

8 - Welder protection



- Helmets and handshields..... 8-1 to 8-9
- Goggles and spectacles..... 8-10 to 8-14
- Welding glasses..... 8-15 to 8-16
- Leather clothes..... 8-17 to 8-22
- Gloves..... 8-23 to 8-30
- Cotton clothes..... 8-31 to 8-32
- Shoes..... 8-33 to 8-39



Helmets

Choice of head protection

Handshield would be chosen for punctual or discontinue use. In case of continual welding, a **helmet** is necessary.

Electronic helmet allows the welder to be protected immediately and automatically when the welding operation begins. The result is a better efficiency of his job, a better comfort, and at least a better result.

Electronic helmets could be with fixed or variable shades.

The choice is depending of the kind of process.

Handshield and passive helmets offer **light duty** or **heavy duty** products:

- **Light duty:** you will prefer thermoplastic products (light, low price, flexible)
- **Heavy duty:** generally polyester with fibreglass (heat resistant, spatter's resistance)

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

EN 175

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





CHAMELEON 3

3 new solutions, one new helmet

EN 175
EN 379



New design

Improved design and comfort

3 models:

- **CHAMELEON 3 F:** with fixed shade

Cat N°: W 000 261 351

- **CHAMELEON 3 V:** variable shade specially designed for MMA, MIG/MAG

Cat N°: W 000 261 352

- **CHAMELEON 3 V+:**

Variable shade covering all processes especially TIG

Cat N°: W 000 261 353



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

- Covering shape for an optimized head protection
- Silver color
- Adjustable head-gear delivered with comfort cushion
- Weight with ADF: CHAMELEON F: 410 g, CHAMELEON 3V and V+: 455 g
- Delivered with 5 outside protection plates and 3 inside protection plates.

New version with improved functionality. CHAMELEON 3 (V and V+) helmets, now incorporating new technological features:

- Auto on function: it is not necessary to push the "on" button before starting to weld. Automatic starting.
- Reset button: in the event of a dysfunction of the electronic system, press the reset button twice and this will re-initialize the original parameters.
- Grinding mode: a fixed shade 4 is activated, to ensure optimum protection when grinding.



CHAMELEON 3 F

MMA and MIG/MAG welding up to 175 A

- Type : fixed shade DIN 3/11
- ADF Dimensions : 110 x 90 x 5 mm
- Viewing area : 94 x 35 mm
- Light shade : DIN 3
- Dark shade : DIN 11
- Switching time light-dark: 1/3600 sec
- Switching time dark-ligh: 0.12 sec
- 2 independent optical sensors
- Solar cells power supply
- Permanent protection against UV and IR
- Conformity to **EN 379**
- Warranty: 2 years

Cat. N°: W 000 260 973



CHAMELEON 3 V

Current MMA and MIG/MAG welding

- Type : variable shade DIN4/9-13
- ADF Dimensions : 110 x 90 x 10 mm
- Viewing area : 97 x 47 mm
- Light shade : DIN 4
- Dark shade : Variable from 9 to 13
- Switching time ligh-dark: 1/16000 sec
- Switching time dark-ligh: adjustable between 0.1 and 1 sec
- Sensitivity adjustment
- 2 independent optical sensors
- Lithium battery 3V and solar cells power supply
- Permanent protection against UV and IR
- Conformity to **EN 379**
- Warranty: 2 years

Cat. N°: W 000 260 972



CHAMELEON 3 V+

All processes including TIG welding

- Type : variable shade DIN4/9-13
- ADF Dimensions : 110 x 90 x 10 mm
- Viewing area : 97 x 47 mm
- Light shade : DIN 4
- Dark shade : Variable from 9 to 13
- Switching time ligh-dark: 1/20000 sec
- Switching time dark-ligh: adjustable between 0.1 and 1 sec
- 2 independent optical sensors high sensitivity
- Lithium battery 3V and solar cells power supply
- Permanent protection against UV and IR
- Conformity to **EN 379**
- Warranty: 2 years

Cat. N°: W 000 260 971



ZEPHYR HELMET

The ultimate protection of the Welder

Discover a new full solution designed to protect your welders in the best way of efficiency and comfort.

With the ZEPHYR solution, you will find in a rugged transport bag:

- the ZEPHYR 4000 or 3000 helmet,
- the ZEPHYR air flow system,
- a protected hose insuring the connection,
- a shoulder strap,
- a battery charger,
- a flow-meter,
- one extra filter.

EN 175

EN 379



2008-247

Helmet with powered air purifying respirator



2008-242

The ZEPHYR Helmet

ZEPHYR insure you higher comfort and protection with a new high performance liquid crystal cell, an extra-wide vision and an extreme reliability.

ADF and protection plate are **easy extractable** with a pressure on the push button.

Adjustable head gear (4 positions), optimized design to insure a good covering of the head, and a light weight.

Two ADFs with wide vision field

Advance 3000 ADF V4/9-13

The new version **Advance 3000** presents 3 innovations:

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



2006-458

Advance 4000 ADF V4/9-13

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

- 4 adjustment modes from an LCD screen with digital keys:
- Welding: variable shades 4/9-13, 4 optical sensors, regulation of the sensitivity and of the return to a clear shade.
- Grinding: activation of the filter in clear shade level 4.
- Cutting, low current welding: adjustable shades 5 to 9 for TIG process low intensity, microplasma, oxyacetylenic welding...
- "X mode": adjustable shade 4*9-13 with magnetic sensors for outside or obscured arc welding...



WV-401W (1)

Technical characteristics of the Advance ADFs

	Advance 3000 V4/9-13 ADF	Advance 4000 V4/9-13 ADF
Optical class	1 / 3 / 1	1 / 3 / 1
Switching time ligh-dark	0.0005 second	0.0005 second
Switching time dark-ligh	Adjustable between 0.1 and 1 sec	Adjustable between 0.1 and 1 sec
Sensitivity adjustment	Uninterrupted	10 positions per digital keys
Sensors	4 independent optical sensors	4 independent optical sensors turning magnetic in "X mode"
Viewing area	97 x 60 mm	97 x 60 mm
Light shade	Shade 4	Shade 4
Dark shade	Adjustable with potentiometer from 9 to 13	Adjustable with digital key from 9 to 13
Grinding mode	Yes - shade 4	Yes - shade 4
Cutting / flame welding mode	No	Yes - shade 5 to 9
Constant protection UV / IR	Yes	Yes
Power supply	Lithium CR2450 3 Volt batteries	Lithium CR2450 3 Volt batteries
Solar cells	Yes	Yes
Working temperature	-5 °C to +55 °C	-5 °C to +55 °C
Storing temperature	-30 °C to +70 °C	-30 °C to +70 °C
Eyes protection standard	CE EN 379	CE EN 379



The ZEPHYR air flow system

Air flow system: **2 flows rates** (low 160 l/min and high 200 l/min).

This equipment includes an indication of the **flow chosen**, 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 are made in **flame retardant material**, a big advantage also. The belt includes a **cushion** insuring a good level of comfort.

Disconnecting the battery is easy with only one button to push.

It is a **lithium battery with a 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-Ion battery before recharging it.

Opening the filter is also easy with a quarter left, two symbols indicate if it's locked or open and when the filter box is open, the indications are also written indicating the positions.



