



# THE ESSENTIALS

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SELECTED PRODUCTS FOR WELDING & CUTTING

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

**LINCOLN**<sup>®</sup>  
**ELECTRIC**

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### PICTOGRAM MEANING



Single phase input power



Direct current welding output



50/60 Hz input power



Plastic spool S300



Motor generator compatible



Three phase input power



Alternating or direct current welding output



SCRATCH TIG: arc striking by scratching a tungsten with base material



Plastic spool S200



Interconnection cable length: 30m



For constant current stick and TIG processes



2-Roll Wire Feeder



LIFT TIG: arc striking when lifting the torch



Synergic setting



Interconnection cable length: 60m



For constant voltage MIG, flux-cored and subarc processes



4-Roll Wire Feeder



Water cooling



Power factor control



Interconnection cable length: 70m



For multi-process constant current or constant voltage applications

# MMA ARC EQUIPMENT

## SINGLE PHASE PORTABLE STICK WELDERS

### Invertec® 135S, 150S, 170S

The Invertec® 135S, 150S and 170S offer a range of machines built with the job in mind. These stick welders are suited to a variety of applications and working environments, ensuring that there will be a machine to meet your needs. Each unit is equipped with a unique set of features and capabilities to guarantee perfect welding for your application.

- Robust design: unique rubber corners and metal housing to withstand tough environmental conditions.
- Premium arc: advanced Lincoln technology and Lincoln know-how guarantees optimum performance every time.
- Auto Adaptive Arc Force (150S and 170S).
- Built in "Hot Start" for stable arc with lower spatter level (150S, 170S).



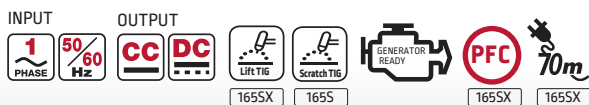
Pack version

Product	Item Number	Primary Voltage (50-60Hz)	Current Range (A)	Rated Output	Effective Consumption (A)	Weight (kg)	Dimensions HxWxD (mm)	Electrode Diameter
135S	K12033-1 K12033-1-P	230V/1Ph	10-120	120A/24.8V@25% 70A/22.8V@100%	14	5	224 x 148 x 315	≤ 3.2 mm
150SX	K12034-1 K12034-1-P		10-140	140A/25.6V@25% 80A/23.5V@100%	17	7.4	244 x 148 x 365	
170S	K12035-1 K12035-1-P		10-160	160A/26.4V@20% 80A/24V@100%	23	7.8	244 x 148 x 365	

### Invertec® 165S & 165SX

The Invertec® 165S & SX stick welders offer much more than you would expect from a welder this size. They pack the full punch of a heavyweight professional that you can take to the most demanding job sites. Low energy consumption and high duty cycle: they are ideal for maintenance and for all professional, industrial or construction-site/shipyard applications.

- Exceptional performance: High duty cycle at 40°C.
- Easy to use: Hot Start function to improve the arc striking and Arc Force function to avoid electrode sticking.
- Versatile welding with any coated electrode (except cellulosic) and LIFT TIG (165SX).
- Handy thanks to the handy carrying strap.



Product	Item Number	Primary Voltage (50-60Hz)	Current Range (A)	Rated Output	Effective Consumption (A)	Weight (kg)	Dimensions HxWxD (mm)	Electrode Diameter
165S	K14171-1	230V/1Ph ± 15%	5-160	160A@20% 100A@60% 80A@100%	16	7	265 x 162 x 385	≤ 4.0 mm
165SX	K14170-1	230V/1Ph ± 20%	10-160	160A@30% 140A@60% 120A@100%	15.3	8.2		

# MMA ARC EQUIPMENT

## SINGLE PHASE PORTABLE STICK WELDERS



### Invertec® V205S

Combining both a rugged industrial construction with excellent arc characteristics. The lightweight but solid build of this stick welder makes it suitable for operation on site in conjunction with a generator or within a workshop environment.

- Smart switching 230/400V single phase.
- Excellent arc characteristics.
- Maximum output of 200A allows the use of electrodes up to 4.0 mm.
- Excellent stick rutile, basic and cellulosic welding performance.



Item Number	Primary Voltage [50-60Hz]	Current Range [A]	Rated Output	Effective Consumption [A]	Weight [kg]	Dimensions HxWxD [mm]	Electrode Diameter
K12019-1	230/400V/1Ph	5-200	200A/28V@35% 170A/26.8V@100%	32/20	15	385 x 215 x 480	≤ 4.0 mm

## THREE PHASE STICK WELDERS

### Invertec® 270SX & 400SX

The Invertec® 270SX & 400SX Stick welders are built to handle harsh environmental conditions using Lincoln tunnel technology to separate the PCBs and sensitive parts from contaminating cooling airflow. The robust metal case with large protective rubber corners make these stick welders suitable for operation on site in conjunction with a generator, or within a workshop environment, providing maximum flexibility and durability.



- Fully featured and user friendly control panel with digital display.
- Soft and Crisp mode: multiple arc modes for different electrode types.
- Auto Adaptive Arc Force: standard in Soft and Crisp modes the automatic variable Arc Force operates when required.



Product	Item Number	Primary Voltage [50-60Hz]	Current Range [A]	Rated Output	Fuse Size [A] (slow)	Weight [kg]	Dimensions HxWxD [mm]	Electrode Diameter
Invertec® 270SX	K12040-1	400V/3Ph	5-270	270A/30.8V/35% 200A/28V/100%	20	23.6	389 x 247 x 502	≤ 5.0 mm
Invertec® 400SX	K12042-1		5-400	400A/36V/35% 300A/32V/100%	30	36	455 x 301 x 632	≤ 6.3 mm

# MMA ARC EQUIPMENT

## THREE PHASE RECTIFIERS



### LINC 405-S & SA, LINC 406, LINC 635-S & SA

- Excellent arc characteristics.
- Capable to weld rutile, basic and cellulose electrodes.
- Arc gouging capability.
- Fan on demand (F.A.N.™) built-in reduces power and the intake of dust and fumes.
- Ready to be moved. Equipped with wheels, pull bar and two lifting hooks.



Product	Item Number	Primary Voltage [50-60Hz]	Current Range [A]	Rated Output	Effective Consumption [A]	Weight [kg]	Dimensions HxWxD [mm]	Electrode Diameter
LINC 405-S	K14002-2	230/400V/3Ph	15-400	400A/36V/35% 240A/29V/100%	63/40	126	640 x 580 x 700	≤ 6.3 mm
LINC 405-SA	K14002-1							
LINC 406	K14104-1	220/380/440V/3Ph	30-400		63/40/32	135	650 x 580 x 690	
LINC 635-S	K14038-2	230/400V/3Ph	15-670	670A/44V/35% 400A/36V/100%	100/63	150	670 x 580 x 700	
LINC 635-SA	K14038-1							

## HOT ROD 500S

The constant current welding rectifier HOT ROD 500-S is a three phase heavy duty power source with a current range of 50-625A. This stick welder is fan cooled and enclosed in a rigid case with removable side panels for convenient servicing, and on a frame suitable for stacking up to three machines. Whether using mild steel, low hydrogen, stainless steel or hardfacing electrodes, the HOT ROD 500S produces a smooth, quality arc for consistent results day-in day-out.

- Maximum output of 625A allows the use of electrodes up to 6.3 mm and air carbon gouging with 8 mm electrodes.
- Compatible with rutile, basic and cellulosic electrodes.
- Submersion dipped transformer assembly and fully potted Power Circuit Board for added corrosion and moisture protection.



Product	Item Number	Primary Voltage [50-60Hz]	Current Range [A]	Rated Output	Effective Consumption [A]	Weight [kg]	Dimensions HxWxD [mm]	Electrode Diameter
HOT ROD 500S	K14089-1	380/415V/3Ph	50-625	600A/44V/35% 375A/35V/100%	63	203	795 x 566 x 813	≤ 6.3 mm
	K14089-2	220/380/400V/3Ph						

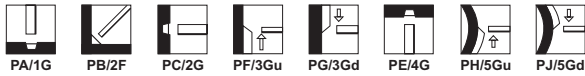
## MILD STEEL STICK ELECTRODES

### OMNIA®46

AWS A5.1: E6013  
ISO 2560-A: E 38 0 R 11  
AC / DC -

**RUTILE (6013)**

- Applicable for "clean" structural steel.
- Smaller diameters excellent for hobby market.
- Very suitable for low open circuit voltage transformers (min. OCV 42 V).



Product Name	Ø (mm)	Length (mm)	Quantity per pack	kg per pack	Item Number
OMNIA®46	2.0	300	400	4.2	609059
	2.5	350	253	4.8	609060
	3.2	350	181	5.3	609061
	3.2	450	154	6.2	609062
	4.0	350	111	5.0	609063
	4.0	450	97	5.9	609064
	5.0	450	58	5.8	609065

### LINCOLN® 7016DR

AWS A5.1: E7016-H8  
ISO 2560-A: E 38 3 B 1 2 H10  
AC / DC +

**BASIC (7016)**

Double Coated Electrode

- Very easy arc strike, simple slag removal.
- Easy ignition, easy to restart - to restrike arc.
- Much easier vertical up vs basic electrode.
- Soft arc fusion, extremely good weldability.
- Few spatters, no need to rework, does not stick.
- Easier to weld especially with poor joint preparation.
- Nicer joint aesthetic with finely ripped bead surface.



Product Name	Ø (mm)	Length (mm)	Quantity per pack	kg per pack	Item Number
LINCOLN® 7016 DR	2.5	350	600	3.90	829275
	3.2	350	375	4.10	829276
	3.2	450	375	5.30	829277
	4.0	450	240	5.20	829278

### CONARC®49

AWS A5.1: E7018 H4  
ISO 2560-A: E 46 3 B 42 H5  
DC +

**BASIC (7018)**

- Most suitable universal basic electrode for shipbuilding and light general construction work.
- Almost no spatter, nice wetting and full weld pool control.
- Perfect welding and 120% recovery contributes to high productivity.



Product Name	Ø (mm)	Length (mm)	Quantity per pack	kg per pack	Item Number
CONARC®49	2.5	350	91	4.5	609266
	3.2	350	131	4.5	609267
	3.2	450	115	5.2	609309
	4.0	350	100	5.0	609268
	4.0	450	93	6.3	609269
	5.0	450	66	6.7	609270

### LINCOLN® 7018-1

AWS A5.1: E7018-1 H4R  
ISO 2560-A: E 46 5 B 3 2 H5  
AC / DC +

**BASIC (7018-1)**

- Excellent for general purpose welding.
- Good impact values down to -50°C.



Product Name	Ø (mm)	Length (mm)	Quantity per pack	kg per pack	Item Number
LINCOLN® 7018-1	2.5	350	172	4.0	619036
	3.2	350	110	4.0	619038
	3.2	450	116	5.5	619040
	4.0	350	76	4.0	619044
	4.0	450	81	5.5	619045

# MMA ELECTRODES

## STAINLESS STEEL STICK ELECTRODES

### LIMAROSTA® 304L

AWS A5.4: E308L-17  
ISO 3581-A: E 19 9 L R 1 2  
AC / DC +/-

304/308

- Molybdenum level min. 2.7%.
- Mirror like bead appearance.
- Self releasing slag.
- Good side wall fusion, no undercut.



Product Name	Ø (mm)	Length (mm)	Quantity per pack	kg per pack	Item Number
LIMAROSTA® 304L	2.0	300	125	2.3	557312
	2.5	350	125	2.7	557329
	3.2	350	135	4.7	557367
	4.0	450	85	5.8	557398
	5.0	450	55	5.8	557404

### LIMAROSTA® 316L

AWS A5.4: E316L-17  
ISO 3581-A: E 19 12 3 L R 1 2  
AC / DC +/-

316

- Molybdenum level min. 2.7%.
- Mirror like bead appearance.
- Self releasing slag.
- Good side wall fusion, no undercut.



Product Name	Ø (mm)	Length (mm)	Quantity per pack	kg per pack	Item Number
LIMAROSTA® 316L	2.0	300	200	2.3	557435
	2.5	350	125	2.7	557442
	3.2	350	135	4.8	557466
	4.0	450	85	5.9	557497
	5.0	450	55	5.9	557503

## STAINLESS STEEL STICK ELECTRODES WITH LOW CrVI EMISSION RATE

### CLEAROSTA E 304L

AWS A5.4: E308L-17  
ISO 3581-A: E 19 9 L R 2 2  
DC+

304

Double Coated Electrode

- High operator appeal and control due to the more stable and focused arc transfer.
- Reduced welding fume (up to -40%) and lower hexavalent Cr content (up to -60%): improved working environment in the workshop, for all workers.
- Suitable for root pass.
- Lower porosity, good striking and restriking, Excellent slag removal.



Product Name	Ø (mm)	Length (mm)	Quantity per pack	kg per pack	Item Number
CLEAROSTA E 304L	2.5	300	90	1.70	710001
	3.2	350	55	1.90	710002
	4	350	40	2.10	710003
	5	350	20	1.60	710004

### CLEAROSTA E 316L

AWS A5.4: E316L-17  
ISO 3581-A: E 19 12 3 L R 2 2  
DC+

316

Double Coated Electrode



Product Name	Ø (mm)	Length (mm)	Quantity per pack	kg per pack	Item Number
CLEAROSTA E 316L	2.5	300	90	1.70	710009
	3.2	350	55	2.00	710010
	4	350	40	2.10	710011
	5	350	20	1.70	710012

# MMA ELECTRODES

## STAINLESS STEEL STICK ELECTRODES FOR STEELS DIFFICULT TO WELD

### LIMAROSTA® 312

AWS A5.4: E312-17  
ISO 3581-A: E 29 9 R 1 2  
AC/DC +

312

- Excellent for repair welding.
- Especially developed for steels difficult to weld, such as armour plates, austenitic Mn-steels and high C-steels.
- Excellent weldability and self releasing slag.

