the headgear apres 1 sweat band.



Clear shade

Dark shade

Protection



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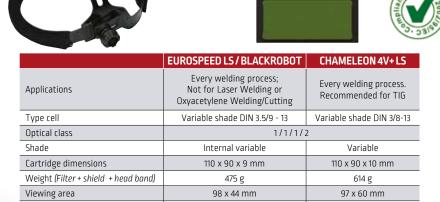
- Covering shape for an optimized head protection.
- ◆ 4 plans adjustable headgear delivered with comfort cushion.
- Auto-start: the LCD cell automatically turns on.
- ◆ Reset button: press the reset button twice to re-initialize the original parameters.
- ◆ The low battery indicator lights when 2-3 days of battery life remain.

Delivered with:

5 outside protection plates and 2 inside protection plates, 1 sweat band and 1 comfort cushion on the headgear.







DIN 3.5

Variable from 9 to 13

Permanent protection

against UV and IR

Switching time clear-dark 1/25000 sec. 1/20000 sec. Sensitivity adjustment Adjust by infinitely dial knob Switching time dark-clear 0.1~1.0s by infinitely dial knob Varaible from 1 s to 0.1 s Sensors 3 independent 2 optical sensors Sensors highly sensible Grinding mode (shade 4) External Solar cell + Battery replaceable 2 lithium CR2450 3 Volts (2 x AAA Alkaline batteries) Power supply batteries + Solar cells Low battery alarm; Test button

To order						
Helmet	W000403824	W000403668				
Blackrobot version	W000403824-1	-				
LCD cell	W000404097	W000402680				





Permanent IR-UV filtration

DIN₃

Variable from 8 to 13

EUROLUX LS

LCD autodarkening welding helmets

◆ High Tech LCD autodarkening filter. An extra-wide vision: 5 820 mm².

The advantages of the EUROLUX LS helmet

Exclusive design:

- Easy filter release by simply pressing the push button.
- ◆ Adjustable headgear with 4 positions.

Comfort and protection:

- Covering shape for an optimized head protection.
- Optimization of the volume for a better breathing comfort.
- ◆ Manufactured with high resistance synthetic material (Nylon 66).
- ◆ Lightweight and heat resistant.
- ◆ The low battery indicator lights when 2-3 days of battery life remain.

Delivered with:

5 outside protection plates and 2 inside protection plates, 1 sweat band and 1 comfort cushion on the headgear.



	EUROLUX LS
Optical class	1/1/1/2
Switching time clear-dark	0.05 ms
Switching time dark-clear	10 positions from 0.1 s to 1 s setting per digital key
Sensitivity adjustment	Setting per digital key (10 positions)
Modes Welding Grinding Cutting X mode* Infotrack system**	Yes shade 8 to 13 per digital key Yes shade 3 (per external button) Yes shade 5 to 9 per digital key Yes Yes
Sensors	4 independent optical sensors Magnetic in «X» mode
Clear shade	DIN 3
Dark shade	Adjustable from 5 to 13
Viewing area	97 x 60 mm
Constant UV/IR protection	Yes
Battery type	2 lithium CR2450 3 Volts
Solar cell	Yes
Temperature scale Use Storage	From -5 °C to +55 °C From -30 °C to +70 °C
Weight (Filter + shield + head band)	542 g
Standard LCD filter Helmet	CE EN 379 CE EN 175

To order	
Complete helmet	W000403672
LCD filter	W000402681

^{*} X-mode: this mode allows welding in outdoor conditions or with very low arc current ** Infotrack system: provides useful information

List of spare parts: see page 14



Filter Advance 4500 LS - Infotrack shade 3/8-13:

The top-of-the-range solution for any application:

4 adjustment modes via the LCD screen with digital keys:

- ◆ Welding: variable shades 8-13, 4 optical sensors, sensitivity regulation and return to a clear shade.
- Grinding: filter activation in clear shade level 3.
- ◆ Cutting, low current welding: adjustable shades 5 to 8 for low intensity TIG process, microplasma, oxy-fuel gas welding...
- ◆ "X mode": adjustable shade 3 to 8-13 with magnetic sensors for outside use or obscured arc welding.

Infotrack system: provides useful information (current time - total welding time - alarm temperature).



- ◆ Auto-start function: it is not necessary to push the "on" button before starting to weld. Automatic starting.
- ◆ Reset button: press the "reset" button twice to re-initialize the original parameters.
- Grinding mode: fixed shade 4 is activated, to ensure optimum protection when grinding.



GOLDENARK LS

Think bigger.

- Extra wide field of view: 112 x 78 mm
- ◆ All applications:4 operating modes: Welding, Cutting, Grinding & X-mode.
- ◆ Multi language help menu Available in English, French and Spanish with InfoTrack system.
- ◆ The low battery indicator lights when 2-3 days of battery life remain.



I50iw - InfoTrack (auto darkening welding lens)





A display function of arc time Control

The arc time function records the amount of time the lens assembly is dark (exposed to an arc). Arc time is accumulated and displayed hours and minutes as Max. 99 hours 59 minute.





A display function of Current time

You can access to set a current local time.



Timer function

A time-management function with alarms.



Multi-language support

Help menu displays in Korean and English as default setting (up to 6 languages supportable)





Alarm function

Alarm clock functions to turn on alarm at a specific time.



Help menu

Help menu displays abbreviated instructions, modes, and notes on proper usage.



Better weight distribution on the head. Feeling of comfort and maintains more important.





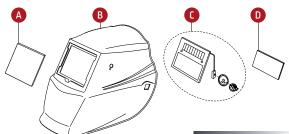
GOLDENARK LS

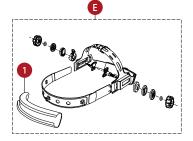


Optical class	1/1/1/2
Viewing area	112 x 78 mm
Switching time clear to dark	0.00005 sec
Switching time dark to clear	Between 0.1 and 1.0 sec
Clear shade	DIN 3
Available shades All shades provide continuous UV and IR protection	- Welding: DIN 8-13 - Cutting: DIN 5-8 - Grinding: DIN 3 - X-mode: DIN 8-13
Color of the cell	Yellow, to help clearing color sorting
Power supply	CR2450 Lithium batteries
Sensors	4 independent
Operating temperature	From -10°C to +55°C
Storage temperature	From -20°C to +70°C
Weight (Filter + shield + head band)	668 g
To order	



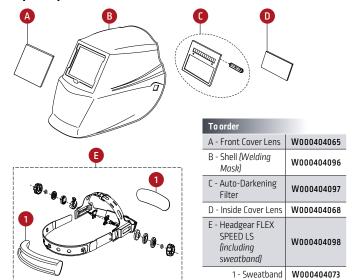
Spare parts for **EUROONE**

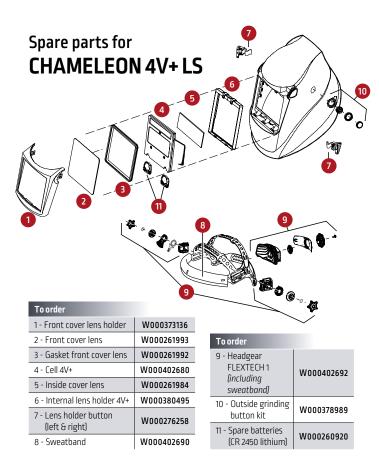


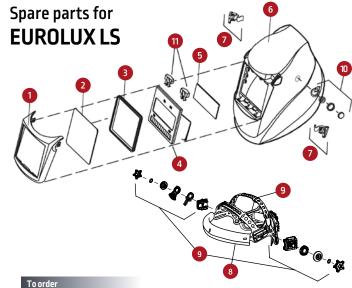


To order	
A - Front Cover Lens	W000404065
B - Shell (Welding Mask)	W000404066
C - Auto-Darkening Filter	W000404067
D - Inside Cover Lens	W000404068
E - Headgear FLEX ONE (including sweatband)	W000404069
1 - Sweatband	W000404073-1

Spare parts for **EUROSPEED LS**



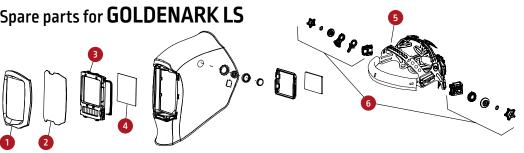




To order	
1 - Front lens holder	W000272829
2 - Outside lens cover	W000261993
3 - Gasket lens cover	W000261992
4 - Auto-darkening lens Assembly Advance 4500	W000402681
5 - Inside lens cover	W000261994
6 - Helmet Shell	Consult us
7 - Buttons, front lens holder (L/R)	W000276258

To order	
8 - Sweatband	W000402690
9 - Headgear FLEXTECH 1 (including sweatband)	W000402692
10 - Kit external grinding button	W000378989
11 - Spare batteries (CR 2450 lithium)	W000260920

Spare parts for GOLDENARK LS



	To order	
	1 - Front cover lens holder	W000386520
	2 - Front cover lens	W000386521
Ī	3 - LCD autodarkening cell	W000402683
	4 - Inside cover lens	W000386528
Ī	5 - Sweatband	W000402693
	6 - Headgear FLEXTECH 2 (including sweatband)	W000402694



Pure Stream is an initiative to help reducing the exposure of welding fumes to the welders.



PURE STREAM FUME MANAGEMENT IN 3 STEPS

- 1. Optimization
- 2. Ventilation & exhaust
- 3. Safe work practice and PPE

When used properly, the solutions proposed by **LINCOLN ELECTRIC** can significantly reduce the amount of fumes inhaled by welders.





GLOBAL SOLUTION TO REDUCE THE EXPOSURE TO WELDING FUMES

Where welding operations are concerned, safety is directly connected to air quality. **PURE STREAM** is not only a customized offer but also an initiative to reduce the exposure of welding fumes to the welders.





ZEPHYR LS / FLIP'AIR LS

The ultimate welder protection.

Discover a complete solution designed to protect welders in the most effective way.

With the ZEPHYR LS / FLIP'AIR LS solution, you will find in a rugged carry bag:

- ◆ The ZEPHYR or FLIP'AIR helmet,
- ◆ The ZEPHYR air flow system,
- ◆ A protected hose connection,
- ◆ A shoulder strap,
- ◆ A battery charger,
- ◆ An air flow-meter,

◆ One extra filter.



Helmet with powered and filtered airflow







Autodarkening LCD filters with wide vision field.

Filter Advance 4500 LS - Infotrack shade 3/8-13:

The top-of-the-range solution for any application:

4 adjustment modes from an LCD screen with digital keys:

- ◆ Welding: variable shades 8-13, 4 optical sensors, sensitivity regulation and return to a clear shade.
- Grinding: filter activation in clear shade level 3 (except on FLIP'AIR with its flip-up front filter).
- ◆ Cutting, low current welding: adjustable shades 5 to 8 for low intensity TIG process, microplasma, oxy-fuel gas welding...
- ◆"X mode": adjustable shade 3 to 8-13 with magnetic sensors for outside use or obscured arc welding

Infotrack system: provides useful information (current time - total welding time - alarm - temperature).



WARRANTY



The ZEPHYR LS / FLIP'AIR LS air flow system

- ◆ Air flow system: 2 flow rates (low 160 l/min and high 200 l/min).
- ◆ This equipment includes an indication of the chosen flow, an indication of the battery charge, and two alarms in case of flow insufficiency: a tone and a vibration. This is important for the welder who is often in a noisy environment. A specific system sends the tone through the hose to bring the sound to the welder.
- ◆ The belt, as well as the shoulder strap, is made in flame retardant material.
- ◆ The belt includes a cushion to ensure a high comfort level.
- ◆ Disconnecting the battery is easy with only one button to push. It is a lithium battery with an 8-hour lifetime duration. A stronger one can be put in place for special cases with 14-hour duration ±5% (on request). No need to fully discharge the Li-lon battery before recharging it.
- Opening the filter is simple by turning a quarter to the left.
 Two symbols indicate if it is locked or open, this is also indicated inside the filter box.

Hose connection and hose cap.

The connection between the flow system and the helmet is made via the hose. The connection with the air flow system is water proof. The helmet includes a quick connection allowing flexibility when the welder moves his head. The hose is protected with an outer covering (75% cotton, 25% Kevlar).





Flow circulation

You can choose between:

- ullet air flow from the top of the helmet $oldsymbol{1}$
- or a lateral flow coming from each sid at the mix level 2 (only for ZEPHYR),
- or a mix of these two solutions.
 These features ensure excellent welder



Inside, 3 kinds of filters can be included.

- One pre filter against the biggest particles
- ◆ One particle filter against the dust (> 0.3 micron)
- One carbon filter against the fumes and the odour.

The whole system is water proofed.



	ZEPHYR LS Advance 4500	FLIP'AIR LS 4500 i
Optical class	1/1/1/2	
Switching time light to dark	0.09	5 ms
Switching time dark to light	10 positions from 0.1 s to 1 s (setting per digital key)	
Delay setting	10 positions (setting per digital key)	
Mode Welding Grinding Cutting X mode* Infotrack system**	Yes shade 8 to 13 per digital key Yes shade 4 <i>(per external button) -</i> For FLIP'AIR flip-up LCD for grinding Yes shade 5 to 9 per digital key Yes Yes	
Sensors	4 independent optical sensors - Magnetic in «X» mode	
Viewing area	97 x 60 mm	
Constant UV/IR protection	Yes	
Battery type	2 lithium CR2450 3 Volts	
Mix power (battery/cell)	Yes	
Temperature scale	Use : -5 °C to +55 °C - Storage : -30 °C to +70 °C	
Weight	938 g (helmet) + 1760 g (air flow system)	
Standard	LCD filter: CE EN 379 - Helmet: CE EN 175	

 $^{^{\}star}$ X-mode: this mode allows welding in outdoor conditions or with very low arc current

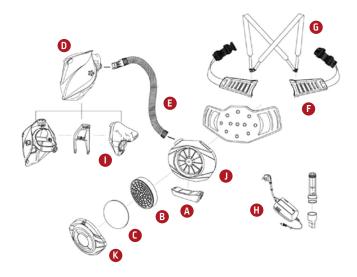
^{**} Infotrack system: provides useful information (current time - total welding time - alarm - temperature)

To order		
Package (helmet + airflow system + LCD filter)	W000403674	W000403675
LCD filter	W000402681	W000402682

List of spare parts : see page 18

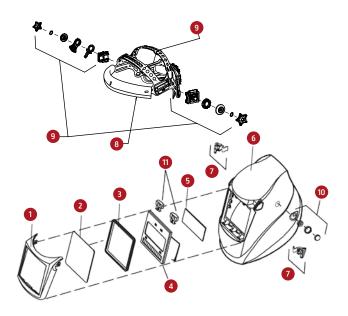


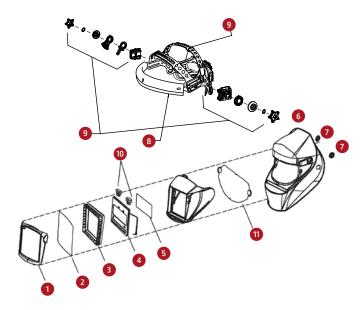
Spare parts for ZEPHYR LS / FLIP'AIR LS



ZEPHYR LS air flow system

To order	
A 8 hours battery (± 5%)	W000271210
A 14 hours battery (± 5%)	W000274379
B Particle filter P3	W000271208
C Pre filter	W000271207
Carbon filter (odours filter)	W000271209
ZEPHYR shell without lens	W000271212
E Hose 110 cm	W000271205
Hose protective cover	W000271206
F Comfort belt (size 70 - 113 cm)	W000271203
G Shoulder strap	W000271204
H Battery charger	W000271211
Green protection ZEPHYR	W000272540
Green protection FLIP'AIR	W000382676
J Motor	W000377929
K Filter cover	W000378987





ZEPHYR LS 4500

To order	
1 - Front Lens Holder	W000272828
2 - Outside Lens Cover	W000261993
3 - Gasket, Lens Assembly	W000261192
4 - Auto-darkening Lens Assembly Advance 4500	W000402681
5 - Inside Lens Cover	W000261994
6 - Helmet Shell	W000402494
7 - Buttons, Front Lens Holder (L/R)	W000276258
8 - Fabric Sweatband	W000402690
9 - Headgear FLEXTECH 1 (including sweatband)	W000402692
10 - Kit external grinding button	W000378989
11 - Spare batteries (CR 2450 lithium)	W000260920

FLIP'AIR LS

To order	
1 - Front Lens Holder	W000378990
2 - Outside Lens Cover	W000375551
3 - Gasket, Lens Assembly	W000382321
4 - Auto-darkening Lens Assembly Advance 4500	W000402682
5 - Inside Lens Cover	W000261994
6 - Helmet Shell	W000380263
7 - Buttons, Front Lens Holder (L/R)	W000382922
8 - Fabric Sweatband	W000402690
9 - Headgear FLEXTECH 1 (including sweatband)	W000402692
10 - Spare batteries (CR 2450 lithium)	W000260920
11 - Grinding cover kit	W000374799



RESPIRATORY PROTECTION

CLEANSPACE2™

A major innovation in personal respiratory protection a compact and lightweight power unit is cushioned around the back of the neck, counter-balancing the soft silicone low profile mask and providing fresh, clean air, on demand, as you breathe. This unique method of personal respiratory protection delivers significant benefits to workers in industry.



	CLEANSPACE2™
Comfort Air Flow Settings	3 levels
Maximum Air Flow	200 L/Min
Weight	Power Unit: 485G / Mask: 115 G
Audible Alarm At Ear	75 DB (A)
Life	Motor: 10 years / Battery: 3 years or 500 cycles
Automatic Switch-Off	3 minutes after idle
Internal Battery Duration	Min 4.5 hours (typically > 6 hours)
Internal Battery Charging Time	2 hours (to 95%)
Ac Adaptor Charger Input Range	100 – 240 V
Output Range	13.5 V



- ◆ Ergonomic design: compact with no trailing leads, cables or hoses.
- ◆ Patented micro-turbine toroidal motor generates airflow up to 200L/min with only one moving part.
- Provides positive pressure inside the mask, with an inbuilt pressure sensor that adjusts the air-flow to prevent contamination.

EASE OF USE

- ◆ Simple to fit and use.
- Changing filters is quick and intuitive.
- ◆ Easy to clean.
- ◆ Fast 2 hour charge.
- ◆ On a single charge up to 11 hours* operating time (*with CleanSpace2™ Endurance Pack).

RELIABLE PROTECTION

- ◆ Light silicone mask, ensures a good face seal for long periods.
- ◆ Robust, reliable micro-turbine motor (up to 10 years operating life).
- ◆ High efficiency pleated particulate filter will remove solid and liquid particles.

COMPATIBILITY



Welding & Safety Helmets



Goggles, Spectacles and Face Shields



Hearing Protection

To order	
CLEANSPACE2™ respirator unit*	W000386837
Silicon mask small	W000386838
Silicon mask medium	W000386839
Silicon mask large	W000386840
Particle filter P3	W000386841
Pre filter P3	W000386842
Battery charger	W000386843
Head support	W000386844
Large protecting neck	W000386846
Thin protecting neck	W000386847
Adaptor for filter	W000400236
P3 particle high capacity filter	W000400233
Filter A1P3	W000400234
Filter ABE1P3	W000400235

^{*} Composition: 1 power unit + 1 filter P3 + 1 charger + 2 protecting neck (thin & large) + 1 flow test cap + 1 storage bag + 1 harness



PASSIVE HANDSHIELDS

Light duty solutions

Hand TP

- ◆ Thermoplastic handshield.
- ◆ Medium resistance.

Single window 108 x 51 mm

To order W000335125

- Delivered without protection glass.
- ◆ Light weight: 332 gr.

Single window 98 x 75 mm

To order W000011121



Heavy duty solutions

Hand FG

◆ Polyester reinforced fibreglass.

◆ Excellent resistance to high temperatures (up to 400 °C) and to spatters.

- ◆ UV/IR protection shade 11.
- ◆ Excellent thermal and electrical isolation.
- ◆ Delivered without glass.
- ◆ Weight: 424 gr (without glass).

Window 105 x 50 mm

To order

W000372272

Window 110 x 90 mm

To order

W000372273



Hand FG (Sliding window)

- ◆ Reinforced fibreglass.
- ◆ Delivered without glass.
- ◆ Weight: 424 gr.

Sliding window 110 x 90 mm

To order

W000011123



EARPLUG

EN 352

◆ Box of 500 pieces.

- ◆ Without strings.
- To order W000010989 ◆ SNR 34 DB.

Technical description

◆ Non-irritating and hypoallergenic foam coating.





PASSIVE HELMETS

Light duty solutions

Helmet TP

◆ Thermoplastic helmet.

◆ Single window 108 x 51 mm, 98 x 75 mm or 110 x 90 mm.

◆ Adjustable "B" headgear.

◆ Delivered without glass.

♦ Weight: 420 gr.

Window 110 x 90 mm

To order

W000011113

Window 98 x 75 mm

To order

W000011114



Flip-up **WTP** helmet

To order W000374762







PASSIVE HELMETS

Heavy duty solutions

Helmet FG

◆ Reinforced fibreglass.