EN 12941-TH2P

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 fume, odour

The whole system is water proofed

Hose connection and hose cap

The connection between the flow system and the helmet is made through a hose. The connection with the air flow system is **water proofed**. With the helmet, it is a **quick connection** allowing a good flexibility when the welder turns the head. The hose is protected with an outer covering (75% cotton, 25% Kevlar)



Join us on the ZEPHYR green welding

To order:

- **Complete ZEPHYR**
solution with Advanced 4000 ADF:
Cat N°: W 000 271 201
- **Complete ZEPHYR**
solution with Advanced 3000 ADF:
Cat N°: W 000 271 202
- **ZEPHYR shell without lens**
Cat N°: W 000 271 212
- **Comfort Belt**
Cat N°: W 000 271 203
- **Shoulder strap**
Cat N°: W 000 271 204
- **Hose 110 cm**
Cat N°: W 000 271 205
- **Hose protective cover**
Cat N°: W 000 271 206

- **Pre filter**
Cat N°: W 000 271 207
- **Particle filter P3**
Cat N°: W 000 271 208
- **Carbon filter (odours filter)**
Cat N°: W 000 271 209
- **Battery (standard)**
Cat N°: W 000 271 210
- **Battery (Long life)**
Cat N°: W 000 274 379
- **Battery charger**
Cat N°: W 000 271 211
- **Advanced 4000 filter alone**
Cat N°: W 000 260 974
- **Advanced 3000 filter alone**
Cat N°: W 000 260 839



Flow circulation

You can choose between:

- a **top down air flow**, coming from the top of the helmet (1)
- or a **lateral flow** coming from each side at the mouth level (2),
- or a mixed of this two solutions.

This feature insures also a very good comfort to the welder.

Handshields

“Light” solutions



HAND TP

SOLIDO



“Heavy duty”

SUPER AIGLON



SUPER ECLIPSE

Helmets



TP

SOLIDO



**SOLIDO
Flip up**



FG

SUPER NILMELIOR



Passive helmets and handshields



WELDLINE

solutions

HAND FG



**HAND FG
Lift**

Particular uses

Grain leather



Folding mask



**SUPER ROBUR
Flip up**

WELDLUX



SUPER ROBUR



Adjustable headgear "A"



Headgear "B"



**Leather
protection**



Sweat band

Tel.: + 33 134 213 333 - Web: www.weldline-alw.com

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PROFESSIONAL WELDING PRODUCTS BY



8-6

“Light” solutions

HAND TP



- Thermoplastic handshield
- Light weight: 332 gr
- Medium resistance
- Low price

Single window 75 x 98 mm

Cat N°: W 000 011 121

Single window

105 x 50 mm or 108 x 51 mm

Cat N°: W 000 335 125

SOLIDO



- Reinforced polypropylene
- Handshield
- Light and well balanced
- Good resistance < 100 °C
- Ergonomic form
- Optimized covering of the head
- 405 gr

Single window

105 x 50 mm or 108 x 51 mm*

Cat N°: W 000 335 126

* accept also 110 x 90 mm glasses

“Heavy duty” solutions

SUPER AIGLON

- Polyester reinforced fibreglass
- Inside handling
- Hand and face protected
- 500 grammes
- Excellent resistance < 400 °C

Window 105 x 50 mm
or 108 x 51 mm

Cat N°:
W 000 011 116

Window 110 x 90 mm

Cat N°:
W 000 011 117



SUPER ECLIPSE

- Polyamide
- Inside handling
- Lift system for the filtering lens to move it during pitting operation
- 520 grammes
- Excellent resistance < 400 °C

Window 105 x 50 mm
or 108 x 51 mm

Cat N°:
W 000 011 118



HAND FG

- Fibreglass
- Light weight: 315 gr

Window 110 x 90 mm

Cat N°:
W 000 011 122



HAND FG Lift

- Fibreglass
- Sliding knob opens
- 424 gr
- 100 x 25 mm window

Lift window 110 x 90 mm

Cat N°:
W 000 011 123





Passive helmets

“Light” solutions

TP

- Thermoplastic helmet
- Low price
- Single window 108 x 51, 98 x 75 mm or 110 x 90 mm
- Adjustable headgear “B”
- Delivered without glass
- 420 gr

Window 108 x 51 mm
or 105 x 50 mm

Cat N°: W 000 335 137

Window 110 x 90 mm

Cat N°: W 000 011 113

Window 98 x 75 mm

Cat N°: W 000 011 114



2007-833



2007-827

Helmet SOLIDO

- Reinforced polypropylene
- Glass easy to remove
- Good resistance < 100 °C
- Adjustable headgear “A”
- 350 gr

Window 105 x 50 mm
or 108 x 51 mm*

Cat N°: W 000 335 127

* accept also 110 x 90 mm glasses

SOLIDO Flip up

- Reinforced polypropylene
- Extra wide clear window when opened
- Glass easy to be removed
- Adjustable headgear “A”
- Good resistance < 100 °C
- 360 gr

Window 105 x 50 mm
or 108 x 51 mm

Cat N°: W 000 335 136



2007-826



WELDLINE

Passive helmets

“Heavy duty” solutions

FG

- Reinforced fibreglass
- Adjustable headgear “B”
- Delivered without window
- 414 gr

Window 105 x 50 mm
or 108 x 51 mm

Cat N°: W 000 011 103

Window 110 x 90 mm

Cat N°: W 000 011 104



2007-832



0950-69N

SUPER ROBUR

Window 105 x 50 mm
or 108 x 51 mm

Cat N°: W 000 260 437

Window 105 x 50 mm Flip up

Cat N°: W 000 335 130

Window 110 x 90 mm

Cat N°: W 000 335 129

- Polyester reinforced fibreglass
- Humidity and heat resistant (400 °C)
- Adjustable headgear “A”,
- 435 grammes

SUPER NILMELIOR

- Polyester fibreglass reinforced
- Heat resistant (170 °C)
- 555 grammes
- Adjustable headgear “A”

Double window
105 x 50 mm,
108 x 51 mm
or 105 x 32 mm

**Cat N°:
W 000 260 438**



0947-79N

WEDLUX

- Enveloping profile providing excellent throat and neck protection
- Fibreglass reinforced polyester
- Heat (170 °C) and humidity resistant
- Headgear with rack, rugged and very comfortable
- Very lightweight (390 grammes)

Ultra wide window
114 x 133 mm

**Cat N°:
W 000 335 131**





Passive masks: leather

Grain leather

- Grain leather
- Ideal for supervisors
- Very light(120 grammes)



Window
105 x 50 mm
or 108 x 51 mm

Cat N°:
W 000 011 115

Grain leather

- Ideal for working in extremely restricted areas
- Adjustable headgear
- 250 grammes



Lift Window 105 x 50 mm
or 108 x 51 mm

Cat N°:
W 000 011 135

Spare parts

Headgear "A"



For ROBUR, SOLIDO
and NILMELIOR helmets.

Cat N°:
W 000 011 137

Sweat band



Cat N°:
W 000 260 486

Headgear "B"



For TP and FG helmets.

Cat N°:
W 000 010 884

Leather protection



Cat N°: W 000 335 139

Headgear "C"



For WELDLUX helmets.