ALSO AVAILABLE IN Sahara ReadyPack®  
The best vacuum pack



Product Name	Ø (mm)	Length (mm)	Quantity per pack	kg per pack	Item Number
LIMAROSTA® 312	2.0	300	175	2.2	539769
	2.5	350	125	2.6	557640
	3.2	350	150	5.0	557664
	4.0	350	100	5.0	557671

## STICK ELECTRODES FOR REPAIR

### RepTec Cast 31

AWS A5.15: ENiFe-CI  
ISO 1071: E C NiFe-CI 1  
AC/DC -

- Electrode for repair welding of cast iron, malleable cast iron and cast iron to steel.
- The nickel-iron weld deposit is easily machinable.
- Particularly applicable for nodular cast iron.
- Hardness weld deposit ~ 180 HB.
- Excellent current carrying capacity due to bi-metal core wire.



Product Name	Ø (mm)	Length (mm)	Quantity per pack	kg per pack	Item Number
REPTEC CAST 31	2.5	300	154	2.5	557640
	3.2	350	82	2.5	557664
	4.0	400	47	2.5	557671

## GOUGING ELECTRODES

### 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.

### CARBONAIR

Pointed electrodes

Product Name	Ø (mm)	Length (mm)	Quantity per pack	kg per pack	Current Range (A)	Item Number
CARBONAIR	4.0	305	100	0.78	150-250	W000010645
	5.0	305	100	1.08	200-250	W000010443
	6.4	305	50	0.98	320-370	W000010444
	8.0	305	50	1.34	400-450	W000010445
	10.0	305	50	2.15	500-550	W000010446
	13.0	305	50	3.55	800-1000	W000010447

Product Name	Ø (mm)	Length (mm)	Quantity per pack	kg per pack	Current Range (A)	Item Number
CARBONAIR PLUS	8.0	355	50	1.80	500-550	W000010448
	10.0	430	50	3.22	600-650	W000010449
	13.4	430	50	4.97	800-1000	W000010450
	16.0	430	25	3.70	1000-1200	W000010451
	19.0	430	25	5.17	1200-1400	W000010452



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



# MMA ACCESSORIES

## PORTABLE QUIVERS

### WELDRY 372 INOX

Portable quivers for electrodes maintenance, near the welding working place. They preserve the electrodes from moisture avoiding hydrogen inclusion in the welding joint.

- Stainless steel body for increased strength difficult conditions.
- Handle, useful for moving.
- Preset temperature to 120°C.
- Plated heater resistance against the reservoir electrodes which allows a good repartition of temperature.

W000383150



EN 61000-6-2  
EN 61000-6-3  
EN 60204-1

## ELECTRODE HOLDERS

### CAÏMAN 200/400/600

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

LEVER TYPE  
WITH OPENED  
HEAD



W000010567 CAÏMAN 200  
W000010568 CAÏMAN 400  
W000010569 CAÏMAN 600

### OPTIMUS 300/400/500

- Economical models.
- Well-known for intensive use and powerful grip on the electrodes.
- Insulation class: A.

LEVER TYPE  
WITH CLOSED  
HEAD



W000010410 OPTIMUS 300  
W000010411 OPTIMUS 400  
W000010412 OPTIMUS 500

### STUBBY

- 400 A at 35%.
- Cable Ø: 70 mm<sup>2</sup>.
- Electrode Ø: 6.3 mm.
- Well known, fibre glass single part head + spare parts available.
- Right hand thread.



W000010036

## WELDING ACCESSORIES

### 4 ROWS STEEL WIRES

W000010163



### 4 ROWS STAINLESS STEEL WIRES

W000010165



### STEEL HEAD, WOODEN HANDLE

W000010801



## KITS ARC

Ready-to-use MMA accessories kit for an optimized time saving.

### KIT 25C25

- Ideal for semi professional welding.
- 200 A maximum at 35%.
- 9 mm connector (cable 16-25 mm<sup>2</sup>).
- CAÏMAN 200 clamp (cable 3 m).
- HIPPO 200 earth clamp (cable 3 m).

W000011138



### KIT 25C25+

- Ideal for intensive applications.
- 300 A maximum at 35%.
- Electrode diameter: 4 mm.
- 9 mm connector (cable 16-25 mm<sup>2</sup>).
- SEGURA 300 clamp (cable 3 m).
- HIPPO 400 earth clamp (cable 2 m).

W000260683

### KIT 25C50

- Ideal for small power sources for construction site works.
- 300 A maximum at 35%.
- Electrode diameter: 4 mm.
- 13 mm connector (cable 25-50 mm<sup>2</sup>).
- SEGURA 300 clamp (cable 3 m).
- HIPPO 400 earth clamp (cable 3 m).

W000260684

# TIG ARC EQUIPMENT

## SINGLE PHASE DC PORTABLE TIG WELDERS

### Invertec® 175TP & 220TPX

Full function DC TIG welding inverters with excellent arc control and perfect Arc Start in any welding conditions. All the machines have been designed, not only as a TIG welder, but to also operate as a stick welder with a variety of popular stick electrodes. Their portable rugged design makes them ideal for both in shop or field use.



- Advanced inverter technology for superior TIG performance.
- Full function user-friendly control panel layout with graph and numeric display make it easy to set all welding parameters.
- HF and Lift TIG ignition.



Product	Item Number	Primary Voltage (50-60Hz)	Current Range (A)	Rated Output (TIG)	Fuse Size (A) (slow)	Weight (kg)	Dimensions HxWxD (mm)
Invertec® 175TP	K14169-1	230V/1Ph	5-175	175A@25% 130A@100%	12	10.2	210 x 330 x 480
Invertec® 220TPX	K12057-1	115/230V/1Ph	2-220	220A/18.8V/25% 150A/16V/100%		13	328 x 212 x 465



### Invertec® V205-TP-2V

- Smart switching 230/400V single phase.
- HF and Lift TIG ignition.
- HIGH speed PULSE to adjust the arc focus, reduce distortion and increase travel speed.
- Excellent arc characteristics for rutile, basic and cellulosic electrodes up to 4.0 mm.
- Fan as needed (F.A.N.™) built-in reduces power and the intake of dust and fumes.



Product	Item Number	Primary Voltage (50-60Hz)	Current Range (A)	Rated Output	Fuse Size (A) (slow)	Weight (kg)	Dimensions HxWxD (mm)
Invertec® V205-TP-2V	K12021-1	230/400V/1Ph	5-200	200A/28V/35% 170A/26.8V/100%	35/20	16.2	385 x 215 x 480

# TIG ARC EQUIPMENT

## THREE PHASE TIG WELDERS



## Invertec® V270-T & TP

- Excellent arc characteristics for a wide range of applications.
- HF and Lift TIG ignition.
- Fully functional user-friendly control panel for easy setup of welding parameters.
- HIGH speed PULSE to adjust the arc focus, reduce distortion and increase travel speed (TP models).
- Fan as needed (F.A.N.™) built-in reduces power and the intake of dust and fumes.



Product	Item Number	Primary Voltage [50-60Hz]	Current Range [A]	Rated Output	Fuse Size [A] (slow)	Weight [kg]	Dimensions HxWxD (mm)
Invertec® V270-T	K12023-1	400V/3Ph	5-270	270A/30.8V/35% 200A/28V/100%	20	15.2	385 x 215 x 480
Invertec® V270-TP	K12024-1						
Invertec® V270-TP-2V	K12024-3	230/400V/3Ph			35/20		

## Invertec® 300TPX & 400TPX

The Invertec® 300TPX and 400TPX are industrial for tough conditions. They can be simply converted to a water-cooled unit by adding the COOLARC® 21 (300TPX) or COOLARC® 46 (400TPX) water-coolers. Robust, stable and well equipped carts are available for easy movement of the units.

- Advanced inverter technology for superior TIG performance.
- Full function user-friendly control panel layout with graph and a numeric display make it easy to set all welding parameters.
- Rugged construction: electrical safety (IP23), potted PC boards and optimum airflow reduce contamination to extend the equipment's life in the harshest environmental conditions.
- Complete TIG parameters setting: Pulse TIG with variable frequency that allows the welder to adjust the arc focus to suit the applications, 10 memory location for personalized welding setting, TIG Spot welding.
- Cellulosic capability.



**COOL ARC® 46**  
Item Number:  
K14105-1

**COOL ARC® 21**  
Item Number:  
K14103-1



Product	Item Number	Primary Voltage [50-60Hz]	Current Range [A]	Rated Output	Fuse Size [A] (slow)	Weight [kg]	Dimensions HxWxD (mm)	Protection/ Insulation Class
Invertec®300TPX	K12060-1	400V/3Ph	5-300	300A/22V/40% 220A/18.8V/100%	16	22	349 x 247 x 502	IP23S / H
Invertec®400TPX	K12043-1		5-400	400A/26V/35% 300A/22V/100%		37	455 x 301 x 632	

# TIG ARC EQUIPMENT

## SINGLE PHASE AC/DC TIG WELDERS



**COOL ARC® 24**  
Item Number:  
K14190-1

**CART24**  
Item Number:  
K14191-1



## ASPECT® 200

The Aspect® 200 AC/DC TIG welder has advanced TIG AC & DC Functions (Four wave shapes, Pulse, adjustable Balance and Offset) making it ideal for critical AC or DC TIG welding applications. It offers a simple control panel with bright digital display and an innovative control system, from the torch. It can be simply changed to a water cooled unit by adding the COOL ARC® 24 Water Cooler.

- Advanced inverter technology optimizes arc performance in a light-weight package.
- AC or DC output for a wide variety of material types and thicknesses.
- Adjustable AC frequency allows you to focus the arc for precise arc control.
- Cellulosic capability.



Item Number	Primary Voltage [50-60Hz]	Current Range [A]	Rated Output	Fuse Size [A] (slow)	Weight [kg]	Dimensions HxWxD (mm)
K14189-1	115/ 230V/1Ph	2-200	200A@35% 140A@100%	16	23	419 x 246 x 506

## THREE PHASE AC/DC TIG WELDERS

## ASPECT® 300

This industrial AC/DC TIG welder has been designed and built to perform in the most hazardous environments at high outputs: 300A at 35% duty cycle both in TIG AC and TIG DC application. The controller provides all the features you would expect from industrial AC/DC TIG inverter welders.

It can be simply changed to water-cooled by adding the COOL ARC® 46 Water Cooler. A robust, stable and well equipped cart is available for easy movement of the unit.

- Advanced inverter technology for superior TIG performance.
- Superb welding characteristics with TIG DC, TIG AC and Stick welding processes.
- Adjustable cleaning and penetration for perfect aluminium welding.
- Variable AC frequency (40-400Hz) for control of travel speed and penetration.
- Full function user-friendly control panel layout with graph and a numeric display make it easy to set all welding parameters.
- Cellulosic capability.



**COOL ARC® 46**  
Item Number:  
K14105-1



**CART**  
Item Number: K14129-1

Item Number	Primary Voltage [50-60Hz]	Current Range [A]	Rated Output	Fuse Size [A] (slow)	Weight [kg]	Dimensions HxWxD (mm)
K12058-1	230/400V/3Ph	2 - 300	300A/22V/35% 200A/18V/100%	32/20	43	455 x 301 x 632

## MILD STEEL TIG RODS

### LNT 26

AWS A5.18: ER70S-6  
ISO 636-A: W 42 5 W3Si1

Shielding gas  
I1: Inert gas Ar (100%)

- Solid rod for welding general construction in mild steel.
- Smooth bead appearance.

Product Name	Ø (mm)	Length (mm)	Weight per tube (kg)	Item Number
LNT 26	1.6	1000	5	T16T005R6S00
	2.0			T20T005R6S00
	2.4			T24T005R6S00
	3.0			T32T005R6S00

## STAINLESS STEEL TIG RODS

### LNT 304LSI

AWS A5.9: ER308LSI  
ISO 14343-A: W 19 9 LSI

Shielding gas  
I1: Inert gas Ar (100%)

- Solid rod with extra low carbon for welding stainless CrNiMo-steels, with high silicon for improved wettability.

Product Name	Ø (mm)	Length (mm)	Weight per tube (kg)	Item Number
LNT 304LSi	1.2	1000	5	580198
	1.6			582512
	2.0			582796
	2.4			582802
	3.2			583045

### LNT 316LSI

AWS A5.9: ER316LSI  
ISO 14343-A: W 19 12 3 LSI

Shielding gas  
I1: Inert gas Ar (100%)

- Solid rod with extra low carbon for welding stainless CrNiMo-steels, with high silicon for improved wettability.

Product Name	Ø (mm)	Length (mm)	Weight per tube (kg)	Item Number
LNT 316LSi	1.0	1000	5	580259
	1.2			580235
	1.6			583915
	2.0			583922
	2.4			582819
	3.2			583571

## ALUMINIUM TIG RODS

### SUPERGLAZE® TIG 5183

AWS A5.10: R5183  
ISO 18273: S Al 5183 [AlMg4.5Mn0.7(A)]

Shielding gas  
I1: Inert gas Ar (100%)

- Designed to meet the tensile strength requirements of magnesium alloys.
- For base materials 5083 and 5654.

Product Name	Ø (mm)	Length (mm)	Weight per tube (kg)	Item Number
SuperGlaze® TIG 5183	1.6	1000	5	ED701963
	2.0			ED702566
	2.4			ED701965
	3.2			ED701964
	4.0			ED702517

### SUPERGLAZE® TIG 5356

AWS A5.9: R5356  
ISO 18273: S Al 5356 [AlMg5Cr(A)]

Shielding gas  
I1: Inert gas Ar (100%)  
I3: Inert gas Ar+ 0.5-95% He

- General purpose filler alloy for welding 5XXX series alloys when 276 MPa tensile strength is not required.

