

PRODUCT CATALOGUE

Welding & Cutting  
**EQUIPMENT**

2021

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**LINCOLN**  
**ELECTRIC**

# SPEEDTEC<sup>®</sup> PULSE RANGE

ULTIMATE PERFORMANCE

**EXCELLENT  
PRODUCTIVITY**



**RUGGED  
RELIABILITY**



**SUPERIOR  
ERGONOMICS**































## NEXT GENERATION



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# PICTOGRAM MEANING

	Single phase input power		For constant current stick and TIG processes		15-110 Volt DC Wire feeder input power		Plastic spool S300		Engine Driven: Diesel
	Three phase input power		For constant voltage MIG, flux-cored and subarc processes		40 Volt DC Wire feeder input power		Plastic spool S200		Engine Driven: Gasoline
	Single or three phase input power		For multi-process constant current or constant voltage applications		115 Volt input		Synergic setting		Motor generator compatible
	Direct current welding output		24-42 Volt AC Wire feeder input power		230 Volt input		Power factor control		Internal Compressor
	Alternating or direct current welding output		34-44 Volt AC Wire feeder input power		CrossLinc® Technology		2-Roll Wire Feeder		
	50/60 Hz input power		42 Volt AC Wire feeder input power		STT process capability		4-Roll Wire Feeder		



MIG CONVENTIONAL

## MIG CONVENTIONAL

PRODUCT	REFERENCE	INPUT		OUTPUT			PROCESS		FEATURES						
		Phase (50-60 Hz)	Voltage (V)	Rated Output	Current Range (A)	Number of voltage steps	Mode / Polarity	MIG	Flux-Cored	Max wire spool size (mm)	Wire Drive System	WFS (m/min)	Synergic	V/A meters	Warranty (years)
<b>MIG Compact</b>															
Handy MIG	K14000-1	1	230	70A/20%	45-80	2	CVDC	•	•	200	2R	1-20	-	-	3
Powertec® 161C	K14040-2	1	230	150A/20%	30-150	7	CVDC	•	•	300	2R	1-17	-	-	3
Powertec® 191C	K14045-1	1	230	180A/20%	30-180	8	CVDC	•	•	300	2R	1-20	-	KIT	3
Powertec® 231C	K14046-1	1	230	220A/20%	30-220	12	CVDC	•	•	300	2R	1-20	-	KIT	3
Powertec® 271C	K14047-1	1	230	255A/20%	30-255	12	CVDC	•	•	300	2R	1-20	-	KIT	3
Powertec® 255C	K14055-2	3	230/400	250A/35%	25-250	20	CVDC	•	•	300	2R	1-20	-	KIT	3
Powertec® 305C	K14056-2	3	230/400	300A/35%	30-300	30	CVDC	•	•	300	2R	1-20	-	KIT	3
	4R														
Powertec® 305C PRO	K14057-1	3	230/400	280A/40%	30-280	30	CVDC	•	•	300	4R	1-20	•	•	3
Powertec® 355C PRO	K14058-1	3	230/400	350A/40%	30-350	30	CVDC	•	•	300	4R	1-20	•	•	3
Powertec® 425C PRO	K14059-1A	3	230/400	420A/40%	30-420	30	CVDC	•	•	300	4R	1-20	•	•	3
<b>MIG Separate</b>															
Powertec® 305S	K14060-1	3	230/400	300A/35%	30-300	20	CVDC	•	•	-	-	-	•	-	3
Powertec® 365S	K14061-1A	3	230/400	350A/40%	30-350	30	CVDC	•	•	-	-	-	•	-	3
	K14061-2A		220/380/440												
Powertec® 425S	K14062-1A	3	230/400	420A/40%	30-420	30	CVDC	•	•	-	-	-	•	-	3
	K14062-2A		220/380/440												
Powertec® 505S	K14063-1A	3	230/400	500A/40%	30-500	30	CVDC	•	•	-	-	-	•	-	3
	K14063-2A		220/380/440												
CV425	K14080-1A	3	230/400	420A/60%	10-420	-	CVDC	•	•	-	-	-	-	KIT	3
	K14080-2A		220/380/440												
CV510	K14081-1A	3	230/400	500A/60%	10-500	-	CVDC	•	•	-	-	-	-	KIT	3
	K14081-2A		220/380/440												

• - only with LF-24M PRO

## HANDY MIG

Superbly simple, powerfully portable.

- Compact, portable, lightweight and easy to use.
- Continuous wire feed speed adjustment and four selectable voltage settings for precise control.
- Suitable for the welding of most thin sheet steel applications.
- Connects to 230V, 16 amps outlets.
- Perfect for routine, small maintenance projects.

### UNIT INCLUDES

- Input cable (2.5 m) with 16 A plug
- Fixed MIG gun (2.5 m)
- Fixed return welding cable (2.5 m)
- Drive roll 0.6-0.9
- 0.45 kg Innershield 0.9 mm
- Kit of welding accessories
- 0.5 kg solid wire 0.6 mm



### Processes

MIG, Flux-cored (Innershield)

### Applications

- Small maintenance and repairs
- Garage works

### Input



### Output



Product	Reference	Primary Voltage [50-60 Hz]	Fuse Size [A] [slow]	Rated Output	Wire Drive System	Weight [kg]	Dimensions H x W x D [mm]	Protection Class
Handy MIG	K14000-1	230V/1Ph	16	70A/175V@20%	2R	18	345 x 220 x 455	IP21

## POWERTEC® 161C, 191C, 231C, 271C

Professionals' Choice.

- Superior arc behaviour with premium starting performance and arc stability.
- Professional wire feeding system.
- Equipped with Euro connector and ground cable assembly.
- Excellent control with burnback setup, spot welding function, 2/4 stroke feature (except PT161C) and additional voltage settings.
- Easy to change polarity.
- Optional volt and ammeter (except PT161C).

### UNIT INCLUDES

- Input cable (3 m), no plug
- Ground cable (3 m)
- Drive roll for solid wire 0.8 / 1.0



### Processes

MIG, Flux-cored

### Applications

- Small workshop
- Light and medium construction
- Car body repair
- Farm

### Input



### Output



Product	Reference	Primary Voltage [50-60 Hz]	Fuse Size [A] [slow]	Rated Output	Wire Drive System	Weight [kg]	Dimensions H x W x D [mm]	Protection Class
Powertec® 161C	K14040-2	230V/1Ph	16	150A/21.5V/20%	2R	53	615 x 390 x 825	IP23
Powertec® 191C	K14045-1		20	180A/23.0V/20%		70		
Powertec® 231C	K14046-1		25	220A/25.0V/20%		80	765 x 427 x 850	
Powertec® 271C	K14047-1		32	255A/26.8V/20%		83		

## POWERTEC® 255C, 305C

Powerful, compact, economical.