Cat N°:
W 000 335 158

Choice criteria:

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

Welding goggles or protective goggles.
Design or personal preference:

- **PILOT** range with round lenses
- **CLASSIC** range
- **FASHION** range

Verify the product conforms 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:

X - X.X X X X X

Possibilities:

- > **8**: Short circuit resistance
- > **9**: Spatter resistance
- > **K**: Abrasion resistance
- > **N**: Mist resistance
- > **T**: Temperature resistance between -5 °C to +55 °C

Resistance to impact:

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

Usage (Optical class):

- > **1**: Continuous use
- > **2**: Medium use
- > **3**: Occasional use

Manufacturer's identification

Numerical filter scale (protection level)

- > UV: **1.2** to **5**
- > Infrared (IR): **1.2** to **10**
- > Sun filters: **1.1** to **4.1**
- > Welding filters: **4** to **14**

Attention: 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 9-22)

Filter identification code

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

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

PILOT welding range

EN 166 - EN 169 - EN 175

PILOT FLIP UP

- Flip up lenses anti-scratch treated
- Elastic headband
- Indirect ventilation value
- Weight: 137 g



EN 175

Shade 5 - Cat N°:
W 000 011 046

PILOT 2 METAL

- Double cup metal frame with nose bridge adjustment
- Adjustable elastic headband
- Weight: 80 g



**EN 166
EN 169**

Shade 5 - Cat N°:
W 000 011 050

PILOT 1

- 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
- Weight: 60 g



**EN 166
EN 169**

Shade 5 - Cat N°:
W 000 011 047
Shade 6 - Cat N°:
W 000 011 048

PILOT 2 PLASTIC

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



EN 175

Shade 5 - Cat N°:
W 000 011 052

PILOT protection range

EN 166

PILOT 2 METAL

- Double cup metal frame with nose bridge adjustment
- Adjustable elastic headband
- Weight: 80 g



Clear - Cat N°:
W 000 011 051

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
- Weight: 60 g



Clear - Cat N°:
W 000 011 049

CLASSIC welding range

EN 175

CLASSIC OVER

- Over spectacles
- PC anti-scratch treated lens
- Weight: 40 g
- Side ventilation



Shade 5 - Cat N°:
W 000 011 054

CLASSIC WELDING

- Anti-scratch surface
- Nylon frame and side shields
- Changeable polycarbonate lenses
- Central screw for quick lens replacement
- Weight: 35 g



Shade 5 - Cat N°:
W 000 011 055

CLASSIC protection range

EN 166

CLASSIC VISIT FIRST

- Panoramic spectacles, side shields ventilation and also usable as over spectacles
- Polycarbonate lens and frame
- Weight: 40 g



Clear - Cat N°:
W 000 011 056

CLASSIC VISIT CLEAR

- Anti-scratch surface
- Nylon frame and side shields
- Changeable polycarbonate lenses
- Central screw for quick lens replacement
- Weight: 35 g



Clear - Cat N°:
W 000 011 057

PILOT welding range

EN 175

PILOT EVEREST

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



Shade 5 - Cat N°:
W 000 011 053

FASHION welding range

EN 175

FASHION WELDING

- Red/black frame with a single anti-scratch polycarbonate lens giving 180° field of vision
- Very attractive design
- Soft terminal tips to eliminate local pressure
- Temples length regulation and inclination angle
- Weight: 30 g



2005-260

Shade 3 - Cat N°:
W 000 011 058
Shade 5 - Cat N°:
W 000 011 059

FASHION WELDING MAX

- Black frame with a single anti-scratch polycarbonate lens giving 180° field of vision
- Wrap-around design
- Adjustable arms both length and slope to a degree
- Weight: 35 g



2005-261

Shade 3 - Cat N°:
W 000 011 060
Shade 5 - Cat N°:
W 000 011 061

FASHION protection range

EN 166

FASHION VISIT

- Impact resistant
- Polycarbonate single lens
- Sports and ergonomic design
- Weight: 22 g

	Cat N°
Clear	W 000 011 062
Smoked	W 000 011 063
Yellow amber	W 000 011 064
Silver mirror	W 000 011 065



2008-251

2008-252

2008-253

2008-254

Welding mask **EN 175**

- 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: 110 g



Shade 5 - Cat N°:
W 000 011 066
Shade 3 - Cat N°:
W 000 011 067

Grinding masks **EN 166**

FIRST

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



Clear - Cat N°:
W 000 011 068

OVER

- 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 - Cat N°:
W 000 011 069

STAR

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









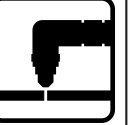

Clear - Cat N°:
W 000 011 070



Welding glasses

WELDGLASS

Choose the lens shade adapted to your working conditions

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



2007-839



2007-840

EN 166: Clear glasses
EN 169: Coloured glasses

WELDGLASS

■ Filtering coloured glasses

EN 169 - EN 166

DIMENSION 105 x 50 mm

Skin pack		Shade		Box
5 pieces	W 000 335 009	5	W 000 010 915	100 pieces
5 pieces	W 000 335 010	6	W 000 010 916	100 pieces
5 pieces	W 000 335 011	7	W 000 010 917	100 pieces
5 pieces	W 000 335 012	8	W 000 010 918	100 pieces
5 pieces	W 000 335 013	9	W 000 010 919	100 pieces
5 pieces	W 000 335 014	10	W 000 010 920	100 pieces
5 pieces	W 000 335 015	11	W 000 010 921	100 pieces
5 pieces	W 000 335 016	12	W 000 010 922	100 pieces
5 pieces	W 000 335 017	13	W 000 010 923	100 pieces

DIMENSION 110 x 90 mm

Skin pack		Shade		Box
5 pieces	W 000 335 035	5	W 000 010 927	100 pieces
5 pieces	W 000 335 036	6	W 000 010 928	100 pieces
5 pieces	W 000 335 037	7	W 000 010 929	100 pieces
5 pieces	W 000 335 038	8	W 000 010 930	100 pieces
5 pieces	W 000 335 039	9	W 000 010 931	100 pieces
5 pieces	W 000 335 040	10	W 000 010 932	100 pieces
5 pieces	W 000 335 041	11	W 000 010 933	100 pieces
5 pieces	W 000 335 042	12	W 000 010 934	100 pieces
5 pieces	W 000 335 043	13	W 000 010 935	100 pieces

DIMENSION 98 x 75 mm

Skin pack		Shade		Box
5 pieces	W 000 335 089	5	W 000 010 939	100 pieces
5 pieces	W 000 335 090	6	W 000 010 940	100 pieces
5 pieces	W 000 335 091	7	W 000 010 941	100 pieces
5 pieces	W 000 335 092	8	W 000 010 942	100 pieces
5 pieces	W 000 335 093	9	W 000 010 943	100 pieces
5 pieces	W 000 335 094	10	W 000 010 944	100 pieces
5 pieces	W 000 335 095	11	W 000 010 945	100 pieces
5 pieces	W 000 335 096	12	W 000 010 946	100 pieces
5 pieces	W 000 335 097	13	W 000 010 947	100 pieces