Product Name	Ø (mm)	Length (mm)	Weight per tube (kg)	Item Number
SuperGlaze® TIG 5356	1.6	1000	5	ED701966
	2.0			ED702518
	2.4			ED702387
	3.2			ED701967
	4.0			ED702585

# TIG TORCHES

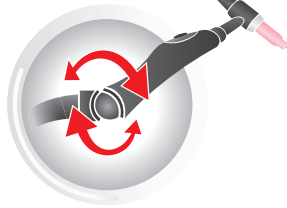
## WTT2

STANDARD RANGE

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



Standardised wear parts.



Easy pivoting handle (for EB handles).



Handle, made with high temperature silicon rubber.



Extra-flexible high performance cable.



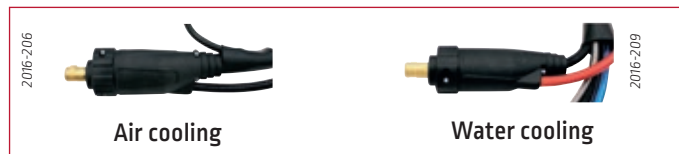
### CONNECTION



C5B

### NEW CONNECTOR:

Shaped cable output for a better robustness.



Air cooling

Water cooling

### Air cooling

MODEL		WTT2 9	WTT2 17	WTT2 26	
Duty cycle at 40°C	60%	80 A	100 A	130 A	
	35%	110 A	135 A	180 A	
Original equipment	back cap	long			
	nozzle	Ø 9.6 mm			
	electrode	Ø 1.6 mm	Ø 2.0 mm	Ø 2.4 mm	
Length*		4 m			
Handle	RL	C5B	W000278879	W000278884	W000278890
	EB	C5B	W000278875	W000278882	W000278887
	V	V (Conn. 9 mm)	W000278876	W000278880	-
		V (Conn. 13 mm)	-	W10529-17-4V	W000278885
EB-FLEX	C5B	W000382781	W000382782	W000382784	

### Water cooling

MODEL		WTT2 20 W	WTT2 18 W	
Duty cycle at 40°C	100%	200 A	320 A	
	60%	250 A	350 A	
Original equipment	back cap	long		
	nozzle	Ø 12.8 mm	Ø 16 mm	
	electrode	Ø 2.4 mm	Ø 3.2 mm	
Length*		4 m		
Handle	RL	C5B	W000278894	W000278898
	EB	C5B	W000278892	W000278896
	EB-FLEX	C5B	W000382786	W000382788

### WEAR PARTS BOX

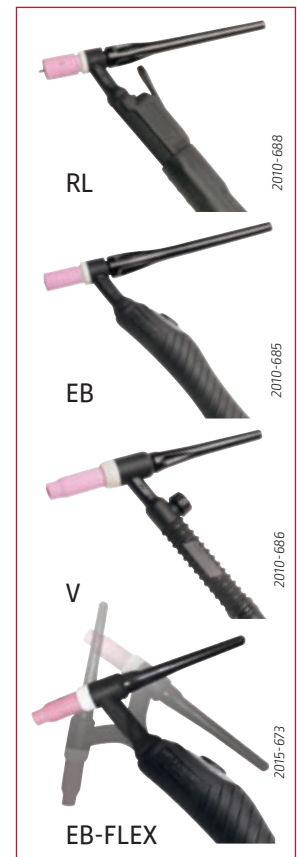
For an easier maintenance of the WTT2 torches, two boxes are available.



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

\* Available in 8 m [see general catalogue]

### HANDLE



RL

EB

V

EB-FLEX

# 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.

- Wear parts and accessories are the same for the whole PROTIG range.
- 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 manoeuvrability.
- 1 reference: the C5B connection of the torch is fitted as standard. It comes with banana plugs.



### Air cooling

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 mm				
	electrode	Ø 1.6 mm		Ø 2.0 mm		Ø 2.4 mm				
Length		5 m	8 m	5 m	8 m	5 m	8 m	5 m	8 m	
PROTIG III S	Connection	C5B/S	W000382715-2	W000382716-2	W000382717-2	W000382718-2	W000382719-2	W000382720-2	W000382721-2	W000382722-2
PROTIG NG S			W000278394-2	W000278395-2	W000278396-2	W000278397-2	W000278398-2	W000278399-2	W000278400-2	W000278401-2

### Water cooling

MODEL		PROTIG 10W		PROTIG 35W		PROTIG 40W		
Duty cycle 100%		220 A		350 A		450 A		
Fitted as standard	back cap	long						
	nozzle	Ø 12 mm		Ø 15 mm		Ø 14 mm		
	electrode	Ø 2.4 mm		Ø 4.0 mm		Ø 4.8 mm		
Length		5 m	8 m	5 m	8 m	5 m	8 m	
PROTIG III S	Connection	C5B/S	W000382723-2	W000382724-2	W000382725-2	W000382726-2	W000382727-2	-
PROTIG NG S			W000278402-2	W000278403-2	W000278404-2	W000278405-2	W000278406-2	W000278407-2

## PROTIG NG S

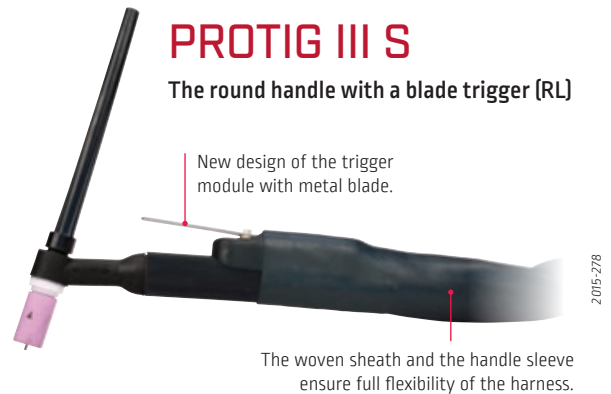
The ergonomic handle with button (EB)



2010-050\_ret

## PROTIG III S

The round handle with a blade trigger (RL)



2015-278

## OTHER BUTTONS

For potentiometer adapt the wiring to the welding machine.



2011-005\_ret

Designation	Item Number	
① Horizontal potentiometer	W000279370 [4.7 kΩ]	WP10529-3 [10 kΩ]
② Vertical potentiometer	W000279246 [4.7 kΩ]	WP10529-4 [10 kΩ]
③ 3 buttons module	WP10529-2	
④ Blade	W000279245	

## WEAR PART BOX FOR TIG TORCH

PROTIG III S / PROTIG NG S

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



2011-203

# TIG ACCESSORIES

## Tungsten electrodes WP - WC 20 - WL 20 - WS 2

150 mm length.

∅ mm	WP Pure tungsten AC current	WL15 Lanthanum 1.5% AC and DC current	WL20 Lanthanum 2% AC and DC current	WCe 20 Cerium 2% DC current	WS 2 Rare earths 2% AC and DC current
1.0	W000010009	W000402632	W000010373	W000010022	W000335166
1.6	W000010010	W000402663	W000010016	W000010023	W000335167
2.0	W000010011	W000402664	W000010017	W000010024	W000335168
2.4	W000010012	W000402665	W000010018	W000010025	W000335169
3.0	W000010013	W000402666	W000010019	W000010026	W000335170
3.2	W000010014	W000402667	W000010020	W000335150	W000335171
4.0	W000010015	W000402668	W000010021	W000010028	W000335172

Available in other lengths and types (see general catalogue)

## TIG SHARP

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

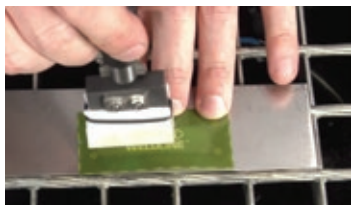
- Standard blue head for the electrodes diameter 1.6 / 2.0 / 2.4 / 3.2 mm.
- Nozzle connectable on a vacuum cleaner for extraction of tungsten dusts.
- Voltage: 220-230 V.
- Power: 400 W.
- Amperage: 1.8 A.
- Disk speed: 30 000 rpm.



## OPTICLEAN II

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

- 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 MACHINE  
W000382322  
MARKING KIT  
W000271936



	OPTICLEAN II
Primary Voltage	230 V - 1 Ph
Frequency	50/60 Hz
Capacity	450 W
Electrode Voltage	10/30 V AC/DC
Isolation Class	IP 23
Noise Level	<10 dB (A)
Machine Weight (empty)	7 kg
Machine Dimensions	300 x 230 x 240 mm





# MIG/MAG ARC EQUIPMENT

## SINGLE PHASE MIG COMPACT WELDERS

### Powertec® 161C, 191C, 231C, 271C

The Powertec® 161C, 191C, 231C and 271C MIG welders are all designed to provide a range of machines with a variety of welding outputs suitable for operating from a single-phase mains supply. The range begins with the 161C, which is ideal for the welding of thin sheet metal applications, repair and maintenance works. The Powertec® 191C and 231C have the power required for light construction applications, yet still offer the flexibility to weld thin material like the Powertec® 161C. The Powertec® 271C truly is the multi-purpose model in this range, ideal for both welding thin material and also light to medium construction work.

- Superior arc behaviour with premium starting performance and arc stability.
- Excellent control, with Burnback control, Spot welding function, 2/4 stroke feature (except PT161C) and additional voltage settings.
- Optional volt and ammeter (except PT161C).
- Easy to change polarity.
- Professional wire feeding system.



Product	Item Number	Primary Voltage [50-60Hz]	Current Range (A)	Rated Output	Fuse Size (A) (slow)	Weight (kg)	Dimensions HxWxD (mm)
Powertec® 161C	K14040-2	230V/1Ph	30-150	150A/21.5V/20%	16	53	615 x 390 x 825
Powertec® 191C	K14045-1		30-180	180A/23.0V/20%	20	70	765 x 427 x 850
Powertec® 231C	K14046-1		30-220	220A/25.0V/20%	25	80	
Powertec® 271C	K14047-1		30-255	255A/26.8V/20%	32	83	

# MIG/MAG ARC EQUIPMENT

## THREE PHASE MIG COMPACT WELDERS



### Powertec® 255C, 305C

The range begins with the 255C, capable of welding thin material but with the extra power required for light fabrication work. The Powertec® 305C truly is a multi-purpose model, ideal for both thin sheet applications and light to medium fabrication work.

- Products developed with a focus on applications.
- Excellent starting performance (stable and dynamic).
- Voltage selectors with multiple steps for precise adjustment.
- Excellent drive system with large diameter drive roll.
- Equipped with large diameter wheels, push/pull bar and lifting eyes for full manoeuvrability.
- Optional Volt Ammeter kit and polarity change kit.



Product	Item Number	Primary Voltage [50-60Hz]	Current Range [A]	Rated Output	Fuse Size [A] (slow)	Weight [kg]	Dimensions HxWxD (mm)
Powertec® 255C	K14055-1	400V/3Ph	25-250	250A/26.5V/35%	16	95	810 x 467 x 930
	K14055-2	230/400V/3Ph			25/16		
Powertec® 305C	K14056-1 & -3	400V/3Ph	30-300	300A/29V/35% 225A/25.2V/60%	20	96.5	
	K14056-2 & -4	230/400V/3Ph			32/20		

### Powertec® 305C PRO, 355C PRO, 425C PRO

The Powertec® PRO range of MIG welders is superior in all respects. All have excellent arc characteristics and very low spatter levels with argon mix or 100% CO<sub>2</sub> shielding gas. The extensive set of features on all Powertec® Pro's includes 2/4-step run-in, wire inch and gas purge. Two digital meters indicates clearly the welding voltage and amperage which when combined with the synergic control allows optimum and easy setting with controllability. Select the synergic control and voltage and the wire feed speed will then be adjusted automatically to suit.

- Superb Arc behaviour with Argon Mix and 100% CO<sub>2</sub>.
- Voltage selectors with multiple steps for precise adjustment.
- Synergic control to support easy control by the welder.
- Bright digital Volt and Ammeter.
- Completed with an extensive set of features.
- Large diameter wheels, push/pull bar and lifting eyes for full manoeuvrability.



Product	Item Number	Primary Voltage [50-60Hz]	Current Range [A]	Rated Output	Fuse Size [A] (slow)	Weight [kg]	Dimensions HxWxD (mm)
Powertec® 305C PRO	K14057-1	230/400V/3Ph	30-280	280A/28V/40% 230A/25.5V/60%	32/20	145	890 x 565 x 1040
Powertec® 355C PRO	K14058-1		30-350	350A/31.5V/40% 285A/28.2V/60%	40/25	147	890 x 696 x 1040
Powertec® 425C PRO	K14059-1A		30-420	420A/35V/40% 345A/31.3V/60%	50/32	162	

# MIG/MAG ARC EQUIPMENT

## THREE PHASE MIG COMPACT WELDERS

### Powertec® i250C, i320C, i380C

Powertec® i are inverter based compact welders for MIG/MAG and MMA welding. Powertec® i250C and i320C are available in 2 models: STANDARD (Volt & WFU controls and digital volt/ammeters) or ADVANCED (colour screen & synergic). Powertec® i380C ADVANCED has water cooling capacity by simply adding the new COOL ARC® 26.



- Designed with welders for welders: Perfect handling, innovative and easy communication.
- Innovative intuitive interface: Simple navigation, easy settings and process selection.
- Perfect feedability: Optimized wire positioning, 4 driven rolls, inspection window.
- Premium arc performance with repeatable arc ignition, excellent arc stability, rapid parameter adjustment.
- Ready for the heaviest industrial conditions: Developed and tested under the hardest conditions (TRUE HD) to grant the reliability you need.