◆ High thermal resistance up to 400 °C.

Adjustable "B" headgear.Delivered without glass.

♦ Weight: 414 gr.

Flip-up helmet FG

◆ Reinforced fibreglass.

 ◆ High thermal resistance up to 400 °C.

◆ Adjustable "B" headgear.

◆ Delivered without glass.

♦ Weight: 574 gr.

Flip-up window 105 x 50 mm

To order W000372271



Flip-up window

To order W000010804

105 x 50 mm

Multi Flip-up

- ◆ Lightweight welding helmet.
- ◆ Optimal use/comfort.
- ◆ Long lifetime.
- Headgear with rack, rugged and very comfortable.
- ◆ Complete with headgear, sweat band, 2 flip-up lensholder welding lens.
- ◆ Shade 10.



PASSIVE LEATHER HELMETS

Leather helmets for welding operations in difficult access places, dedicated to short time applications and control.

Folding leather helmet

- ◆ Grain leather.
- Folding model, ideal for supervisors.
- ◆ Very light (120 grammes).
- ◆ Delivered with 105 x 50 mm shade 11 glass.

Window 105 x 50 mm

To order

W000011115

Flip-up leather helmet



SPARE PARTS

Adjustable type "A" headgear



To order W000335158

To order

W000010884

Leather protection for the neck

- Grain leather.
- Fixation with adhesive band.
- Protection of the neck against arc.

To order W000335139



Sweat band



To order W000260486

Adjustable type "B" headgear

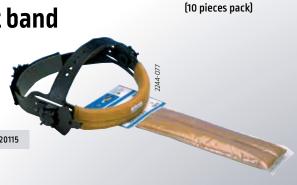


Comfort sweat band

Foam band For WELDLUX helmet.

- ◆ Fabric band covered with foam.
- ◆ Velcro closing.
- ◆ Fire-retardant.





WELDING GLASSES

WELDGLASS

Choose the lens shade adapted to your working conditions.

Clear glasses EN 166 Coloured glasses EN 169

Current (A)	Coated electrodes	MIG Heavy metals	MIG Light alloys	MAG	TIG	Gouging	PLASMA Cutting	PLASMA Welding
1								
2.5								6
5					8			7
10								8
20	8				9			9
30	9 -				10			10
40					10			11 —
60	10			9	11			
80	10						11	12 —
100		10		10	12			12
150	11	11 -	11	11		10 -		
175				"	13	10		13 —
200			12	12	15	11 -	12	
225	12	12	12	12			12	
250	12	12		13 -		12 -		
300			13	15		12		
350						13	13	14
400	13	13		14	14	14		
450	15	15	14			14		
500								
	14	14	15	15		15		15









WELDING GLASSES

WELDGLASS

Filtering coloured glasses

DIMENSIONS 105 x 50 mm								
Skin pack	Вох							
5 pieces	W000335009	5	W000010915	100 pieces				
5 pieces	W000335010	6	-	100 pieces				
5 pieces	W000335011	7	W000010917	100 pieces				
5 pieces	W000335012	8	W000010918	100 pieces				
5 pieces	W000335013	9	W000010919	100 pieces				
5 pieces	W000335014	10	W000010920	100 pieces				
5 pieces	W000335015	11	W000010921	100 pieces				
5 pieces	W000335016	12	W000010922	100 pieces				
- F nincoc	W00022E017	10	Woonnanaa	100 nincoc				

DIMENSIONS 110 x 90 mm								
Skin pack		Shade		Box				
5 pieces	W000335035	5	W000010927	100 pieces				
5 pieces	W000335036	6	W000010928	100 pieces				
5 pieces	W000335037	7	-	100 pieces				
5 pieces	W000335038	8	W000010930	100 pieces				
5 pieces	W000335039	9	W000010931	100 pieces				
5 pieces	W000335040	10	W000010932	100 pieces				
5 pieces	W000335041	11	W000010933	100 pieces				
5 pieces	W000335042	12	W000010934	100 pieces				
5 pieces	W000335043	13	W000010935	100 pieces				

SILVER protane® glasses

Skin pack	Dimensions 105 x 50 mm	Shade	Dimensions 133 x 114 mm	Skin pack	Dimensions 98 x 75 mm
5 pieces	W000335025	9	W000335063	5 pieces	W000335173
5 pieces	W000335026	10	W000335064	5 pieces	W000335174
5 pieces	W000335027	11	W000335065	5 pieces	W000335175
5 pieces	W000335028	12	W000335066	5 pieces	W000335176
5 pieces	W000335029	13	W000335067	5 pieces	W000335177

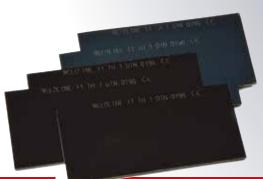
The SILVER PROTANE • glasses will prove their efficiency in all welding operations where the arc heat causes discomfort. The SILVER PROTANE® filter with a gold mirror coating reflects an additional 90% of the infrared radiation and reduces the amount of heat the eyes are exposed to.

- ➤ less irritation and therefore less tiredness,
- ➤ more precision and better quality work,
- ➤ more comfort and better working conditions.

Protection glass or plate CR-39®

EN 166

EN 169 - EN 166



EN 169 - EN 166

DIMENSIONS 98 x 75 mm							
Skin pack		Shade		Box			
5 pieces	W000335089	5	W000010939	100 pieces			
5 pieces	W000335090	6	W000010940	100 pieces			
5 pieces	W000335091	7	W000010941	100 pieces			
5 pieces	W000335092	8	W000010942	100 pieces			
5 pieces	W000335093	9	W000010943	100 pieces			
5 pieces	W000335094	10	W000010944	100 pieces			
5 pieces	W000335095	11	W000010945	100 pieces			
5 pieces	W000335096	12	W000010946	100 pieces			
5 pieces	W000335097	13	W000010947	100 pieces			

DIMENSIONS 108 x 51 mm							
Skin pack		Shade		Box			
5 pieces	W000335047	5	-	-			
5 pieces	W000335048	6	W000010952	100 pieces			
5 pieces	W000335049	7	W000010953	100 pieces			
5 pieces	W000335050	8	W000010954	100 pieces			
5 pieces	W000335051	9	W000010955	100 pieces			
5 pieces	W000335052	10	W000010956	100 pieces			
5 pieces	W000335053	11	W000010957	100 pieces			
5 pieces	W000335054	12	W000010958	100 pieces			
5 pieces	W000335055	13	-	-			

Circular glasses diameter 50 mm

Shade	Skin pack - 10 pieces	Box - 100 pieces
5	W000335085	-
6	W000335086	W000010937
7	W000335087	-
8	W000335088	-
Clear	-	W000010979

Magnifying glass EN 166

0	Diopter	108 x 51 mm or 105 x 50 mm
	+ 1.0	W000335031
	+ 1.5	W000335032
	+ 2.0	W000335033
	+ 2.5	W000335034

For some precision welding, magnifying the work zone is necessary. These lenses must be used with coloured filtering glasses.

These magnifying glasses can be used with CHAMELEON 4V+, EUROLUX LS and GOLDENARK LS helmets (see pages 10 - 13).

Dimensions	Clear gla	ss (EN 166)	Protection plate CR-39® (EN 166)		
	Skin pack - 5 pieces	Box - 100 pieces	Skin pack - 5 pieces	Box - 150 pieces	
98 x 75 mm	W000335098	W000010950	W000335100	W000335099	
105 x 50 mm	W000335018	W000010926	W000335020	W000335019	
108 x 51mm	W000335056	W000010962	W000335058	W000335057	
110 x 90 mm	W000335044	W000010938	W000335046	W000335045	
133 x 114 mm	W000335069	-	W000335071	W000335070	



[&]quot;Test SILVER PROTANE® and weld cool".

GOGGLES

Choice criteria

Goggles are mainly used to protect the eyes against the light produced by flame welding or cutting or against mechanical particles (grinding for example).

Our products are classified in 3 categories:

- ◆ Welding range
- ◆ Protection range
- ◆ Grinding masks

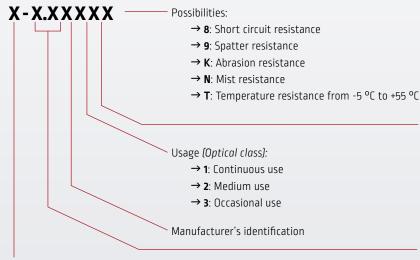
Verify that the product is conform with the EN standards (CE marking confirms conformity)
Main EN Standards are:

- ◆ EN 166 for basic conditions
- ◆ EN 169 for welding filters
- ◆ EN 170 for UV filters
- ◆ EN 171 for IR filters
- ◆ EN 172 for sunglasses filters
- ◆ EN 175 for personal eye-protection during welding

Marking of the frame:

- ◆ EN 166 standard
- ◆ Resistance to impact: → A: High energy impact
 - → **B**: Medium energy impact
 - → **F**: Low energy impact
 - → S: Increased strength

Lens marking:



Resistance to impact:

- → A: High energy impact
- → **B**: Medium energy impact
- → F: Low energy impact
- → S: Increased strength

Filter identification code

- → UV: 2 or 3
- → IR: 4
- \rightarrow Sun: **5** or **6**
- → Welding: 4 to 7 (see chart)

Welding scale							
		q = acetylene flow rate I/h					
		q ≤ 70 70 < q ≤ 200 200 < q ≤ 800 q > 800					
Flame welding Brazing and soldering		4	5		6	7	
	q = acetylene flow rate I/h						
	900 ≤	0 ≤ q ≤ 2 000				q ≤ 8 000	
Oxy-cutting		4	6 7		7		

Numerical filter scale (protection level)

- → UV: 1.2 to 5
- → Infrared (IR): **1.2** to **10**
- \rightarrow Sun filters: 1.1 to 4.1
- → Welding filters: 4 to 14 Caution: Goggles can not be used for arc welding > 7 due to UV, IR and skin protection requirements. (recommendations of welding filter glass can be seen on page 21)

Round replacement lenses for the PILOT range

Round lenses in mineral glass Ø 50 mm.

Shade	Skin pack - 10 pieces	Box - 100 pieces	
5	W000335085	W000010925	EN 166 + EN 169
6	W000335086	W000010937	EN 166 + EN 169
7	W000335087	W000010949	EN 166 + EN 169
8	W000335088	-	
Clear	-	W000010979	EN 166 + EN 169



GOGGLES / SPECTACLES

Welding range

PILOT FLIP UP





PILOT 1

- One piece soft black PVC frame allowing quick lens replacement.
- ◆ Elastic headband.





EN 175

- Double cup black plastic frame with nose bridge adjustment.
- ◆ Side ventilation value.
- Adjustable elastic headband.
- ♦ Weight: 65 g.

Shade 5

To order

W000011052

PILOT EVEREST

W000011048

- Standard black spectacles with foldable polyamide side shields and frame.
- Central screw for quick lens replacement.
- ♦ Weight: 70 g.

To order



PILOT 1 PLASTIC

- One piece soft black PVC frame allowing quick lens replacement.
- ◆ Elastic headband.
- Aerated side covers honeycombed casing for good ventilation and to prevent from lens dimming.



GOGGLES / SPECTACLES

Welding range

CLASSIC OVER WELDING

- Over spectacles.
- ◆ Polycarbonate.
- ◆ Lateral protection.
- ◆ Protection against high-speed particles low energy.
- ◆ Protection against high-speed particles at extreme temperatures.
- Resistance to surface damage by fine particles.
- ◆ Weight: 37 g.



FASHION WELDING

- ◆ Spectacles.
- ◆ Polycarbonate.
- Protection against high-speed particles low energy.
- Protection against high-speed particles at extreme temperatures.

EN 166 - EN 167 - EN 168 -

EN 169 - EN 175

- ◆ Resistance to fogging of oculars.
- Resistance to surface damage by fine particles.



CLASSIC WELDING

- ◆ Anti-scratch surface.
- ◆ Nylon frame and side shields.
- ◆ Changeable polycarbonate lenses.



Box of 20 tainted lenses (shade 5)

To order

W000376663

Protection range

EN 166

CLASSIC OVER VISIT

- Panoramic spectacles also usable as over spectacles.
- Polycarbonate lens and frame.
- Protection against high-speed particles low energy.
- Protection against high-speed particles at extreme temperatures.



CLASSIC VISIT CLEAR

- ◆ Anti-scratch surface.
- Nylon frame and side shields.
- ◆ Changeable polycarbonate lenses. ◆ Central screw for quick lens replacement. ♦ Weight: 35 g. Clear W000011057 To order

Box of 20 transparent lenses

To order



GOGGLES / SPECTACLES

Protection range FASHION VISIT Impact resistant. Polycarbonate single lens. Sports and ergonomic design. Weight: 22 g. Clear To order W000011062



Grinding masks

EN 166

FIRST

- ◆ Anti-scratch polycarbonate lens.
- ◆ Direct ventilation.
- Adjustable elastic headband.
- ♦ Weight: 75 g.

Clear

To order

W000011068



STAR

- Anti-scratch and anti-mist treated with adjustable elastic headband.
- ◆ Soft foam for better adherence to the user's face.
- ♦ Weight: 55 g.

Clear

To order

W000011070



OVER



- \bullet 180° field of vision.
- Durable and adjustable elastic headband.
- ◆ Indirect ventilation.
- ◆ Anti-mist and anti-scratch treated and wearable as over spectacles or with a respiratory mask.
- ♦ Weight: 85 g.

Clear

To order



Standards:

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

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

Composition:

- Jacket: split leather, grain leather
- Apron, Sleeves and Gaiters: split leather, grain leather

Use:

Jackets, Apron, Sleeves and gaiters are clothes for welders in Class 2 suitable for use during manual welding techniques in which major drops and splatters are formed, such as, for example: MMA welding (with basic electrode or covered with cellulose), MAG welding (CO_2 or mixed gases), MIG welding (with high current), welding with flux cored wire, plasma cutting, trimming, oxygen cutting, thermal spray painting, and operation of machinery, for example, in tight spaces, welding and cutting in overhead or similar positions, or in narrow spaces.

The garment protects accidental contact with small flames, splattered molten metal, radiating heat and brief accidental electrical contact. Not meant for any other type of protection than the use described above. The manufacturer will not be held responsible for any damage that could occur from such practices.

Gaiters

Gaiters in split leather fastened with straps or with leatherband. Gaiters are used to protect the bottom of the trousers and shoes from sparks and heat generated during welding and grinding operations. Width 30cm.

Technical description:

The gaiters are manufactured in four pieces that are stitched together, completed with adjustable leather belt or velcro strap and under-strap to secure the shoes.

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



To order W000404081

To order



Short and long sleeves

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





Technical description

- Entirely in split leather tanned with chromium salts (mineral substances).
- Fixed with leather straps.
- \bullet Tightening elastic to the wrists.
- ◆ Single size.

Protective limits

- Due to the presence of the securing straps the sleeves should not be worn when using machinery with moving or rotating parts, without additional protection.
- The sleeves are not heat resistant and should not be exposed either to convective or radiated heat sources.
- The sleeves are not meant for any other type of protection than the use described above. The manufacturer will not be held responsible for any damage that could occur from such practices.

Maintenance and storage

- Recommended storage: a safe dry well ventilated area that is not exposed to direct light.
- ◆ To clean use soap and water to a maximum temperature of 60 °C.
- ◆ Do not use any type of bleach, dry clean, (perchloride enthymeme) tumble driers or sharp and abrasive cleaning products.
- Maximum 30 wash cycles.



Grain leather apron

This apron is designed to protect clothes from welding spatters and grinding particles.

Technical description

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

Protective limits

- ◆ Due to the presence of the securing straps, the apron should not be warn when using machinery with moving or rotating parts, without additional protection.
- The apron is not heat resistant and should not be exposed either to convective or radiated heat sources.
- ◆ The apron is not meant for any other type of protection than the use described above. The manufacturer will not be held responsible for any damage that could occur from such practices.

Maintenance and storage

- Recommended storage: a safe dry well ventilated area that is not exposed to direct light.
- ◆ To clean use soap and water to a maximum temperature of 60 °C.
- Do not use any type of bleach, dry clean, [perchloride enthymeme] tumble driers or sharp and abrasive cleaning products.
- Maximum 30 wash cycles.



Split leather apron

This apron is designed to protect clothes from welding spatters and grinding particles.

Technical description

- ◆ Protective welding apron in premium grade split leather tanned with chromium salts (mineral substances)
- ◆ Leather or cotton strap with quick release clips to the waist and flap.

Protective limits

- Due to the presence of the securing straps the apron should not be warn when using machinery with moving or rotating parts, without additional protection.
- ◆ The apron is not heat resistant and should not be exposed either to convective or radiated heat sources.
- ◆ The apron is not meant for any other type of protection than the use described above. The manufacturer will not be held responsible for any damage that could occur from such practices.

Maintenance and storage

- Recommended storage: a safe dry well ventilated area that is not exposed to direct light.
- ◆ To clean use soap and water to a maximum temperature of 60 °C.
- ◆ Do not use any type of bleach, dry clean, [perchloride enthymeme] tumble driers or sharp and abrasive cleaning products.
- ◆ Maximum 30 wash cycles.

Split leather apron fastening with rapid connection, measures 900x600 mm.

To order

W000404087

Split leather apron with eyelets and fabric laces, measures 900x600 mm.

To order W000404088





◆ Length: 1100 mm.

Leather straps,

closing by clips

To order





Split leather welding jacket

Split leather jacket, comfortable, fastened with snap buttons covered by leather, pocket inside, elastic at the wrist.

Welding jacket in split leather are designed to protect the upper body of the user from fine welding spatters and grinding particles.

Technical description

• 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.

• Tightening elastic to the wrists.

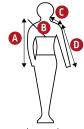
- Finished in red trim.
- Length: +/- 780 mm.
- Available sizes: S, M, L, XL, 2XL, 3XL, 4XL and 5XL.

To order					
Size S	W000404090-S (On demand)				
Size M	W000404090-M (On demand)				
Size L	W000404090-L				
Size XL	W000404090				
Size 2XL	W000404091				
Size 3XL	W000404090-3XL (On demand)				
Size 4XL	W000404090-4XL (On demand)				
Size 5XL	W000404090-5XL (On demand)				

Button closure under flap



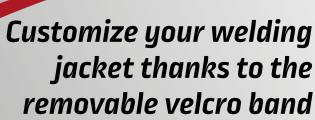
Important: choose your size with the hereunder table (cm)



EU size	A	B	G	O
S	64.5	116	44.5	61.5
М	67.0	120	47.0	62.5
L	69.5	124	49.5	63.5
XL	72.0	128	52.0	64.5
2XL	74.5	133	53.5	66.0
3XL	77.0	137	55.0	67.5
4XL	79.5	141	56.5	69.0
5XL	82.0	145	58.0	70.5

Breathable







LEATHER CLOTHES

Welding grain leather jacket



See page 34 for sizes

logo, name, message of your choice*.

SAFETY SHOES FOR WELDING

WELDLINE safety shoes

- Our safety shoes always include a toe protection (in steel or in other material with a resitance > 200J).
- ◆ The European directive 89/686/ EEC recommends the wearing of safety shoes for workers.
- Weldline proposes products with toe protection only (>200 J) that can be in steel, aluminium or in fiberplast and with an antipuncture plate in steel or in fibre textile.
- ◆ The standard EN ISO 20345 includes several levels.

	Toe protection	Shock absorber	Antistatic plate	Antipuncture plate	Water resistant
Safety level			*		
SPB	✓			✓	
S1	✓	✓	✓		
S2	✓	1	✓		✓
S1P	✓	1	✓	✓	
S3	✓	✓	✓	✓	✓

The criteria of choice are:

- 1 Levels of protection as indicated above
- 2 High or low shoes
- 3 Upper in:
 - ◆ full-grain leather (water resistant),
 - split leather,
 - fabric (non water resistant),
 - pigmented split leather.
- 4 Outsole:
- PU+PU (dual density polyurethane lightweight),
- PU+TPU (lightness and flexibility + more strength of the thermoplastic polyurethane),

PU/PU

PU/PU

- ◆ PU + nitrile rubber for extreme temperatures (up to 300 °C).
- 5 Antipuncture midsole:

Steel

Non metallic

- in steel,
- non metallic for more comfort.
- 6 Toe protection:
 - ◆ steel,
 - aluminium (30% lighter),
 - fiberplast (extra lightweight).

SUPER FORJA & SUPER FORJA METAL FREE



◆ The best performance for a reasonable price, fulfilling the most stringent safety

36 | W0003:

Safety level | Toe protection | Antipuncture plate

Steel

Plastic

• Extra thick, antispark, waterproof leather.

footwear technical regulations and quality

- Resistant, agile, comfortable and safe footwear.
- Ergonomic last and Shock Absorber outsole.
- ◆ Anti-static sole.

controls.

53

S3

- Extra padded collar for additional comfort.
- Very breathable lining, resistant to abrasion and wear and tear.