DIMENSION 108 x 51 mm

Skin pack		Shade		Box
5 pieces	W 000 335 047	5	W 000 010 951	100 pieces
5 pieces	W 000 335 048	6	W 000 010 952	100 pieces
5 pieces	W 000 335 049	7	W 000 010 953	100 pieces
5 pieces	W 000 335 050	8	W 000 010 954	100 pieces
5 pieces	W 000 335 051	9	W 000 010 955	100 pieces
5 pieces	W 000 335 052	10	W 000 010 956	100 pieces
5 pieces	W 000 335 053	11	W 000 010 957	100 pieces
5 pieces	W 000 335 054	12	W 000 010 958	100 pieces
5 pieces	W 000 335 055	13	W 000 010 959	100 pieces

■ GOLDEN PROTANE® glasses

EN 169 - EN 166

Skin pack	Dimension 105 x 50 mm	Shade	Dimension 133 x 114 mm	Skin pack
5 pieces	W 000 335 025	9	W 000 335 063	5 pieces
5 pieces	W 000 335 026	10	W 000 335 064	5 pieces
5 pieces	W 000 335 027	11	W 000 335 065	5 pieces
5 pieces	W 000 335 028	12	W 000 335 066	5 pieces
5 pieces	W 000 335 029	13	W 000 335 067	5 pieces

The GOLDEN PROTANE® glasses will prove their efficiency in all welding operations where the arc heat causes discomfort.

The GOLDEN PROTANE® filter with a gold mirror coating reflects an additional 90% of the infrared radiation and reduces the amount of heat to which the eyes are exposed:

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

“Test GOLDEN PROTANE® and weld cool”.

■ Protection glass or plate CR-39®

EN 166

Dimension	Clear glass (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	W 000 335 098	W 000 010 950	W 000 335 100	W 000 335 099
105 x 50 mm	W 000 335 018	W 000 010 926	W 000 335 020	W 000 335 019
108 x 51mm	W 000 335 056	W 000 010 962	W 000 335 058	W 000 335 057
110 x 90 mm	W 000 335 044	W 000 010 938	W 000 335 046	W 000 335 045
133 x 114 mm	W 000 335 069	-	W 000 335 071	W 000 335 070

Tel.: + 33 134 213 333 - Web: www.weldline-alw.com

WELDLINE is an Air Liquide Welding trademark

PROFESSIONAL WELDING PRODUCTS BY



Air Liquide Welding reserves itself the right to embody modifications without prior notice. The illustrations, descriptions and characteristics are given for information only and do not engage the responsibility of the constructor.



Leather clothes

Reminder:

EEC directive 89/686 is mandatory with the compliance to **EN 340** and **EN 470-1** standards for welder's protective equipment.

For the WELDLINE garments, only the best quality leather is selected by our expert.



Gaiters

Gaiters are used to protect the bottom of the trousers and shoes from sparks and heat generated during welding or grinding operations.



Cat N°: W 000 010 590

Leather belt

Cat N°: W 000 010 591

Velcro belt

Technical description

- Natural split leather tanned with chromium salts (mineral substances).
- The gaiters are manufactured in four pieces that are stitched together, complete with adjustable leather belt or velcro strap and under-strap for securing to the shoes.

Protective limits

- Due to the presence of the securing straps the gaiters should not be worn when using machinery with moving or rotating parts, without additional protection.
- The gaiters are not heat resistant and should not be exposed either to convective or radiated heat sources.
- The gaiters are not meant for any other type of protection than that usage describe above. The manufacturer will not be held responsible for any damages 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.

Standards

- Gaiters are designed and manufactured to meet the basic health and safety requirements prescribed by EEC directive 89/686 of Decree Law 475/92 and to comply with the requirements prescribed by EN 340 Standards, relating to general requirements, and EN 470 standards relating to protective equipment for welders and similar activities.
- When worn correctly the gaiters do not impede normal welding activities, quality and performance guaranteed if correctly worn and maintained according to the instructions supplied. Protection category II (in accordance with Decree Law 475/92)





WELDLINE

Short and long sleeves

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



**EN 340
EN 470-1**

Length: +/- 450 mm

Cat N°: W 000 010 592

2005-127



Cat N°: W 000 010 593

Length: +/- 670 mm

2005-128

Technical description

- Entirely in split leather tanned with chromium salts (mineral substances)
- Fixed with leather straps
- 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 that usage describe above. The manufacturer will not be held responsible for any damages 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

Standards

- These welder sleeves constitute an EAR category 2
- These sleeves were designed to comply with the following European standards:
 - **EN 340:** Protective clothing - General requirements
 - **EN 470-1:** Protective clothing used during welding and related process

> Mechanical tests:

- thickness: conform
- dimensional variation: conform
- breaking strength: conform
- tensile strength: conform

> Chemical tests:

- fat content rate: conform

> Thermal tests:

- inflammability: conform
- withdrawal to heat
- behavioural contact with small spatter: conform



- These sleeves have been examined by competent CE organisation.
- The CE marking confirms they meet the essential requirements or the European Directive 89/686 relating to individual protection equipment.



WELDLINE

Grain leather apron

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



1 100 x 800 mm

- Length: 1 100 mm
- Width: 800 mm

Cat N°: W 000 010 588

Leather straps

**EN 340
EN 470-1**

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 worn 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 that usage describe above. The manufacturer will not be held responsible for any damages 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.

Standards

- This welding apron is an EAR category 2
- This apron was designed to comply with the following European standards:
 - **EN 340:** Protective clothing - General requirements
 - **EN 470-1:** Protective clothing used during welding and related process
 - **Mechanical tests:**
 - thickness: conform
 - dimensional variation: conform
 - breaking strength: conform
 - tensile strength: conform
 - **Chemical tests:**
 - fat content rate: conform
 - **Thermal tests:**
 - inflammability: conform
 - withdrawal to heat
 - behavioural contact with small spatter: conform
- These aprons have been examined by competent CE organisation.
- The CE marking confirms they meet the essential requirements or the European Directive 89/686 relating to individual protection equipment.



**WELDLINE**

Split leather apron

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

900 x 600 mm

- Length: 900 mm
- Width: 600 mm

Cat N°: W 000 010 586*Leather straps, closing by clips***Cat N°: W 000 010 585***Cotton straps***Cat N°: W 000 010 589***Cotton straps vegetable tanning:
Without chromium salts*

1 100 x 800 mm

- Length: 1 100 mm
- Width: 800 mm

Cat N°: W 000 010 587*Leather straps, closing by clips***EN 340
EN 470-1**Closing by
clips or cotton
straps

2002-050

Technical description

- Protective welding apron in premium grade split leather tanned with chromium salts (mineral substances), except **W 000 010 589**
- 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 worn 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 that usage describe above. The manufacturer will not be held responsible for any damages 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

Standards

- This welding apron is an EAR category 2
- This apron was designed to comply with the following European standards:
 - **EN 340:** Protective clothing - General requirements
 - **EN 470-1:** Protective clothing used during welding and related process
 - > **Mechanical tests:**
 - thickness: conform
 - dimensional variation: conform
 - breaking strength: conform
 - tensile strength: conform
 - > **Chemical tests:**
 - fat content rate: conform
 - > **Thermal tests:**
 - inflammability: conform
 - withdrawal to heat
 - behavioural contact with small spatter: conform
- These aprons have been examined by competent CE organisation.
- The CE marking confirms they meet the essential requirements or the European Directive 89/686 relating to individual protection equipment.