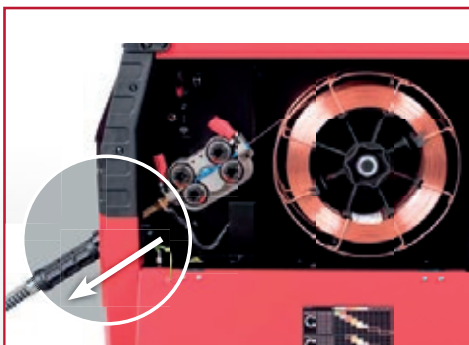


COOL ARC® 26  
Item Number:  
K14182-1



Product	Item Number	Primary Voltage (50-60Hz)	Current Range (A)	Rated Output	Weight (kg)	Dimensions HxWxD (mm)		
Powertec® i250C	Standard K14157-1	400V/3Ph	10-250	250A/60% 195A/100A	66.5	870 x 540 x 900		
	Advanced K14157-2							
Powertec® i320C	Standard K14158-1		10-320	320A/40% 250A/60% 195A/100%				
	Advanced K14158-2							
Powertec® i380C	Advanced K14180-1		10-380	380A/40% 320A/60% 240A/100%			69.2	870 x 560 x 900

### PERFECT FEEDABILITY

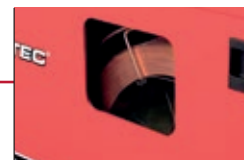


**Optimized wire positioning:** improved arc stability & reduced gun vibration



**4 rolls/ all driven:**

- eliminates wire slipping
- no wire deformation



**Inspection window:** easier notification for spool change



**LED lights:** better visibility

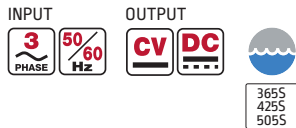
# MIG/MAG ARC EQUIPMENT

THREE PHASE MIG WELDERS WITH SEPARATE WIRE FEEDERS

## Powertec® 305S, 365S, 425S, 505S

With the full range of Powertec® power sources and the LF22M & 24M (Pro) wire feeders, Lincoln is able to offer you unrivalled choice of step voltage MIG machines. With multiple output levels available across the power source range; 2 or 4 roll feeders with or without meters and a variety of interchangeable features, the choice is huge: there are 12 different combinations which give the Powertec® range unparalleled flexibility. Design of the LF22M, 24M and 24M Pro feeders focused on ruggedness, physical dimensions and ease of use. The result is an incredibly rugged casing with the primary controls on the exterior and secondary controls secure within the protective casing close to the wire drive.

- Superb Arc behaviour with Argon Mix and 100% CO<sub>2</sub>.
- Voltage selectors with multiple steps for precise adjustment.
- Two choke tabs to support superb Arc behaviour.
- Fan as needed (F.A.N.™).
- Completed with an extensive set of features.
- Large diameter wheels, push/pull bar.



Source / Wire feeder cable gas  
K10347-PG-xxM\*  
Source / Wire feeder cable water  
K10347-PGW-xxM\*  
\* xx = 5, 10, 15, 20, 25 m

**COOL ARC® 25**  
Item Number:  
K14037-1



Product	Item Number	Primary Voltage [50-60Hz]	Current Range [A]	Rated Output	Fuse Size [A] (slow)	Weight [kg]	Dimensions HxWxD (mm)
Powertec® 305S	K14060-1	230/400V/3Ph	30-300	300A/29V@35% 230A/25.5V@60%	32/20	94	770 x 467 x 930
Powertec® 365S	K14061-1A K14061-2A	230/400V/3Ph 220/380/440/3Ph	30-350	350A/31.5V@40% 285A/28.2V@60%	40/25	141	880 x 700 x 1030
Powertec® 425S	K14062-1A K14062-2A	230/400V/3Ph 220/380/440/3Ph	30-420	420A/35V@40% 345A/31.5V@60%	50/32	151	
Powertec® 505S	K14063-1A K14063-2A	230/400V/3Ph 220/380/440/3Ph	40-500	500A/39V@40% 400A/34.5V@60%	63/40	160	

## LF-22M, 24M, 24M PRO



Product	Item Number	Cooling	Input Power	WFS Range (m/min)	Wire Size Range (mm)		Weight (kg)	Dimensions HxWxD (mm)
					Solid	Cored		
LF-22M	K14064-1	A	34-44V AC	1-20	0.8-1.6	1.0-1.6	15	440 x 275 x 636
LF-24M	K14065-1W	A/W					17	
LF-24M PRO	K14066-1W						17	



Product	Two or Four Roll	Burn Back	Run In	Meters	2/4 Step Trigger	Synergic	Cold Feed	Gas Purge	Spot Welding	Gas Pre Flow
LF-22M	2	●	—	Option	●	—	—	—	●	—
LF-24M	4	●	●	●	●	—	●	●	●	—
LF-24M PRO	4	●	●	●	●	●	●	●	—	●

# MIG/MAG ARC EQUIPMENT

THREE PHASE MIG WELDERS WITH SEPARATE WIRE FEEDERS

## CV-425, CV-510

The CV-425 and CV-510 are industrial power sources designed for heavy duty applications. Both welding power sources are tested at +40°C and rated at 60% duty cycle. As a result, these MIG welders can operate and weld in any environment at a 100% duty cycle.

- Potted and encapsulated printed circuit board controls in separate dust free compartments.
- Different feeders for construction and shipyards, all with meters, with or without synergy or memory; just select the one of your choice.
- Superb arc behaviour with argon mix and 100% CO<sub>2</sub>.



Source / Wire feeder cable gas  
K10347-PG-xxM\*  
Source / Wire feeder cable water  
K10347-PGW-xxM\*  
\* xx = 5, 10, 15, 20, 25 m

**COOL ARC® 25**  
Item Number:  
K14037-1



Product	Item Number	Primary Voltage (50-60Hz)	Current Range (A)	Rated Output	Fuse Size (A) (slow)	Weight (kg)	Dimensions HxWxD (mm)
CV-425	K14080-1A	230/400V/3Ph	10-420	420A/35V/60%	63/32	152	880 x 696 x 1020
	K14080-2A	220/380/440V/3Ph		325A/30.3V/100%	63/32/32		
CV-510	K14081-1A	230/400V/3Ph	10-500	500A/39V/60%	63/32	160	
	K14081-2A	220/380/440V/3Ph		325A/33.3V/100%	63/32/32		



## LF-33, LF33S

The LF33S and 33 are wire feeders designed to withstand extreme environmental conditions. The feeders are able to accept not only D300 (15 kg), but also small D200 (5 kg) wire spools, using solid or cored wire including Innershield. The entry level LF33 is equipped with 2/4-step, run-in, wire inch and gas purge. Two clear digital meters display the welding voltage and amperage.

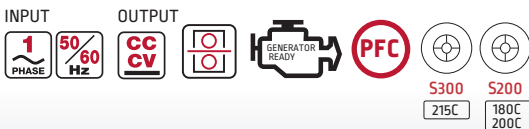
Product	Item Number	Cooling	Input Power	WFS Range (m/min)	Wire Size Range (mm)		Weight (kg)	Dimensions HxWxD (mm)
					Solid	Cored		
LF-33	K14030-1W	A/W	34-44V AC	1-20	0.8-1.6	1.0-1.6	17	440 x 275 x 636
LF-33S	K14051-1						12	350 x 195 x 530

# MIG/MAG ARC EQUIPMENT

## SINGLE PHASE MIG COMPACT MULTI-PROCESS WELDERS

### Speedtec® 180C, 200C, 215C

- Compact and Robust, Innovative, Portable and Lightweight. Anyplace, Anywhere.
- Multiple Tasks: Speedtec® 180C: CV MIG, FCW, Stick. Speedtec® 200C/215C: CV MIG, CV Synergic, FCAW, Stick, Lift TIG.
- User Friendly Operation: Icon control panel (Speedtec® 180C) Icon control colour TFT Interface screen (Speedtec® 200C/215C).
- Superior Arc Performance. CV MIG: Infinitely Variable Control of voltage, Wire Feed Speed and Inductance. Stick: Hot Start and Arc Force Control. TIG: Lift TIG avoids tungsten contamination.
- Smart housing: 15kg spool capability, helpful shelves, 48% lower weight, compared to conventional MIG equipment (Speedtec® 215C).



CART  
Item Number:  
K14114-1

Product	Item Number	Primary Voltage (50-60Hz)	Current Range (A)	Rated Output (GMAW)	Fuse Size (A) (slow)	Weight (kg)	Dimensions HxWxD (mm)
Speedtec® 180C	K14098-1	230V/1Ph	20-200	200A/24V/25%	16	17.3	396 x 246 x 527
Speedtec® 200C	K14099-1 K14099-2 (Australian ver.) K14099-2 (Brazilian ver.)	115/230V/1Ph					
Speedtec® 215C	K14146-1 K14146-2 (Australian ver.)					42.0	780 x 400 x 750

## THREE PHASE MIG COMPACT MULTI-PROCESS WELDER

### Speedtec® 320CP

SPEEDTEC® 320CP utilizes the very latest power source technology for efficiency and lower energy consumption. A lot of options are available to make the welder tasks easier. A wide range of synergic programs are available as standard allowing simple yet precise control of welding parameters for the best results every time.

- User friendly control panel. Easy settings and process selection.
- Technological Advance 99 programs, Call programs with trigger, Welding cycle sequencer.
- Ready for the heaviest industrial conditions. Developed and tested under the hardest conditions to grant the reliability you need.
- Synergic mode more than 100 synergic programs are available for precise control of welding parameters.
- Modular concept to meet all user requirements.



Product	Item Number	Primary Voltage (50-60Hz)	Current Range (A)	Rated Output (GMAW)	Fuse Size (A) (slow)	Weight (kg)	Dimensions HxWxD (mm)
Speedtec® 320CP	K14168-1	400V/3Ph	15-320	320A@40% 280A@60% 220A@100%	16	37	743 x 335 x 534

# MIG/MAG ARC EQUIPMENT

THREE PHASE MIG ADVANCED MULTI-PROCESS WELDERS  
WITH SEPARATE WIRE FEEDERS

## Speedtec® 405S, 505S, 405SP, 505SP

The Speedtec® range is the solution for Industrial Multi-process applications. With modular and compact design these multi-process welders are easy to move around site. With the latest high frequency inverter technology, the arc is precisely controlled, many times faster than conventional analogue power sources. The electrical characteristics of the welding power can be changed by software in real time updates. A wide range of synergic programs are available as standard allowing simple yet precise control of welding parameters for the best results every time.



- Premium welding behaviour on CV MIG & Stick welding.
- Variable inductance control.
- Job control with limits secured by a password (PF46).
- Continuous control of wire feed Speed and voltage.
- Remote control on the gun (PF46 & optional for PF44).
- Pre-setting & Multi procedure (PF46).



Source / Wire feeder cable gas  
K10349-PG-xxM\*  
Source / Wire feeder cable water  
K10349-PGW-xxM\*  
\* xx = 5, 10, 15 m



COOL ARC® 46  
Item Number: K14105-1



UNDERCARRIAGE  
Item Number: K14096-1

Product	Item Number	Primary Voltage [50-60Hz]	Current Range [A]	Rated Output	Fuse Type rG or Circuit Breaker Type Z	Weight [kg]	Dimensions HxWxD (mm)
Speedtec® 405S	K14117-1	400V/3Ph	20-400	400A/34V/80%	32A	50	535x300x635
Speedtec® 505S	K14116-1		20-500	500A/39V/60%			
Speedtec® 405SP	K14117-2		20-400	400A/34V/80%			
Speedtec® 505SP	K14116-2 14116-3 (Brazilian ver.)		20-500	500A/39V/50%			

## Power Feed® 41, 42, 44, 46



Product	Item Number	Cooling	Input Power	Output Power	WFS Range (m/min)	Wire Size Range (mm)		Weight (kg)	Dimensions HxWxD (mm)
						Solid	Cored		
PF-41	K14163-1	A/W	40V DC	500A@60%	1.0-22	0.8-1.6	1.0-1.6	17	460 x 300 x 640
PF-42	K14107-1							18	
PF-44	K14108-1							18.5	
PF-46	K14109-1							18.5	

Product	Two or Four Roll	Digital Meters	Crater Fill	Hot/Soft Start	Pre-Set	Synergic	Memory/ Limits	Pass Code	Graphic TFT Display	USB
PF-41	4	●	●	-	●	-	-	-	-	-
PF-42	4	●	●	-	●	●	-	-	-	-
PF-44	4	●	●	●	●	●	-	●	●	-
PF-46	4	●	●	●	●	●	●	●	●	●

# MIG/MAG ARC EQUIPMENT

POWER WAVE® EQUIPMENT

## Power Wave® C300, S350, S500



### Power Wave®C300

- Integrated user interface and wire feeder.
- 250 A at 100% duty cycle.
- Output range: 5-300 A.

### Power Wave®C350

- Advanced welding performance, compact package.
- 300 A at 100% duty cycle.
- Output range: 5-350 A.

### Power Wave®S500

- Advanced welding performance, compact package.
- 300 A at 100% duty cycle.
- Output range: 5-350 A.



Product	Item Number	Primary Voltage (50-60Hz)	Current Range (A)	Rated Output	Fuse Size (A) (slow)	Weight (kg)	Dimensions HxWxD (mm)
Power Wave® C300	K2865-1	230/400V/3Ph (208-575V)	5-300	300A/29V/40%	40/25	50.4	478 x 356 x 610
Power Wave® S350 CE	K2823-2	400V/3Ph (380-575V)	5-350	350A/31.5V/40%		46.6	518 x 356 x 630
Power Wave® S500 CE	K3168-1		5-500	500A/39V/60%	90/60	68	570 x 356 x 630





# MIG/MAG WIRES

## MILD STEEL MIG WIRES

### ULTRAMAG®

AWS A5.18: ER70S-6  
ISO 14341-A: G 46 4 M21 3Si1 / G 42 3 C1 3Si1

#### Shielding gas

M21: Mixed gas Ar+ >15 to 25% CO<sub>2</sub>  
C1: Active gas 100% CO<sub>2</sub>

General purpose wire covering most of the applications in the general industry, including robotic welding in the field of large volume parts production. The UltraMag® solid wire has an optimised surface condition excellent for longer liners. This helps to avoid residue buildup and liner clogging.