Size	Super Forja	Super forja metal free
36	W000376225*	W000376200*
37	W000376226*	W000376201*
38	W000376229*	W000376202*
39	W000376230*	W000376203*
40	W000376231	W000376204
41	W000376232	W000376206
42	W000376233	W000376215
43	W000376234	W000376216
44	W000376235	W000376217
45	W000376236	W000376218
46	W000376237*	W000376219*
47	W000376238*	W000376220*
48	W000376239*	W000376221*

Upper

Full-grain leather

Full-grain leather

*On demand

ULYSSE TOTALE & FUSION TOTALE

Model	Safety level	Toe protection	Antipuncture plate	Outsole	Upper
Ulysse Totale	S 3	Steel	Non metallic	PU/Nitrile rubber	Full-grain leather
Fusion Totale	S 3	Steel	Non metallic	PU/Nitrile rubber	Full-grain leather



- The over-sized exterior flap provides extra protection against small splashes of molten metal
- Top-quality full-grain leather, extra thick, waterproof.
- Anti-torsion outsole, resistant to oils and hydrocarbons.
- Extraordinary strength and durability.
- Especially wide last, does not restrict foot.
- \bullet Extra padding for additional comfort.
- ◆ Extra resistant and long-lasting.
- ◆ Anti-static sole.
- Very breathable lining, resistant to wear and tear
- ◆ Anti-heat sole.

Size	Ulysse Totale	Fusion Totale
36	W000376253*	W000376240*
37	W000376254*	W000376241*
38	W000376255*	W000376242*
39	W000376256*	W000376243*
40	W000376257	W000376244
41	W000376258	W000376245
42	W000376259	W000376246
43	W000376260	W000376247
44	W000376261	W000376248
45	W000376262	W000376249
46	W000376263*	W000376250*
47	W000376264*	W000376251*
48	W000376265*	W000376252*
		*0 - 1 1

*On demand



SAFETY SHOES FOR WELDING

PANTER-FUSION 49 S3

YOUR SAFETY IN STURDY, COMFORTABLE AND STYLISH WELDING SHOES

Safety boots with special cuff for welding protection. Produced from extra thick full grain leather, breathable and fireproof. Protects against high temperatures, additionally extraordinary strength and durability.



Standard Level of protection

S3+WG+Hi1+Ci+HRO+AN

EN ISO 20345 EN ISO 20349

PANTER FUSION 49 S3						
Size 36	W49S3T36	Size 43	W49S3T43			
Size 37	W49S3T37	Size 44	W49S3T44			
Size 38	W49S3T38	Size 45	W49S3T45			
Size 39	W49S3T39	Size 46	W49S3T46			
Size 40	W49S3T40	Size 47	W49S3T47			
Size 41	W49S3T41	Size 48	W49S3T48			
Size 42	W49S3T42					









Natural full grain leather combining Maximum Hydrofugation and **Flameproof Treatment**

- Thick and resistant to tear
- Seams made with flame retardant wire
- Resistant to flame and splashes of molten metal
- Design, yarns, fiber and engeenering complying with EN ISO 20349









PU + High Temperature (300 °C) Nitrile rubber

- Resistance to heat contact up to 300 °C
- Resistant to oils and hydrocarbons
- Resistant to abrasion effective cold and extreme hot insulation
- Electrically insulating
- Special anti-slip design and system of energy absorption in the heel





- Impact resistant to over 200 joules
- Extra wide
- Very light
- Elastic memory
- Eletrically insulating
- Maximum EN ISO 20345 Certification

Puncture Proof Non-Metallic

- Extraordinary flexible and light
- Self molded to the natural shape of the foot without rigidity
- Comfort and protection
- Zero Penetration
- Super Flexible and light
- Maximum EN ISO 20345 Certification



Heat resistant

Antifungal

Antistatic

Antibacterial

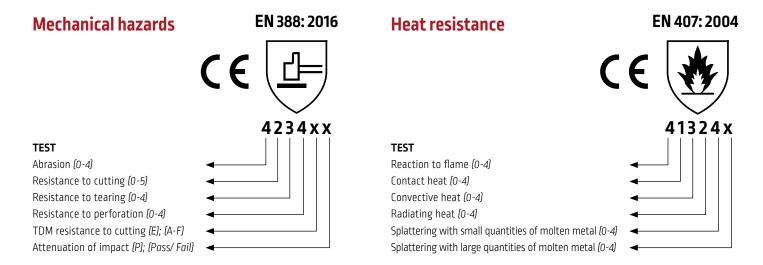
GLOVES

YOUR SAFETY IN PREMIUM QUALITY GLOVES AT A FAIR PRICE

Our gloves are made with leather that have passed specific tests, for thermal and electrical risks. They are considered heat resistance. You can hold a 100-degree hot piece in your hand for 15 seconds.

The Personal Protection Equipment protects against risks deriving from operations involving welding operations and related procedures, (CLASS 2) suitable for manual welding techniques with strong formation of splashes and drops such as: MMA welding (with base electrode or cellulose coated), welding MAG (mixed CO2 or gas), MIG (high current) welding, cored wire welding, plasma cutting, gouging, oxygen cutting, thermal spray painting, and for the operation of machines, for example in limited spaces for welding and cutting in overhead or similar position, in forced positions.

European standard marking gloves:



An index of ${\bf x}$ indicates that the glove has not been tested for this type of risk.



PROTECTION GLOVES

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.

To order			
Size 9	WG-MIG-1-CE-T9		
Size 10	WG-MIG-1-CE		
Size 11 WG-MIG-1-CE-T11			

Glove properties









Molten metal splashes



Usage recommendation:

MIG-MAG / MMA

European Standard of gloves

UNI EN 420: 2013+A1:2009 **UNI EN 388:** 2016 **UNI EN 407:** 2004 **UNI EN 12477:** 2001+A1:2005

MIG UNIVERSAL COMFORT +



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

To order			
Size 9	WG-MIG-2-CE-T9		
Size 10	WG-MIG-2-CE		
Size 11 WG-MIG-2-CE-T11			

Glove properties









Molten metal splashes



Usage recommendation:

MIG-MAG / MMA

European Standard of gloves

UNI EN 420: 2013+A1:2009 **UNI EN 388:** 2016 **UNI EN 407:** 2004 **UNI EN 12477:** 2001+A1:2005



PROTECTION GLOVES

MIG IRON PROTECT





The MIG IRON PROTECT gloves are designed for a high level of protection of the hands during normal welding applications in MMA/MIG/MAG processes.

Glove properties









Molten metal splashes



Usage recommendation:

MIG-MAG / MMA

European Standard of gloves

EN 420: 2009 3 EN 388: 2016 4 2 3 4 x x EN 407: 2004 4 1 3 2 4 x EN 12477: 2001 + A1 2005

MIG IRON PROTECT +

To order			
Size 10 WG-MIG-4-CE			
Size 11	WG-MIG-4-CE-T11		



The MIG IRON PROTECT+ gloves are designed to protect for high level of protection of the hands during normal welding applications in MMA/MIG/MAG processes. The natural grain leather palm gives extra sensitivity.

Glove properties









Molten metal splashes



Usage

recommendation:

MIG-MAG / MMA

European Standard of gloves

UNI EN 420: 2013+A1:2009 UNI EN 388: 2016 UNI EN 407: 2004 UNI EN 12477: 2001+A1:2005



WELDING GLOVES

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 favorite gloves of TIG welders.

Goat leather.

Glove properties

Heat resistance









Molten metal splashes



To order Size 8 WG-TIG-8-CE WG-TIG-9-CE Size 9 Size 10 WG-TIG-10-CE WG-TIG-11-CE Size 11

Usage recommendation:

TIG

European Standard of gloves

UNI EN 420: 2013+A1:2009 **UNI EN 388:** 2016 **UNI EN 407:** 2004 **UNI EN 12477:** 2001+A1:2005

STOPCALOR ALU



The STOPCALOR ALU gloves are designed for a high level of protection of hands during heavy welding applications.

COMFORT: the Split leather and the cotton fl eece lining which increases the glove's thermal insulation. **RESISTANCE:** the aluminised Kevlar® textile back off ers strong resistance to heat, radiation and small splashes of molten metal. **SAFETY:** the split leather cuff helps to protect a large part of the forearm against mechanical hazards.

Glove properties

Heat resistance





Abrasion resistance





Dexterity

★★★☆☆

Molten metal splashes



MIG-MAG / MMA

recommendation:

Usage

European Standard of gloves

EN 420: 2003 5 **EN 388:** 2003 3143 x x **EN 407:** 2004 41344 x **EN 12477:** 2000 typeA

Accessories: Thermal screen

MIG/MAG and MMA welding processes. 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 aluminized side reflects 95% of radiant heat.
- Double Kevlar thread seams.
- ◆ Delivered by 2 pieces.

EN 532





PROTECTIVE GLOVES

DOCKER

The DOCKER protective gloves are designed in a high quality with reinforced fingers for an increased life span.

Technical description

- DOCKER protective handling gloves.
- ◆ Palm in grain leather tanned with chorium salts (mineral substances).
- ◆ Cotton back.
- ◆ Fabric cuff.
- Elastic tightening glove back.

Standards and levels of protection

- ◆ These gloves have been examined by a competent CE organisation.
- ◆ Safety comfort and dexterity level = 5.

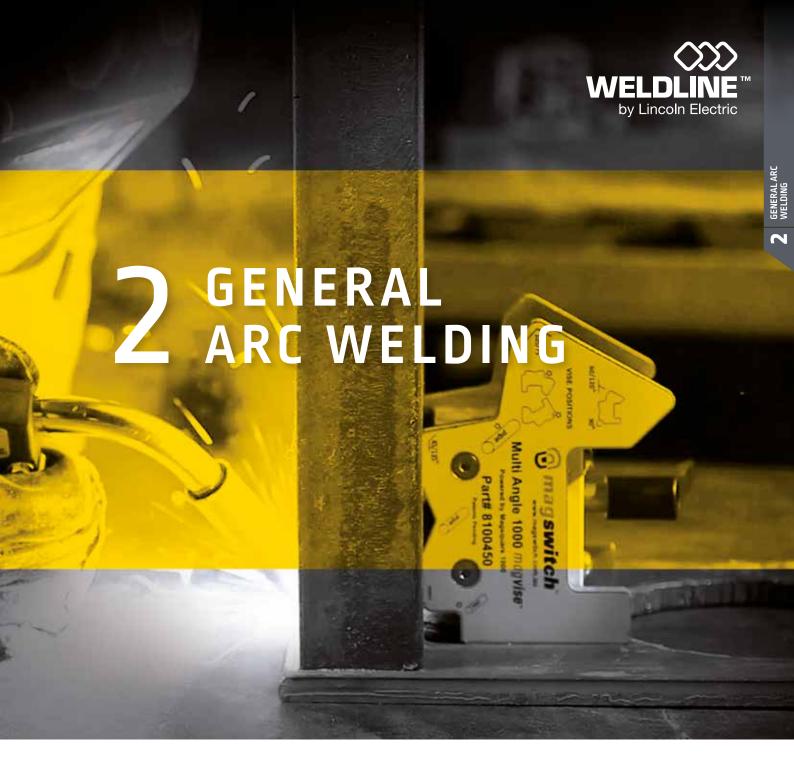
Limits of protection

• For use in a dry environment against mechanical risks.









WELDING TOOLS AND ACCESSORIES

◆ Cables and connectors	44 — 45
◆ Clamps	46 — 47
◆ Magnetic ground clamps	48 — 49
◆ Hammers / brushes	50
◆ Tools	51
• Accessories / Markers	52



CABLES AND CONNECTORS



The different types of cable

Primary cables:

Three core for single phase or four core for three phase requirement. The current indication is the maximum accepted to be conform to the 287 IEC recommendation.

Standard: H07RN-F

Secondary cables:

A single copper core between the power source and the clamp as well as between the power source and the electrode holder. The current indication is the maximum accepted to be conform to the 287 IEC recommendation.

For length over 10 meters, the section has to be increased.

For secondary cables, the European directive (2006/95/EC-low voltage directive) imposes the conformity to one of these two standards. It means that, for safety reasons (resistance to welding hot projections), PVC cables must not be used as welding cables, because they do not meet the standards' requirements.

Standard: H01N2-E extra flexible

Standard: H01N2-D flexible

Reference documents:

- H07RN-F standard for primary cables
- H01N2-E and H01N2-D standards for secondary cables
- Harmonized standard CENELEC HD 516 S2: 1997 / HD 22.6
- § 4.4.5 Document change through amendment A1: 2003
- Communication in the framework (01/02/2005) of the low voltage directive





CABLES AND CONNECTORS

Primary cables

H07RN-F

Ø Pmm²	A maxi *	To order Linear meter
3 x 1.5 mm ²	16 A	W000010098
3 x 2.5 mm ²	20 A	W000010099
4 x 2.5 mm ²	20 A	W000010100
4 x 4 mm ²	30 A	W000010101
4 x 6 mm²	37 A	W000010102
4 x 10 mm ²	52 A	W000010103
4 x 16 mm ²	69 A	W000010104
4 x 25 mm²	92 A	W000010105
4 x 35 mm ²	114 A	W000010106

^{*} According EN 50565-1 (2014) - For a 60 $^{\circ}$ C temperature fthe core and an ambient temperature: 30 °C



Push and twist design



EN 60974-12

Description	Ø : mm²	A maxi *	To order Linear meter
	10-25 mm ²	200 A	W000010559
1 - Male	35-50 mm ²	400 A	W000010560
	70-95 mm ²	600 A	W000010561
	10-25 mm ²	200 A	W000010562
2 - Female	35-50 mm ²	400 A	W000010563
	70-95 mm ²	600 A	W000010564
Male + Female	35-95 mm ²	600 A	W000010641

Secondary cables

Extra flexible (H01N2-E) - Flexible (H01N2-D)

Ø mm²	A maxi		Extra flexible (H01N2-E)		kible N2-D)	
	at 100%	at 60%	at 35%	Linear meter	Coil 50 m	Linear meter
16 mm²	135 A	139 A	150 A	W000010137	W000260274	W000260272
25 mm²	180 A	190 A	213 A	W000010138	W000260275	W000260273
35 mm²	225 A	243 A	279 A	W000010139	W000260276	W000260271
50 mm²	285 A	316 A	371 A	W000010140	W000260277	W000260270
70 mm²	355 A	403 A	482 A	W000010141	W000260278	W000260269
95 mm²	430 A	498 A	606 A	W000010142	W000260279	W000260268
120 mm²	500 A	587 A	721 A	W000010143	-	-

^{*}According EN 50565-1 (2014) - For an ambient temperature: 25 °C

Cables lugs



- ◆ Screw type
- ◆ Diameter: 11 mm
- ◆ Cable: 0-25 mm²

To order W000010094



- ◆ Screw type
- ◆ Diameter: 14 mm
- ◆ Cable: 25-35 mm²

W000010095 To order



- ◆ Screw type
- ◆ Diameter: 14 mm
- ◆ Cable: 35-50 mm²

To order W000010096



- ◆ Screw type
- ◆ Diameter: 16 mm
- ◆ Cable: 50-70 mm²

To order W000010640

- ◆ Screw type
- ◆ Diameter: 16 mm
- ◆ Cable: 70-100 mm²

To order W000335165





The choice of a clamp follows several criteria.

It firstly depends on the maximum amperage you are using.

Then, the kind of contact is important. For light duty or normal use, steel clamps **HIPPO** type, or brass clamps **CROCODILE** type are perfect. For heavy duty or intensive use, you can choose **MUSCLOR**, **DRAGON** or **SERRE-JOINT** types.

Lastly the **MAGNETIC** type is ideal for large component parts and the **ROTARY** for heavy use where the cable turns around the clamp.

Clamp for normal use

Choice criteria	A maxi	Jaw opening (mm)
HIPPO 200	200	38
HIPPO 400	400	50
HIPPO 600	600	50
CROCODILE 300	300	38
CROCODILE 600	600	38

HIPPO 200 / 400 / 600



Customer's benefit:

◆ Economical steel clamps.

HIPPO 200		HIPPO 400)	ŀ	HIPPO 600)
To order	W000010579	To order	W000010580		To order	W000010597

Technical characteristics:

	HIPPO 200	HIPPO 400	HIPPO 600
Amperage	200 at 35%	400 at 35%	600 at 35%
Cable Ø (mm²)	25	70	70
Weight	208 g	362 g	376 g



CROCODILE 300 / 600



Customer's benefit CROCODILE 300:

- \bullet Brass clamps.
- ullet Brass jaws.

Customer's benefit CROCODILE 600:

◆ Very good contact surface.

CROCODILE 300

To order W000010577

CROCODILE 600

To order W000010578

	CROCODILE 300	CROCODILE 600
Amperage	300 at 35%	600 at 35%
Cable Ø (mm²)	50	95
Weight	405 g	634 g







MAGNETIC 500 / 600



Customer's benefit:

- ◆ Large surface contact.
- ◆ Can be placed close to the welding position insuring good electrical contact.

MAGNETIC 500

To order	W000010553
To order	W000010553

MAGNETIC 600

To order W000010554

Technical characteristics:

	MAGNETIC 500	MAGNETIC 600
Amperage	500 at 35%	600 at 35%
Cable Ø (mm²)	70	95
Weight	815 g	1722 g

Clamp for bulky parts

Choice criteria	A maxi	Jaw opening (mm)
MAGNETIC 500	500	N/A
MAGNETIC 600	600	N/A
ROTARY 800	800	82
ECR 1500-1	1500	N/A



2 x 95

3319 g

Cable Ø (mm²)

Weight

ECR 1500-1

Customer's benefit:

 ◆ Rotating clamps for heavy duty works in submerged arc welding.

To order	W000374086

Technical characteristics:

	ECR 1500-1
Amperage	1500 at 100%
Weight	2614 g

Clamp for heavy duty use

Choice criteria	A maxi	Jaw opening (mm)
MUSCLOR 300	300	38
MUSCLOR 600	500	38
SERRE-JOINT 500	500	60
SERRE-JOINT 800	800	75
DRAGON 600	600	38

SERRE-JOINT 500 / 800



SERRE-JOINT 500

o order	W000010987

SERRE-JOINT 800

To order W000010988

MUSCLOR 300 / 600



MUSCLOR 300

Customer's benefit:

◆ Heavy duty brass clamps, powerful jaws giving excellent grip.

To order W000010583

MUSCLOR 600

To order W000010584

Technical characteristics:

	MUSCLOR 300	MUSCLOR 600
Amperage	300 at 35%	600 at 35%
Cable Ø (mm²)	50	95
Weight	480 g	762 g



◆ Improved grip through clamp tightening capacity.

Customer's benefit SERRE-JOINT 800:

- Cable fixed with brass sleeve.
- ◆ Improved grip through clamp tightening capacity.
- ◆ 3 positions of brass guide.

Technical characteristics:

	SERRE-JOINT 500	SERRE-JOINT 800
Amperage	500 at 35%	800 at 35%
Cable Ø (mm²)	95	95
Weight	744 g	1187 g

DRAGON 600

Customer's benefit:

• Brass jaws, rubber sheath cable protection.

• Screw tightening giving excellent grip.

Technical characteristics:

	DRAGON 600		
Amperage	600 at 35%		
Cable Ø (mm²)	95		
Weight	816 g		



To order W000010582

MAGNETIC GROUND CLAMPS

MAGSWITCH



Magnetic ground clamps and positioners

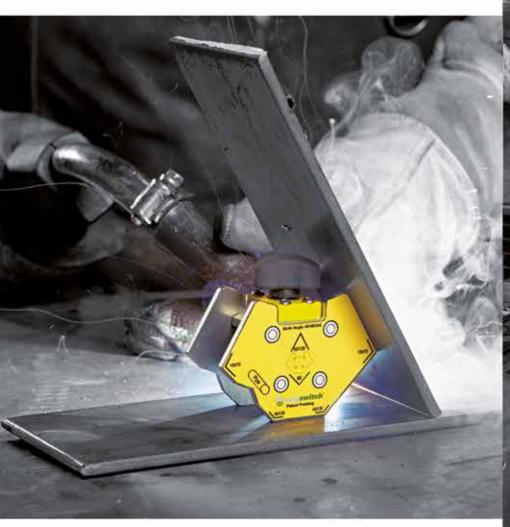
Productivity in time saving with faster set ups, convenience of no hassle use, and safety advantages of using your hands less and less to handle and position steel cannot be ignored.

From the point you receive steel in, to how you move it through your plant, to how you fabricate it, there is a MAGSWITCH tool that will improve safety and productivity. MAGSWITCH is simply a more productive way to do the job.

As you look at the products, consider these core common features of each tool:

- ◆ Complete on/off control.
- ◆ Precise placement/no fighting magnets.
- ◆ Super strong does the big work.
- ◆ Holds strong on thin steel.

MAGSWITCH is indeed technology that "changes the way things are done".