Split leather welding jacket

These jackets are designed to protect the upper body of the user from fine welding spatter and grinding particles.

EN 340
EN 470-1

Cat N°: (Size XL): W 000 010 594
Cat N°: (Size XXL): W 000 010 595



Technical description

- The complete jackets been manufactured in premium grade split leather tanned with chromium salts (mineral substances)
- The jacket fastens to the front with an overlap of leather and Velcro for additional protection against spatter, the inner neck been of double cotton for comfort
- Tightening elastic to the wrists
- Finished in red trim
- Length: +/- 780 mm
- Sizes available: XL and XXL (other sizes on application)

Protective limits

- The jackets are not heat resistant and should not be exposed either to convective or radiated heat sources.
- The jackets are not meant for any other type of protection than that usage describe above. The manufacturer will not be held responsible for any damages 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

Standards

- These welding jackets are an EAR category 2
- These jackets are designed to comply with the following European standards:
 - **EN 340:** Protective clothing - General requirements
 - **EN 470-1:** Protective clothing used during welding and related process
 - **Mechanical tests:**
 - thickness: conform
 - dimensional variation: conform
 - breaking strength: conform
 - tensile strength: conform
 - **Chemical tests:**
 - fat content rate: conform
 - **Thermal tests:**
 - inflammability: conform
 - withdrawal to heat
 - behavioural contact with small spatter: conform
- These jackets have been examined by competent CE organisation.
- The CE marking confirms they meet the essential requirements or the European Directive 89/686 relating to individual protection equipment.



Welding grain leather jacket

Half-back fireproofed cotton

These jackets are designed to protect the upper body of the user from fine welding spatters and grinding particles. The design giving a light, breathable, flexible and comfortable jacket.



Cat N°: (Size XL):
W 000 010 596

Cat N°: (Size XXL): W 000 010 598

Technical description

- The complete jackets been manufactured in premium grade grain leather tanned with chromium salts (mineral substances)
- Half of the back be made from flame retardant cotton ensuring a light, flexible Jacket
- The jacket fastens to the front with an overlap of leather and Velcro for additional protection against spatter, the inner neck been of double cotton for comfort
- Tightening elastic to the wrists
- Finished in red trim
- Length: +/- 780 mm
- Sizes available: XL and XXL (other sizes on application)

Protective limits

- The jackets are not heat resistant and should not be exposed either to convective or radiated heat sources.
- The jackets are not meant for any other type of protection than that usage describe above. The manufacturer will not be held responsible for any damages 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

Standards

- These welding jackets are an EAR category 2
- These jackets are designed to comply with the following European standards:
 - **EN 340:** Protective clothing - General requirements
 - **EN 470-1:** Protective clothing used during welding and related process
 - **Mechanical tests:**
 - thickness: conform
 - dimensional variation: conform
 - breaking strength: conform
 - tensile strength: conform
 - **Chemical tests:**
 - fat content rate: conform
 - **Thermal tests:**
 - inflammability: conform
 - withdrawal to heat
 - behavioural contact with small spatter: conform
- These Jackets have been examined by competent CE organisation.
- The CE marking confirms they meet the essential requirements or the European Directive 89/686 relating to individual protection equipment.



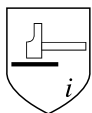
European standard for gloves and welding gloves

EN 420: general requirements for gloves: safety, comfort, dexterity.

- All the gloves meet European standards and carry the CE marking that indicates conformity to these standards
- The pictograms indicate that an approved laboratory has tested the gloves ensuring they conform to CE.
- The welding gloves have to conform to two specific standards added to the EN 420: the En 388 and the EN 407.

For each of the criteria, the higher the figure the more efficient the glove is deemed. "X" indicating that a particular glove has not been tested within the criteria.

EN 388: mechanical hazards



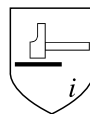
- A: Abrasion (0-4)
- B: Blade cut (0-5)
- C: Tear (0-4)
- D: Puncture (0-4)

EN 407: heat resistance



- A: Flammability (1-4)
- B: Contact heat (1-4)
- C: Convective heat (1-4)
- D: Radiant heat (1-4)
- E: Small splashes of molten metal (1-4)
- F: Large splashes of molten metal (1-4)

EN 12477: welding gloves



- A: Abrasion (0-4)
- B: Blade cut (0-5)
- C: Tear (0-4)
- D: Puncture (0-4)



- A: Flammability (1-4)
- B: Contact heat (1-4)
- C: Convective heat (1-4)
- E: Small splashes of molten metal (1-4)

Choice criteria

Kind of gloves	Gloves	Normes	
WELDING	Welding gloves for general purpose	LONG BASIC	EN 388: 2122
		LONG BASIC +	EN 407: X1XX2X
		UNIVERSEL	EN 388: 2122 EN 407: X1XX2X
	Heat resistant welding gloves	STOPCALOR	EN 388: 3133 EN 407: 414X4X
		STOPCALOR +	EN 12477: EN 388: 3132 EN 407: 413X4X
		STOPCALOR ALU	EN 12477: EN 388: 4244 EN 407: 413X4X
	TIG welding gloves	TIG	EN 388: 2111 EN 12477-B
		SENSITIVE	EN 407: 41XX4X
	PROTECTION	Protective gloves	DOCKER
PROTECT COMFORT			EN 388: 2121
PROTECT MECA			EN 388: 3122
BASIC			EN 388: 2122
BASIC +			EN 407: X1XX2X

LONG BASIC

The **LONG BASIC** welding gloves are designed to protect the hands during normal welding applications in MMA/MIG/MAG processes and infrequent handling of component parts not exceeding **50 °C**.

Technical description:

- American cut with webbed thumb and return on index
- Palm and thumb in natural split leather tanned with chromium salts (mineral substances), thickness 1.2 mm (+/- 0.1 mm)
- Reinforcement in split leather of the seams on top of the thumb and the base of the finger backs
- Cuff in natural split leather, length 150 mm (+/- 5 mm) and a thickness of 1.3 mm
- Overall length of the glove: approximately 350 mm (size 10) +/- 5 mm
- Seams in para-aramide wire (flame retardant and projectile resistant)
- Finished in red edge trim
- Size available: 10



EN 420

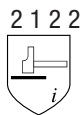
EN 388

EN 407

Cat N°: W 000 010 413

Standards and levels of protection:

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



EN 388



EN 407

Limits of protection:

- Do not use for handling objects over 50 °C.
- Do not use for handling any chemicals.

LONG BASIC +

The **LONG BASIC +** welding gloves are designed to protect the hands during normal welding applications in MMA/MIG/MAG processes and infrequent handling of component parts not exceeding **100 °C**.

Technical description:

- American cut with webbed thumb and return on index.
- Palm and thumb in natural split leather tanned with chromium salts (mineral substances), thickness 1.2 mm (+/- 0.1 mm)
- Reinforcement of the blue split leather glove for added protection to the palm thumb and index finger
- Reinforcement in grain leather of the seams on top of the thumb and the base of the finger backs
- Cuff in natural split leather, length 150 mm (+/- 5 mm) and a thickness of 1.3 mm
- Overall length of the glove: approximately 350 mm (size 10) +/- 5 mm
- Seams in para-aramide wire (flame retardant and projectile resistant)
- Finished in red edge trim
- Size available: 10



EN 420

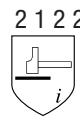
EN 388

EN 407

Cat N°: W 000 010 414

Standards and levels of protection:

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



EN 388



EN 407

Limits of protection:

- Do not use for handling objects over 100 °C.
- Do not use for handling any chemicals.