- Excellent starting performance (stable and dynamic).
- Voltage selectors with multiple settings 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.
- Products developed with a focus on applications.

### UNIT INCLUDES

- Undercarriage
- Input cable (5 m), no plug
- Work clamp and cable assembly (3 m)
- Gas hose (2 m)
- Drive roll for solid wire 0.8 / 1.0



### Processes

MIG, Flux-cored

### Applications

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

### Input



### Output



S300



Product	Reference	Primary Voltage [50-60 Hz]	Fuse Size [A] [slow]	Rated Output	Wire Drive System	Weight [kg]	Dimensions H x W x D [mm]	Protection Class
Powertec® 255C	K14055-2	230/400V /3Ph	25/16	250A/26.5V/35%	2R	94	811 x 467 x 930	IP23
Powertec® 305C	K14056-2		32/20	300A/29V/35%, 225A/25.2V/60%		95		
		K14056-4						

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

Premium arc, synergic style.

- Superb arc behaviour with argon mix and 100% CO<sub>2</sub>.
- Synergic settings for easier control.
- Voltage selectors with multiple settings for precise adjustment.
- Excellent drive system (four rolls) with large diameter drive roll and powerful motor.
- Bright, digital volt and ammeter.
- Large diameter wheels, push/pull bar and lifting eyes for full manoeuvrability.

### UNIT INCLUDES

- Undercarriage
- Input cable (5 m), no plug
- Work clamp and cable assembly (3 m)
- Gas hose (2 m)
- Drive roll for solid wire 1.0 / 1.2



### Processes

MIG, Flux-cored

### Applications

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

### Input



### Output



S300



Product	Reference	Primary Voltage [50-60 Hz]	Fuse Size [A] [slow]	Rated Output	Synergic	Wire Drive System	Weight [kg]	Dimensions H x W x D [mm]	Protection Class
Powertec® 305C PRO	K14057-1	230/400V /3Ph	32/20	280A/28V/40%, 230A/25.5V/60%	•	4R	145	890 x 565 x 1040	IP23
Powertec® 355C PRO	K14058-1		40/25	350A/31.5V/40%, 285A/28.2V/60%			147		
Powertec® 425C PRO	K14059-1A		50/32	420A/35V/40%, 345A/31.3V/60%			162	890 x 696 x 1040	



## POWERTEC® 305S, 365S, 425S, 505S

### Powerful potential.

- Superb arc behaviour with argon mix and 100% CO<sub>2</sub>.
- Voltage selectors with multiple settings for precise adjustment.
- Two choke tabs to support superb Arc behaviour.
- Synergic settings for easier control with LF24M Pro.
- Bright, digital volt and ammeter with LF24M and LF24M Pro.
- Large diameter wheels, push/pull bar and lifting eyes.
- Simple water cooling conversion with Cool Arc® 25 (except PT 305S).
- Fan as needed (F.A.N.™).

### UNIT INCLUDES

- Undercarriage
- Input cable (5 m), no plug
- Work clamp and cable assembly (3 m)

### Processes

MIG, Flux-cored

### Applications

- Heavy Fabrication
- Structural
- General Fabrication
- Shipbuilding

### Input



### Output



\* with LF-24M PRO



Product	Reference	Primary Voltage [50-60 Hz]	Fuse Size [A] [slow]	Rated Output	Synergic	Weight (kg)	Dimensions H x W x D (mm)	Protection Class
Powertec® 305S	K14060-1	230/400V/3Ph	32/20	300A/29V@35%, 230A/25.5V@60%	•	94	770 x 467 x 930	IP23
Powertec® 365S	K14061-1A		220/380/440/3Ph	40/25		350A/31.5V@40%, 285A/28.2V@60%		
	K14061-2A	40/25/25		420A/35V@40%, 345A/31.5V@60%		151		
Powertec® 425S	K14062-1A	230/400V/3Ph	50/32	420A/35V@40%, 345A/31.5V@60%		157		
	K14062-2A	220/380/440/3Ph	50/32/32	500A/39V@40%, 400A/34.5V@60%				
Powertec® 505S	K14063-1A	230/400V/3Ph	63/40	500A/39V@40%, 400A/34.5V@60%	157			
	K14063-2A	220/380/440/3Ph	63/40/40					

• – only with LF-24M PRO

### COMPATIBLE FEEDERS \*

Product	Reference	Powertec® 305S	Powertec® 365S	Powertec® 425S	Powertec® 505S
Linc Feed 22M	K14064-1	•	•	•	•
Linc Feed 24M	K14065-1W	•	•	•	•
Linc Feed 24M Pro	K14066-1W	•	•	•	•

\* see chapter "Semi automatic WIRE FEEDERS" for details

## CV-425 & CV-510

### High Output. Reliable Workhorses!

- Superb arc behaviour with argon mix and 100% CO<sub>2</sub>.
- Different feeders for construction and shipyards, all with meters, with or without synergy or memory; just select the one of your choice.
- All controls on feeder close to the welder.
- Equipped with large diameter wheels, push/pull bar and lifting eyes for full manoeuvrability.
- Potted and encapsulated printed circuit board controls in separate, dust-free compartments.

#### UNIT INCLUDES

- Undercarriage
- Input cable (5 m)
- Work clamp and cable assembly (3 m)

#### Processes

MIG, Flux-cored

#### Applications

- Heavy Fabrication
- Structural
- General Fabrication
- Shipbuilding

#### Input



#### Output



Product	Reference	Primary Voltage (50-60 Hz)	Fuse Size (A) (slow)	Rated Output	Weight (kg)	Dimensions H x W x D (mm)	Protection Class
CV-425	K14080-1A	230/400V/3Ph	63/32	420A/35V/60%, 325A/30.3V/100%	152	880 x 696 x 1020	IP23
	K14080-2A	220/380/440/3Ph	63/32/32				
CV-510	K14081-1A	230/400V/3Ph	63/40	500A/39V/60%, 385A/33.3V/100%	160	880 x 696 x 1020	IP23
	K14081-2A	220/380/440/3Ph	63/40/40				

#### COMPATIBLE FEEDERS \*

Product	Reference	CV425	CV510
Linc Feed 33	K14030-1W	•	•
Linc Feed 33S	K14051-1	•	•
LN-25 Pro	K2613-5	•	•
LN-25 Pro Dual	K2614-8	•	•