MAGNETIC GROUND CLAMPS



	Dimension (mm)			Hold on	Welding			
Name		W	D	Weight (kg)	thick steel (kg)	current (A)	Feature & benefit	Cat Nr
Magnetic ground clamp 300	57	40	69	0,3	40	300 A		W000373781
2 Magnetic ground clamp 600	66	101	69	0,8	89	600 A	Quickly set up	W000373782
3 Mini Multi Angle	65	72	32	0,18	40	N/A	Incredible strong —	W000373783
4 Mini Multi Angle/300A ground	87	89	42	0,36	67	300 A		W000373784
6 Muti Angle 400 Mag-Vise	95	129	65	1,13	178	N/A	Super strong hold all slides Positioning with incredible strong From 22 to 270 degrees	W000373785
6 Multi Angle 1000 Mag-Vise	146	184	110	4,25	446	N/A		W000373786
	65	40	40	0,3	67	N/A		W000373787
Mag Square 600	106	52	75	1,5	268	N/A		W000373788
9 Pivot Angle 200	240	240	91	1,72	90	N/A		W000373789
10 Hand Lifter 60 m Manual	140	120	60	0,64	27	N/A	For sheet dragging or small steel handing works	W000373790
10 Hand Lifter 60 CE, Cordless electric	209	173	75	1,45	27	N/A	For removing parts from cutting tables	W000373791





The choice of a hammer depends on the kind of steel you are working with *[carbon or stainless steel]* and design, for example wooden handle or not.

Steel hammer G type,

To order

To order

tubular handle

410 g

300 mm

Stainless steel hammer,

red rubber grip

230 g

255 mm

Weight

Lenght

Weight

Lenght



Wire brushes



TOOLS

MAGLITE®

Blister packed

Name	AA	2D	3D	4D	
Colour	Black				
Composition	Torch, black nylon case, 2 battery LR6	Torch			
Weight	106 g	421 g	506 g	562 g	
Diameter	18 mm	-	-	-	
Length	145 mm	254 mm	307 mm	369 mm	
Battery (type)	2 LR6	2 LR20	3 LR20	4 LR20	

To order				
MAGLITE®	W000211967	W000211968	W000211969	W000211970





WARRANTY

MAG Charger

• Nickel-cadmium battery (charger included).

• Rechargeable up to 1000 times: the most powerful torch.

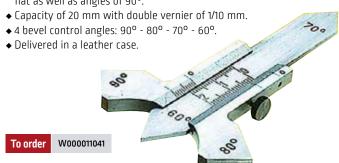




Spare parts for MAG	To order	
Designation	Bulbs	W000211654
Spare bulbs	To order	
	2D	W000211973
Designation	3D	W000211974
	4D	W000211975

Welding gauge

◆ Accurate mesure of the thickness of the welding beads, flat as well as angles of 90°.



Temperature control stick

- ◆ Easy to use surface indicator.
- ◆ ± 1% accuracy.

Designation and temperature	Per pack of 12 pieces
100 (101 °C - 213 °F)	W000010156
120 (121 °C - 250 °F)	W000011042
150 (149 °C - 300 °F)	W000010157
177 (177 °C - 350 °F)	W000011045
200 (198 °C - 388 °F)	W000010158
250 (253 °C - 488 °F)	W000010159
300 (302 °C - 575 °F)	W000010160
350 (343 °C - 650 °F)	W000010161
370 (371 °C - 700 °F)	W000011043





ACCESSORIES

MIG pliers (original FIX®)



MIG torch stand

Simple stand with magnetic base to keep your work place clean.





FLOWELD

- Designed to measure gas flow at the front of MIG/MAG torch
- ◆ Maximum flowrate: 20 l/min (Ar, CO₂ or mixed gas)
- ◆ Accuracy +- 10%
- ◆ Unbreakable

To order

W000335159

MARKERS

Paint Marker



The Valve Action is a fast-drying liquid paint marker, that provides long-lasting, wear- and weather-resistant marks, that are safe for almost any surface. Most versatile liquid paint marker in the world, the xylene-free paint reduces user health risks.

Designation	To order
Paint Marker White	W000383103
Paint Marker Yellow	W000383104
Paint Marker Red	W000383105
Paint Marker Blue	W000383106
Paint Marker Green	W000383107
Paint Marker Black	W000383108
Paint Marker Orange	W000383109



Paint Tube



Markal Stylmark is a metal-ball tip marker to mark most surfaces. The aluminum squeeze tube and thick paint makes it suitable for rough, vertical and overhead surfaces with

excellent adhesion on oily and wet surfaces. Xylene-free paint reduces user health risk.

Designation		To order
	Paint Tube White	W000383110
	Paint Tube Yellow	W000383111
	Paint Tube Red	W000383112



Paintstik



Quik Stik is a smooth-marking solid paint crayon that dries quickly to leave a bold, permanent mark on most surfaces. The durable plastic twist-up holder prevents

breakage. Keep hands, clothing, and toolboxes clean with the industry's largest twist-up solid paint marker.

Designation	To order
Paintstik White	W000383113
Paintstik Yellow	W000383114
Paintstik Red	W000383115



Welding Chalk

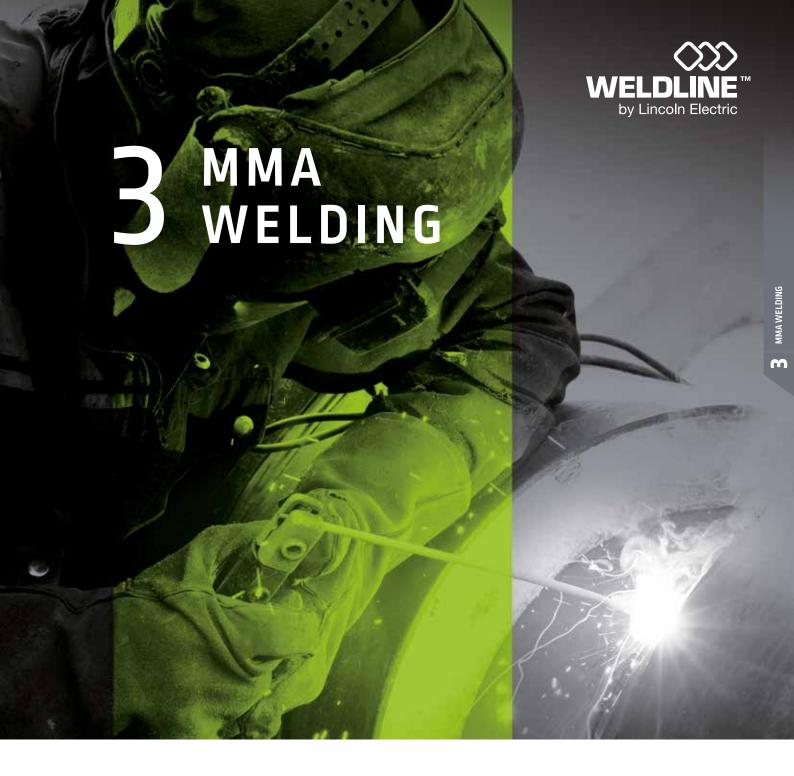
The soapstone welding

The soapstone welding crayon is resistant to heat up to 2000 °C (3630 °F) and will not contaminate welds.



W000383116





WELDING TOOLS AND ACCESSORIES

◆ Electrode holders	. 54 — 57
◆ MMA kits (electrode holder with cable + clamp with cable)	58
◆ Gouging torches	59
◆ Gouging electrodes	60
◆ Ovens / Quivers	. 61 — 64
▲ Walding accessories	65

For: clamps, connectors, cables, hammers, ceramic backings and others see chapter 2 "**General arc welding**"



ELECTRODE HOLDERS



The choice of an electrode holder follows several criteria.

◆ In Europe, the supplier has to conform to the European standards on these products, for health and safety reasons.

The **CE** marking confirms the conformity of the product to these standards. **DON'T BUY ELECTRODE HOLDERS WITHOUT THIS MARKING.**

◆ Choose your holder according to the maximal electrode diameter you use. This diameter dictates the maximum amperage and subsequently the size of the welding cable.

Selection criteria for the different type of electrode holders can be seen on the enclosed pages. Obviously the electrode holder will accept all sizes of electrode to the stated maximal diameter.

The lever type electrode holders are divided into two sections, large opening type - that has the optional pre-defined angles and closed head type - that has only a single position option.

Screw type

Very secure grip of the electrode that gives the possibility to twist the electrode once tightened.

Lever type

Secure grip of the electrode between the jaws with pre-defined angles for the electrode position, easy butt ejection.





ELECTRODE HOLDERS



Screw type electrode holders

TWIST 200 / 400



Customer's benefit:

- ◆ Economical electrode holders.
- ◆ Insulation class: A.
- Well balanced, rubber handle, left hand thread.

Technical characteristics:

	TWIST 200	TWIST 400
Amperage	200 at 35%	300 at 35%
Cable Ø (mm)	25 max.	50 max.
Electrode Ø (mm)	3.2 max.	5.0 max.
Weight	335 g	480 g

TWIST 200

TWIST 400

To order	V000010566
----------	------------

VESTALETTE 250



Customer's benefit:

- ◆ Light and totally insulated, fibre glass head long life duration, left hand thread.
- ◆ Insulation class: A.

Technical characteristics:

Amperage	250 at 35%
Cable Ø (mm)	35 max.
Electrode Ø (mm)	4.0 max.
Weight	295 g

To order W000010035 W000010883*

STUBBY 400



Customer's benefit:

- ◆ Well known, fibre glass single part head.
- ◆ Spare parts available, right hand thread.
- ◆ Insulation class: A.

Technical characteristics:

Amperage	400 at 35%
Cable Ø (mm)	70 max.
Electrode Ø (mm)	6.3 max .
Weight	450 g

To order W000010036

W000010879*

Spare parts	To order
MASTER - Head	W000011082
STUBBY - Head	W000260716
MASTER - Insulation	W000011083
STUBBY/MASTER - Spring	W000011084
STUBBY/MASTER - Handle	W000011077
STUBBY - Body	W000011085
VESTALE - Handle	W000011086
VESTALE - Head	W000011087

Ø mm² Choice criteria Maximum Maximum TWIST 200 3.2 25 5.0 50 TWIST 400 4.0 35 **VESTALETTE 250** Screw type straight 50 STUBBY 400 63 8.0 95 **MASTER 400** 8.0 95 **VESTALE 500** 5.0 50 CURVA 400 70 type curve **CURVA 600**

MASTER 500



Customer's benefit:

- ◆ Well known, fibre glass single part head.
- ◆ Spare parts available, right hand thread.
- ◆ Insulation class: A.

Technical characteristics:

Amperage	500 at 35%
Cable Ø (mm)	95 max.
Electrode Ø (mm)	8.0 max.
Weight	530 g

To order

W000010037

W000010882*

VESTALE 500



Customer's benefit:

- ◆ The heavy duty electrode holder.
- ◆ High resistance.
- Fibre glass head, left hand thread.
- ◆ Insulation class: A.

Technical characteristics:

Amperage	500 at 35%
Cable Ø (mm)	95 max.
Electrode Ø (mm)	8.0 max.
Weight	470 g

To order

W000010038

W000010880*

CURVA 400 / 600



Customer's benefit:

- ◆ Curved electrode holders.
- ◆ Insulation class: B.

Technical characteristics:

	CURVA 400	CURVA 600
Amperage	400 at 35%	600 at 35%
Cable Ø (mm)	50 max.	70 max.
Electrode Ø (mm)	5.0 max.	6.3 max.
Weight	540 g	720 g

CURVA 400

To order W000010573

CURVA 600

To order W000010574

^{*} Cat. number for display



ELECTRODE HOLDERS



Lever type closed head electrode holders

SEGURA 300 / 400 / 600



Choice criteria		Ø mm² Maximum
SEGURA 300	4.0	35
SEGURA 400	5.0	50
SEGURA 600	6.3	70
COBRA 300	6.3	50
OPTIMUS 300	6.3	70
OPTIMUS 400	8.0	95
OPTIMUS 500	8.0	95
TONG GRIP 400	6.3	70

OPTIMUS 300 / 400 / 500

Customer's benefit:

- ◆ Economical models.
- ◆ Nylon handle.
- ◆ Brass jaws.
- ◆ Insulation class: B.

SEGURA 300 To order W000010570

SEGURA 400

To order W000010571

W000010881*

SEGURA 600

To order W000010572

W000010039

Technical characteristics:

	SEGURA 300	SEGURA 400	SEGURA 600
Amperage	300 at 35%	400 at 35%	600 at 35%
Cable Ø (mm²)	35 max.	50 max.	70 max.
Electrode Ø (mm²)	4.0 max.	5.0 max.	6.3 max.
Weight	415 g	570 g	590 g

COBRA 300

	SEGURA 300	SEGURA 400	SEGURA 600
Amperage	300 at 35%	400 at 35%	600 at 35%
Cable Ø (mm²)	35 max.	50 max.	70 max.
Electrode Ø (mm²)	4.0 max.	5.0 max.	6.3 max.
Weight	415 g	570 g	590 g

- Customer's benefit: ◆ Economical models.
- High quality electrode holder.
- ◆ Well-known for intensive use and powerful grip on the electrodes.
- Specially designed for heavy duty works with a comfortable handle.
- ◆ Insulation class: A.

OPTIMUS 300

To order W000010410

OPTIMUS 400

To order W000010411

OPTIMUS 500

To order W000010412



To order

Customer's benefit:

- ◆ Light and multi purpose.
- ◆ Insulation class: A.

Technical characteristics:

Amperage	300 at 35%
Cable Ø (mm²)	50 max.
Electrode Ø (mm²)	6.3 max.
Weight	420 g

Technical characteristics:

	OPTIMUS 300	OPTIMUS 400	OPTIMUS 500
Amperage	300 at 35%	400 at 35%	500 at 35%
Cable Ø (mm²)	35 max.	50 max.	70 max.
Electrode Ø (mm²)	4.0 max.	5.0 max.	6.3 max.
Weight	415 g	570 g	590 g

TONG GRIP 400



Customer's benefit:

◆ High duty electrode holder.

To order W000010622

Amperage	400 at 35%
Cable Ø (mm²)	70 max.
Electrode Ø (mm²)	6.3 max.
Weight	500 g

Ø

To order W000010569

ELECTRODE HOLDERS



Lever type opened head electrode holders



Customer's benefit:

- Economical electrode holders.
- ◆ Polyamide handle, fibre glass reinforced.
- Brass jaws.
- ◆ Insulation class: B.

Technical characteristics:

	CAIMAN 200	CAIMAN 400	CAIMAN 600
Amperage	200 at 35%	400 at 35%	600 at 35%
Cable Ø (mm²)	25 max.	50 max.	70 max.
Electrode Ø (mm²)	3.2 max.	5.0 max.	6.3 max.
Weight	370 g	425 g	500 g

To order

W000010568

To order W000010567

Hobby and light duty electrode holders

HOBBY 200

To order W000268399



Customer's benefit:

◆ An industrial design for light works.

I ect	าทเกลโ	chara	CTE	istics:
	mille	CIIUIU	CCCI	136163.

Amperage	200 at 35%
Cable Ø (mm²)	25 max.
Electrode Ø (mm²)	4.0 max.
Weight	135 g



CAÏMY 200



W000010576



Customer's benefit:

- ◆ A small professional tool for light works.
- ◆ Insulation class: B.

Amperage	200 at 35%
Cable Ø (mm²)	25 max.
Electrode Ø (mm²)	3.2 max.
Weight	220 g



MMA KITS

Kits of accessories for MMA welding: electrode holders, earth clamps, cables and connectors, already assembled.

Plug I max Choice criteria at 35% diameter 200 A 9 mm KIT 25C25 300 A 9 mm KIT 25C25+ 300 A 13 mm KIT 25C50 300 A 13 mm KIT 35C50 300 A 13 mm KIT 50C50 KIT 50C50+ 400 A 13 mm

Advantages:

- ◆ "Ready to weld".
- ◆ A simple and full range in relation with all welding machines.
- ◆ Save 30 minutes of assembly time, before welding.
- Recommendations in relation to welding processes.

The kits choice depends of several criteria:

- ◆ Sections of machine sockets:
 - Plugs of 9 mm diameter correspond to a cable cross-section between 16 mm² and 25 mm².
 - Plugs of 13 mm diameter correspond to a cable cross-section between 35 mm² and 50 mm² (max 90 mm²).
- ◆ Application & intensity

The range:

- ◆ First digits describe cable diameter.
- ◆ Second digits describe type of connector.

KIT 25C25

MMA power sources' types and applications:

◆ Small intensity power sources for semi professional welding.



W000011138

Technical characteristics:

l max	200 at 35%
Electrode holder	CAÏMAN 200
Cable length	3 m
Earth clamp	HIPPO 200
Cable length	3 m
Plug diameter	9 mm

KIT 35C50

MMA power sources' types and applications:

 High intensity power sources for intensive use (up to Ø 4 mm) or work site.

To order

W000011139

Technical characteristics:

l max	300 at 35%
Electrode holder	SEGURA 300
Cable length	4 m
Earth clamp	HIPPO 400
Cable length	4 m
Plug diameter	13 mm

KIT 25C25+

MMA power sources' types and applications:

◆ Small intensity power sources for working site up to Ø 4 mm.

To order W000260683

Technical characteristics:

l max	300 at 35%
Electrode holder	SEGURA 300
Cable length	3 m
Earth clamp	HIPPO 400
Cable length	2 m
Plug diameter	9 mm

KIT 50C50

MMA power sources' types and applications:

◆ High intensity power sources for intensive use (up to Ø 5 mm) or work site.

To order

W000260681

Technical characteristics:

l max	300 at 35%
Electrode holder	SEGURA 400
Cable length	4 m
Earth clamp	HIPPO 400
Cable length	4 m
Plug diameter	13 mm

KIT 25C50

MMA power sources' types and applications:

◆ High intensity power sources for intensive use (up to Ø 4 mm) or work site.

To order W000260684

Technical characteristics:

l max	300 at 35%
Electrode holder	SEGURA 300
Cable length	3 m
Earth clamp	HIPPO 400
Cable length	3 m
Plug diameter	13 mm

KIT 50C50+

MMA power sources' types and applications:

◆ High intensity power sources for intensive use (up to Ø 6.3 mm) or work site.

To order

W000260682

l max	400 at 35%
Electrode holder	SEGURA 600
Cable length	4 m
Earth clamp	HIPPO 600
Cable length	4 m
Plug diameter	13 mm



GOUGING TORCHES

FLAIR® 600 / 1600

- ◆ The FLAIR® gouging torch is a high quality torch.
- The airflow can be regulated on the torch.
- ◆ The recommended air pressure is 7 bar.

Technical characteristics:

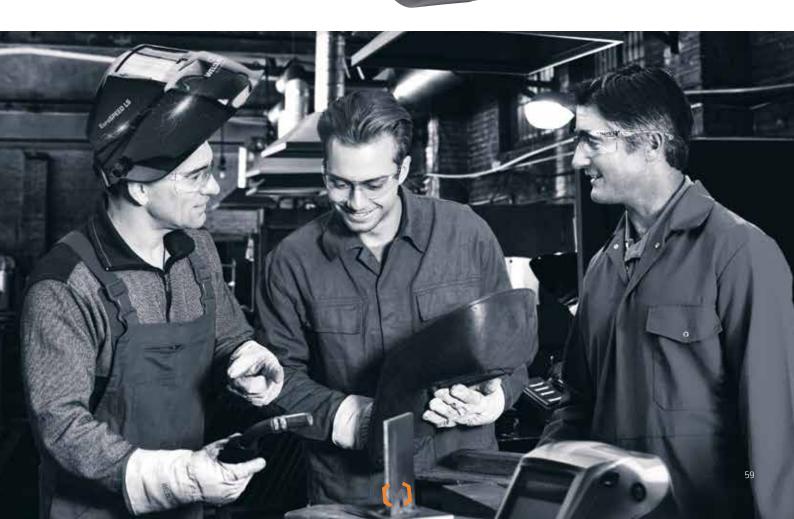
	FLAIR® 600	FLAIR® 1600
Current	600 A	1600 A
Electrode Ø max.	10 mm - 3/8"	19 mm - 3/4"

Spare parts	FLAIR® 600	FLAIR® 1600	
A Screw MRX 4 x 10 mm (10 pieces)	W000	010124	
B Insulation cap (2 pieces)	W000	010125	
C Injection nozzle complete with taptite	W000010127	W000011130	
D Lever insulation	W000010128		
E Valve	W000	010129	
F Safety ring (10 pieces)	W000	010131	
G Handle	W000010132	W000401598	
H Push-button and link	W000010133		
Monocable	W000010134	W000011128	



FLAIR® 600

To order W000010136



GOUGING ELECTRODES

WELDLINE offers a complete range of graphite (carbon) electrodes for gouging.

CARBONAIR

Pointed electrodes



Description diameter x lenght (mm)	Quantity per box (thousand)	Gross weight per box (kg)	l mini (A)	l maxi (A)	Air pressure (bars)	Airflow (m³/h)	To order
CARBONAIR 4 x 305	0.100	0.78	150	250	4.0	15	W000010645
CARBONAIR 5 x 305	0.100	1.08	200	250	4.0	15	W000010443
CARBONAIR 6.4 x 305	0.050	0.98	320	370	4.0	15	W000010444
CARBONAIR 8 x 305	0.050	1.34	400	450	5.5	40	W000010445
CARBONAIR 10 x 305	0.050	2.15	500	550	5.5	40	W000010446
CARBONAIR 13 x 305	0.050	3.55	800	1 000	5.5	50	W000010447

CARBONAIR PLUS

Jointed electrodes (no stub loss)

This process requires a MMA direct current (DC) power source, a gouging torch and a compressed air source. Please find hereunder a selection table.