- Good feedability, consistent welding performance.
- Very good weldability, stable arc, and low spatter.
- High productivity.



### SUPRAMIG®

AWS A5.18: ER70S-6  
ISO 14341-A: G 46 4 M21 3Si1 / G 42 3 C1 3Si1

#### Shielding gas

M21: Mixed gas Ar+ >15 to 25% CO<sub>2</sub>  
C1: Active gas 100% CO<sub>2</sub>

The SUPRAMIG® solid wire is the best choice for a wide range of applications, such as welding in the overall transportation and automotive sectors, as well as in fully automated pipeline welding and applications in the energy sector. The unique chemical composition of the steel, controlled within a tighter tolerance than the ISO and EN standards require, significantly improves the accuracy and repeatability of the welding process.

- Excellent feedability and very consistent welding performance.
- Tight and stable arc with extremely low spatter.
- Better bead profile and appearance.

### SUPRAMIG® ULTRA HD

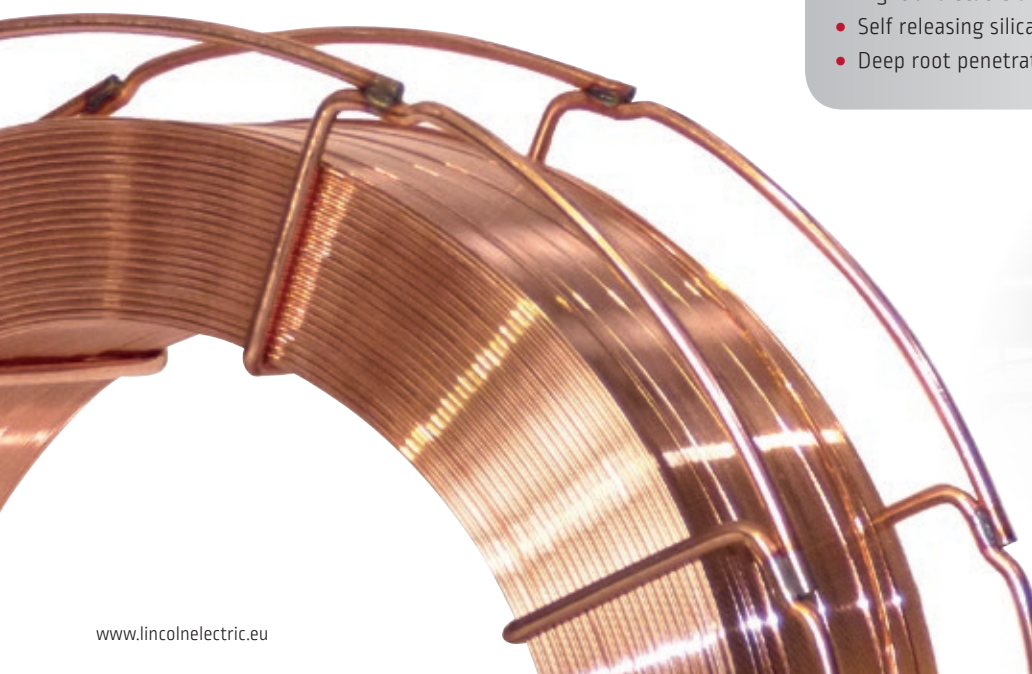
AWS A5.18: ER70S-6  
ISO 14341-A: G 50 5 M 4Si1 / G 46 3 C 3Si1

#### Shielding gas

M21: Mixed gas Ar+ >15 to 25% CO<sub>2</sub>  
C1: Active gas 100% CO<sub>2</sub>

Lincoln Electric SUPRAMIG® ULTRA HD wire offers the highest performance in terms of: deposition rate, feeding reliability and consistency, best finish with no rework. This allows customers in robotic environments to benefit from some of the highest throughput and First Pass Yield in industry!

- Excellent feedability and very consistent welding performance.
- Tight and stable arc with extremely low spatter.
- Self releasing silicate islands.
- Deep root penetration and improved fatigue life.



# MIG/MAG WIRES

## STAINLESS STEEL MIG WIRES

### LNM 304LSI

AWS A5.9: ER308LSi  
ISO 14343-A: G 19 9 Lsi

#### Shielding gas

M11: Mixed gas Ar+ 0.5-5% CO<sub>2</sub> + 0.5-5%H<sub>2</sub>

M12: Mixed gas Ar+ >0.5-5% CO<sub>2</sub>

M13: Mixed gas Ar+ >0.5-3% O<sub>2</sub>

- Extra low carbon for welding austenitic CrNi-steels.

Product Name	Ø (mm)	Cond.	Unit Weight (kg)	Item Number
LNM 304LSI	1.0	BS300	15.00	581393
	1.0	Accutrak drum	200.00	581285
	1.2	BS300	15.00	581409
	1.2	S300	15.00	581412
	1.2	Accutrak drum	250.00	581362
	1.6	BS300	15.00	581416

### LNM 316LSI

AWS A5.9: ER316LSi  
ISO 14343-A: G 19 12 3 Lsi

#### Shielding gas

M11: Mixed gas Ar+ 0.5-5% CO<sub>2</sub> + 0.5-5%H<sub>2</sub>

M12: Mixed gas Ar+ >0.5-5% CO<sub>2</sub>

M13: Mixed gas Ar+ >0.5-3% O<sub>2</sub>

- Solid wire with extra low carbon for welding stainless CrNiMo-steels.

Product Name	Ø (mm)	Cond.	Unit Weight (kg)	Item Number
LNM 304LSI	0.8	BS300	15.00	581423
	1.0	BS300	15.00	581430
	1.0	Accutrak drum	250.00	581263
	1.2	BS300	15.00	581447
	1.2	Accutrak drum	250.00	581270
	1.6	BS300	15.00	581515

## ALUMINIUM MIG WIRES

### SUPERGLAZE® MIG 5183

AWS A5.10: R5183  
ISO 18273: S Al 5183 [AlMg4.5Mn0.7(A)]

#### Shielding gas

I1: Inert gas Ar (100%)

I3: Inert gas Ar+ 0.5-95% He

- Designed to meet the tensile strength requirements of magnesium alloys.
- For base materials 5083 and 5654.

Product Name	Ø (mm)	Cond.	Unit Weight (kg)	Item Number
SUPERGLAZE® MIG 5183	1.0	BS300	700	ED701901
	1.2	BS300	700	ED701758
	1.6	BS300	700	ED701759
	1.2	GEMPAK	136	ED703036
	1.6	GEMPAK	136	ED703234

### SUPERGLAZE® MIG 5356

AWS A5.9: R5356  
ISO 18273: S Al 5356 [AlMg5Cr(A)]

#### Shielding gas

I1: Inert gas Ar (100%)

I3: Inert gas Ar+ 0.5-95% He

- General purpose filler alloy for welding 5XXX series alloys when 276 MPa tensile strength is not required.

Product Name	Ø (mm)	Cond.	Unit Weight (kg)	Item Number
SUPERGLAZE® MIG 5356	0.8	BS300	0.50	ED702739
	0.8	BS300	700	ED701762
	1.0	S100	0.50	ED702740
	1.0	BS300	700	ED701763
	1.2	S100	0.50	ED702741
	1.2	S200	2.00	ED702755
	1.2	BS300	700	ED701764
	1.2	GemPak	136.00	ED703007
	1.6	S100	700	ED701765

# FCAW/MCAW WIRES

## GAS-SHIELDED FLUX-CORED WIRES

### OUTERSHIELD® MC710-H

AWS A5.18: E 70C-6M-H4  
ISO 17632-A: T 46 3 M M 2 H5

#### Shielding gas

M21: Mixed gas Ar+ >15 to 25% CO<sub>2</sub>

OUTERSHIELD MC710-H is the market leading general purpose metal cored wire applied for welding of 355-460 MPa mild steels. The wire meets impact requirements at -30°C (M21) and is characterized by very low content of diffusible hydrogen – below 4 ml/100g. Key successful factors are outstanding productivity and aesthetic surface finish with very little silicate islands.

OUTERSHIELD MC710-H characterized by forgiving arch which delivers good penetration and side wall fusion. Perfect operability on CV short and spray arc, suitable for pulse welding modes and robotic applications.

Product Name	Ø (mm)	Cond.	Layer Wound	Unit Weight (kg)	Item Number
OUTERSHIELD® MC710-H	1.2	B300	PLW	16	900300N
	1.2	Drum		20	900398
	1.4	B300		16	900328N
	1.4	B300		16	900314N

### OUTERSHIELD® 71E-H

AWS A5.20: E71T-1C-H4 / E71T-1MJ-H4  
ISO 17632-A: T 46 3 P M 1 H5

#### Shielding gas

M21: Mixed gas Ar+ >15 to 25% CO<sub>2</sub>

C1: Active gas 100% CO<sub>2</sub>

OUTERSHIELD 71E-H is leading rutile flux cored wire designed for reliable welds in shipbuilding and general fabrication segments. The wire is applied for welding of 355-460 MPa steels, meets impact requirements at -30°C (M21) and is characterized by very low content of diffusible hydrogen – below 4ml/100g. OUTERSHIELD 71E-H helps to increase productivity both in positional and downhand welding. It delivers regular welds with self-peeling slag and regular bead profile. Perfect solution for single and multipass welds.

Product Name	Ø (mm)	Cond.	Layer Wound	Unit Weight (kg)	Item Number
OUTERSHIELD® 71E-H	1.2	S200	PLW	5	900125
	1.2	B300		16	900156N
	1.6	S300		16	900262N



### OUTERSHIELD® MC715-H

AWS A5.18: E70C-6M H4  
ISO 17632-A: T 46 4 M M2 H5

#### Shielding gas

M21: Mixed gas Ar+ >15 to 25% CO<sub>2</sub>

OUTERSHIELD MC715-H is metal cored wire designed for steel construction and offshore segments, it is applied for welding of 355-460 MPa mild steels. The wire meets impact requirements at -40°C and can be delivered with impact tested -50°C (special order). MC715-H, similarly to most of Outershield wires, is characterized by very low content of diffusible hydrogen – below 4ml/100g. Key successful factors are outstanding productivity and aesthetic surface finish with very little silicate islands. OUTERSHIELD MC715-H characterized by forgiving arch which delivers good penetration and side wall fusion. Perfect operability on CV short and spray arc, suitable for pulse welding modes and robotic applications.

Product Name	Ø (mm)	Cond.	Layer Wound	Unit Weight (kg)	Item Number
OUTERSHIELD® MC715-H	1.2	B300	PLW	16	900401N
	1.4	B300		16	900408N
	1.6	B300		16	900415N

# FGAW/MCAW WIRES

STAINLESS STEEL FLUX-CORED WIRES WITH LOW CrVI EMISSION RATE

## CLEAROSTA F 304L

AWS A5.22: E308LT1-1 / E308LT1-4

ISO 17633-A: T 19 9 L P C 1

ISO 17633-A: T 19 9 L P M 1

ISO 17633-B: TS308L-FB1

304/308

### Shielding gas

M21: Mixed gas Ar+ >15 to 25% CO<sub>2</sub>

C1: Active gas 100% CO<sub>2</sub>

- As unparalleled consistency in weldability and mechanical properties as standard grades.
- Eliminates typical disadvantages of GMAW and SMAW welding (lack of penetration, cold laps, slag inclusions).
- Reduced welding cost compared to GMAW, standard M21 shielding gas is used.
- Works better than GMAW both on standard CV and pulse welding modes.
- Very good weld appearance and regularity.
- Optimal slag system helps to achieve best results.



Product Name	Ø (mm)	Cond.	Unit Weight (kg)	Item Number
CLEAROSTA F 304L	1.2	BS300	15	710013

## CLEAROSTA F 316L

AWS A5.22: E316LT1-1 / E316LT1-4iso

ISO 17633-A: T 19 12 3 L P C 1

ISO 17633-A: T 19 12 3 L P M 1

ISO 17633-B: TS316L-FB1

316

### Shielding gas

M21: Mixed gas Ar+ >15 to 25% CO<sub>2</sub>

C1: Active gas 100% CO<sub>2</sub>

- As unparalleled consistency in weldability and mechanical properties as standard grades.
- Eliminates typical disadvantages of GMAW and SMAW welding (lack of penetration, cold laps, slag inclusions).
- Reduced welding cost compared to GMAW, standard M21 shielding gas is used.
- Works better than GMAW both on standard CV and pulse welding modes.
- Very good weld appearance and regularity.
- Optimal slag system helps to achieve best results.



Product Name	Ø (mm)	Cond.	Unit Weight (kg)	Item Number
CLEAROSTA F 316L	1.2	BS300	15	710015



# EXPOSURE TO CrVI REDUCED

## SELF-SHIELDED FLUX-CORED WIRES

## INNERSHIELD® NR-232

AWS A5.20: E71T-8

AWS A 5.36 / E71T8-A2-CS3-H16

ISO 17632-A:T 42 2 Y N 2 H10

INNERSHIELD NR-232 is the Lincoln self-shielded wire for structural fabrication, including those subject to seismic requirements. The wire is characterized by penetrating arc and high deposition rates for out of position welding. Fast freezing and easy to remove slag helps to obtain optimal productivity and weld quality.