\* see chapter "Semi automatic WIRE FEEDERS" for details

Description	Handy MIG	Powertec® 161C	Powertec® 191C	Powertec® 231C	Powertec® 271C	Powertec® 255C	Powertec® 305C	Powertec® 305C PRO	Powertec® 355C PRO	Powertec® 425C PRO	LF-22M	LF-24M	LF-24M PRO	LF-33	LF-33S
MIG gun (2.5 m)	•														
LGS2 150 G		•	•												
LGS2 250 G		•	•	•	•										
LGS2 240 G		•	•	•	•	•									
LGS2 360 G		•	•	•	•	•	•	•	•		•				
LGS2 505 W										•		•	•	•	•

LGS2 150G



LGS2 360G



LGS2 505W



	Reference				
	LGS2-150G	LGS2-250G	LGS2-240G	LGS2-360G	LGS2-505W
3 m	W10429-15-3M	W10429-25-3M	W10429-24-3M	W10429-36-3M	W10429-505-3M
4 m	W10429-15-4M	W10429-25-4M	W10429-24-4M	W10429-36-4M	W10429-505-4M
5 m	W10429-15-5M	W10429-25-5M	W10429-24-5M	W10429-36-5M	W10429-505-5M

**Choose your gun**

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

- air cooled
- water cooled

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

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Product	Reference	Powertec® 161C	Powertec® 191C	Powertec® 231C	Powertec® 271C	Powertec® 255C	Powertec® 305C	Powertec® 305C PRO	Powertec® 355C PRO	Powertec® 425C PRO	Powertec® 305S	Powertec® 365S	Powertec® 425S	Powertec® 505S	CV425	CV510	LF-22M	LF-24M	LF-24M PRO	LF-33	LF-33S	
Water cooler COOL ARC® 25	K14037-1									•		•	•	•	•	•						
Freezcool 9.6l	W000010167									•		•	•	•	•	•						
Interconnection cables AIR	K10347-PG-xM *										•	•	•	•	•	•	•	•	•	•	•	•
Interconnection cables WATER	K10347-PGW-xM *											•	•	•	•	•		•	•	•	•	•
Drive roll kit (2R)	KP14016-x *	•	•	•	•	•	•										•					
Drive roll kit (4R)	KP14017-x *						•	•	•	•								•	•	•	•	•
DR system kit (grill)	K14071-2										•	•	•	•								
Adapter for wire spool 300 mm	K10158	•	•	•	•	•	•	•	•	•							•	•	•	•	•	•
Adapter for wire spool 300 mm	K10158-1	•	•	•	•	•	•	•	•	•							•	•	•	•	•	•
HD wheels kit	K14032-1																•	•	•	•	•	•
A/V Meter kit	K14044-1		•	•	•																	
	K14049-1					•	•															
	K14082-1														•	•						
	K14073-1																•					
CO <sub>2</sub> supply socket heater connection kit	K14009-1					•	•	•	•	•	•	•	•	•	•	•						
Polarity change kit	K14077-1					•	•															
Lincoln Analogue-Digital Interface	K14152-1													•	•							

\* see chapter "Options" for details





**MIG & MULTI PROCESS  
INVERTER WELDERS**

## MIG & MULTI PROCESS INVERTER WELDERS

PRODUCT	REFERENCE	INPUT		OUTPUT		PROCESS										FEATURES						
		Phase (50-60 Hz)	Voltage (V)	Rated Output	Current Range (A)	Mode	Polarity	GMAW	PULSE	FCAW-G	FCAW-S	SMAW	CAG (Gouging)	DC TIG Lift	Submerged Arc	Wire Drive System	Max wire spool size (mm)	Synergic	V/A meters	CrossLinc	ArcLink® Digital Communication	Warranty (years)
<b>MIG Inverter Welders</b>																						
Powertec® i250C Standard	K14284-1	3	400	250A/60%	10-250	CC/CV	DC	•	•	•	•					4R 300		•			3	
Powertec® i320C Standard	K14286-1	3	400	320A/40%	10-320	CC/CV	DC	•	•	•	•					4R 300		•			3	
Powertec® i250C Advanced	K14285-1	3	400	250A/60%	10-250	CC/CV	DC	•	•	•	•					4R 300	•	•			3	
Powertec® i320C Advanced	K14287-1	3	400	320A/40%	10-320	CC/CV	DC	•	•	•	•					4R 300	•	•			3	
Powertec® i380C Advanced	K14288-1	3	400	380A/40%	10-380	CC/CV	DC	•	•	•	•					4R 300	•	•			3	
Powertec® i450C Advanced	K14289-1	3	400	450A/80%	10-450	CC/CV	DC	•	•	•	•	•				4R 300	•	•			3	
Powertec® i350S	K14183-1	3	400	350A/50%	20-350	CC/CV	DC	•	•	•	•	•									3	
Powertec® i420S	K14184-1	3	400	420A/100%	20-420	CC/CV	DC	•	•	•	•	•									3	
Powertec® i500S	K14185-1	3	400	500A/60%	20-500	CC/CV	DC	•	•	•	•	•									3	
<b>Multi Process Inverter Welders</b>																						
Weld Pak™ 2000	K14134-1	1	230	180A/20%	20-180	CC/CV	DC	•	•	•	•					2R 300					2	
Speedtec® 180C	K14098-1	1	230	200A/25%	20-200	CC/CV	DC	•	•	•	•	•				2R 200					2	
Speedtec® 200C	K14099-1	1	115/230	200A/25%	20-200	CC/CV	DC	•	•	•	•	•				2R 200	•	•			2	
Speedtec® 215C	K14146-1	1	115/230	200A/25%	20-200	CC/CV	DC	•	•	•	•	•				2R 300	•	•			3	
Speedtec® 320CP	K14168-1	3	400	320A/40%	15-320	CC/CV	DC	•	•	•	•	•				4R 300	•	•			3	
Speedtec® 320CP Push-Pull	K14168-2	3	400	320A/40%	15-320	CC/CV	DC	•	•	•	•	•				4R 300	•	•			3	
Speedtec® 400SP	K14258-1	3	400	420A/100%	20-420	CC/CV	DC	•	•	•	•	•	•								5*	
Speedtec® 500SP	K14259-1	3	400	500A/60%	20-500	CC/CV	DC	•	•	•	•	•	•								5*	
Flextec® 350X Construction	K4283-1	3	380/460 /575	350A/60%	5-425	CC/CV	DC	•	•	•	•	•	•								3	
Flextec® 350X Standard	K4284-1	3	380/460 /575	350A/60%	5-425	CC/CV	DC	•	•	•	•	•	•								3	
Flextec® 500X	K3607-2	3	380/460 /575	500A/60%	5-500	CC/CV	DC	•	•	•	•	•	•								3	
Flextec® 650X	K3533-1	3	380/460 /575	750A/60%	10-815	CC/CV	DC	•	•	•	•	•	•	•							3	