Description diameter x lenght (mm)	Quantity per box (thousand)	Gross weight per box (kg)	l mini (A)	l maxi (A)	Air pressure (bars)	Airflow (m³/h)	To order
CARBONAIR PLUS 8 x 355	0.050	1.80	500	550	5.5	40	W000010448
CARBONAIR PLUS 10 x 430	0.050	3.22	600	650	5.5	40	W000010449
CARBONAIR PLUS 13 x 430	0.050	4.97	800	1 000	5.5	50	W000010450
CARBONAIR PLUS 16 x 430	0.025	3.70	1 000	1200	6.9	60	W000010451
CARBONAIR PLUS 19 x 430	0.025	5.17	1200	1400	6.9	60	W000010452





Portable quivers

WELDRY PW8 / PW15 / 372 N INOX

- ◆ PW8 and PW15 portable quivers are necessary, for electrodes maintenance, near the welding working place. They preserve the electrodes from moisture, avoiding hydrogen inclusion in the welding joint.
- ◆ PW8 and PW15 portable guivers are provided with a handle, useful for moving. They also contain an extractable basket that avoids waste of heat. PW8 and PW15 ovens are provided with built-in adjustable thermostat.
- ◆ For the 372 N: preset temperature to 120 °C, plated heater resistance against the reservoir electrodes which allows a good repartition of temperature.

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



WELDRY PW8

To order To order (24 V)

W000120427 W000371464

WELDRY PW15

To order

W000120428



On request: other models

- Without thermostat
- With thermometer
- With different power supply
- Stainless steel or lacquered finishing



Technical data	WELDRY PW8	WELDRY PW15	WELDRY 372 N - INOX	
Capacity (number of electrodes)	100 electrodes Ø 3.25 mm	200 electrodes Ø 3.25 mm	100 electrodes Ø 3.25 mm	
Temperature regulation thermostat		up to 120 °C		
Power	0.130 kW	0.275 kW	0.230 kW	
Capacity	5 kg	10 kg	5 kg	
Power supply		Single-phase 24 V or 230 V - 50/60	Hz	
Internal size	72 x 72 x 470 mm	100 x 100 x 470 mm	Ø 82.5 x 480 mm	
External size	140 x 180 x 630 mm	180 x 220 x 630 mm	225 x 535 mm	
Net weight	5 kg	8 kg	5.5 kg	

All WELDRY ovens are supplied with 2 m long cable



Holding ovens for MMA electrodes

WELDRY MW

- ◆ MW ovens are used to keep the treatment of electrodes after the drying cycle and before the welding process.
- ◆ They preserve the electrodes from moisture, avoiding hydrogen inclusion in the welding joint.
- ◆ Equipped with a digital control panel and two adjustable thermoregulators for air and heating elements protection, positioned in front of the oven.





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





WELDRY MW6

To order W000120454

Technical data	WELDRY MW2	WELDRY MW4	WELDRY MW6	
Load capacity	135 Kg - 3 000 electrodes *	270 Kg - 6 000 electrodes *	405 Kg - 9 000 electrodes *	
Shelves number	2	4	6	
Heating elements	1	1	3	
Max. Temperature	Adjustable up to 150 °C - air Adjustable up to 300 °C - heating elements			
Power	1.6 kW 2.7 kW		4.5 kW	
Rating	Single phase - 23	0 V a.c 50/60 Hz	Three phase - 380 V a.c 50/60 Hz	
Internal size (w x d x h)	720 x 510 x 350 mm	720 x 510 x 620 mm	720 x 510 x 890 mm	
External size (w x d x h)	830 x 690 x 760 mm	830 x 690 x 1 040 mm	820 x 690 x 1 310 mm	
Oven weight	90 kg	123 kg	152 kg	
Packaging dimensions (w x d x h)	850 x 710 x 780 mm	850 x 710 x 1 060 mm	840 x 710 x 1 330 mm	
Weight for transport	95 kg	135 kg	160 kg	

* Quantity of pieces having Ø 3.25 mm

All WELDRY ovens are supplied with 2 m long cable



Re-baking ovens for MMA electrodes

WELDRY CW

- ◆ This oven is used for electrode re-baking treatment, heating the electrodes between 350 °C and 420 °C for a fixed time. In this way the moisture is removed and a good quality welding without hydrogen intrusion is guaranteed.
- ◆ Equipped with a digital control panel and two adjustable thermoregulators for air and heating elements protection, positioned in front of the oven, allows to set both drying and keeping cycles.



CAUTION:

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

On request: other models (with fan ventilation system)





To order W000120468

All WELDRY ovens are supplied with 2 m long cable

Technical data	WELDRY CW3	WELDRY CW6	WELDRY CW9		
Load capacity	203 Kg - 4 500 electrodes *	404 Kg - 9 000 electrodes *	608 Kg - 13 500 electrodes *		
Shelves number	3	6	9		
Heating elements	3	6	9		
Max. Temperature	Adjustable up to 350°C - air Adjustable up to 500°C - heating elements				
Power	4.6 kW	4.6 kW 9.1 kW			
Rating	Three phase - 380 V a.c 50/60 H				
Internal size (w x d x h)	560 x 740 x 560 mm	560 x 740 x 980 mm	560 x 740 x 1 430 mm		
External size (w x d x h)	800 x 880 x 1 050 mm	800 x 880 x 1 480 mm	800 x 880 x 1 880 mm		
Oven weight	140 / 144 kg	200 / 204 kg	266 / 270 kg		
Packaging dimensions (w x d x h)	900 x 900 x 1 050 mm	900 x 900 x 1 500 mm	900 x 900 x 1 900 mm		
Weight for transport	150 / 154 kg	215 / 219 kg	280 / 284 kg		

^{*} Quantity of pieces having Ø 3.25 mm

		(



Hopper ovens for flux

WELDRY FW

- ◆ This model of oven is used for re-baking submerged arc welding fluxes, heating the flux between 350 °C and 420 °C for a fixed time. The inside tank is stainless steel made to prevent from the risk of pollution.
- ◆ The resistances are positioned inside the hopper for a direct contact to flux in order to obtain an optimal heating.
- ◆ The built-in digital control equipment with double thermoregulator for air and resistances protection avoids the flux being damaged and allows to set both drying and keeping cycles.







CAUTION:

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

On request: other models (with one or two hoppers - with single or double digital control equipment)

Technical data	WELDRY FW100	WELDRY FW200	WELDRY FW400	
Load Capacity	60 kg	160 kg	320 kg	
Max. Temperature	Adjustable up to 350 °C - air Adjustable up to 500 °C - heating elements			
Power	4 kW	6.6 kW	7.9 kW	
Rating	Three phase - 380 V a.c 50/60 Hz			
Internal size (w x d x h)	530 x 390 x 640 mm	690 x 690 x 740 mm	690 x 690 x 740 mm (each hopper)	
External size (w x d x h)	670 x 710 x 1 300 mm	825 x 819 x 1 330 mm	1 620 x 850 x 1 340 mm	
Oven weight	90 kg	116 kg	210 kg	
Height of the flap door for flux feeding	a = 500 mm	а	= 450 mm	
Packaging dimensions (w x d x h)	690 x 750 x 1 320 mm	850 x 860 x 1 350 mm	1 640 x 870 x 1 360 mm	
Weight for transport	100 kg	130 kg	225 kg	

All WELDRY ovens are supplied with 2 m long cable



WELDING ACCESSORIES

See more page 52

4 rows steel wires



4 rows stainless steel wires



Steel head, wooden handle









WELDING TOOLS AND ACCESSORIES

٠	TIG torches	68 -	- 73	3
•	Tungsten electrodes	74 -	- 75	- ว
_	Other accessories	76 -	_ 7	7



TIG TORCHES



Air cooling

MODEL			WT	WTT29		WTT2 17		WTT2 26	
Duty cycle at 40 °C		60%	80	ΙΑ	100) A	130	Α	
Duty tyt	ie at 40 °C		35%	110) A	135	Α	180	A
			back cap			Lo	ng		
Original	equipment		nozzle		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	4 m	8 m
	RL		S	W000278878	W000278923	W000278883	W000278918	W000278888	W000278914
			C5B	W000278879	W000278922	W000278884	W000278917	W000278890	W000278913
	FB		S	W000278877	W000278929	W000278881	W000278920	W000278886	W000278916
	ED		C5B	W000278875	-	W000278882	W000278919	W000278887	W000278915
Handle	V	Connection	V (Conn. 9 mm)	W000278876	1	W000278880	-	-	-
			V (Conn. 13 mm)	-	-	W10529-17-4V	-	W000278885	-
	EB-FLEX		S / C5B	W000382781	-	W000382782	W000382783	W000382784	W000382785

Water cooling

vvater cooling								
	MODEL				WTT2 20 W		WTT2 18 W	
Duty cycle at 40 °C			100%	20	0 A	321) A	
Duty tytle	at 40 °C		60%	25	D A	350) A	
			back cap		Lo	ng		
Original eq	uipment		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	
	RI		S	W000278893	W000278906	W000278897	W000278900	
	KL		C5B	W000278894	W000278905	W000278898	W000278899	
Handle	EB	Connection	S	W000278891	W000278911	W000278895	W000278902	
	ED		C5B	W000278892	W000278909	W000278896	W000278901	
	EB-FLEX		S / C5B	W000382786	W000382787	W000382788	W000382789	





Connector:

Shaped cable output for a better robustness.





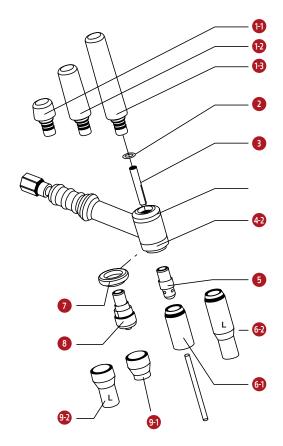






WTT2 TIG torches wear parts

		WTT2 9 / 9V WTT2 20W	WTT2 17 / 17V WTT2 26 / 26V WTT2 18W		
11 Back cap short		W000306398	W000306399		
Back cap medium		W000306400	-		
13 Back cap long		W000306402	W000306403		
2 Back cap O-ring		W000306404	W000306405		
4-2 Sealing ring		W000306396	W000306397		
	Ø 1.0	W000306406	W000306411		
	Ø 1.6	W000306407	W000306412		
Collet	Ø 2.0	W000306408	W000306413		
3 Collet	Ø 2.4	W000306409	W000306414		
	Ø 3.2	W000306410	W000306415		
	Ø 4.0	-	W000306416		
5 Collet body	Ø 1.0	W000306376	W000306380		
	Ø 1.6	W000306377	W000306381		
	Ø 2.0	W000306378	W000270781		
	Ø 2.4	W000306455	W000306382		
	Ø 3.2	W000306379	W000306383		
	Ø 4.0	-	W000306384		
	Ø 6.4	W000306417	W000306423		
	Ø 8.0	W000306418	W000306424		
	Ø 9.6	W000306419	W000306425		
6-1 Nozzle	Ø 11.2	W000306420	W000306426		
	Ø 12.8	W000306421	W000306427		
	Ø 16.0	W000306422	W000306428		
	Ø 19.2	-	W000306461		
	Ø 4.8	W000306456	-		
	Ø 6.4	W000306457	W000306462		
62 Long nozzle	Ø 8.0	W000306458	W000306463		
	Ø 9.6	W000306459	W000306464		
	Ø 11.2	-	W000306465		
Gas Lens sealing rin	g	W000306396	W000306466		
	Ø 1.0	W000306385	W000306389		
	Ø 1.6	W000306386	W000306390		
Gas Lens	Ø 2.0	W000306460	-		
8 collet body	Ø 2.4	W000306387	W000306391		
	Ø 3.2	W000306388	W000306392		
	Ø 4.0	-	W000306393		
	Ø 6.4	W000306429	W000306434		
	Ø 8.0	-	W000306435		
Gas Lens	Ø 9.6	W000306431	W000306436		
nozzle	Ø 11.2	W000306432	W000306437		
	Ø 12.8	W000306433	W000306438		
	Ø 16.0	-	W000306439		
	Ø 8.0	-	W000306467		
Long	Ø 9.6	-	W000306468		
9-2) Gas Lens nozzle	Ø 11.2	-	W000306469		
	Ø 12.8	-	W000306470		



Wear parts box

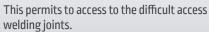
For an easier maintenance of the WTT2 torches, two boxes are available.



Gas Lens

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







TIG TORCHES

PROTIG NG S & III S

The range of PROTIG includes 4 air cooled, and 3 water cooled versions.

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

Advantages:

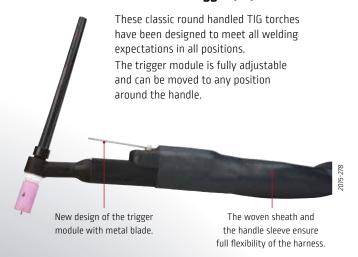
- Wear parts and accessories the same for the whole PROTIG range.
- ◆ Improved robustness.
- ◆ The blade trigger may be oriented around the handle (only for PROTIG III S).
- ◆ Robust metal trigger (only for PROTIG III S).
- Neoprene sleeve with good maneuverability.
- ◆1 reference: the C5B connection of the torch fitted as standard, a banana plug included also.

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 10	mm			Ø 12	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		CODINECTION CODIS	W000278394-2	W000278395-2	W000278396-2	W000278397-2	W000278398-2	W000278399-2	W000278400-2	W000278401-2

PROTIG III S

The round handle with a blade trigger (RL).





PROTIG NG S

The ergonomic handle with button (EB).

The best WELDLINE torches with an advanced ergo-design, using a colored soft grip for a maximum welder comfort.

These torches will give you an optimum welding quality, and increase the communication between the welder and the machine.



The ball joint gives excellent flexibility, and the first 1 m of the harness is leather which increases the service life of the welding hose.

















TIG TORCHES



Water cooled

MODEL PROTIG 10W		PROTIG 35W		PROTIG 40W				
Duty cycle 100%	ty cycle 100% 220 A			350 A		45	Α	
	back cap	back cap			long			
Fitted as standard	nozzle		Ø 12.8	Ø 12.8 mm Ø 15 mm		Ø 14 mm		
Staridard	electrode		Ø 2.4	mm	Ø 3.2 mm		Ø 3.2 mm	
Length			5 m	8 m	5 m	8 m	5 m	8 m
PROTIG III S	Connection	CED/C	W000382723-2	W000382724-2	W000382725-2	W000382726-2	W000382727-2	-
PROTIG NG S	Connection C5B/S		W000278402-2	W000278403-2	W000278404-2	W000278405-2	W000278406-2	W000278407-2

[⚠] Some machines require the use of the plug module p/n WP10529-5, see the section "Plug kits and button modules" at page 75.

Connectors, adapters

Connectors

The connectors to the machine are a new design, compact and fully protected delivering both strength and quality. All hoses are 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**



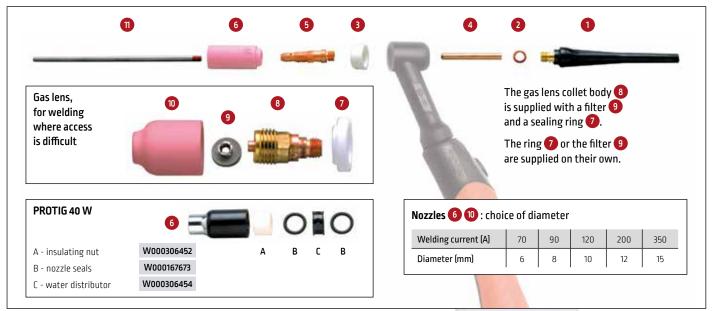
TIG TORCHES

PROTIG NG S & III S



Wear parts

WELDLINE sets the standard for wear parts, ensuring maximum quality for both welding and gas protection.



Wear parts box

A complete kit for all applications. The kit includes electrode collets, nozzles, back caps and collet body. PROTIG 10 / 10W PROTIG 20 PROTIG 30 PROTIG 40 / 35W PROTIG 40W W000306441 W000306442 W000306443 W000306444

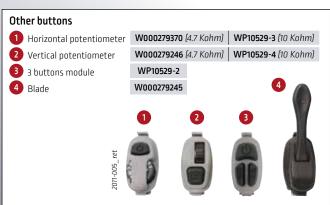


1-007

Modular system:

Standard delivery for EB all torches is a single button module. Other control module formats are available to order.





A Refer to the instruction manual to see the different connections for the modules. For potentiometer adapt the wiring to the welding machine.

Adjustable heads

As an option, adjustable torch bodies are available, designed to make welding in limited access locations easier with a choice of 2 heads, small and large which are mounted on air cooled or water cooled bodies.



Choose one body and one head to get a complete torch.

· Air cooled body (10/20)

W000279381 W000279382

· Water cooled body (10W)
· Head PROTIG NG 10/10W

W000279383

· Head PROTIG NG 20

W000279384



TIG TORCHES

Wear parts are common for both RL or EB handles.

		PROTIG 10 / 10W	PROTIG 20	PROTIG 30	PROTIG 35W / 40	PROTIG 40W
	short	W000306220	W000306223	W000306223	W000306225	W000306227
1 - Back cap	medium	W000306221	-	-	-	-
	long	W000306222	W000306224	W000306224	W000306226	W000306228
2 - Back cap o-ring		W000306229	W000306230	W000306230	W000306231	W000306232
3 - Sealing ring		W000306210	W000306211	W000306211	W000306212	-
	Ø 1.0	W000306236	W000306241	W000306246	W000306252	-
	Ø 1.6	W000306237	W000306242	W000306247	W000306253	-
	Ø 2.0	W000306238	W000306243	W000306248	W000306254	-
4 Florendo sellet	Ø 2.4	W000306239	W000306244	W000306249	W000306255	W000306262
4 - Electrode collet	Ø 2.5	W000306259	W000306260	W000306261	-	-
	Ø 3.2	W000306240	W000306245	W000306250	W000306256	W000306263
	Ø 4.0	-	-	W000306251	W000306257	W000306264
	Ø 4.8	-	-	-	W000306258	W000306265
5 - Collet body all diameters		W000306205	W000306206	W000306207	W000306208	W000306200
5* - Collet body heavy duty		-	-	-	* W000306201	-
	Ø 6.4	W000306269	W000306273	W000306277	W000306277	-
	Ø8	W000306270	W000306274	W000306278	W000306278	-
	Ø 9.6	W000306271	W000306275	W000306279	W000306279	-
6 - Nozzle	Ø 11	-	-	-	-	W000306282
	Ø 12.8	W000306272	W000306276	W000306280	W000306280	-
	Ø 14	-	-		-	W000306283
	Ø 15.7	-	-	W000306281	W000306281	-
	Ø 4.8	W000306456	-	-	-	-
	Ø 6.4	W000306457	-	W000306462	W000306462	-
	Ø8	W000306458	-	W000306463	W000306463	-
	Ø 9.6	W000306459	-	W000306464	W000306464	-
6L - Long nozzle	Ø 11.2	-	-	W000306465	W000306465	-
	Ø 12.8	-	-	-	-	-
	Ø 14	-	-	-	-	-
	Ø 15.7	-	-	-	-	-
7 - Gas lens sealing ring		W000306210	W000306216	W000306216	W000306217	-
8 - Gas lens collet body		W000306213	W000306214	W000306214	W000306215	-
9 - Gas lens filter		W000306218	W000306219	W000306219	W000306219	-
	Ø8	W000306284	W000306287	W000306287	W000306287	-
10 - Gas lens nozzle	Ø 9.6	W000306285	W000306288	W000306288	W000306288	-
	Ø 11.2	W000306286	-	-	-	-
	Ø 12.8	-	W000306289	W000306289	W000306289	-
	Ø 15.7	-	W000306290	W000306290	W000306290	-
	Ø8	-	W000306467	W000306467	W000306467	-
401	Ø 9.6	-	W000306468	W000306468	W000306468	-
10L - Long gas lens nozzle	Ø 11.2	-	W000306469	W000306469	W000306469	-
	Ø 12.8	-	W000306470	W000306470	W000306470	-

 $^{^{\}star}$ For the collet body * heavy duty », use the gas lens nozzles

Choose your module & your plug kit for Protig NG S

Button modules	Ô	•		•	r 🏮		r 🧻		ır 🏮
Reference	WP10529-2	W000279246 [4.7 Kohm]	W000279370 (4.7 Kohm)	W000279246 (4.7 Kohm)	W000279370 (4.7 Kohm)	W000279246 [4.7 Kohm]	W000279370 (4.7 Kohm)	WP10529-4 (10 Kohm)	WP10529-3 (10 Kohm)
Plug kit	No plug kit needed Torch is connected to the machine through the C5B plug (5 pins)	WP10!	529-6	WP10	529-7	WP10	529-8	■	⊢ 529-9
Work with	Invertec 220/300/400 TPX Aspect 200/300 Prestotig 315/415 DC Prestotig 315 AC/DC Citotig 315/415 DC Citotig 315 AC/DC	• Prestotig 210 DC • Prestotig 310 DC • Prestotig 410 DC • Prestotig 410 DC • Prestotig 240 AC/DC • Prestotig 310 AC/DC		Prestotig 210 Al Prestotig 250 A Prestotig 350 A	C/DC	· Saxotech 170/22 · Saxotig 160 AC/ · Prestotig 180/22	DC	All Lincoln mac with pedal con Prestotig 315/41 Prestotig 315 A Citotig 315/415 (Citotig 315 AC/C	trol 5 DC C/DC DC

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

Remark for users of Prestotig/Citotig II DC, 240/310 AC/DC & 350W in water cooled configuration: plug kit p/n WP10529-5 must be adopted while using TIG torches with single button.