Product Name	Ø (mm)	Cond.	Layer Wound	Unit Weight (kg)	Item Number
INNERSHIELD® NR-232	1.7	14lb		6.1	ED012518
	1.8	50lb	RW	22.7	ED012523
	2.0	50lb		22.7	ED012526

# MIG/MAG GUNS

## LGS2

STANDARD RANGE



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

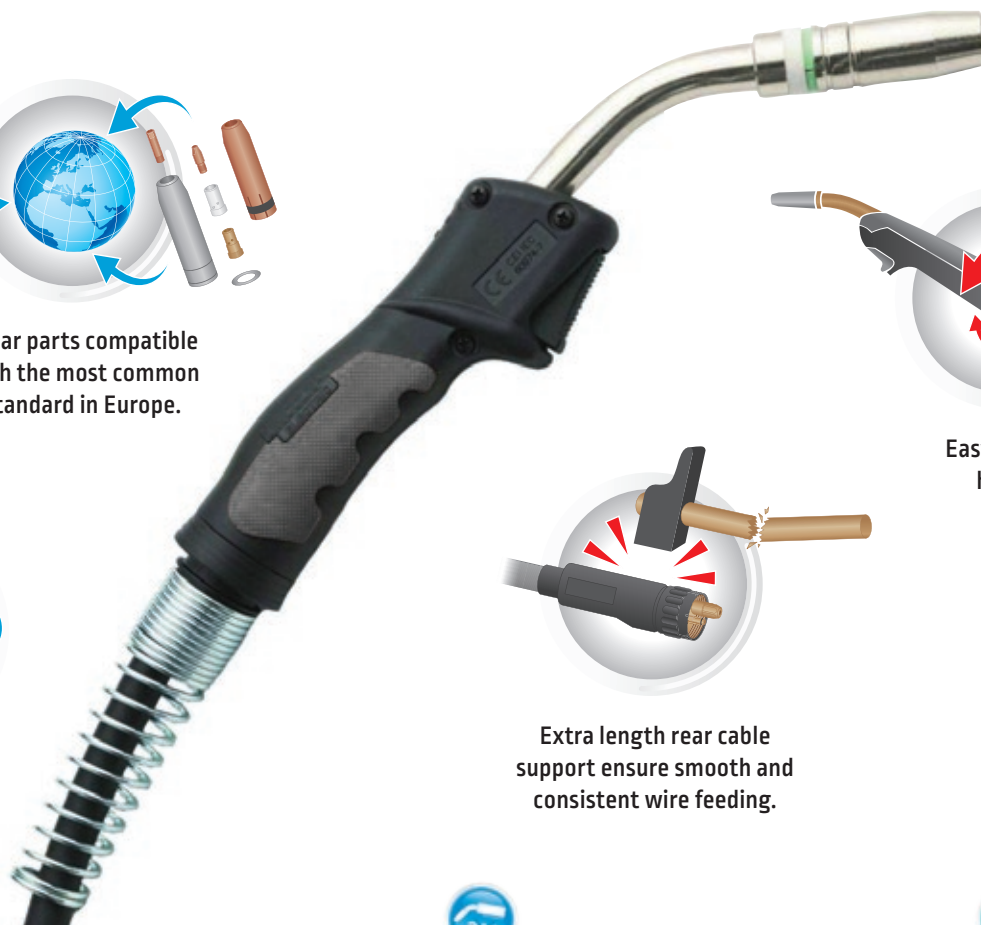
See our WST2 range for fume extraction torches page 42.



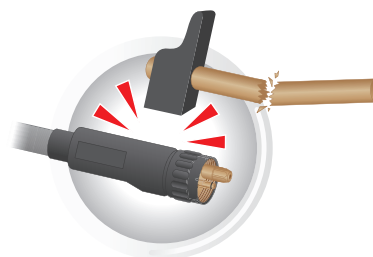
Wear parts compatible with the most common standard in Europe.



Extra-flexible cable.



Easy pivoting handle.



Extra length rear cable support ensure smooth and consistent wire feeding.



Air Cooling



Water Cooling

Model	LGS2-150G	LGS2-250G	LGS2-240G	LGS2-360G	LGS2-505W
Duty cycle (CO <sub>2</sub> shielding gas)	180 A @ 60%	230 A @ 60%	250 A @ 60%	330 A @ 60%	500 A @ 100%
Applications	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 equipment	Contact tip	0.8 mm	1.0 mm	1.0 mm	1.2 mm
	Conical nozzle	12 mm	15 mm	12.5 mm	16 mm

### Item Number

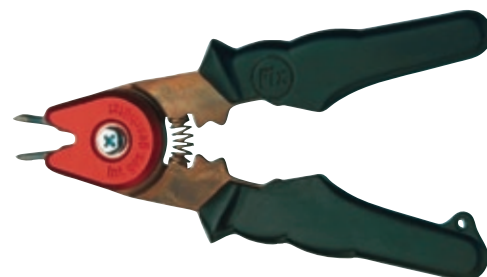
3 m	W10429-15-3M	W10429-25-3M	W10429-24-3M	W10429-36-3M	W10429-505-3M
4 m	W10429-15-4M	W10429-25-4M	W10429-24-4M	W10429-36-4M	W10429-505-4M
5 m	W10429-15-5M	W10429-25-5M	W10429-24-5M	W10429-36-5M	W10429-505-5M

## MIG pliers (original FIX®)

Useful to:

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

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



# MIG/MAG ACCESSORIES



## WEAR PARTS BOX MIG-BOX FOR LGS2

The storage you were missing!



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

W000387234

### MIG-BOX LGS2 250G

W000387235

### MIG-BOX LGS2 240G

WP10429-K240



### MIG-BOX LGS2 360G

W000387236

### MIG-BOX LGS2 505W

W000387237

## ANTI-SPATTERS

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

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



W000010001  
Box of 12

### CERASKIN

- Ceramic coating.
- An exceptionally fast drying, long lasting and durable coating.
- The ceramic base makes a barrier and prevents weld spatter adhering to welding equipment and welded parts.
- Grants 8 consecutive hours welding work (1 working day), without any further adds of product.



W000277679

## ANTI-CORROSION

### GALVASPRAY

- By projecting an aluminium layer, it protects the weld bead and dries quickly. Can be painted.



W000011094

## NON DESTRUCTIVE CRACKS DETECTION

CLASSIFICATION  
EN 3452-2,  
ASME, RCCM



### FLUXO

Cleaner, penetrant and developer



### FLUXO S190

- Piece degreasing & cleaning of penetrant excess.



W000374827

### FLUXO P125

- Penetrant.
- Temperature of use: 0°C to 50°C.
- Without rhodamine.
- Good impregnation.
- A single spray lasts more than 30 min without drying.



W000374825

### FLUXO R175

- Detection of cracks and surface faults. 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).



W000374826

# PLASMA ARC EQUIPMENT

## SINGLE PHASE INVERTER PLASMA CUTTER



Torch LC25 included  
(PTH-C25A-SL-3MR)

### Invertec® PC-210

The Plasma PC-210 is the most flexible plasma cutting machine you could envisage. The unit arrives ready to go, able to cut fast and precisely. And, with a weight of only 18.5 kg combined with its small size, this versatile machine can be used anywhere, anytime.

- Flexible: only 230 V input required.
- High performance: innovative advanced electrode and nozzle design.
- Robust: long life compressor.
- Different materials: mild steel, stainless steel, aluminium and many more.
- Concentrated plasma stream: less heat input, less distortion.



- Using internal compressor: recommended up to 10 mm mild steel.
- Can also be used with an external compressor: recommended up to 10 mm mild steel.



Product	Item Number	Primary Voltage [50-60Hz]	Rated Output	Cutting Capacity [mm]	Flow Rate	Inlet Pressure	Output Range [A]	Weight [kg]	Dimensions HxWxD [mm]
Invertec® PC-210	K12038-1	230V/1Ph	25A/90V/35% 20A/88V/60% 15A/86V/100%	10	200A/28V/35% 170A/26.8V/100%	6.0bar	10-25	18.5	385 x 215 x 480

## THREE PHASE INVERTER PLASMA CUTTERS

### Tomahawk® 1025, 1538

The Lincoln Tomahawk® concept for Plasma cutting focuses on three elements:

S – An innovative and patented striking system preserves the electrode tip and extends its lifetime.

P – Circular enhancements with improved radial airflow and innovative electrode/nozzle design concentrate the plasma stream.

L – The internally cooled electrode and torch head and electrode/nozzle design considerably increase their lifetime.



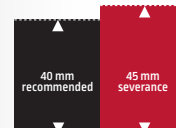
Torch LC105 included  
(PTH-101A-CX-7M5A)

Torch LC65 included  
(PTH-061A-CX-7M5A)

- Starting: innovative advanced arc starting without HF.
- Performance: innovative advanced electrode and nozzle design.
- Longer lifetime: innovative advanced design increases lifetime of consumables.
- Faster: higher travel speeds and plate thickness.
- Flexible: multiple torch configurations.
- Different materials: mild steel, stainless steel, aluminium and many more.
- Concentrated plasma stream: less heat input, less distortion.



TH 1025  
Recommended up to 25 mm mild steel (severance 30 mm)



TH 1538  
Recommended up to 40 mm mild steel (severance 45 mm)



Product	Item Number	Primary Voltage [50-60Hz]	Rated Output	Cutting Capacity [mm]	Flow Rate	Inlet Pressure	Output Range [A]	Weight [kg]	Dimensions HxWxD [mm]
Tomahawk® 1025	K12048-1	400V/3Ph	60A/40%	25	130l/min ±20%	6.0 bar	20-60	22	389 x 247 x 489
Tomahawk® 1538	K12039-1		100A/40% 60A/100%	40	280l/min ±20% @ 5.0bar	7.0 bar	20-100	36	455 x 301 x 618

# PLASMA ACCESSORIES



## TORCHES



Designation	Duty cycle 60%	Flow rate	Material thickness (mm)		Length (m)	Item Number
			Cut	Severance		
LC65	60A	130 l/min@5.0 bar	25	30	75 15	PTH-061A-CX-7M5A PTH-061A-CX-15A
LC65M	60A	130 l/min@5.0 bar	25	30	75 15	PTM-061A-CX-7M5A PTM-061A-CX-15A
LC105	100A	280 l/min@5.5 bar	40	45	75 15	PTH-101A-CX-7M5A PTH-101A-CX-15A
LC105M	100A	280 l/min @5.5 bar	40	45	75 15	PTM-101A-CX-7M5A PTM-101A-CX-15MA

LC65/105

LC65M/105M

Non contractual photo

## WEAR PART BOX FOR PLASMA TORCH



**PLASMA-BOX LC25**

W03X0893-118A



**PLASMA-BOX LC105**

W03X0893-115A



**PLASMA-BOX LC65**

W03X0893-113A



**PLASMA-BOX LC105M**

W03X0893-117A

## AIR FILTER LAF1250



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

W88X1456A  
W8800117R (filter cartridge)

## CUTTING CIRCLES

W0300699A



## BEVEL TOOL

W03X0893-119A





# PERSONAL PROTECTIVE EQUIPMENT

## AUTODARKENING HELMETS

CELL CLASSIFICATION  
CE EN 379

HELMETS CLASSIFICATION  
CE EN 175



**WELDLINE™**  
by Lincoln Electric  
www.weldline.eu

### EUROONE

All processes

- Variable shade DIN 3.5/9-13.
- Field of view 98 x 44 mm.
- Switching time clear-dark: **1/16000 sec.**
- Power supply: Solar cells, no battery change required.
- 2 independent optical sensors.



WARRANTY  
**1**  
YEAR

W000403823

### EUROSPEED LS

All processes - Special MMA and MIG/MAG

- Variable shade DIN 3.5/9-13.
- Field of view 98 x 44 mm.
- Switching time clear-dark: **1/25000 sec.**
- Power supply: solar cells + 2 alkaline batteries.
- 2 independent optical sensors.



WARRANTY  
**18**  
MONTH

W000403824



### CHAMELEON 4V+ LS

All processes - Special for TIG

- Variable shade DIN 3 to 8-13.
- Field of view 97 x 60 mm.
- Switching time clear-dark: **1/20000 sec.**
- Power supply: solar cells + 2 lithium batteries.
- 3 independent optical high sensitivity sensors.



WARRANTY  
**2**  
YEARS

W000403668



### EUROLUX LS

Top of the range solution for all your applications

- Variable shade DIN 3/8-13.
- 4 modes settings per digital key:
  - welding shade: DIN 3/8-13,
  - grinding,
  - cutting or low amperage welding variable shade 3/8-13,
  - X-mode: this mode allows welding in outdoor conditions or with very low arc current (lens turn when it's sense the welding current).
- Every welding process.
- Extra large viewing area 97 x 60 mm.
- Switching time clear to dark: 1/25000sec.



WARRANTY  
**2**  
YEARS

- 4 independent optical sensors for optimal detection including position welding.
- Power supply: solar cells + 2 alkaline batteries.

W000403672

### GOLDENARK LS

High range LCD helmet that offers the biggest viewing area in the industry



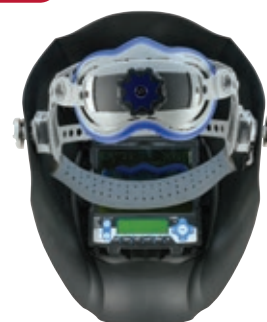
- Extra wide field of view (dimension: 112 x 78 mm).
- New comfortable headgear.
- Yellow cell with optical class 1/1/1/2.
- 4 optical sensors.
- InfoTrack system providing useful information (current time - total welding time - alarm - temperature) with multi language help menu.
- External grinding button.
- 4 modes settings per digital key:
  - welding shade: 3/8-13,
  - grinding,
  - cutting or low amperage welding variable shade 5 to 9,
  - X-mode: this mode allows welding in outdoor conditions or with very low arc current (lens turn on when it's sense the welding current).