\* Applies to the Speedtec power sources, 3 Years Standard Warranty + 2 Years after registration:  
[www.lincolnelectric.com/LEExtranet/ProductRegistration/PRExtWarMain.aspx](http://www.lincolnelectric.com/LEExtranet/ProductRegistration/PRExtWarMain.aspx)

## ADVANCED PROCESS WELDERS

PRODUCT	REFERENCE	INPUT		OUTPUT		PROCESS										FEATURES											
		Phases	Voltage (V)	Rated output	Current range (A)	Mode	Polarity	GMAW	PULSE	FCAW-G	FCAW-S	SMAW	Gouging	TIG HF	Low Fume Pulse™	STT® MIG	AC/DC TIG	AC MIG	HyperFill®	Wire Drive System	Max wire spool size (mm)	Synergic	V/A meters	Waveform Control Technology®	ArcLink® Digital Communication	Warranty	
<b>Advanced Process Welders</b>																											
Power Wave® 300C	K4490-1	3	208-575	350A/40%	5-300	CC/CV	AC/DC	•	•	•	•	•	•	•	•	•	•	•	•	•	•	300	•	•	•	•	5
Power Wave® S350	K2823-2	3	208-575	350A/40%	5-350	CC/CV	DC	•	•	•	•	•	•			•								•	•	•	5
Power Wave® S500	K3168-1	3	208-575	500A/60%	5-550	CC/CV	DC	•	•	•	•	•	•			•								•	•	•	5
Power Wave® R450	K3455-1	3	208-575	500A/60%	5-550	CC/CV	DC	•	•	•	•	•	•			•								•	•	•	5
Power Wave® S700	K3279-1	3	380-575	900A/60%	20-900	CC/CV	DC	•	•	•	•	•	•			•								•	•	•	5
Power Wave® Advanced Module	K3685-1	-	-	350A/40%	5-350	CC/CV	AC/DC						•	•	•	•	•						-	-	•	•	5
Power Wave® STT® Module	K2921-1	-	-	500A/60%	5-500	STT	DC							•	•								-	-	•	•	5
Pipefab CE	K3732-1	3	208-575	400A/100%	5-400	CC/CV	AC/DC	•	•	•	•	•	•	•	•	•	•	•	•	•	•			•	•	•	5

## POWERTEC® i250C & i320C STANDARD

### MIG welder ready for tomorrow.

- Premium arc performance with repeatable arc ignition, excellent arc stability and rapid parameter adjustment.
- MIG/MAG and STICK process.
- Innovative, intuitive interface: simple navigation, easy settings and process selection.
- Perfect feedability: optimised wire positioning, four driven rolls and inspection window.
- Designed with welders for welders: perfect handling, innovative and easy communication.
- Ready for the heaviest industrial conditions: developed and tested under the hardest conditions (TRUE HD) to guarantee the reliability you need.

#### UNIT INCLUDES

- Input cable (5 m)
- Ground cable (3 m)
- Gas hose (2 m)
- Rolls 1.0 / 1.2 for solid wire
- USB with Operator's Manual



#### Processes

MIG, Flux-Cored, Stick

#### Applications

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

#### Input



#### Output



S300



Product	Reference	Input (V)	Fuse Type rG or Circuit Breaker Type Z	Rated Output	Output Range (A)	Wire Feed Type / Speed Range (m/min)	Weight (kg)	Dimensions H x W x D (mm)	Protection Class
Powertec® i250C Standard	K14284-1	400V 3Ph ±15% 50/60 Hz	16A	250A@60%, 195A@100%	10-250	4R / 1-20	69	560 x 935 x 878	IP23
Powertec® i320C Standard	K14286-1		20A	320A@40%, 250A@60%, 195A@100%	10-320				

## POWERTEC® i250C & i320C ADVANCED

### MIG welder ready for tomorrow.

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

#### UNIT INCLUDES

- Input cable (5 m)
- Ground cable (3 m)
- Gas hose (2 m)
- Rolls 1.0 / 1.2 for solid wire
- USB stick with Operator's Manual



#### Processes

MIG, Flux-Cored, Stick

#### Applications

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

#### Input



#### Output



S300



NEW



Product	Reference	Input (V)	Fuse Type rG or Circuit Breaker Type Z	Rated Output	Output Range (A)	Wire Feed Type / Speed Range (m/min)	Weight (kg)	Dimensions H x W x D (mm)	Protection Class
Powertec® i250C Advanced	K14285-1	400V 3Ph ±15% 50/60 Hz	16A	250A@60%, 195A@100%	10-250	4R / 1-20	70	560 x 935 x 878	IP23
Powertec® i320C Advanced	K14287-1		20A	320A@40%, 250A@60%, 195A@100%	10-320				

## POWERTEC® i380C & i450C ADVANCED

MIG welder ready for tomorrow.

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

### UNIT INCLUDES

- Input cable (5 m)
- Ground cable (3 m)
- Gas hose (2 m)
- Rolls 1.0 / 1.2 for solid wire
- USB with Operator's Manual
- Control panel cover



### Processes

MIG, Flux-Cored, Stick, CAG (only i450C)

### Applications

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

### Input



### Output



NEW



Product	Reference	Input (V)	Fuse Type rG or Circuit Breaker Type Z	Rated Output	Output Range [A]	Wire Feed Type / Speed Range (m/min)	Weight (kg)	Dimensions H x W x D (mm)	Protection Class
Powertec® i380C Advanced	K14288-1	400V 3Ph ±15% 50/60 Hz	25A	380A@40% 320A@60% 240A@100%	10-380	4R / 1-20	70	560 x 935 x 878	IP23
Powertec® i450C Advanced	K14289-1		32A	450A@80% 420A@100%	10-450		82		

## POWERTEC® i350S, i420S & i500S

High output, reliable industrial machine.

- Premium welding behaviour on CV MIG & Stick welding.
- Ready for the heaviest industrial conditions.
- Synergic capability (with LF56D).
- Optimised ergonomics, Lincoln reliability (True HD).
- Water cooled version (COOL ARC® 26 as an option).

### UNIT INCLUDES

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



### Processes

MIG, Flux-Cored, Stick, Innershield, Gouging

### Applications

- Heavy Fabrication
- Structural
- General Fabrication
- Shipbuilding

### Input



### Output



Product	Reference	Input (V)	Fuse Type rG or Circuit Breaker Type Z	Rated Output	Output Range [A]	Efficiency	Idle Power	Weight (kg)	Dimensions H x W x D (mm)	Protection Class
Powertec® i350S	K14183-1	400V 3Ph ±15% 50/60 Hz	25A	350A@50% 300A@100%	20-350	> 85%	< 35W	68	932 x 560 x 925	IP23
Powertec® i420S	K14184-1		32A	420A@100%	20-420			78		
Powertec® i500S	K14185-1		32A	500A@60% 420A@100%	20-500			79		

### COMPATIBLE FEEDERS \*

Product	Reference	Powertec® i350S	Powertec® i420S	Powertec® i500S
LF-52D	K14335-1	•	•	•
LF-56D	K14336-1	•	•	•

\* see chapter "Semi automatic WIRE FEEDERS" for details



# LINCOLN RELIABILITY OPTIMISED ERGONOMICS

MIG & MULTI PROCESS  
INVERTER WELDERS

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

**Lifting eye**

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

**Simple navigation**  
also when using  
welding gloves

**Cable Management System (option)**

**Inspection window**

**COOL ARC® 26 (option)**

**Heavy duty undercarriage with big wheels**  
Very solid, stable, metal construction, low gas cylinder entry makes loading very easy.