TUNGSTEN ELECTRODES

A complete range of tungsten electrodes:

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

Product advantages:

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

CAUTION:

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

Choice criteria

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

*** Excellent - ** Good - * Average

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





TUNGSTEN ELECTRODES



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

Nertal \	WP
Ømm	150 mm length
וווווו ש	To order
1.0	S03710250
1.6	S03710251
2.0	S03710252
2.4	S03710506
2.5	S03710268
3.2	S03710507
4.0	S03710254
4.8	S03710510
6.0	S03710256

WLa 20 - Lanthanum 2%

Nertal L	Nertal La 20			
Ø mm	150 mm length			
וווווו ש	To order			
1.6	S03710651			
2.0	S03710652			
2.4	S03710653			
3.2	S03710655			
4.0	S03710656			
4.8	W000381291			

Nertal Le 20				
Ømm	150 mm length			
ווווווש	To order			
1.0	S03710530			
1.6	S03710531			
2.0	S03710533			
2.4	S03710534			
3.2	S03710537			
4.0	S03710538			
4.8	S03710539			

WP - Pure tungsten Light alloy (green tip)					
Ømm	150 mm length	175 mm length			
ווווווש	To order				
1.0	W000010009	-			
1.6	W000010010	W000010375			
2.0	W000010011	W000010376			
2.4	W000010012	W000010377			
3.0	W000010013	-			
3.2	W000010014	W000010378			
4.0	W000010015	W000335152			

WS 2 - Rare earths 2%

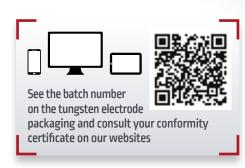
	Light alloy (using AL current), steel and stainless steel (using DC current) (blue tip)				
Ømm	75 mm length	150 mm length	175 mm length		
ווווווש	To order				
1.0	W000011144	W000010373	-		
1.6	W000011145	W000010016	W000010385		
2.0	-	W000010017	W000010386		
2.4	W000011146	W000010018	W000010387		
3.0	-	W000010019	-		
3.2	-	W000010020	W000010388		
4.0	-	W000010021	W000010389		

WLa 15 - Lanthanum 1.5%

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

	Light alloy (using AC current), steel and stainless steel (using DC current) (turquoise tip)			
Ømm	175 mm length			
וווווו ש	To order			
1.0	W000335166			
1.6	W000335167			
2.0	W000335168			
2.4	W000335169			
3.0	W000335170			
3.2	W000335171			
4.0	W000335172			





Recommended welding intensities

Electrode	Direct current	Alte	rnating current	
diameter	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	
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	

OTHER ACCESSORIES

TIG torch stand



OPTICLEAN II

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



TIG SHARP

Portable electric tool for tungsten electrodes sharpening

Characteristics:

- ◆ All you need to sharpen your tungsten electrodes (all ranges) delivered in a practical metal case:
 - Sharpening machine
 - Clamp to lock the machine on a bench
 - Standard blue head for the electrodes diameter
 - 1.6 / 2.0 / 2.4 / 3.2 mm
 - Nozzle connectable on a vacuum cleaner for extraction of tungsten dusts
 - Electrode holder to clamp TIG electrodes
 - Tools to assemble and dismantle

◆ For an accurate sharpening:

- Choose the electrode diameter
- Select the grinding angle (10° to 70°)
- Start the machine
- Insert the electrode and turn it slowly

◆ An incredible result:

- The grind is perfect
- The grinding angle is very precise
- Longitudinal sharpening, precise and symmetric angle.



EN 50144-2-3 EN 60745-1 EN 60745-1/A1



This equipment has to be connected to a vacuum extraction for dusts



To order

W000011035

Technical characteristics:

V-l+	220 220
Voltage:	220-230 volts
Frequency:	50 - 60 Hz
Power:	400 W
Amperage:	1.8 A
Disk speed:	30.000 rpm
Weight:	1.85 kg

Warranty: 2 years. Conform to EU standards

Other products of the range:

Red head:

(for tungsten electrodes Ø 1.0 / 4.0 / 4.8 / 6.0 mml

To order

W000011037

Spare blue head:

(for tungsten electrodes Ø 1.6 / 2.0 / 2.4 / 3.2 mm)

To order

W000011038

Spare diamond disk:

To order

W000011036



OTHER ACCESSORIES

CHAMELEON 4V+LS





Cooling liquid FREEZCOOL









CUTTING TOOLS AND ACCESSORIES



PLASMA TORCHES

MODERN TORCH TECHNOLOGY

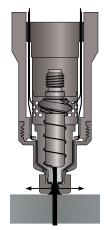
LC65 and LC105

The new torches with longer life time (running cooler). More cutting thickness, higher speed, standard and grid cutting.

- No HF
- Small electrode diameter
- High air-flow
- High speed rotating air
- Primary and secondary flow
- Concentrated plasma
- Long life electrodes and nozzles
- Torch connection central connector, 9-pin



2,5 mm narrower



LC105 torch design with drag cup



Electrode with "screw" holes in the direction of the "screw"

> As a result high speed circular air flow around the electrode

beam in the middle. Secondary air stream with cold air concentrating the Plasma beam

Secondary air-stream cold Plasma Beam hot

HIGHER TRAVEL SPEED AND LONGER LIFE TIME CONSUMABLES



CONTACT OPTION 1



Convenient for the operator, simply drag the nozzle on the plate. Wellprotected nozzle.

STAND-OFF OPTION 2



Maximum flexibility and visibility of the plasma stream.

GOUGE OPTION 3

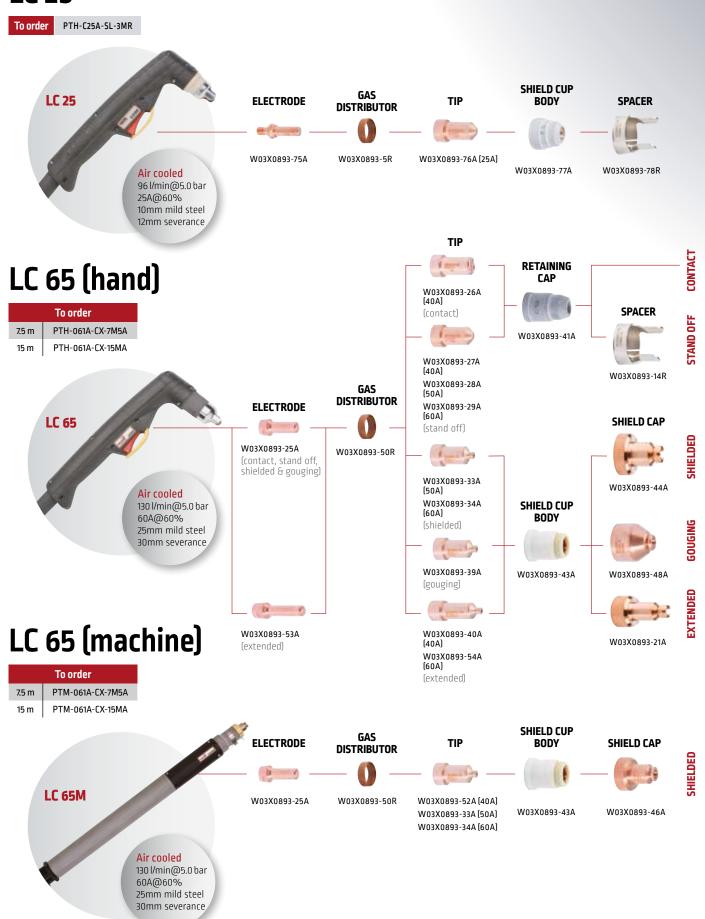


Allowing you to gouge different materials.



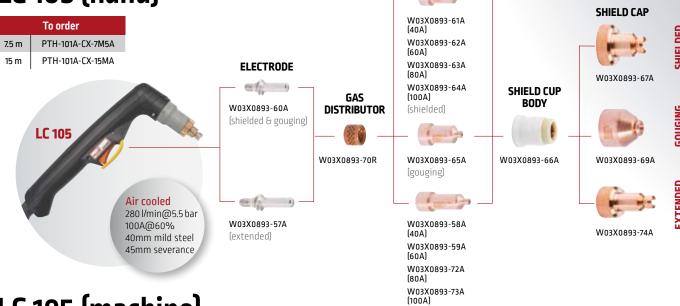
PLASMA TORCHES

LC 25



PLASMA TORCHES

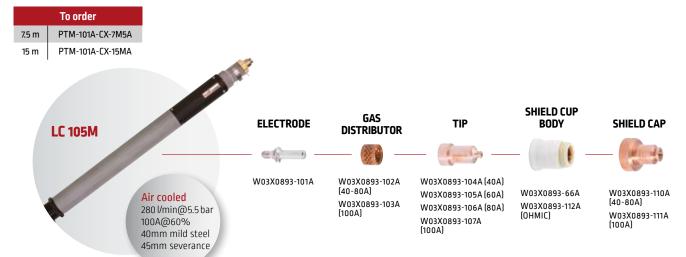




TIP

(extended)

LC 105 (machine)



WEAR PART BOX FOR PLASMA TORCH

PLASMA-BOX



PLASMA-BOX LC25

W03X0893-118A



PLASMA-BOX LC105

W03X0893-115A



PLASMA-BOX LC105M W03X0893-117A

CUTTING CIRCLES



AIR FILTER LAF1250

W88X1456A W8800117R (filter cartridge)



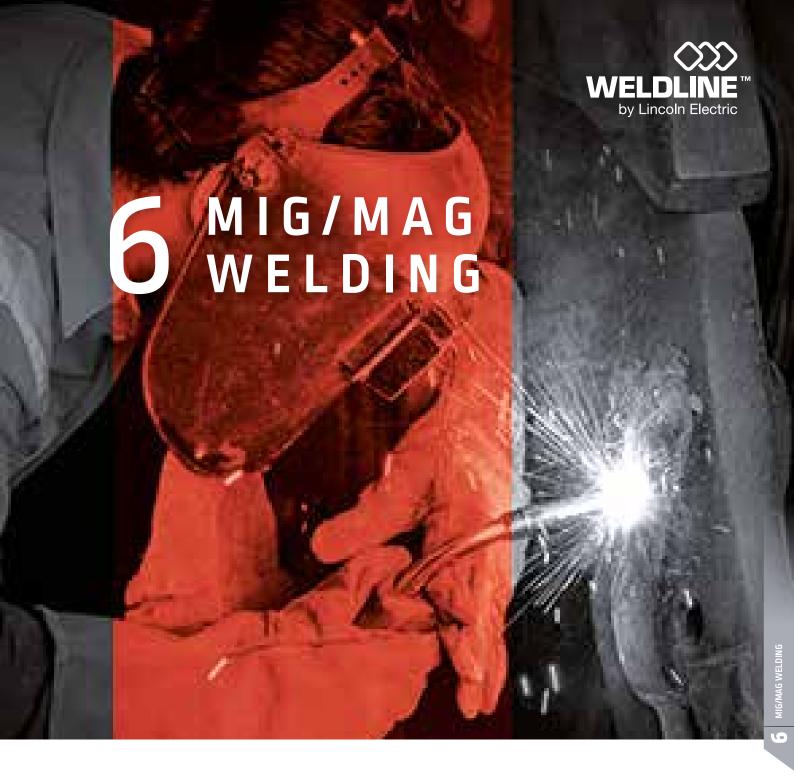
PLASMA-BOX LC65 W03X0893-113A



BEVEL TOOL
W03X0893-119A





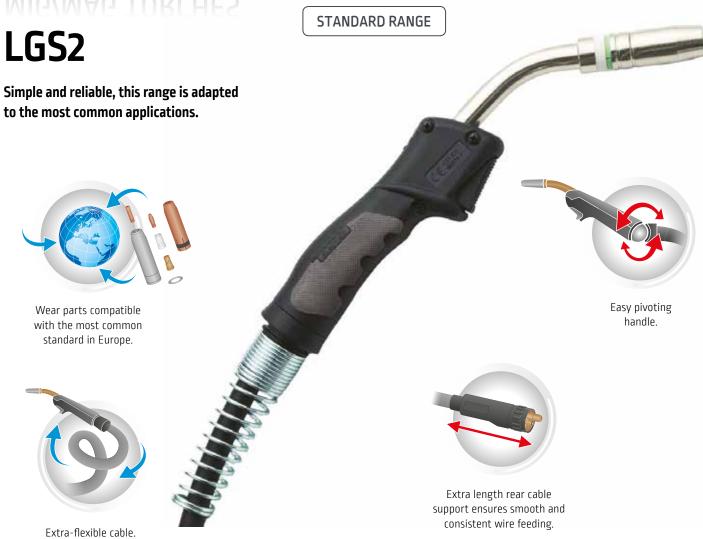


WELDING TOOLS AND ACCESSORIES

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◆ Other accessories	88



MIG/MAG TORCHES



MO	DEI		WATER COOLING			
MODEL		LGS2-150G	LGS2-250G	LGS2-240G	LGS2-360G	LGS2-505W
Duty cycle (CO₂ shielding gas)		180 A @ 60%	230 A @ 60%	250 A @ 60%	330 A @ 60%	500 A @ 100%
Applications		Thin plates, automotive industry	Thin plates, light fabrication	Thin plates, light fabrication	Vessel manufacture, steel structures	Heavy duty, high production
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	Contact tip	0.8 mm	1.0 mm	1.0 mm	1.2 mm	1.2 mm
equipment	Conical nozzle	12 mm	15 mm	12.5 mm	16 mm	16 mm

To order										
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					



MIG/MAG TORCHES

Wear parts for LGS2 torches



000	7007		3		1	4		2	2004			1	4	2	5			
		Ø		1	2	3	Nozzle	S	iteel or PTFE line	er	ſſ	Aluminium kit	o.,	1.	4			
		mm		Contact tip	Contact tip holder	Nozzle	spring	3 m	4 m	5 m	,	TFE/bronze) lin	er	Standard	nsulating diffuse High temperature	Ceramic		
	Steel steel liner	0.6		W000010820 W000010823* W000010821 W000010824*		W000010787 (Con. D10)		W000010730 (blue)	W000010731 (blue)	W000010732 (blue)								
LGS2 150G	fwith	1.0	M 6 x 25	WP10440-09 W000010822 W000010825*	W000277903	W000010786 (Con. D12.5) W000010788 (Cyl. D16)	W000277448	W000010733 (red)	W000010734 (red)	W000010735 (red)	-	-	-	-	-	-		
	Aluminium	0.8		WP10440-08A		WP10468 (Innershield)		WP10422-3M (blue)	WP10422-4M (blue)	WP10422-5M (blue)								
	Alu	1.0		WP10440-10A				W000010736 (red)	W000010737 (red)	W000010738 (red)	WP10419-3M (red)	WP10419-4M (red)	WP10419-5M (red)					
	ineri	0.8		W000010826 W000010830* WP10441-09				(blue)	(blue)	W000010732 (blue)								
LGS2 250G	Steel (with steel liner)	1.0		W000010827 W000010831* W000010828 W000010832*	W000010720	W000010791 (Con. D11) W000010790 (Con. D15)	W000277477	W000010733 (red)	W000010734 (red)	W000010735 (red)	-	-	-	-	-	-		
_	Aluminium	0.8		WP10441-08A		W000010792 (Cyl. D20)		WP10422-3M (blue)	WP10422-4M (blue)	WP10422-5M (blue)								
	Aluminium (with PTEE lines)	1.0		W000010850 W000010851				W000010736 (red)	W000010737 (red)	W000010738 (red)	WP10419-3M (red)	WP10419-4M (red)	WP10419-5M (red)					
	li liner]	0.6		W000010820 W000010823* W000010821 W000010824*				W000010730 (blue)	W000010731 (blue)	W000010732 (blue)				WP10404-STD WP104				
LGS2 240G	Steel (with steel liner)	0.9 1.0	M 6 x 25	WP10440-09 W000010822 W000010825* WP10440-12 WP10440-12C*	WP10455-1	WP10461-9 (Con. D10) I WP10461-4 (Con. D12.5)	-	W000010733 (red)	W000010734 (red)	W000010735 (red)	-	-	- W		WP10404-HT	WP10404-CR		
	Aluminium	0.8		WP10440-08A WP10440-10A								WP10422-3M (blue) W000010736	WP10422-4M (blue) W000010737	WP10422-5M (blue) W000010738	WP10419-3M	WP10419-4M	WP10419-5M	
	7 3	0.8		WP10440-12A W000010834				(red) W000010730 (blue)	(red) W000010731 (blue)	(red) W000010732 (blue)	(red)	(red)	(red)					
LGS2 360G	Steel fwith steel liner)	1.0 1.2 1.32 1.4 1.6	M 8 x 30	W000010840* W000010835 W000010836 W000010836 W000010842* WP10445-132C* W000262703 W000010837	W000010722 (M8)	W000010795 (Con. D12) W000010794 (Con. D16)	-	W000010867 (yellow)	W000010734 (red) W000010868 (yellow)	W000010735 (red) W000010869 (yellow)	-	-	-	W000010780	W000010780	W000010781 W0000	W000010782	
_	ium F Liner	0.8		W000010843* WP10445-08A W000010853		(Cyl. D20)		(blue)	WP10422-4M (blue)	WP10422-5M (blue)	WD10410 2M	W/D10410 AM	WP10419-5M					
	Aluminiui (with PTEE)	1.0 1.2 1.6		W000010853 W000010854 W000010855				W000010736 (red) W000010745 (vellow)	W000010737 (red) W000010746 (yellow)	W000010738 (red) W000010747 (vellow)	WP10419-3M (red)	WP10419-4M (red)	(red)					
		0.8		W000010834 W000010840* W000010835				W000010730 (blue)		W000010732 (blue) WP10410-5M								
	Steel	1.0		W000010841* W000010836		Monograzas		(uncoated)	(uncoated)	(uncoated)								
LGS2 505W	St	1.32 1.4 1.6	M 8 x 30	W000010842* WP10445-132C* W000262703 W000010837 W000010843*	W000010724 WP10456-6 (Heavy duty)	-6 W000010797 -	-	WP10411-3M (uncoated)	W000010740 (uncoated)	W000010741 (uncoated)	-	-		W000010783	W000010784	W000010785		
	E i	0.8		WP10445-08A		(Cyl. D20)		WP10422-3M (blue)	WP10422-4M (blue)	WP10422-5M (blue)								
	Aluminium	1.0		W000010853 W000010854	-			W000010736 (red) W000010745	W000010737 (red) W000010746	W000010738 (red) W000010747	WP10419-3M (red)	WP10419-4M (red)	WP10419-5M (red)					
0			mor	W000010855	 * CuCr7r co:	ntact tinc		(yellow)	(yellow)	(yellow)	-	- Isolat	ing washer	To orde	WP10450	-l 77		

Original equipment parts * CuCrZr contact tips







ZIRCONIUM CONTACT TIP

LGS2 MIG/MAG torches can be equipped with CuCrZr contact tips that bring excellent performances compared to standard copper contact tips (Cu).

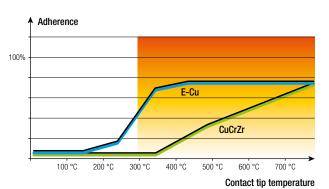
The wear:

The electrical conductivity being superior in a CuCrZr alloy, the arc transfer will meet less resistance and the contact tip will wear out less rapidly.

The lifetime:

The mechanical and thermal resistances also being superior to a copper alloy, the constraints, especially due to the wire friction and to the arc temperature, will be better tolerated with a CuCrZr contact tip.

Used in robotic welding for these advantages, the CuCrZr contact tip can improve the manual MIG/MAG welding performances as well.



Torch model	Screw thread	Wire diameter (mm)	To order
		0.6	W000010823
LGS2 150 G /	M6 x 25	0.8	W000010824
LGS2 240 G	INIO X 25	1.0	W000010825
		1.2	WP10440-12C
		0.8	W000010830
LGS2 250 G	M6 x 28	1.0	W000010831
		1.2	W000010832
		0.8	W000010840
		1.0	W000010841
LGS2 360 G / I GS2 505 W	M8 x 30	1.2	W000010842
2032 303 11		1.32	WP10445-132C
		1.6	W000010843

MAINTENANCE BOXES

MIG-BOX for LGS2

The storage you were missing!



Features:

- ◆ Dimensions 36 x 24 x 5 cm.
- Plastified pieces guide included.
- ◆ Untill 80 consumables.