Welding gloves

UNIVERSEL

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

EN 420

EN 388

EN 407

Technical description:

- American cut with webbed thumb and return on index
- Palm index finger and inner of the thumb in natural grain leather for extra sensitivity
- Reinforcement in grain leather of the seams on top of the thumb and the base of the finger backs
- Glove rear and cuff been made of natural split leather, length 150 mm (+/- 5 mm) and a thickness of 1.3 mm
- Artery protection in grain leather
- Overall length of the glove: approximately 350 mm (size 10) +/- 5 mm
- Seams in para-aramide wire (flame retardant and projectile resistant)
- Finished in red edge trim
- Size available: 10

Standards and levels of protection:

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

2 1 2 2



EN 388

X 1 X X 2 X



EN 407



Cat N°: W 000 010 417

Limits of protection:

- Do not use for handling objects over 50 °C.
- Do not use for handling any chemicals.

STOPCALOR

The STOPCALOR welding gloves are designed for a high level of protection for the hands during normal welding applications in MMA/MIG/MAG processes and handling of component parts not exceeding 100 °C.

EN 420

EN 388

EN 407

Technical description:

- American cut with webbed thumb
- In split leather red colour the glove is flame retardant treated and 1.3 mm thick (+/- 0.2 mm)
- Seams in para-aramide wire (flame retardant and projectile resistant) and reinforced by split leather
- Back being one complete piece
- Cuff of 145 mm (+/- 5 mm) with doubled fabric
- Overall length of the glove: approximately 350 mm (size 10) (+/- 5 mm)
- Size available: 10

Standards and levels of protection:

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

3 1 3 3



EN 388

4 1 4 X 4 X



EN 407



Cat N°: W 000 010 418

Limits of protection:

- Do not use for handling objects over 100 °C.
- Do not use for handling any chemicals.

STOPCALOR +

The STOPCALOR + welding gloves are designed for a high level of protection for the hands during normal welding applications in MMA/MIG/MAG processes and handling of component parts not exceeding 100 °C. The natural grain leather palm giving extra sensitivity.



- EN 420
- EN 388
- EN 407
- EN 12477-A

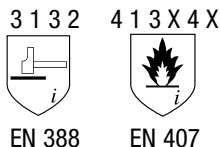
Technical description:

- American cut with webbed thumb
- Glove back and cuff in blue colour split leather 1.2 mm thick (+/- 0.2 mm)
- Palm in natural grain leather tanned with chromium salts (mineral substances) for extra flexibility
- Seams in cotton wire
- Back being one complete piece
- Cuff of 145 mm (+/- 5 mm) with doubled fabric
- Overall length of the glove: approximately 350 mm (size 10) +/- 5 mm
- Size available: 10

Cat N°: W 000 010 419

Standards and levels of protection:

- These gloves have been examined by a competent CE organisation.
- Safety comfort and dexterity level = 3.



Limits of protection:

- Do not use for handling objects over 100 °C.
- Do not use for handling any chemicals.

Requirement	EN	Performances	
		Required	Tests Models Standard
Abrasion resistance	EN 388	2 - (500 cycles)	3 (2 700 cycles)
Resistance to the cut by cutting		1 - (Index 1.2)	1 (Index 2.6)
Tear strength		2 - (25 N)	3 (64 N)
Perforating strength		2 - (60 N)	2 (82 N)
Behaviour with the flame	EN 407	3 - (5 S)	4 (0 S)
Heat strength of contact	EN 407 EN 702	1 - (100 °C)	1 (100 °C)
Resistance with convective heat	EN 407 EN 367	2 - (HT1 24 ≥ 7)	3 (HT1 24 ≥ 15)
Behaviour with small molten metal projections	EN 407 EN 348	3 - (25 drops)	4 (> 40 drops)
Dexterity	EN 420	1 - Ø 11mm	3 - Ø 8 mm

STOPCALOR ALU

The STOPCALOR ALU welding gloves are designed for a high level of protection for the hands during heavy welding applications in MIG/MAG processes and handling of component parts not exceeding 100 °C.



- EN 420
- EN 388
- EN 407
- EN 12477-A

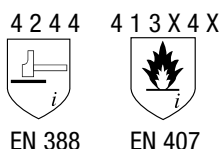
Technical description:

- American cut with webbed thumb
- Palm in red split leather flame retardant treated and double stitched in cotton
- Inside cuff in natural split leather and double stitched in cotton
- Outside cuff and back of hand in one single piece of Kevlar fabric with one scraped face and one aluminised face. Doubled stitched with cotton reinforced with aluminised fabric
- Seams in para-aramide wire (flame retardant and projectile resistant) and reinforced by split leather
- Cuff of 145 mm (+/- 5 mm) with doubled fabric
- Overall length of the glove: approximately 355 mm (size 10) (+/- 5 mm)
- Finished in red edge trim
- Size available: 10

Cat N°: W 000 010 420

Standards and levels of protection:

- These gloves have been examined by a competent CE organisation.
- Safety comfort and dexterity level = 3.



Limits of protection:

- Do not use for handling objects over 100 °C.
- Do not use for handling any chemicals.



Welding gloves

TIG

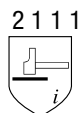
The TIG welding gloves are designed to give a high level of dexterity and flexibility for normal welding applications in TIG/Flame processes.

Technical description:

- American cut with webbed thumb and return on index finger
- Complete hand in natural grain leather tanned with chromium salts (mineral substances)
- Cuff in natural split leather
- Cuff 145 mm (+/- 5 mm)
- Seams in para-aramide wire (flame retardant and projectile resistant) and reinforced by split leather
- Overall length of the glove: approximately 360 mm (size 10) (+/- 5 mm)
- Finished in red edge trim
- Size available: 9 and 10

Standards and levels of protection:

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



EN 388



EN 407

Limits of protection:

- Do not use for handling objects over 100 °C.
- Do not use for handling any chemicals.



Cat N°: W 000 010 421 (Size 9)
 Cat N°: W 000 010 422 (Size 10)

EN 420

EN 388

EN 407

EN 12477-B

SENSITIVE

Welding gloves with a new good dexterity level.

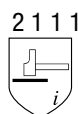
The SENSITIVE gloves have been designed to give excellent flexibility with good dexterity level.

Technical description:

- American cut with webbed thumb
- Complete hand in natural grain leather tanned with chromium salts (mineral substances)
- Cuff in natural split leather
- Cuff 145 mm (+/- 5 mm)
- Seams in cotton wire
- Overall length of the glove: approximately 350 mm (size 10) (+/- 5 mm)
- Size available: 10

Standards and levels of protection:

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



EN 388



EN 407

Limits of protection:

- Exclusively for use in minor risk situations.
- Do not use for handling any chemicals.



Cat N°: W 000 010 428 (Size 10)

EN 420

EN 388

EN 407



Protective gloves

DOCKER

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

Technical description:

- DOCKER protective handling gloves
- Palm and mitres in grain leather
- 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.