**Rubber bumpers protecting feet**

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

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

## WELD PAK™ 2000

Smart, multi-process compact.

- Compact design with undercarriage as standard.
- GMAW / FCAW / stick welding processes.
- Easy to operate – user interface with icon controls on the front.
- Professional wire feeding system.
- Superior arc behaviour with premium starting performance and arc stability.
- Easy to change polarity.

### UNIT INCLUDES

- Input cable (3 m)
- Work lead (3 m)
- Gas hose (2 m)
- MIG gun (3 m)
- Rolls 0.8 / 1.0 for solid wire



### Processes

MIG, Flux-cored (Innershield), Stick

### Applications

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

### Input



### Output



Product	Reference	Input (V)	Fuse Type rG or Circuit Breaker Type Z	Rated Output	Output Range (A)	Wire Feed Type / Speed Range (m/min)	Weight (kg)	Dimensions H x W x D (mm)	Protection Class
Weld Pak™ 2000	K14134-1	230V/1Ph 50/60 Hz	25A	180A/23V/20%	20-180	2R / 1.5-15	275	600 x 280 x 800	IP23

## SPEEDTEC® 180C & 200C

Many tasks, many locations.

- Innovative, robust, compact, portable and lightweight design ready to be used anywhere.
- Multiple Tasks Speedtec® 180C: CV MIG, FCAW, Stick \ Speedtec® 200C: CV MIG, CV Synergic, FCAW, Stick, TIG Lift.
- Power Factor Correction (PFC) – more welding power, energy and cost savings, generator compatible.
- User-friendly icon control panel.
- With complete two year parts and labour warranty.

### UNIT INCLUDES

- Input cable (2.2 m)
- Ground cable (3 m)
- Gas hose (2 m)
- Drive rolls (0.8-1.0 mm)



### Processes

Stick, Flux-Cored, Lift TIG (200C), MIG

### Applications

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

### Input



\* only Speedtec 200C

### Output



Product	Reference	Input (V)	Fuse Type rG or Circuit Breaker Type Z	Rated Output	Output Range (A)	Wire Feed Type / Speed Range (m/min)	Weight (kg)	Dimensions H x W x D (mm)	Protection Class
Speedtec® 180C	K14098-1	230V/1Ph 50/60 Hz	16A (25A)	200A/24V/25%	20-200	2R / 1.5-15	173	396 x 246 x 527	IP23
Speedtec® 200C	K14099-1	115/230V/1Ph 50/60 Hz							

## SPEEDTEC® 215C

One powerful machine to tackle any job.

- Versatile: MIG Synergic and Manual, FCAW, Stick, TIG Lift.
- Excellent welding characteristics with all processes.
- Smart housing for 15 kg spools, convenient shelves, useful in the workshop or production area.
- User-friendly icon control panel makes setup easy for both experts and beginners.
- Power Factor Correction (PFC): gives more power to arc, consumes up to 30% less energy (compared to conventional MIG equipment), works on 100 m extension cable.

### UNIT INCLUDES

- Input cable (5 m)
- Ground cable (3 m)
- Gas hose (2 m)
- Drive rolls (0.8-1.0 mm)



### Processes

Stick, Flux-Cored, Lift TIG, MIG

### Applications

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

### Input



### Output



Product	Reference	Input (V)	Fuse Type rG or Circuit Breaker Type Z	Rated Output	Output Range (A)	Wire Feed Type / Speed Range (m/min)	Weight (kg)	Dimensions H x W x D (mm)	Protection Class
Speedtec® 215C	K14146-1	115/230V/1Ph 50/60 Hz	16A (25A)	200A/24V/25%	20-200	2R / 1.5-15	42	780 x 400 x 750	IP23

## SPEEDTEC® 320CP

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

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

### UNIT INCLUDES

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



### Processes

MIG, FCAW, Stick

### Applications

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

### Input



### Output



Product	Reference	Input (V)	Fuse Type rG or Circuit Breaker Type Z	Rated Output	Output Range (A)	Feeding System	WFS Range (m/min)	Weight (kg)	Dimensions H x W x D (mm)	Protection Class
Speedtec® 320CP	K14168-1	400V 3Ph ±20% 50/60 Hz	20A	320A/30V/40%	15-320	4 rolls / 37 mm	0.5-25	37	743 x 335 x 534	IP23
Speedtec® 320CP (Push-Pull Compatible)	K14168-2									

**NEW**

## SPEEDTEC® 400SP & 500SP

Ultimate performance.

- High duty cycle multi-process power source.
- High Efficiency Processes (Speed Short Arc™, Soft Silent Pulse™, High Penetration Speed™).
- MECHAPULSE™ produces very high quality welds with rippled seam appearance.
- Modular concept to build configuration for any requirements.
- Double-side fully potted PCB with superior resistance for dust, humidity, jerk or vibrations.

### Processes

Pulsed MIG (400SP, 500SP), MIG, Flux-Cored, Stick, Lift TIG, Gouging

### Applications

- Heavy Fabrication
- Structural
- General Fabrication
- Shipbuilding

### Input



### Output



INDUSTRY LEADING  
**5-YEAR  
WARRANTY\***



\* Applies to the Speedtec power sources, 3 Years Standard Warranty + 2 Years after registration:

[www.lincolnelectric.com/LEExtranet/ProductRegistration/PRExtWarMain.aspx](http://www.lincolnelectric.com/LEExtranet/ProductRegistration/PRExtWarMain.aspx)

Product	Reference	Input (V)	Fuse Type rG or Circuit Breaker Type Z	Rated Output	Output Range (A)	Weight (kg)	Dimensions H x W x D (mm)	Protection Class
Speedtec® 400SP	K14258-1	400V/3Ph ± 15% 50/60Hz	25	420A/100%	20-420	53.5	625 x 295 x 550	IP23
Speedtec® 500SP	K14259-1		32	500A/60%	20-500	54.5		

### COMPATIBLE FEEDERS \*

Product	Reference	Speedtec® 400SP	Speedtec® 500SP
LF 52D	K14335-1	•	•
LF 56D	K14336-1	•	•

\* see chapter "Semi automatic WIRE FEEDERS" for details

## FLEXTEC 350X

A rugged, multi-process power source for maximum flexibility.