Features & benefits:

- ◆ No more losses.
- ◆ All the pieces on hand.
- Wear parts compatible with the most common standard in Europe.
- ◆ Ready-to-use.



MIG-BOX LGS2 150G

To order W000387234

To order WP10429-K240

MIG-BOX LGS2 240G

MIG-BOX LGS2 250G

To order W000387235

MIG-BOX LGS2 360G

To order W000387236

MIG-BOX LGS2 505W

To order W000387237



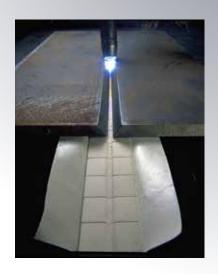


CERAMIC BACKINGS

Choice of KERALINE slat type depending on the welding process

	MMA	TIG	MIG/MAG	SAW
KERALINE TA 1	-	~	·	-
KERALINE TA 2	-	~	~	-
KERALINE TA 3	V	-	V	-
KERALINE TF 1	-	~	~	-
KERALINE TF 2	-	~	V	-
KERALINE TF 3	~	-	~	-
KERALINE TR 1	~	-	~	-

MMA	TIG	MIG/MAG	SAW
/	-	/	-
>	-	>	-
>	-	>	-
>	-	>	-
>	-	>	-
>	'	>	~
~	~	V	~
	\(\times \) \(\t	V - V - V - V - V V	V - V V - V V - V V - V



Ceramic on aluminium-tape

Туре	To order	Dimensions (mm)	3D diagram	Application	Packing
KERALINE TA1 - 6 mm	W000010391	27 8 + 6 - 7 - 1 8 + 7 - 1 8 + 7 - 1			
KERALINE TA2 - 9 mm	W000010392	27 +	200		600 mm / piece 10 pieces per bag (6 meters)
KERALINE TA3 - 13 mm	W000010393	27 + 13 + 13 + 15 + 15 + 15 + 15 + 15 + 15			6 bags/carton (36 meters)
KERALINE TF1 - 6 mm	W000010394	27 + 6 + C + C + C + C + C + C + C + C + C			
KERALINE TF2 - 9 mm	W000010395	27 ♥ ↓ 9 ♥ ↑ ↑	20		600 mm / piece 10 pieces per bag (6 meters)
KERALINE TF3 - 13 mm	W000010396	27 + 13 + 15 + 15 + 15 + 15 + 15 + 15 + 15			6 bags/carton (36 meters)
KERALINE TR1 - 6 mm	W000010397	Ø 6			600 mm / piece
KERALINE TR2 - 7 mm	W000010398	Ø 7			50 pieces per bag (30 meters) 5 bags/carton (150 meters)
KERALINE TR3 - 8 mm	W000010399	Ø 8			600 mm / piece 20 pieces per bag (12 meters) 8 bags/carton (96 meters)
KERALINE TR4 - 9 mm	W000010400	Ø 9	2	1111	600 mm / piece 20 pieces per bag (12 meters) 7 bags/carton (84 meters)
KERALINE TR5 - 12 mm	W000010401	Ø 12			600 mm / piece 20 pieces per bag (12 meters) 5 bags/carton (60 meters)
KERALINE TR6 - 15 mm	W000010402	Ø 15			600 mm / piece 15 pieces per bag (9 meters) 5 bags/carton (45 meters)

Ceramic on metallic support

Туре	To order	Dimensions (mm)	3D diagram	Application	Packing
KERALINE TM1 - 13 mm	W000010403	24 - 13 0 0	110		600 mm / piece 10 pieces per bag (6 meters) 7 bags/carton (42 meters)
KERALINE TM2 - 18 mm	W000010404	34 18 18 10 10 10 10 10 10			600 mm / piece 9 pieces per bag (5.4 meters) 5 bags/carton (27 meters)



OTHER ACCESSORIES

SPRAYMIG H₂O / **CERASKIN**



FLUXO S 190 / P 125 / R 175



See page 100

GALVASPRAY





See page 52

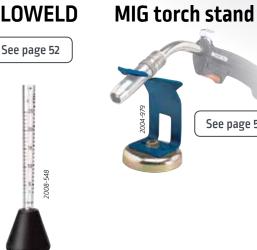
MIG IRON PROTECT +



EUROSPEED LS



FLOWELD







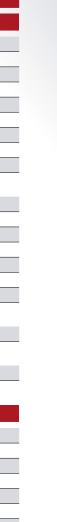
Hoses / Automatic roller for oxygas hoses	. 89
• Quick action coupling	- 91
· Cutting nozzles and other flame accessories	92





HOSES

Gas	Ø (mm)	Maximum pressure (bar)	Coil length (m)	To order
Single hoses				
Acetylene	6.3 x 12	10	5	W000010055
Oxygen	6.3 x 12	10	5	W000010056
Acetylene	6.3 x 12	10	10	W000010081
Oxygen	6.3 x 12	10	10	W000010057
Acetylene	6.3 x 12	10	20	W000010058
Oxygen	6.3 x 12	10	20	W000010059
Acetylene	6.3 x 12	10	40	W000010060
Oxygen	6.3 x 12	10	40	W000010061
LPG*	6.3 x 12	10	20	W000010052
LPG*	6.3 x 12	10	40	W000010062
Acetylene	10 x 16	20	10	W000010064
Oxygen	10 x 16	20	10	W000010065
Acetylene	10 x 16	20	20	W000010066
Oxygen	10 x 16	20	20	W000010067
Acetylene	10 x 16	20	40	W000010068
Oxygen	10 x 16	20	40	W000010069
LPG	10 x 16	20	20	W000010053
LPG/Acetylene*	10 x 16	20	40	W000010071
Oxygen	8 x 14	20	50	W000010079
Acetylene	8 x 14	20	50	W000010080
Argon	6.3 x 12	10	40	W000010072
Argon	10 x 16	20	40	W000010073
Twin hoses				
TWIN (Oxygen - Acetylene)	6.3 x 12	10	20	W000010077
TWIN (Oxygen - Acetylene)	6.3 x 12	10	40	W000010063
TWIN (Oxygen - Acetylene)	8 x 14	20	50	W000010078
TWIN (Oxygen - Acetylene)	10 x 16	20	20	W000010054
TWIN (Oxygen - Acetylene)	10 x 40	20	40	W000010070
TWIN (Oxygen - LPG)*	10 x 16	20	40	W000010076
TWIN (Ox-Ad)	10 x 16	20	40	W000010070
* Propylene excluded				







-2 MPACK DECISION WILLIAMS - 10



THE DATE PRINTED ON THE HOSE IS THE MANUFACTURING DATE

AUTOMATIC ROLLER FOR OXYGAS HOSES

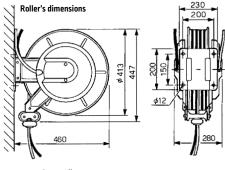
TUBEREEL

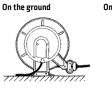


Automatic roller for twin hoses diameter 8 or 10 mm.

- ◆ Automatic roller for twin hoses diameter 8 or 10 mm.
- ◆ Allows the operator to choose the hose length suitable to his application
- ◆ Maximum length for inside diameter 8 mm: 20 m
- ◆ Maximum length for inside diameter 10 mm: 15 m
- ◆ Provided without hoses

To order W000260575











QUICK ACTION COUPLINGS

QUICKMATIC II

QUICKMATIC II is the new range of quick couplings designed and manufactured by Weldline.

Safety, Performance and Easy to Use are keys words that characterize this new range.

QUICKMATIC II is avalable in several versions:

- ◆ By type of gas presence of a mechanical coding
- For mounting on the regulator, between pipes and on the blowpipe
- ◆ With integrated FBA (Flash Back Arrestor)

Advantages:

◆ Safety

- Gas flow stopped during disconnection due to an internal mechanism
- Specific design limiting accidental disconnections

◆ Ease of use and ergonomics

- «Push System» connection with automatic locking
- Studied design to allow to use with one hand

◆ Perfomances

- 4 levels of tightness
- Compatible with any welding or cutting blowpipe thanks to limited pressure looses

To order

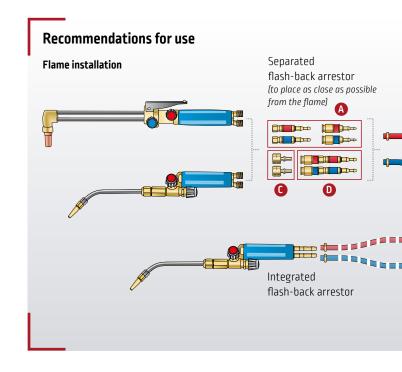
Connection between hoses (A)

OLUCKMATIC II	Ø hoses	To order			
QUICKMATIC II	(mm)	Female connector	Male connector		
1 Fuel Gas	6.3 and 10	W000011002	W000011005		
ruei das	6.3 and 8	W000386369			
Ourgon	6.3 and 10	W000011001	W000011004		
2 Oxygen	6.3 and 8	W000386370			
3 Neutral gas (Argon,)	4 and 6.3	W000011003	W000011006		

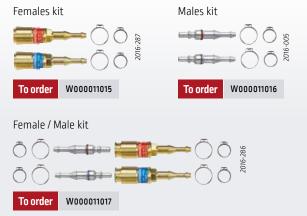
Regulator conr	nection 📵				
QUICKMATIC II	Thread	Ø hoses	To or	der	
QUICKMATICII	IIIIEdu	(mm)	Female connector	Male connector	
A Fuel gas	M16 x 150 Left	6 and 10	W000011008	W000011005	
4 Fuel gas	3/8" Left	o anu io	W000011011	WUUUUIIUUS	
	M16 x 150 Right		W000011007		
5 Oxygen	3/8" Right	6 and 10	6 and 10	W000011010	W000011004
	1/4" Right		W000011009		
	12 x 100 Right		W000011012		
6 Neutral gas (Argon,)	3/8" Right	4	W000386358	W000011006	
v go,	1/4" Right		W000386359		
4	•	3	6		
	2016-289		2016-290	20146-292	









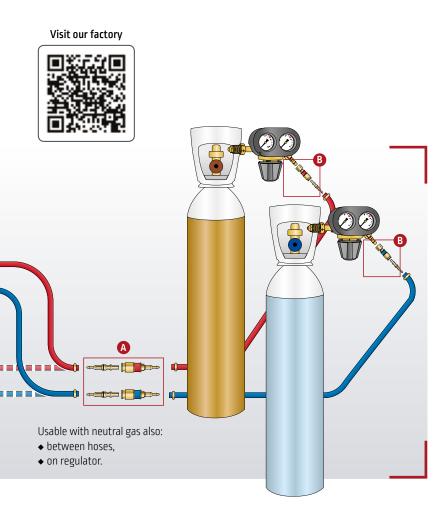


Blow	pipes'entr	y conne	ction 😉		0
QUI	CKMATIC II	Thread	To order		
•	Fuel gas	16 x 150 Left	W000011014	Male connector	2004-820
V	Oxygen	16 x 150 Right	W000011013		20
		Rigiit			

QUICKMATIC II with in	itegrated FBA 🕕

QUICINITIE II WICE	3		
SECURTOP 662	Inlet hoses (mm)	Outlet	To order
Overgen	Ø 6.3 and 10		W000386367
Oxygen	Ø 6,3 and 8		W000386368
Fuel Gas	Ø 6.3 and 10	QUICKMATIC II female	W000386365
Fuel Gas	Ø 6.3 and 8		W000386366
101 O F .l	Ø 6.3 and 10		W000400169
Kit Oxygen + Fuel gas	Ø 6.3 and 8		W000400170
$\bigcirc\bigcirc =$		THE REAL PROPERTY.	W)



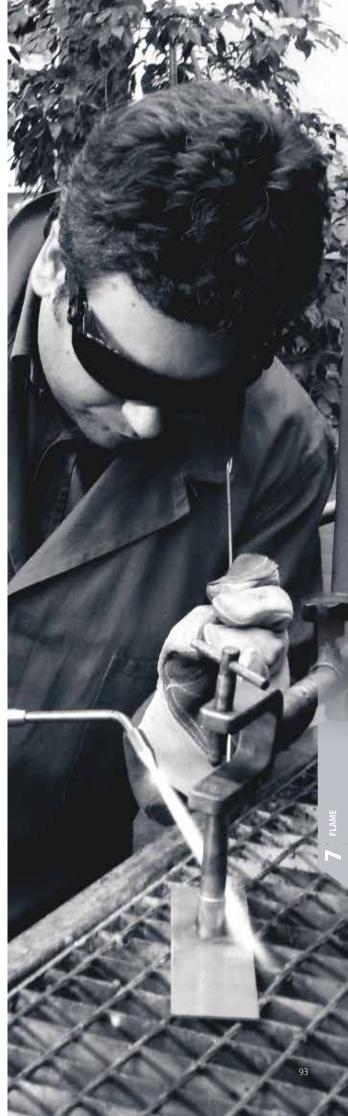


Mounting on thread			
QUICKMATIC II	Thread	To order	
8 Fuel gas	16x150 Left	W000386360	
Fuergas	3/8 Left	W000386362	Female
	16x150 Right	W000386361	coupling
Oxygen	3/8 Right	W000386363	
	1/4 Right	W000386364	
8	2016-295		2016-296

Technical characteristics and usable gases:

Label		Gas		Pressure	Max Flowrate
Letter	Color	Name	Letter	max. (bar)	(m³/h)*
		Acetylen	А	1,5	14
		Propane	Р	5	22
F	Red	Hydrogen	Н	10	215
· •	Reu	Methane	М	5	40
		MPS	Υ	5	24
		Propylene	L	5	22
0	Blue	Oxygen	0	20	65
		Air	D		90
N	Black	CO ₂	В	20	73
		Nitrogen, neutral gas	N		92

^{*} Maximal flowrate without flash-back arrestor





CUTTING NOZZLES AND ACCESSORIES

G1 cutting nozzles and IC cutting nozzles

W000262063

W000262064

W000262065





80-120

120-200

200-300

W000262095

W000262096

W000262097

20/10

25/10

30/10

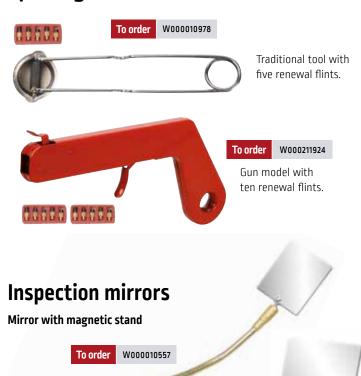
Propane			Propane
W000262066	7/10	3-10	W000262098
W000262067	10/10	10-25	W000262099
W000262068	12/10	25-50	W000262100
W000262069	16/10	50-80	W000262101
W000262070	20/10	80-120	W000262102
W000262071	25/10	120-200	W000262105
W000262072	30/10	200-300	W000262106

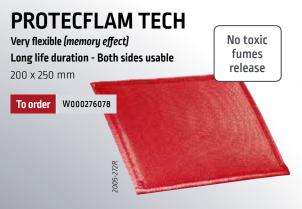






Spark lighter

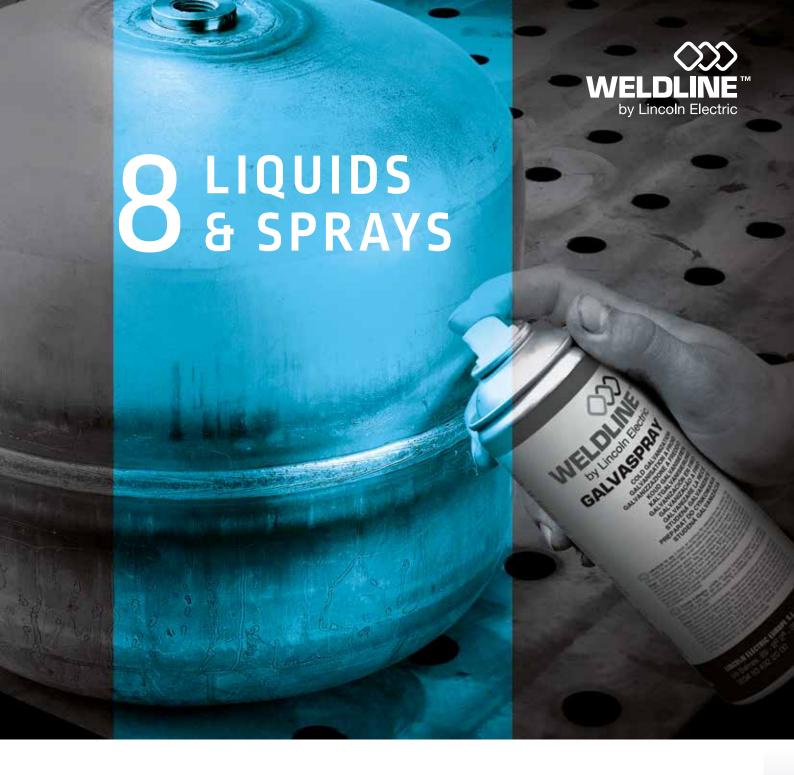






To order W000010558Spare part: mirror.





WELDING TOOLS AND ACCESSORIES

Anti-spatters	. 97
Anti-corrosion / Heat protection	. 98
Cracks detection	. 99
Non destructive cracks detection	100
Cooling liquid for torches / Leakage control	101
Stainless steels treatment	102
Cleaning, polishing and marking of stainless steels	103



ANTI-SPATTERS

CERASKIN

Welding anti-spatters spray with ceramic coating

CERASKIN is a rapid drving ceramic coating spray providing exceptional protection of welding equipment and welded parts from damage caused by spatters.

Product features:

- An exceptionally fast drying, long lasting and durable ceramic coating formulated to withstand the most demanding requirements in the professional welding environment.
- The ceramic base makes a barrier and prevents weld spatters adhering to welding equipment and welded parts.
- ◆ CERASKIN grants 8 consecutive hours welding work (1 working day), without any further adds of product.

◆ Volume: 400 ml (net) - 520 ml (nominal).





W000277679

SPRAYMIG H



SPRAYMIG SIB

Anti-spatters spray

- Silicone based.
- ◆ Do not for use on any parts that are about to be painted.
- Use on cold parts.
- Use on nozzles only and outside contact tip.

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.



W000011093

SPRAYMIG H₂0

Anti-spatters spray and liquid

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

Description:

- ◆ Spraymig H₂O silicone-free water-based anti-spatters based on highly efficient water soluble substances.
- It prevents spatters from sticking to nozzles, tips, and work pieces robots, and extends nozzle life considerably.
- It permits rapid changing and cleaning of the nozzles.
- Painting, galvanizing, lacquering of parts is possible.
- A preliminary test is recommended.
- Very low consumption for a high effectiveness.

Physical and chemical properties:

- Aspect: liquid uncoloured clear.
- ◆ Density at 20 °C: 1.00.
- ◆ Pure pH: 7.
- ◆ Volume: Spray: 400 ml (net), 520 ml (nominal) - Drum: 20 liters.
- Propellant gas: dimethylether.
- Base: water based emulsion of organic substances.

Spray [400 ml]

Drum [20 liters]

To order W000010001 To order

W000011074

CAUTION:

before use, carefully read

and understand the safety

datasheet available

on our websites

SPRAYMIG SVB

Anti-spatters spray

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

Specifications:

- ◆ SPRAYMIG SVB is an anti-spatters silicone free spray for welding applications.
- ◆ Volume: 400 ml (net) 520 ml (nominal).
- Propellant gas: aliphatic hydrocarbons.
- Base: biodegradable synthetic polymers.







To order W000011092

SPRAYMIG SVD

Anti-spatters spray

- Silicone free.
- ◆ Compatible with paint.
- Use on cold parts.
- ◆ Use on nozzles only and outside contact tip.
- Dichloromethane solvent.

Specifications:

- ◆ SPRAYMIG SVD is an anti-spatters silicone free spray for welding applications.
- ◆ Volume: 300 ml (net) 520 ml (nominal).
- Propellant gas: aliphatic hydrocarbons.
- Base: Synthetic oil not siliconic.
- Dichloromethane solvent.





To order



W000271574



ANTI-SPATTERS



NETMIG

Anti-spatters dip

To order W000011071

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

Specifications:

- ◆ Prevents spatters adhering:
 - To torch nozzles and contact tips,
 - To positioners and jaws of welding lathes.
- Does not clog threads or apertures.
- Does not cause porosity. Silicone and solvent free.
 Odourless.
- ◆ Base: waxes and oil.
- ♦ Volume: 300 gr.

ANTI-CORROSION

GALVASPRAY

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

Specifications:

- GALVASPRAY sprays a zinc protective finish.
- ◆ High resistance to oxidation and corrosion (more than 80 hours in salty fog)
- Quick drying (about 5 minutes) and no dripping.
- ◆ Volume: 400 ml (net) 520 ml (nominal).
- Propellant gas: propane/butane.
- Base: zinc powder in a vegetal resin.

Instructions for use:

- ◆ Clean and degrease the area to be treated.
- ◆ Shake the can before use at least for 1 minute.
- Spray at 25 cm distance from the piece by short and regular passes.