3 1 3 2



EN 388



EN 388

EN 420

Cat N°: W 000 010 427

PROTECT COMFORT

The PROTECT COMFORT gloves have been designed to be comfortable and flexible with an excellent dexterity.

Technical description:

- American cut with webbed thumb and return on index finger
- Complete hand in natural grain leather tanned with chromium salts (mineral substances), 1 mm (+/- 0.1 mm) thick
- Elastic tightening at the wrist of the glove back
- Seams in cotton wire reinforced by leather to the thumb top and the base at the back of the fingers
- Overall length of the glove: approximately 265 mm (size 10) +/- 5 mm
- Finished in red edge trim
- Size available: 9 and 10

Standards and levels of protection:

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

Limits of protection:

- Do not use for handling objects over 50 °C.
- Do not use for handling any chemicals.

2 1 2 1



EN 388



EN 388

EN 420

Cat N°: W 000 010 425 (Size 9)

Cat N°: W 000 010 426 (Size 10)



Protective gloves

PROTECT MECA

The PROTECT MECA gloves have been designed to provide a good level of protection whilst working in a dry environment.

Technical description:

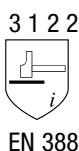
- American cut with webbed thumb.
- Complete hand in natural split leather tanned with chromium salts (mineral substances)
- Elastic tightening at the wrist of the glove back
- Seams in cotton wire reinforced by leather to the thumb top and the base at the back of the fingers
- Overall length of the glove: approximately 265 mm (size 10) (+/- 5 mm)
- Finished in red edge trim
- Size available: 9 and 10

Standards and levels of protection:

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

Limits of protection:

- Do not use for handling objects over 50 °C.
- Do not use for handling any chemicals.



EN 388

EN 420

Cat N°: W 000 010 423 (Size 9)

Cat N°: W 000 010 424 (Size 10)

BASIC

The BASIC gloves have been designed to provide a good quality glove at an affordable price.

Technical description:

- American cut with webbed thumb and return on index finger.
- Palm and thumb in natural split leather tanned with chromium salts (mineral substances), 1.2 mm (+/- 0.1 mm) thick
- Reinforced with leather on the seams to the thumb top and the base at the back of the fingers
- Seams in para-aramide wire (flame retardant and projectile resistant)
- Finished in red edge trim
- Size available: 10

Standards and levels of protection:

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

2 1 2 2 X 1 X X 2 X



EN 388



EN 407



EN 388

EN 407

EN 420

Cat N°: W 000 010 415

Limits of protection:

- Do not use for handling objects over 50 °C.
- Do not use for handling any chemicals.



WELDLINE

Protective gloves

BASIC +

The **BASIC +** gloves have been designed to provide a good quality comfortable glove with a reinforced palm for increased protection.

EN 388

EN 407

EN 420

Technical description:

- American cut with webbed thumb and return on index finger.
- Palm and thumb in natural split leather tanned with chromium salts (mineral substances), 1.2 mm (+/- 0.1 mm) thick
- Reinforcement in blue split leather for added protection to the palm thumb and index finger
- Reinforced with leather on the seams to the thumb top and the base at the back of the fingers
- Seams in para-aramide wire (flame retardant and projectile resistant)
- Finished in red edge trim
- Size available: 10

Standards and levels of protection:

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

2 1 2 2

X 1 X X 2 X



EN 388

EN 407

Cat N°: W 000 010 416



2004-961

Limits of protection:

- Do not use for handling objects over 50 °C.
- Do not use for handling any chemicals.

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.

Cat N°: W 000 335 162



T198-65

EN 532

Cotton clothes



Responsible textile production

Without Azocolourants (European directive 2002/61/CE)

WELDCOT:

a full range of cotton PYROVATEX® flame-retardant clothes

WELDCOT protective clothings are designed in accordance with CE guideline 89/686/EEC, and with European standards EN 340, EN 531 and EN 470-1.

Purpose of the clothing

Flame retardant protective clothing produced to this standard does not spread flame when accidentally contacted with an igniting flame. It protects the part of the skin covered by the clothing of the wearer against flash fire and small drops of molten metal from welding or cutting operations.

In addition, the clothing should protect the wearer against the effects of radiant and convective heat.

Specifications

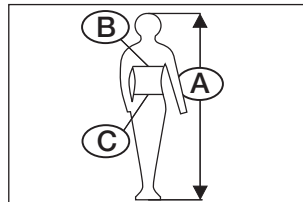
The clothing should meet the requirements of the standards listed below. These standards are part of EN 531 (Protective clothing against industrial heat) and are used to determine the specification. The clothing also meets the requirements of the EN 470-1 standard (protective clothing for welders).

Standards	Possible levels	Specification	Description
EN 532	One (A)	A	Limited flame spread
EN 367	B1 to B5	B1	Convective heat
EN 366	C1 to C4	C1	Radiant heat
EN 373	E1 to E3	E1	Molten iron splash



JACKET

TROUSERS

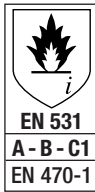


Size	A	B	C
44	170-176	84-88	72-76
46	170-176	88-92	76-80
48	176-182	92-96	80-84
50	176-182	96-100	84-88
52	176-182	100-104	88-92
54	182-188	104-108	92-96
56	182-188	108-112	96-100
58	182-188	112-116	100-104
60	188-194	116-120	104-108
62	188-194	120-124	108-112
64	188-194	124-128	112-116
S	170-182	88-96	76-84
M	176-182	96-104	84-92
L	182-188	104-112	92-100
XL	182-194	112-120	100-108
XXL	188-194	120-128	108-116

Cotton clothes



EN 340
EN 531
EN 470-1



Responsible textile production

Without Azocolourants
(European directive 2002/61/CE)



OVERALL



COAT



DUNGAREES



HOOD

Size	TROUSERS	JACKET	OVERALL	DUNGAREES	COAT	HOOD
S	W 000 261 469	W 000 261 474	W 000 261 479	W 000 261 484	W 000 261 489	W 000 261 499
M	W 000 261 470	W 000 261 475	W 000 261 480	W 000 261 485	W 000 261 490	W 000 261 500
L	W 000 261 471	W 000 261 476	W 000 261 481	W 000 261 486	W 000 261 491	W 000 261 501
XL	W 000 261 472	W 000 261 477	W 000 261 482	W 000 261 487	W 000 261 492	-
XXL	W 000 261 473	W 000 261 478	W 000 261 483	W 000 261 488	W 000 261 493	-

Tel.: + 33 134 213 333 - Web: www.weldline-alw.com

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PROFESSIONAL WELDING PRODUCTS BY



8-34

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Safety shoes





Safety shoes

- To be defined as a safety shoes, they have to include a toe protection.
- The European directive 89/686/EEC recommends the wearing of safety shoes for workers.

- The standard EN ISO 20345 includes several levels.

Safety level	 Toe protection	 Shock absorber	 Antistatic plate	 Anti-puncture plate	 Water resistant
SB	✓				
S1	✓	✓	✓		
S2	✓	✓	✓		✓
S1P	✓	✓	✓	✓	
S3	✓	✓	✓	✓	✓

CLASSIC WL range

Safety level	Type	Upper material	Toe protection	Anti puncture plate	Model	
S3	High	Split leather, with water resistant treatment	Steel	Steel	PENTATHLON WL	
	Low				RUGBY WL	
S1P	High	Pigmented split leather	Steel	Steel	OXYGEN WL	
	Low	Suede split leather			GOLF WL	

It is now possible to replace the steel toe by a composite one and the steel plate by a fibre one.