- CrossLinc™ Technology – full functionality without control cables.
- Simple – streamlined operator panel minimises setup time.
- Reliable – components designed to stay cool in high temperature environments.
- Flexible – compatible with across-the-arc and CrossLinc™ feeders and additionally analogue and digital feeders (only standard version).

**UNIT INCLUDES**

- Input power cord (2.6 m)
- CE filter



**Processes**

MIG, Flux-cored, Stick, DC TIG, Arc Gouging

**Applications**

- General Fabrication
- Maintenance and Repair
- Autobody/Farm
- Light industry
- Pipeline

**Input**



**Output**



Product	Reference	Input (V)	Fuse Type rG or Circuit Breaker Type Z	Rated Output	Output Range (A)	Weight (kg)	Dimensions H x W x D (mm)	Protection Class
Flextec® 350X Standard	K4284-1	380/460/575/3Ph	26/23/18	300/32V/100%, 350/34V/60%	5-425	43.9	477 x 356 x 673	IP23
Flextec® 350X Construction	K4283-1	±10% 50/60 Hz	26/23/19			41.7		

see compatible feeders table p. 22

## FLEXTEC® 500X

Powerful performance from the ground up.

- CrossLinc™ Technology – full functionality without control cables.
- Built-in basic pulsed MIG capability.
- Reliable – components designed to stay cool in high temperature environments.
- Simple – streamlined operator panel minimises setup time.
- Flexible – compatible with across-the-arc, analogue, digital or CrossLinc™ feeders.

**UNIT INCLUDES**

- Input power cord (2.6 m)
- CE filter



**Processes**

SMAW, GTAW, GMAW, GMAW-P, FCAW, Arc Gouging

**Applications**

- Fabrication
- Shipbuilding
- Construction

**Input**



**Output**



Product	Reference	Input (V)	Fuse Type rG or Circuit Breaker Type Z	Rated Output	Output Range (A)	Weight (kg)	Dimensions H x W x D (mm)	Protection Class
Flextec® 500X	K3607-2	380/460/575/3Ph ±10% 50/60 Hz	60/50/50	500A/40V/60% 450A/38V/100%	5-500	62	477 x 356 x 699	IP23

see compatible feeders table p. 22

## FLEXTEC® 650X

### Flexible technology.

- CrossLinc™ Technology – full functionality without control cables.
- Flextec 650X assembled with CE filter for European compliance.
- Useable with a wide range of 3-phase input power, 380-575V.
- Multi-process machine supporting SMAW, GTAW, GMAW, FCAW, FCAW-G, SAW, CAG (Arc Gouging).
- Up to 815A output current.
- Ultimate flexibility: supports older generation 115V feeders as well as new 42V analogue or digital feeders for the ultimate in flexibility.

#### UNIT INCLUDES

- CE filter



#### Processes

MIG, Flux-cored, Stick, DC TIG, Arc Gouging, SAW Welding

#### Applications

- Heavy Fabrication
- Structural
- General Fabrication
- Shipbuilding

#### Input



#### Output



Product	Reference	Input (V)	Fuse Type rG or Circuit Breaker Type Z	Rated Output	Output Range (A)	Weight (kg)	Dimensions H x W x D (mm)	Protection Class
Flextec® 650X	K3533-1	380/460/575/3Ph ±10% 50/60 Hz	61/50/40/ 57/47/38	750A/44V/60% 650A/44V/100%	10-815	74.8	554 x 410 x 745	IP23

#### COMPATIBLE FEEDERS \*

Product	Reference	Flextec® 350X Construction	Flextec® 350X Standard	Flextec® 500X	Flextec® 650X
LN-25X	K4267-4	•	•	•	•
Activ8X	K3519-2	•	•	•	•
LN-25 Pro	K2613-5	•	•	•	•
LN-25 Pro Dual	K2614-8	•	•	•	•
LF52D	K14335-1	•	•	•	•
LF56D	K14336-1	•	•	•	•
Linc Feed 33	K14030-1W	•	•	•	•
Linc Feed 33S	K14051-1	•	•	•	•
Flex Feed 74HT	K3883-x	•	•	•	•
Flex Feed 84 Single	K5000-x	•	•	•	•
Flex Feed 84 Dual	K5002-x	•	•	•	•
Power Feed® 42	K14107-1	•	•	•	•
Power Feed® 46	K14109-1	•	•	•	•
Power Feed® 22	K14110-1	•	•	•	•
Power Feed® 26	K14138-1	•	•	•	•
Power Feed® 25M (Aluminium case)	K2536-4	•	•	•	•
Power Feed® 25M (Plastic case)	K2536-5	•	•	•	•
Power Feed® 84 CE Single Ready PAK	K3329-1-P	•	•	•	•
Power Feed® 84 CE Dual Ready PAK	K3331-1-P	•	•	•	•

\* see chapter "Semi automatic WIRE FEEDERS" for details

## POWER WAVE® 300C

Full multi-process, portable flexibility.

- Equipped with a complete portfolio of high-performance wave forms, providing flexibility to tackle any welding application up to 350A. Wire feeding system built in.
- Comes standard with Power Wave® Manager software tools, simplifying welding setup and operation.
- CheckPoint™ software allows you to track equipment usage, store weld data, configure fault limits and more.
- Compact and durable case is IP23-rated to withstand harsh environments.

INDUSTRY LEADING  
**5-YEAR  
WARRANTY**



### Processes

MIG, Flux-cored, Stick, AC/DC TIG, Arc Gouging

### Applications

- General Fabrication
- Maintenance and Repair
- Autobody/Farm
- Light industry
- Educational

### Input



### Output



Product	Reference	Input (V)	Fuse Type rG or Circuit Breaker Type Z	Rated Output	Output Range (A)	Weight (kg)	Dimensions H x W x D (mm)	Protection Class
Power Wave® 300C Advanced	K4490-1	200-208/220-230 /380-415/460/575V 50/60 Hz	40/25/20/15	350A/31.5 V/40% 300A/29 V/100%	5-350	102.5	1008 x 525 x 1006	IP23

## POWER WAVE® S350 / S500

Multi-process power and versatility.

- Equipped with a complete portfolio of high-performance wave forms, providing flexibility to tackle any welding application up to 350A (S350) / 550A (S500).
- Comes standard with Power Wave® Manager software tools, simplifying welding setup and operation.
- CheckPoint™ software allows you to track equipment usage, store weld data, configure fault limits and more.
- Compact and durable case is IP23-rated to withstand harsh environments.