WARRANTY  
**2**  
YEARS



CLASSIFICATION  
EN 175  
EN 379  
EN 166



W000403673

# PERSONAL PROTECTIVE EQUIPMENT

## AUTODARKENING HELMETS WITH AIR FLOW SYSTEM



### ZEPHYR LS / FLIP'AIR LS

- With the ZEPHYR/FLIP'AIR LS solution, you will find in a rugged carry bag:
  - The ZEPHYR LS or FLIP'AIR LS helmet,
  - The ZEPHYR LS air flow system,
  - Protected hose connection,
  - A shoulder strap,
  - A battery charger,
  - An air flow-meter,
  - One extra filter.
- 2 flow rates (low 160 l/min and high 200 l/min).
- Two alarms in case of flow insufficiency: a tone and a vibration.
- Lateral or vertical air flow.

FLIP'AIR LS



**CLASSIFICATION**  
 CE EN 175  
 CE EN 379  
 CE EN 12 941 TH2

HELMET WITH  
 POWERED AND  
 FILTERED AIRFLOW



ZEPHYR LS

**Complete package:**

- W000403674 - ZEPHYR LS
- W000403675 - FLIP'AIR LS



Discover our complete range of accessories and protective equipment at [www.weldline.eu](http://www.weldline.eu)

## POWERED AIR PURIFYING RESPIRATOR



### VIKING™ PAPR 3350

**Lightweight and comfortable**

The blower weight is 998 g while the entire system weighs in at 2.8 kg, most of which is in the belt pack and hose and away from the head and shoulders. The low-profile blower in the belt unit allows unrestricted movement.

**Lasts all day (and then some)**

Operators can work a full shift (or more) without interruption. The PAPR comes with a standard eight-hour battery that outpaces the battery life of competing systems. Audible and vibrating alarms signal when the battery is low.

**Two speeds, consistent delivery**

The PAPR system maintains a positive pressure at two speeds: 180 and 210 liters per minute. The system automatically adjusts fan speeds to keep airflow constant.



**What's Included**

- Blower Unit
- VIKING 3350 Black Helmet
- Head Cover
- Hose
- 2 Particulate Filters
- 736-1321mm Padded Belt
- Shoulder Strap
- 220V Battery Charger
- Duffle Bag
- Rechargeable Battery
- Pre-Filter
- Spark Guard
- Hose Cover
- Extra helmet cover lenses: inside 2 pcs, outside 5 pcs
- Instruction Manual



# PERSONAL PROTECTIVE EQUIPMENT

## AUTODARKENING HELMETS



### VIKING™ – 3350 Series

Defining A New Gold Standard in Welding Helmets

- Perfect 1/1/1 optical clarity rating (EN379).
- Continuously variable 5-13 shade with internal control.
- Continuously variable sensitivity and delay.
- Grind mode.
- 95 x 85 mm view size: Largest in the VIKING line.
- Large (133 x 114 mm) cartridge size.
- 4 arc sensors.
- Solar cells with a replaceable lithium battery.
- Magnifying "cheater" lens capability.
- New pivot style headgear.



K3034-3-CE VIKING™ HELMET 3350 BLACK  
K3100-3-CE VIKING™ HELMET 3350 MOTORHEAD™  
K3101-3-CE VIKING™ HELMET 3350 MOJO™



### VIKING™ – 2450 Series

The Ideal Choice for the Journeyman Fabricator

- Perfect 1/1/1 optical clarity rating (EN379).
- Continuously variable 5-13 shade with internal control.
- Continuously variable sensitivity and delay.
- Grind mode.
- 97 x 62 mm view size.
- Large (133 x 114 mm) cartridge size.
- 4 arc sensors.
- Solar cells with a replaceable lithium batteries.
- Magnifying "cheater" lens capability.
- New pivot style headgear.



K3028-3-CE VIKING™ HELMET 2450 BLACK  
K3035-3-CE VIKING™ HELMET 1840 STREET ROD™



### VIKING™ – 1840 Series

Superior Optical Clarity

- Perfect 1/1/1 optical clarity rating (EN379).
- Continuously variable 9-13 shade with external control.
- Continuously variable sensitivity and delay.
- Grind mode.
- 96 x 47 mm view size.
- Compact DINS 110 x 90 mm cartridge size.
- 2 arc sensors.
- Solar powered with replaceable lithium battery.
- Magnifying "cheater" lens capability.
- New pivot style headgear.



K3023-3-CE VIKING™ HELMET 1840 BLACK  
K3024-3-CE VIKING™ HELMET 1840 TRIBAL™



### VIKING™ – 1740 Series

Make it Your Own: A Great Welding Helmet at a Great Price

- 1/1/2 optical class (EN379).
- Continuously variable 9-13 shade with internal control.
- Continuously variable sensitivity and delay.
- Grind mode.
- 96 x 42.5 mm view size.
- Compact DINS 110 x 90 mm cartridge size.
- 2 arc sensors.
- Solar powered with 2 replaceable AAA alkaline batteries.
- Magnifying "cheater" lens capable.
- Extra cover lenses enclosed – (2) inside and (5) outside.
- Complementary decal sheet to decorate the helmet.



K3282-1-CE VIKING™ HELMET 1740 BLACK

# PERSONAL PROTECTIVE EQUIPMENT



## FASHION VISIT

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



EN 166

W000011062 - CLEAR

## FASHION WELDING

- Spectacles.
- Polycarbonate.
- Protection against high-speed particles – low energy.
- Protection against high-speed particles at extreme temperatures.
- Resistance to fogging of oculars.
- Resistance to surface damage by fine particles.
- Weight: 31 g.



EN 175

W000383505 - SHADE 5

## PILOT FLIP UP

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



EN 175

W000011046 - SHADE 5

## FOLDING HELMET

- Grain leather.
- Folding model, ideal for supervisors.
- Window 105 x 50 mm.



W000011115

## FLIP UP HELMET

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



W000010804

## PROTECTION FOR NECK

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



W000335139

## STOPCALOR

- Split leather and flame retardant treatment.

W000380511 SIZE 10



EN 12 477A

## STOPCALOR +

- Palm in natural grain leather for extra flexibility. Flame retardant treatment.

W000382261 SIZE 10



EN 12 477A

## TIG

- Lamb skin glove for high level of dexterity and flexibility.

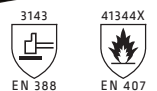
W000380519 SIZE 9  
W000380520 SIZE 10



## STOPCALOR ALU

- Palm in red split leather flame retardant treated, back in one single piece of Kevlar fabric with aluminised face.

W000010420 SIZE 10



# PERSONAL PROTECTIVE EQUIPMENT

Red Line™ welding apparel provides performance, comfort, style, and safety for any welder. The Fusion of Style and Safety™



## FR WELDING LAB COAT

- Flame retardant material coat for instructors, supervisors and occasional welders.
- Two hip and one chest pocket.
- Conforms to EN11611 standards.



Part Number -Size	Chest Measurement (cm)	Jacket Sleeve (cm)	Jacket Torso (cm)
K3112-M-CE	113	79	114
K3112-L-CE	123	81	114
K3112-XL-CE	133	84	114

## HEAVY DUTY WELDING JACKET

- Heavy duty side split cowhide chest and sleeves.
- Flame retardant cloth back.
- Spatter protection with flip up collar, front jacket closure by a series of snaps.
- Conforms to EN11611 standards.



Part Number -Size	Chest Measurement (cm)	Jacket Sleeve (cm)	Jacket Torso (cm)
K2987-M-CE	113	79	76
K2987-L-CE	123	81	81
K2987-XL-CE	133	84	86
K2987-2XL-CE	144	86	91
K2987-3XL-CE	154	89	96

## WELDING APRON

- Heavy split cowhide leather.
- Adjustable harness system for proper fit.
- One size fits all.
- Conforms to EN11611 standards.



K3110-ALL-CE

## WELDING SLEEVES

- Additional protection against spatter and heat.
- Sleeve length: 53 cm.
- Entirely made with cow leather.
- Elastic cuffs at each end.
- Conforms to EN11611 standards.



K3111-ALL-CE

## TIG WELDING GLOVES

- Supple goat skin leather.
- Straight thumb with welted seams and tough Kevlar® stitching.
- Conforms to EN12477 standards.



K2981-M-CE SIZE M  
K2981-L-CE SIZE L  
K2981-XL-CE SIZE XL

## TRADITIONAL MIG/MMA WELDING GLOVES

- Heat and flame resistant split cowhide.
- Sweat absorbent cotton lining.
- Kevlar® stitching & welted seams.
- One size fits all.
- Conforms to EN12477 standards.



K2979-ALL-CE

## FR DOO RAG

- 255 gr. flame retardant material.
- Athletic mesh lining for fast sweat evaporation.
- Machine washable.
- Conforms to EN11611 standards.



K2993-ALL-CE

## FR WELDING BEANIE

- Flame retardant material for head protection.
- One size fits all.
- Machine washable.
- Conforms to EN11611 standards.



K2994-ALL-CE



## MAGNETIC GROUND CLAMPS AND POSITIONERS

### MAGSWITCH

#### Magnetic ground clamps and positioners

The productivity in time savings with faster set ups, the convenience of no hassle use, and the 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.

Designation	Dimension [mm]			Weight [kg]	Welding Current [A]	Item Number
	H	W	D			
① Magnetic ground clamp 300	155	104	67	0.3	300 A	W000373781
Magnetic ground clamp 600	180	155	77	0.8	600 A	W000373782
② Mini Multi Angle	76	76	32	0.18	-	W000373783
Mini Multi Angle / 300A ground	95	89	44	0.36	300 A	W000373784
③ Multi Angle 400 Mag-Vise	221	193	81	1.13	-	W000373785
Multi Angle 1000 Mag-Vise	160	200	125	4.25	-	W000373786
④ Mag Square 150	169	96	53	0.3	-	W000373787
Mag Square 600	215	190	80	1.5	-	W000373788
⑤ Pivot Angle 200	250	180	65	1.72	-	W000373789
⑥ Hand Lifter 60 CE, Cordless electric	254	178	102	1.45	-	W000373791



## CLAMPS

### FOR NORMAL USE

#### HIPPO 200/400/600



- 200 A at 35% (HIPPO 200).
- 400 A at 35% (HIPPO 400).
- 600 A at 35% (HIPPO 600).
- Cable Ø: 25 mm<sup>2</sup> (HIPPO 200).
- Cable Ø: 70 mm<sup>2</sup> (HIPPO 400/600).
- Economical steel clamps.

W000010579 - HIPPO 200  
W000010580 - HIPPO 400  
W000010597 - HIPPO 600

#### CROCODILE 300/600



- 300 A at 35% (CROCODILE 300).
- 600 A at 35% (CROCODILE 600).
- Cable Ø: 50 mm<sup>2</sup> (CROCODILE 300).
- Cable Ø: 95 mm<sup>2</sup> (CROCODILE 600).
- Brass clamps.
- Brass jaws.
- Very good contact surface.

W000010577 - CROCODILE 300  
W000010578 - CROCODILE 600

### FOR BULKY PARTS

#### ROTARY 800

- 800 A at 35%.
- Cable Ø: 2 X 95 mm<sup>2</sup>.
- Allows the rotation of the cable around the piece.

W000010555



### FOR HEAVY DUTY USE

#### MUSCLOR 300A

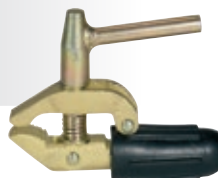
- Brass earth clamp.
- Powerful jaws.
- Excellent grip.



W000010583

#### DRAGON 600

- 600A at 35%.
- Cable Ø: 95 mm<sup>2</sup>



W000010582

# WELDING ACCESSORIES

## CUTTING AND GRINDING DISKS

### DUCTIFLEX PRO

Top quality cutting disks for professional

CLASSIFICATION

EN 12413  
EN 13743



Dimension	Shape	Use	Specification	Unit / box	Item Number
125 x 1 x 22 mm	flat	steel/stainless steel	61A 60 S7 BF	50	W000261931
125 x 1.6 x 22 mm	flat	steel/stainless steel	61A 60 S7 BF	50	W000335002
125 x 1 x 22 mm	flat	aluminium	AC 46 S7 BF	50	W000401338
230 x 2 x 22 mm	flat	steel	A 36 S7 BF	25	W000261935
230 x 2.5 x 22 mm	flat	steel	A 36 S7 BF	25	W000261937
230 x 3.2 x 22 mm	flat	steel	A 36 S7 BF	25	W000261940
125 x 3 x 22 mm	depressed	aluminium	AC 36 S7 BF	25	W000401348
125 x 3.2 x 22 mm	depressed	steel	A 36 S7 BF	25	W000335006
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

NEW

NEW



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

### DUCTIFLEX PRO

A grinding range for standard structural steel

Dimension	Shape	Use	Specification	Unit / box	Item Number
125 x 6 x 22 mm	depressed	standard steel	A 30 S7 BF	10	W000261946
230 x 6 x 22 mm	depressed	standard steel	A 30 S7 BF	10	W000261948



### DUCTIFLAP

Abrasive flap disks

Dimension	Grit	Unit / box	Shape	
			15% conical for fiberglass backing	Flat for nylon backing
125 x 22 mm	40	10	W000264535	W000273754
125 x 22 mm	60	10	W000264534	W000273756
125 x 22 mm	80	10	W000335008	W000273755



### SECONDARY CABLES

Reinforced safety: resistant to incandescent particles.

This rubber cable is isolated by neopren and in conformity with the welding standard.



2000-174

- Very high flexibility and good behavior against deformation.