Main benefits for the users are **flexibility** and **weight**.

All the products of the TOP Weldline range have a toe protection in composite and antipuncture plate in fibre.

The criteria of choice are:

- 1) Levels of protection as indicated here above
- 2) Hight or low shoes
- 3) Upper in:
 - grain leather (water resistant)
 - split leather
 - fabric (non water resistant)
 - pigmented split leather



TOP WL range

Safety level	Type	Upper material	Toe protection	Anti puncture plate	Model
S3	High	Split leather, with water resistant treatment	Composite	Fibre	<i>PENTATHLON TOP WL 2</i>
	Low				<i>RUGBY TOP WL 2</i>
S1P	High	Suede split leather	Composite	Fibre	<i>BASKET TOP WL</i>
	Low				<i>FOOTING TOP WL</i>

These models are built with innovative material.
Toe protection in composite and antipuncture plate in fibre,
bring an optimal foot comfort.

BASKET TOP WL: S1P



High shoe in suede split leather.

Suitable for those who work in dry environments with high risks for electrocution and electrostatic shocks.

- Outer fabric in 100% polyester of high resistance.
- Inner fabric lining: transpiring, antibacterial, insulating, absorbent, abrasion resistant. Slip-resistant, shock-resistant and anti-static sole.
- Toe protection in composite as resistant as steel.
- Antipuncture plate in fibre as resistant as steel but showing a better flexibility that brings a better foot comfort.
- No metallic parts allows passage through a metal detector without difficulties (airports, shops,...).

Size	Cat N°
39	W 000 266 868
40	W 000 266 869
41	W 000 266 870
42	W 000 266 871
43	W 000 266 872
44	W 000 266 873
45	W 000 266 874
46	W 000 266 875
47	W 000 266 876



FOOTING TOP WL: S1P

Suede split leather protection shoe.











Suitable for those who work in dry environments with high risks for electrocution and electrostatic shocks.

- Outer fabric in 100% polyester of high resistance.
- Inner fabric lining: transpiring, antibacterial, insulating, absorbent, abrasion resistant. Slip-resistant, shock-resistant and anti-static sole.
- Toe protection in composite as resistant as steel.
- Antipuncture plate in fibre as resistant as steel but showing a better flexibility brings a better foot comfort.

Size	Cat N°
39	W 000 266 857
40	W 000 266 859
41	W 000 266 861
42	W 000 266 862
43	W 000 266 863
44	W 000 266 865
45	W 000 266 866
46	W 000 266 864
47	W 000 266 867



Pictograms significations:

	Toe protection		Shock absorber		Water resistance		Spatters resistance		Abrasion resistant sole
	Antistatic		Antipuncture plate		Antisliding sole		Flexible sole		Hydrocarbons resistance

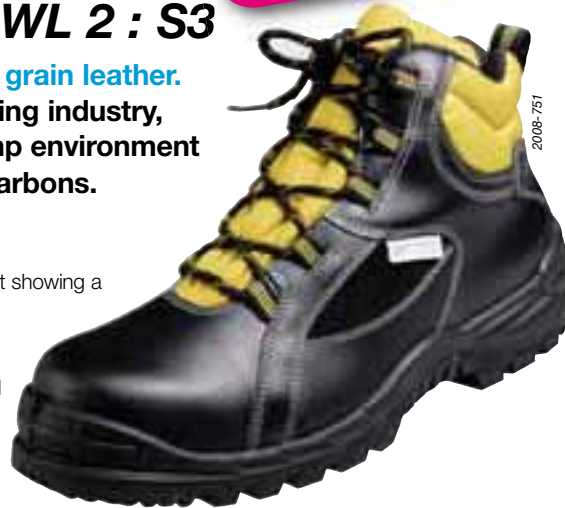
New

PENTATHLON TOP WL 2 : S3

High shoe, soft and comfortable, grain leather.

Suitable for mechanical engineering industry, construction and for work in damp environment and/or in the presence of hydrocarbons.

- Toe protection in composite material.
- Antipuncture plate in fibre as resistant as steel but showing a better flexibility that brings a better foot comfort.
- Inner lining: transpiring, antibacterial.
- No metallic parts allows passage through a metal detector without difficulties (airports, shops,...).



2008-751

Size	Cat N°
39	W 000 272 541
40	W 000 272 542
41	W 000 272 543
42	W 000 272 544
43	W 000 272 545
44	W 000 272 546
45	W 000 272 547
46	W 000 272 549
47	W 000 272 550



RUGBY TOP WL 2 : S3

High shoe, soft and comfortable, grain leather.

Suitable for mechanical engineering industry, construction and for work in damp environment and/or in the presence of hydrocarbons.

- Toe protection in composite material.
- Antipuncture plate in fibre as resistant as steel but showing a better flexibility that brings a better foot comfort.
- Inner lining: transpiring, antibacterial.
- No metallic parts allows passage through a metal detector without difficulties (airports, shops,...).













2008-752

Size	Cat N°
39	W 000 272 638
40	W 000 272 639
41	W 000 272 640
42	W 000 272 641
43	W 000 272 642
44	W 000 272 643
45	W 000 272 644
46	W 000 272 645
47	W 000 272 646



Pictograms significations:

 Toe protection	 Shock absorber	 Water resistance	 Spatters resistance	 Abrasion resistant sole
 Antistatic	 Antipuncture plate	 Antisliding sole	 Flexible sole	 Hydrocarbons resistance



CLASSIC WL range

Classic models with toe protection in steel and (where specified) antipuncture plate in steel.

OXYGEN WL HRO 200°: S1P

2007-874



High boot in pigmented split leather.

With metatarsal protection against sparks and droplets produced during welding and cutting.

- Inner fabric lining: transpiring, antibacterial and abrasion resistant.
- Slip-resistant, shock-resistant and anti-static sole. Resists contact heat up to 200°C.
- Toe protection in steel.
- Antipuncture protection plate in steel.

Specific for welding activities

Size	Cat N°
39	W 000 266 754
40	W 000 266 788
41	W 000 266 789
42	W 000 266 790
43	W 000 266 791
44	W 000 266 792
45	W 000 266 793
46	W 000 266 794
47	W 000 266 795



PENTATHLON WL: S3

2007-872



High shoe, soft and comfortable, grain leather.

Suitable for those who work in damp environments and/or in the presence of hydrocarbons.

- Water-repellent.
- With ankleprotection padding.
- Inner lining: transpiring, antibacterial, abrasion resistant.
- Slip resistant, shockresistant and antistatic sole.
- Toe protection in steel.
- Antipuncture plate in steel.

Size	Cat N°
39	W 000 266 814
40	W 000 266 815
41	W 000 266 816
42	W 000 266 817
43	W 000 266 818
44	W 000 266 819
45	W 000 266 821
46	W 000 266 824
47	W 000 266 825



Pictograms significations:

	Toe protection		Shock absorber		Water resistance		Spatters resistance		Abrasion resistant sole
	Antistatic		Antipuncture plate		Antisliding sole		Flexible sole		Hydrocarbons resistance