### Processes

SMAW, GTAW, GMAW, GMAW-P, FCAW, Arc Gouging

### Applications

- Fabrication
- Shipbuilding
- Construction

### Input



S350 S500

### Output



INDUSTRY LEADING  
**5-YEAR  
WARRANTY**



Product	Reference	Input (V)	Fuse Type rG or Circuit Breaker Type Z	Rated Output	Output Range (A)	Weight (kg)	Dimensions H x W x D (mm)	Protection Class
Power Wave® S350	K2823-2	230/400/460/575V 50/60 Hz	45/30/25/20	350/31.5V/40%	5-350	46.6	518 x 356 x 630	IP23
Power Wave® S500	K3168-1		90/60/45/35	500/39V/60%	5-550	68	570 x 356 x 630	

## POWER WAVE® R450

Industry's most capable 450A robotic power source.

- Industry leading – fastest travel speeds, lowest spatter generation, superior gap bridging & excellent penetration profiles.
- Fastest cycle times made possible with the world's fastest robotic interface – ArcLink®.
- Join different thickness materials, starting from 0.6 mm.
- Energy Saving Mode – machine uses less than 50W in Hibernation Mode, reducing the operation costs.

### Processes

DC TIG, Pulsed DC TIG, MIG, Pulsed MIG, Flux-Cored, HyperFill®, Low Fume Pulse™

### Applications

- Automotive
- General Industry
- Heavy Industry

### Input



### Output



INDUSTRY LEADING  
**5-YEAR  
WARRANTY**



Product	Reference	Input (V)	Fuse Type rG or Circuit Breaker Type Z	Rated Output	Output Range (A)	Weight (kg)	Dimensions H x W x D (mm)	Protection Class
Power Wave® R450	K3455-1	230/380/415/460/575V 50/60 Hz	60/54/30/27/21	500/39V/60%	5-550	68	570 x 356 x 630	IP23

## POWER WAVE® S700

High output power for automated environments.

- Choose the Power Wave® S700 model for high amperage, high duty cycle applications in the heavy equipment, transportation and other fabrication industries. Typically recommended for 1/16 inch (1.6 mm) wire diameter and up, the Power Wave® S700 can be used in Semi automatic, hard automation or robotic environments – even for high deposition synchronised tandem welding applications. The machine is also suitable for arc gouging.

### Processes

Stick, TIG, MIG, Pulsed MIG, Flux-Cored, Carbon Arc Gouging, HyperFill®, HDT

### Applications

- Heavy industry

### Input



### Output



INDUSTRY LEADING  
**5-YEAR  
WARRANTY**



Product	Reference	Input (V)	Fuse Type rG or Circuit Breaker Type Z	Rated Output	Output Range (A)	Weight (kg)	Dimensions H x W x D (mm)	Protection Class
Power Wave® S700	K3279-1	380-415/440-460/500/575V	55/46/42/38	700A/44V/100% (900A/44V/60%)	20-900	175	765 x 485 x 932	IP23



**NEW**

## PIPEFAB™ CE

Game-changing performance and simplicity.

- From root to cap, to final fit – the PIPEFAB™ system has you covered with weld modes that have been fine-tuned to deliver breakthrough arc performance.
- Our patented STT® process was the original open-root MIG solution to hit the market. After decades of leading the industry, we've taken the performance of this iconic process to the next level – making it better than ever.
- Powered by patented Cable View™ Technology, the PIPEFAB™ system continually monitors cable inductance and adjusts the waveform to maintain consistent arc performance with long or coiled cable runs up to 20 m.

INDUSTRY LEADING  
**5-YEAR**  
WARRANTY



### Processes

Stick, TIG (HF & TouchStart® TIG), MIG, STT® MIG, Pulsed MIG, Flux-Cored

### Applications

- Pipe & Vessel
- Process Pipe

### Input



### Output



MIG & MULTI PROCESS  
INVERTER WELDERS

Product	Reference	Input (V)	Fuse Type rG or Circuit Breaker Type Z	Rated Output	Output Range (A)	Weight (kg)	Dimensions H x W x D (mm)	Protection Class
Pipefab™ CE	K3732-1	230/380/415/460/575V 50/60 Hz	53/46/26/24/19	400/26/100%	5-400	94	560 x 432 x 863	IP23
Pipefab™ CE Ready Pak	K14283-1							

## POWER WAVE® ADVANCED MODULE

Expand your welding capabilities.

- Adds AC waveform control for Pulsed MIG, and Gas Tungsten Arc (TIG) Welding for S & R series PowerWave (except 300C).
- High frequency starting for TIG welding capability.
- Modular design allows easy connection and fast digital communication with compatible Power Wave® models.
- Includes STT process capability, making this module perfect for automotive, pipe and thin metal applications.

INDUSTRY LEADING  
**5-YEAR  
WARRANTY**



### Processes

GMAW-AC, AC-GMAW-P, GTAW (AC, DC-, AC/DC), Low Fume Pulse™ (S350, S500 or R450)

### Input



### Output



Product	Reference	Input Voltage	Rated Output	Weight (kg)	Dimensions H x W x D (mm)	Protection Class
Power Wave® Advanced Module	K3685-1	40V DC	350A/40%	33.8	292 x 356 x 630	IP23

## POWER WAVE® STT® MODULE

Add STT® for exceptional arc Control.

- Add STT® (Surface Tension Transfer®) process capability to any S & R series PowerWave (except S700) for enhanced puddle and burn-through control.
- Improve performance on thin metal or critical pipe root pass welding applications.
- Modular design allows easy connection and fast digital communication with compatible Power Wave® models.

INDUSTRY LEADING  
**5-YEAR  
WARRANTY**



### Processes

GMAW-STT®, Low Fume Pulse™ (S350, S500 or R450)

### Input



### Output



Product	Reference	Input Voltage	Rated Output	Weight (kg)	Dimensions H x W x D (mm)	Protection Class
Power Wave® STT® Module	K2921-1	40V DC	500A@60%	21.3	292 x 356 x 630	IP23

## POWER WAVE® WIRELESS CONNECTIVITY MODULE

Simplifying machine connectivity.

- Plant-wide connection – easily connect existing or remote Power Wave® systems for complete visibility of your welding operations.
- Quick & easy installation – modular design allows hassle-free installation without the need for extensive machine downtime.
- Local display – convenient voltage and amperage metering directly on the power source.