HEAT PROTECTION

THERMISHIELD

Heat shield gel

Description:

- It is designed to stop heat from travelling through most metals during welding, brazing or soldering.
- It prevents from distortion of metals and even plastics caused by the heat of a welding torch.
- ◆ Volume: 500 ml

Instructions for use:

- Shake well before use and spray the product over the surface to be protected.
- Use in well ventilated areas only.



GALVASPRA)

W000011094

To order



W000274839

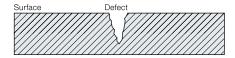


CRACKS DETECTION

REACH Ready

FLUXO

This non destructive technique allows the detection of cracks opening on the surface of the plate helping a visual control, due to the cracks becoming visible (30 to 50 µm).



A wide range of materials:

Steel, ceramic, plastic, glass...

Many industries:

- ◆ Boilers maker ◆ Founders ◆ Petrochemical
- ◆ Railway ◆ Nuclear ◆ Shipyard ◆ Automotive...



+ Product:

- ◆ Perfect cleaning without dry rest.
- ◆ Quick drying (evaporation).
- ◆ Spray: Spraying in all positions.

Spray based on Butane (extremely flammable). Solvant: Heptane.

 ${\it Necessity for protection (petroleum based) solvant.}$



Penetrant spray

Product: FLUXO P125 - PENETRANT



+ Product:

- ◆ Temperature of use: 0 °C to 50 °C. Easy to use even on hot plates.
- Good impregnation. A single spray lasts more than 30 min without drying.
- Powerful penetration. Due to its viscosity.
- ◆ Spray: works in all positions.
- ◆ Very good identification of cracks under white light.
- ◆ Easy to remove with water. No "ground" noise.

Butane/propane spraying (extremely flammable).









Cleaning

Product: water



O Developer

Product: FLUXO R175 - DEVELOPER



+ Product:

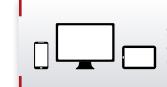
- ◆ Thin and uniform film and transparent film. After drying, the white surface appears.
- Very good surface coverage due to the thin granulometry.
- Quick drying of the solvent included in the develoner
- Spray: works in all position.
- Very good identification of the cracks under white light.

Butane/propane spraying.

6 Inspection of the defects



Cracks are visible at the surface of the plates, thanks to clear vivid red indications easily seen by the naked eye (no UV light required).



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





NON DESTRUCTIVE CRACKS DETEC

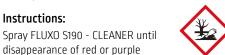




FLUXO S190 -**CLEANER**

Piece degreasing & cleaning of penetrant excess.

Pieces degreasing before application of the penetrant.





◆ Volume : 500 ml (net) -650 ml (nominal).

PENETRANT traces.



W000374827



FLUXO P125 -**PENETRANT**

Type II - level 2 - Methode AC Non destructive testing.

Localization of the emerging defects. Water rinse. Without rhodamine. Use temperature 0°C - 50°C.

Instructions:

Be sure the area is clean. Spray at 20 cm FLUXO P125 - PENETRANT for a complete recover of the area. Let it penetrate at least 10 minutes. Rinse with FLUXO S190 - CLEANER or water. Control with FLUXO R175 - DEVELOPER.

- Propellant: Butane / Propane.
- ◆ Volume: 500 ml (net) 650 ml (nominal).





FLUXO R175 -**DEVELOPER**

Detection of cracks and surface faults.

Defects highlight by coloration of the penetrant. Daylight review.

Instructions: Be sure that the area is clean and without penetrant last trace.

Shake the can until hearing clearly the ball bearing. Spray at 20 cm for an uniform layer without super thickness. Wait a few minutes until obtaining a dry powdery film before examining the surface.

◆ Propellant: Butane / Propane.

◆ Volume: 500 ml (net) - 650 ml (nominal).



W000374826



CAUTION:

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

Also available: ARDROX

ARDROX 9PR5 CLEANER

Degreasing before application of the penetrant, elimination of revealer excess.

To order

W000374531

ARDROX 9VF2 PENETRANT

Localization of the emerging defects. 400 ml net.

To order W000374818

ARDROX NQ1 DEVELOPER

Drying compositions highlighting the defects after the revealer action, 400 ml net.

To order W000374532



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





FREEZCOOL (red) T°-27°C

FREEZCOOL is a highly elaborated cooling liquid. Its thermal stability and dielectric properties make a cooling liquid especially suitable for « high tech » systems. For manual equipment

General use:

- ◆ Cooling of induction furnaces
- ◆ Cooling of tack welding systems, plasma flares
- ◆ Air conditioning
- ◆ Electric generators
- Motorcar industry: engines cooling systems, engines and gearboxes testing benches.
- ◆ Cooling of radar systems.

Product benefits:

- ◆ Ensures an anti-freezing protection down to -27 °C
- ◆ High electrical resistivity
- ◆ Non volatile (no product losses)
- ◆ Chemically stable, does not polymerize
- ◆ Not corrosive
- ◆ Non toxic
- ◆ Non flammable

9.6 L

To order W000010167



Controls:

- Freezing point with a refract meter
- ◆ pH control

Physical properties:

- ◆ Physical form: red liquid
- Base: monopropylen glycol and water
- ◆ Specific gravity: 1.04 at 20 °C
- ◆ pH: 7+/-2
- ◆ Freezing point: -27 °C

Packaging:

FREEZCOOL is delivered in 10 kilos net weight, polyethylene drums. For any other type of packaging, please contact us.

Discover also

FREEZCOOL (green) T°-5°C

Coolant for welding and cutting torches. Less viscous, it contains antifreeze but in a less important proportion and is not corrosive for brass and copper circuit. It is less sensible to friction and therefore it has a more important flow rate.

For automation

9.6 L

To order

W000404005

LEAKAGE CONTROL

BUBBLE

A high-return product for leak detection suitable for all gases except high pressure oxygen > 150 bars.

- ◆ Volume: 500 ml (net) 650 ml (nominal)
- ◆ Propellant gas: denaturate hydrocarbure
- Base: mixture of foam compounds
- ◆ Temperature of application: -10 °C/+130 °C

To order

W000010963



CAUTION:

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

1000 BULLES

A leakage controller suitable for all gases except high pressure oxygen > 150 bars.

- ◆ Volume: 400 ml (net) 650 ml (nominal)
- ◆ Propellant gas: nitrogen protoxyde
- ◆ Base: lauryether natrium sulfate

To order W000011090



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

LIQUIDS AND SPRAY



TAINLESS STEEL TREATMENT

Weldline proposes a complete range of products for stainless steels treatment.

There are three essential phases for a good surface treatment:

Degreasing

Pickling

Passivation

The first two are «intermediate phases», which means that they can be repeated in different working stages. The third, passivation, always represents the final treatment step.

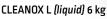
CLEANOX (Degreasing- Liquid)

Degreasing is the essential process before any thermal treatment. It avoids incidental $% \left(1\right) =\left(1\right) \left(1\right) \left$ remains of oil or dust which interact (contamination) with the metal during welding or thermal treatment of stainless steel. It can be repeated in the following phases, in case further thermal processing is required, before the final passivation.

How to use CLEANOX DEGREASER

Dilute the degreaser with 30% to 50% water and allow it to vaporize on the surface to be treated. Leave for a few minutes to allow the product to act and then rinse with clean water. Do not expose the product or treated surface to sunlight or to any atmospheric agents.





To order W000266423



CLEANOX L (liquid) 30 kg

To order W000266425



How to use PICKLINOX GEL or PASTE

sunlight or to any atmospheric agents.

(Pickling - Product in gel, paste or liquid)

Pickling is the operation that permits the remove of all oxides after welding, removing the surface layer following a thermal treatment. It is the most important step in the treatment process. A welding bead and generally a heated surface, lose their stainless property (Cr < 12%). For this reason, a pickling operation does not mean only cleaning the welding bead but it restores the stainless steel characteristics.

Degrease the surface to be treated with the specific CLEANOX product.

Then apply a coat of PICKLINOX paste or gel. The exposure time will

vary from a few minutes up to 30 minutes depending on the type of

steel being welded. At the end of treatment, remove the gel or the paste with clean water. Do not expose the product or treated surface to



PICKLINOX P (paste) 2 kg PICKLINOX G (gel) 2 kg

To order W000266426

PICKLINOX G (gel) 10 kg

To order W000266427



To order W000266428

PICKLINOX P (paste) 10 kg

W000266429 To order





To order W000266422





(Passivation - Product in gel)

This is the final phase of the process, and is absolutely necessary for restoring the stainless property. With passivation is created a « desired oxidation ». In fact this working phase restores the chromium layer damaged by heat shortening the spontaneous oxidation time. In this way, the oxide layer which protects the surface from external agents is restored.

How to use RESTORINOX

First degrease and pickle the part to be treated with CLEANOX and PICKLINOX. Then apply the product. The times required for exposure will vary from 20 minutes up to 60 minutes. At the end of the treatment remove the product with clean water. Do not expose the product or treated surface to sunlight or to any atmospheric agents.







RESTORINOX G (gel) 2 kg RESTORINOX G [gel] 10 kg

W000266430

W000266431 To order

RESTORINOX L (liquid) 30 kg To order W000266424







OPTICLEAN II

Inverter-technology installation for cleaning, polishing and marking of stainless steels. Use on TIG welds.

Your benefits:

- AESTHETIC: no stains on the steel after cleaning.
- ◆ ECOLOGICAL: no need to wear gloves or protective masks with the neutral solution. Large outdoor areas are not required: no toxic vapor emissions, no need for water treatment plant.
- ◆ ECONOMIC: no passivation after cleaning
- ◆ GAIN OF PRODUCTIVITY: no need to dip the pump into the liquid and to interrupt the operation several times.

Improvement of the quickness while increasing current. Efficiency increased with the carbon blush.

OPTICLEAN II	To order
Machine OPTICLEAN II including :	W000382322
Torch	W000275260
Torch support	W000382323
Torch support extension	W000382325
Ground cable	W000375139
Torch power cable	W000375141
2,5 mm Allen key	W000382326
Brush	W000382329
Standard graphite insert 90°	W000382571
Narrow graphite insert 90°	W000382572
Standard TIG Bond pad 90° (by 10)	W000272348
Narrow Tig Bond pad 90° (by 10)	W000272351
Brill Bomar solution (100 ml)	W000272347
Brill Bomar solution (1,5 l)	W000387219
Neutral Bomar solution (100 ml)	W000272038
Neutral Bomar solution (1.5 l)	W000387218
Neutralizing solution Inox Fit 500 ml	W000274842

Optional	To order
Marking Kit INCLUDING :	W000271936
Black marking electrolyte 100 ml	W000272041
Erosion white marking electrolyte 100 ml	W000382573
Graphite marking insert 35 mm	W000272039
Marking felts insert	W000272040

Marking stencils dimensions	To order
25 x 15 mm	W000386781
54 x 16 mm	W000386780
54 x 32 mm	W000386779
85 x 27 mm	W000386785
85 x 54 mm	W000386786
128 x 42,5 mm	W000386787
128 x 85 mm	W000386782
170 x 54 mm	W000386783
170 x 108 mm	W000386784

Available sizes for the marking : 54 x 32 mm / 85 x 54 mm / 128 x 42,5 mm / 170 x 54 mm.

You just have to send your logo with the chosen dimensions.

You can simply order the marking kit and a cliché, providing us with your logo or any other writing: you an mark the product at least 500 times!



Technical data	OPTICLEAN II	
Supply Voltage	230 V / 1Ph	
Frequency	50/60 Hz	
Capacity	450 W	
Electrode Voltage	10/30 V AC/D	
Isolation Class	IP 23	
Noise level	< 10 dB (A)	
Machine weight (empty)	7 kg	
Machine dimensions	3 300 x 230 x 240 mm	



1 - Cleaning

Place the cleaning solution onto the torch and choose whether you want to use the pad or the brush, which gives better access to angles that are difficult to reach. Rub the weld till its colour becomes clean.



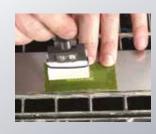
2 - Polishing

Place the polishing solution onto the torch and choose whether you want to use the pad or the brush. Rapidly, as you rub the weld, it will start to shine. Wipe your steel with a cloth rag in order to avoid stains.



3 - Marking

Take the appropriate suitcase containing both marking and eroding electrolytes. Rub the marking felt moistened with the electrolytic solution on the screen printing frame. Your logo is printed on the metal.

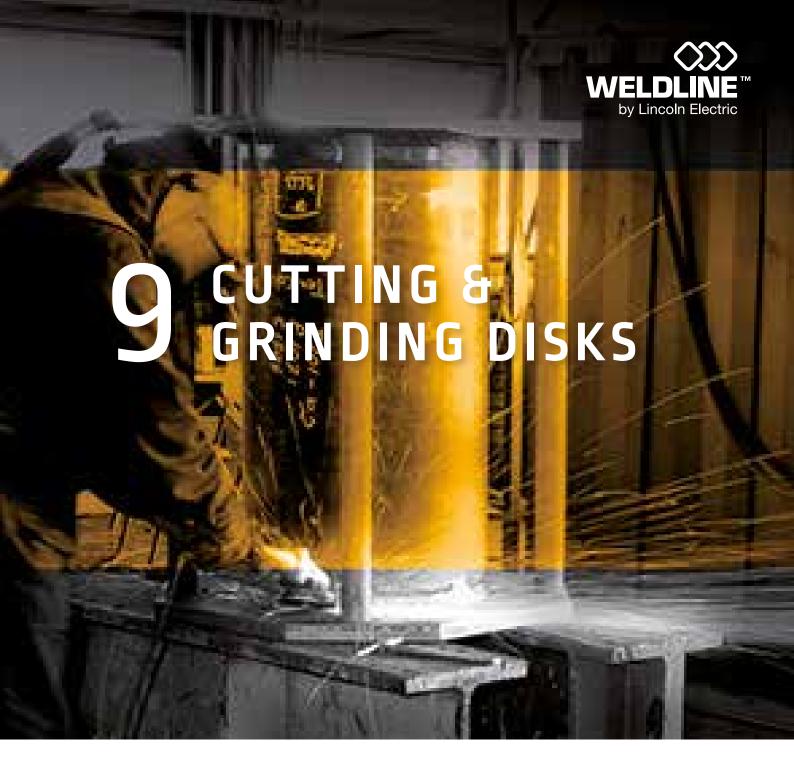


CAUTION:

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







WELDING TOOLS AND ACCESSORIES

◆ Cutting and grinding disks	106	-	108
◆ Grinding accessories			109

CUTTING AND GRINDING DISKS

Weldline is offering a range of cutting and grinding disks designed for the main applications of industrial customers.

- ◆ Two extra thin cutting disks of 1 mm for steel and stainless steel.
- Flat and depressed center, hard cutting disk range for structural steel.
- A range of hard grinding disks for structural steel.
- A range of abrasive flap disks for grinding, finishing and cleaning applications.

EN 12413 - EN 13743



When buying such products, always ask for OSA certification, a warranty that the product complies with the safety standard and the additional requirements of the Organisation for the Safety of Abrasives

Pictograms description







Red line means maximum speed 80 m/s

Wheel diameter	Maximum revolution at 80 m/s
115 mm	13 300 rpm
125 mm	12 250 rpm
180 mm	8 500 rpm
230 mm	6 650 rpm





CUTTING AND GRINDING DISKS

DUCTIFLEX PRO

Top quality cutting disks for professional use.

A range of high quality products providing an ideal balance between performance and life duration.

Characteristics:

- ◆ Maximum speed 80 m/s.
- ◆ Diameter 115 to 230 mm.
- ◆ Thickness 1.0 to 3.2 mm.
- Should be used within 3 years from the production date.
- Design for steel, except the extra thin disks designed for steel and stainless steel.



Dimensions	Shape	Use	Specification*	Unit / box	To order
115 x 1 x 22 mm	flat	steel/stainless steel	61A 60 S7 BF	50	W000261930
125 x 1 x 22 mm	flat	steel/stainless steel	61A 60 S7 BF	50	W000261930
115 x 1.6 x 22 mm	flat	steel/stainless steel	61A 60 S7 BF	50	W000335001
125 x 1.6 x 22 mm	flat	steel/stainless steel	61A 60 S7 BF	50	W000335002
115 x 2 x 22 mm	flat	steel	A 36 S7 BF	25	W000261932
125 x 2 x 22 mm	flat	steel	A 36 S7 BF	25	W000261933
180 x 2 x 22 mm	flat	steel	A 36 S7 BF	25	W000261934
125 x 1 x 22 mm	flat	alu	AC 46 S7 BF	50	W000401338
230 x 2 x 22 mm	flat	steel	A 36 S7 BF	25	W000261935
180 x 2.5 x 22 mm	flat	steel	A 36 S7 BF	25	W000261936
230 x 2.5 x 22 mm	flat	steel	A 36 S7 BF	25	W000261937
115 x 3.2 x 22 mm	flat	steel	A 36 S7 BF	25	W000261938
180 x 3.2 x 22 mm	flat	steel	A 36 S7 BF	25	W000261939
230 x 3.2 x 22 mm	flat	steel	A 36 S7 BF	25	W000261940
125 x 3 x 22 mm	depressed	alu	AC 36 S7 BF	25	W000401348
115 x 2.5 x 22 mm	depressed	steel	A 36 S7 BF	25	W000261941
115 x 3.2 x 22 mm	depressed	steel	A 36 S7 BF	25	W000335005
125 x 2.5 x 22 mm	depressed	steel	A 36 S7 BF	25	W000261942
125 x 3.2 x 22 mm	depressed	steel	A 36 S7 BF	25	W000335006
180 x 2.5 x 22 mm	depressed	steel	A 36 S7 BF	25	W000261943
230 x 2 x 22 mm	depressed	steel	A 36 S7 BF	25	W000335003
230 x 2.5 x 22 mm	depressed	steel	A 36 S7 BF	25	W000261944
230 x 3.2 x 22 mm	depressed	steel	A 36 S7 BF	25	W000335004



- Extra thin wheels providing a fast and economical cutting performance on steel and stainless steel.
- ◆ Extra long product life
- ◆ High cutting speed
- ◆ Specially efficient on steel bars, pipes, sheets or shaped sections
- No need to eliminate burr after cutting
- ◆ Less material waste



Same quality with depressed center







- Hard cutting disks for structural steel.
- ◆ Long life duration
- ◆ Iron and structural steel cutting

Recommendations:



Cutting will be faster by using a smaller contact surface between the disk and the work piece

^{*} Explanation of the specification: See next page

CUTTING AND GRINDING DISKS

DUCTIFLEX

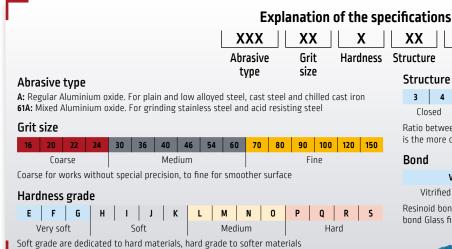
A grinding range for standard structural steel.

Characteristics:

- Steel surface cleaning, deburring, angle and corner dressing.
- Very good balance between performance and price, long life product.

Dimensions	Shape	Use	Specification	Unit / box	To order
115 x 6 x 22 mm	Depressed	Standard steel	A 30 S7 BF	10	W000261945
125 x 6 x 22 mm	Depressed	Standard steel	A 30 S7 BF	10	W000261946
180 x 6 x 22 mm	Depressed	Standard steel	A 30 S7 BF	10	W000261947
230 x 6 x 22 mm	Depressed	Standard steel	A 30 S7 BF	10	W000261948







is the more open structure is recommended

XX

Bond

V	В	BF	
Vitrified bonded	Resinoid bonded	Glass fibre	

Resinoid bond are more flexible, for dynamic and forceful use than vitrified bond Glass fibre increase the resistance specialty for heavy usage

DUCTIFLAP

Abrasive flap disks.

These disks are made by cutting abrasive fabrics, then cutting as flaps and bonding them on a fiberglass or nylon backing plate by an adhesive.

Our DUCTIFLAP disks are based on Zirconia Alumina, specially designed for steel, alloyed steel, non ferrous material; cast iron, wood and plastic. We use conical disks because it is possible to use them for curve surfaces, for edge grinding as well as lubricious or primed surfaces.

The grits are either 40, 60 or 80.

The types are no x 22 min
and 125 x 22 mm.
Bonding material: synthetic resibonding phenolic resins.
Backing plate: fiberglass or nylon (plastic).
Filler: kryolits, calcide.
Shape: flat or conical 15%.

the result is.					
	Grit	Unit/box	Shape		
Dimensions			15 % conical for fiberglass backing	Flat for nylon backing	
	40	10	W000264532	W000273754	
115 x 22 mm	60	10	W000264533	W000273759	
	80	10	W000335007	W000273758	
	40	10	W000264535	W000273757	
125 x 22 mm	60	10	W000264534	W000273756	
	80	10	W000335008	W000273755	



Temperature between 18 and 22 °C, relative humidity between 45 and 60%.

The speed of the machine must never exceed the maximum operating speed of the disk: 80 m/s.



BEING PRESENT LOCALLY

MAKES US MORE AWARE GLOBALLY



CUSTOMER ASSISTANCE POLICY

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