HD 516 S2/A1

Ø	A max	Coil (50 m)	Linear meter
16 mm <sup>2</sup>	150 A	W000260274	W000260272
25 mm <sup>2</sup>	213 A	W000260275	W000260273
35 mm <sup>2</sup>	279 A	W000260276	W000260271
50 mm <sup>2</sup>	371 A	W000260277	W000260270
70 mm <sup>2</sup>	482 A	W000260278	W000260269
95 mm <sup>2</sup>	606 A	W000260279	W000260268

### CONNECTORS

CLASSIFICATION

EN 60974-12



Description	Ø connector	Ø mm <sup>2</sup>	A maxi	Item Number Linear meter
male	9 mm	10 – 25 mm <sup>2</sup>	250 A	W000010559
		35 – 50 mm <sup>2</sup>	400 A	W000010560
	13 mm	35 – 95 mm <sup>2</sup>	600 A	W000010092
		70 – 95 mm <sup>2</sup>	600 A	W000010561
female	9 mm	10 – 25 mm <sup>2</sup>	250 A	W000010562
		35 – 50 mm <sup>2</sup>	400 A	W000010563
	13 mm	35 – 95 mm <sup>2</sup>	600 A	W000010093
		70 – 95 mm <sup>2</sup>	600 A	W000010564

# WELDING ACCESSORIES



## COOLING LIQUID FOR TORCHES



9.6 liters

### FREEZCOOL (RED) T° -27°C

For manual equipment

- High electrical resistivity.
- Ensures an anti-freezing protection down to -27°C.
- Anti-corrosion and anti-algae growth.

W000010167

### FREEZCOOL (GREEN) T° -5°C

For automation

- Less viscous.
- Ensures an anti-freezing protection down to -5°C.
- Less sensible to friction and therefore it has better flow rate.

W000381407

## STAINLESS STEEL TREATMENT

- ① DEGREASING    ② PICKLING    ③ PASSIVATION

### ① CLEANOX

Degreasing- Liquid

- Degreasing is the essential process before any thermal treatment.
- It avoids incidental 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.

W000266423 - CLEANOX 6KG  
W000266425 - CLEANOX 30KG



Liquid 6kg



Liquid 30kg



### ② PICKLINOX G

Pickling of stainless steels after welding

- 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.

W000266426 - GEL 2 KG  
W000266428 - PASTE 2 KG  
W000266422 - LIQUID 30 KG



Gel 2 kg

### ③ RESTORINOX G

The final operation that gives steel its stainless characteristics back

- 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.

W000266430 - GEL 2 KG



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## MOBILE SCREENS

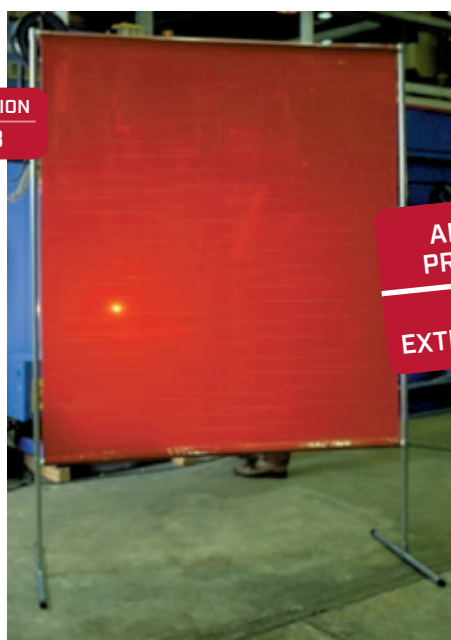


### PREMIUM

Robust and portable screen. The curtain is tight and stable when in position.

- Galvanized pipes frame (diam. 25 x 1 mm).
- Screen 1 700 mm x 1 700 mm.

Designation	Complete screen
Orange CE	W000371474



0823-18

CLASSIFICATION  
EN 1598

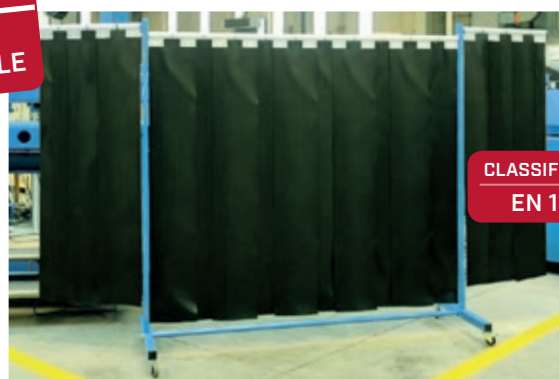
ANTI IR/UV  
PROTECTION  
SELF  
EXTINGUISHABLE

### UNIVERSAL

The UNIVERSAL screen with strips is a very stable screen, offered with castors.

- Screen frame in square tube 50 x 32 x 2 mm and round tubes 35 x 2.5 mm.
- With it's large diameter castors (Ø 75 mm) and it's rugged frame it will be a long lasting investment.

Designation	Frame height 2 100 mm Screen width L 4 300 mm = 1100 + 2100 + 1100 mm 1 frame on castors + 2 rotating extensions L 110 m + 1 accessories kit + 5 kits of 4 strips Height 1 800 mm
Orange CE	W000010292
Green T9	W000010291



CLASSIFICATION  
EN 1598

0823-23

### OPTILAM (straps)

The OPTILAM screen is a special screen with 300 mm x 2 mm strips across the frame. Its frame has a special design to enable easy portability whilst giving a very good stability when in position. The design of the feet allows the screens to be placed at 90° of each other.

- Width 1 860 mm, height 1 930 mm.
- Painted frame.
- Equipped with 7 strips of 1 750 mm height in accordance with EN 1598 standard.

Designation	Complete screen
Orange CE	W000010472

CLASSIFICATION  
EN 1598



0823-19

### VULCAIN BLANKET

Curtains and heat resistant fabrics. Glass fiber 2 sided polyurethane.

- Temperature - Peak: 600°C / Continuous: 550°C.
- Horizontal and vertical light welding, cutting and grinding applications.
- Thickness: 0.7 mm.
- Weight: 710 g/m<sup>2</sup>.

Dimensions H x L	Item Number
2 000 x 1 000 mm	W000010319
2 000 x 2 000 mm	W000010320

MO CERTIFIED

Fire proof



2009-266\_ret

Discover our complete range of accessories and protective equipment at [www.weldline.eu](http://www.weldline.eu)

# FUME EXTRACTION

## WST2 FUME EXTRACTION TORCHES

### WST2

Our new WST2 torches are above all a range of welding torches that efficiently extract welding fumes. Extraction is obtained at a high extraction rate with low load loss due to the advanced air flow design of the torches. The WST2 torches offer same welding accessibility than traditional torches (at same welding characteristics).

Conform to the standard EN 60974-7 and to the INRS of 01/07/2015 rules



Air Cooling

Water Cooling

	WST2 - 2R	WST2 - 3R	WST2 - 4R	WST2 - 3W	WST2 - 4W	WST2 - 5W	
Contact tube	M6	M8 x 30	M8 x 30	M8 x 30	M8 x 30	M8 x 30	
Ø nozzle	12 mm	15 mm	15 mm	15 mm	15 mm	19 mm	
Welding intensity @ 100% duty cycle	CO <sub>2</sub>	250 A	300 A	400 A	300 A	360 A	450 A
	Ar / CO <sub>2</sub>	225 A	270 A	320 A	260 A	320 A	410 A
Weight [g] according standard	1180	1365	1465	1570	1565	1565	

#### Minimal efficiency performances

For speed 0.25 m/s	Flowrate (m <sup>3</sup> /h)	73	94	94	94	90	94
	Suction (Pa)	8 400	10 600	10 600	12 500	11 000	12 500
For speed 0.3 m/s	Flowrate (m <sup>3</sup> /h)	87	113	113	113	108	113
	Suction (Pa)	13 100	16 300	16 300	16 500	16 300	16 500



- Wear parts compatible with the most common standard in Europe.

- Light and easy to carry
- Air flow rate managed by DUALFLOW system.



#### Air Cooling

Designation	Item Number
WST2 - 2R 250 A @ 100%	3M W000381887
	4M W000381888
	5M W000381889
WST2 - 3R 300 A @ 100%	3M W000381890
	4M W000381891
	5M W000381897
WST2 - 4R 400 A @ 100%	3M W000381898
	4M W000381899
	5M W000381900

#### Water Cooling

Designation	Item Number
WST2 - 3W 300 A @ 100%	3M W000381901
	4M W000381902
	5M W000381903
WST2 - 4W 360 A @ 100%	3M W000381904
	4M W000381905
	5M W000381906
WST2 5W * 450 A @ 100%	3M W000381907
	4M W000381908
	5M W000381909
WST2 5W LN * 450 A @ 100% (Extended nozzle)	3M Contact us
	4M Contact us
	5M Contact us

LN: Long Nozzle – Torch with extended nozzle: +5 cm at the horizontal part of the torch. Ideal for easier access to difficult joints and for very high duty cycle welding (the welder's hand is not close of the welding bead).

#### Option

Transformation kit of a standard torch to a DUALFLOW version	W000385157
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**DUALFLOW** is a device allowing the modulation of the fumes extraction flowrate by the welder. By a simple pulse on a microswitch on the handle of the torch, and during welding the welder can decide to change the suction power. This reduced flowrate will apply for welding zone in confined area providing in all situations high quality welds and preserving the welder from the fumes. DUALFLOW is patented by Oerlikon.

#### Air Cooling

Designation	Item Number
WST2 - 2R 250 A @ 100%	3M W000384970
	4M W000384971
	5M W000384972
WST2 - 3R 300 A @ 100%	3M W000384973
	4M W000384974
	5M W000384975
WST2 - 4R 400 A @ 100%	3M W000384976
	4M W000384986
	5M W000384987

#### Water Cooling

Designation	Item Number
WST2 - 3W 300 A @ 100%	3M W000384977
	4M W000384978
	5M W000384979
WST2 - 4W 360 A @ 100%	3M W000384980
	4M W000384981
	5M W000384982
WST2 - 5W * 450 A @ 100%	3M W000384983
	4M W000384984
	5M W000384985

# FUME EXTRACTION

## COLLECTION UNITS FOR USE WITH FUME EXTRACTION TORCHES

### ESSENTIAL TE35

- Flow from 80 to 135 m<sup>3</sup>/h depending on the torch.
- Metal pre-filter.
- Arc detection sensor for an automatic commissioning and a 5 m supply cable.
- Mounting of this unit is done vertically or horizontally.
- Maximum flow 310 m<sup>3</sup>/h.
- Maximum vacuum 30 000 Pa.
- Motor 3Ph - 3 kW.
- Weight 51 kg.

*This unit outlet should be connected outside the room or to a centralised network through the Ø 80 mm.*



W000278334 ESSENTIAL TE 35 STANDARD  
W000379431 ESSENTIAL TE 35 DUALFLOW

### MODULO MD 2

- Usable with 1 or 2 torches WST2.
- Metal pre-filter.
- Arc detection sensor for an automatic commissioning and a 5 m supply cable.
- Mobil turbine with 2 wheels.
- Complement option:
  - Filtration cartridge with 5 m<sup>2</sup> filtration surface,
  - Filter and pressure regulator.
- Cleaning by compress air, manually activated.
- Maximum flow 310 m<sup>3</sup>/h.
- Maximum vacuum 30 000 Pa.
- Motor 3Ph - 3 kW.
- Weight 65 kg.

*This unit outlet should be connected outside the room or to a centralised network through the Ø 80 mm.*



W000401385 MODULO MD 2 STANDARD  
W000401389 MODULO MD 2 DUALFLOW

### DUALFLOW turbines

Associated to fume extraction torches microswitch WST2, the DUALFLOW fume extraction turbines allow to obtain a nominal fume extraction flow during the entire welding time, and, by an information transmitted by the torch, give a lower fume extraction flow for welding in a confined space.

#### 2 functioning modes:

- 2T mode: lower fume extraction flow as the microswitch is triggered.
- 4T mode: an impulsion on the microswitch lowers the fume extraction flow, a new impulsion gives the maximum flow back.

## FUME EXTRACTION

### MOBILFILTER 1600M

- Collection flow on the arm: 1 600 m<sup>3</sup>/h.
- Mechanical cassette filter.
- Filtration surface 35 m<sup>2</sup> Ei >99.9%.
- EN 60335-2-69 CLASS M.
- Motor 1.5 kW.
- Rear vertical outlet.
- Automatic start/stop with arc detection by magnetic sensor included.

*It gets, as a complement, an external release set for a Ø 160 mm hose.*



Designation	Item Number
MOBILFILTER 1600M 400 V - 3 Ph - 50 Hz	W000377937
MOBILFILTER 1600M 230 V - 1 Ph - 50 Hz	W000377938
Fume extraction arm to choose	
ECOFLEX arm 3 m	W000341029
ECOFLEX arm 4 m	W000341031
Option	
Exterior reject kit Ø 160 mm	W000380765

### MOBILFILTER 50M

- Collection flow on the arm: 1 600 m<sup>3</sup>/h.
- Fan flow: 2 400 m<sup>3</sup>/h.
- Filtration is provided by a 50 m<sup>2</sup> surface cellulose cartridge.
- A choking indicator signals when the cartridge must be replaced.
- PICKFUME and EASY PICKFUME arms.
- Air flow at the nozzle: 1 200 m<sup>3</sup>/h.



Designation	Item Number
MOBILFILTER 50M - 230 V - 1 Ph - 50 Hz	W000371997
MOBILFILTER 50M - 230 V - 3 Ph - 50 Hz	W000371998
MOBILFILTER 50M - 400 V - 3 Ph - 50 Hz	W000371999
Fume extraction arm to choose	
PICKFUME arm 3 m	W000372010
PICKFUME arm 4 m	W000371987

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