### Connection

- Wi-Fi 802.11 a/b/g/n (Wi-Fi 1/2/3/4)
- Bluetooth 4.1
- Ethernet

### Compatible Power Sources

- Power Wave® S350
- Power Wave® S500
- Power Wave® R450
- Power Wave® R500
- Power Wave® S700

Product	Reference	Connectivity	Encryption
Power Wave® Wireless Connectivity Module	K4352-1	Wi-Fi 802.11 a/b/g/n @ 2.4 GHz, Bluetooth 4.1 and earlier, Ethernet Port	WEP, WPA, WPA2, WPA ENT
Power Wave® Wireless Connectivity Module (S700 only)	K4352-2		

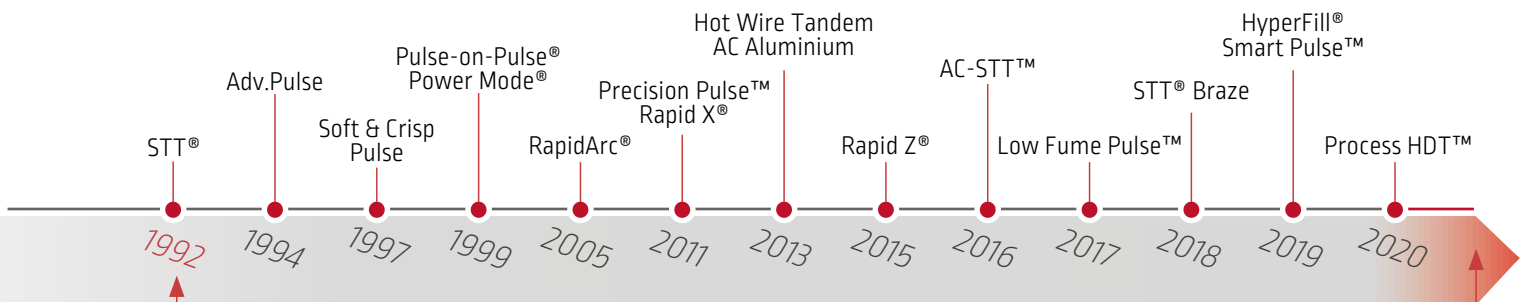
# OPTIMISE YOUR ARC PERFORMANCE. THE RIGHT PROCESS FOR ANY APPLICATION.

Using Waveform Control Technology™, each process can be tailored to your specific needs.

APPLICATION VARIABLES:	Material / Shielding gas / Welding positions
PERFORMANCE CONSTRAINTS:	Travel speed / Spatter / Part fit-up

MIG & MULTI PROCESS  
INVERTER WELDERS

## PIONEER OF PATENTED WELDING PROCESSES



## CUSTOMER FOCUS DRIVES OUR INNOVATION

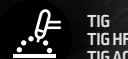
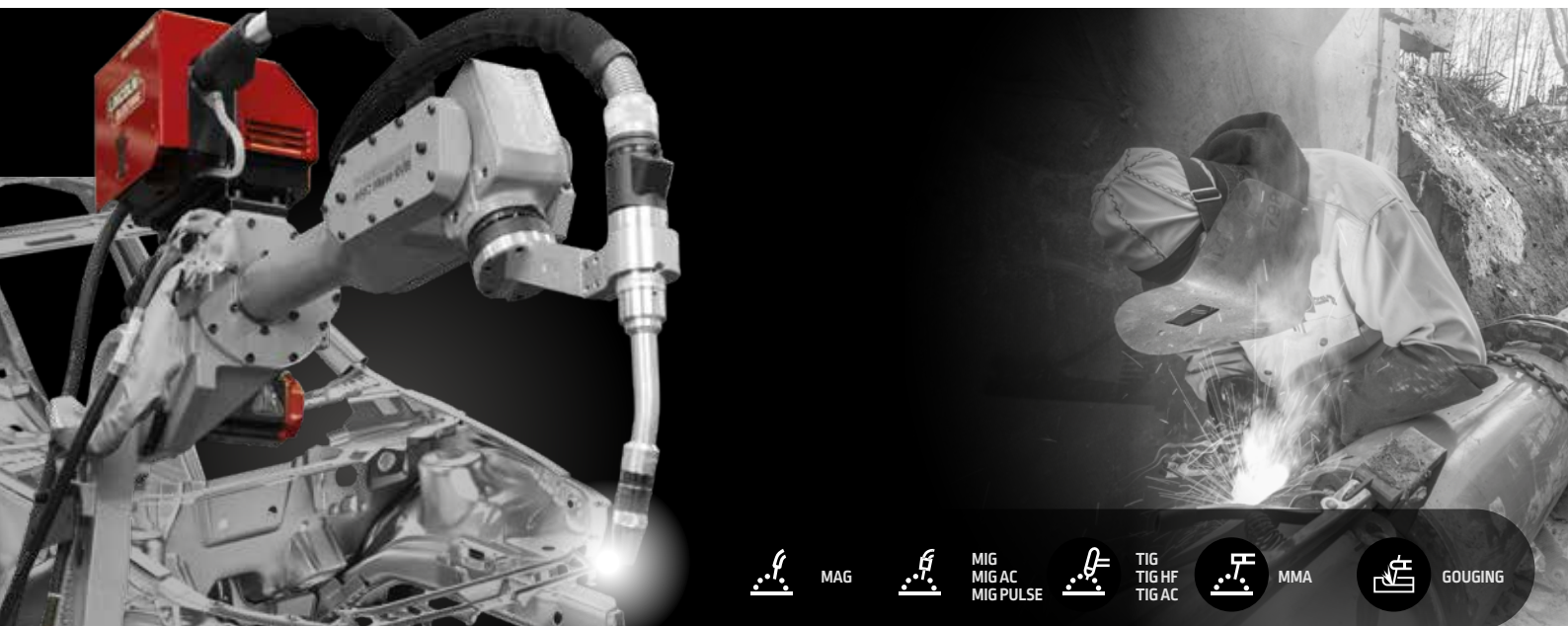
Lincoln Electric® pioneered the development of Surface Tension Transfer (STT), a low heat short-arc process, well before the competition.

**Many More in Development!**

**Free Upgrades**

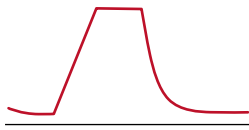
\* Some require additional hardware to extend capabilities

## ALL APPLICATIONS. ALL INDUSTRIES. ALL PROCESSES

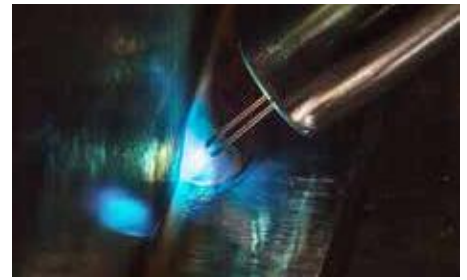


### HyperFill®

Bigger welds – faster, easier.



- Higher deposition rate. On average, usable deposition rates increase up to 50% while maintaining process ease-of-use.
- Easy molten puddle control.
- Comfortable for the welder.
- Large beads achievable.

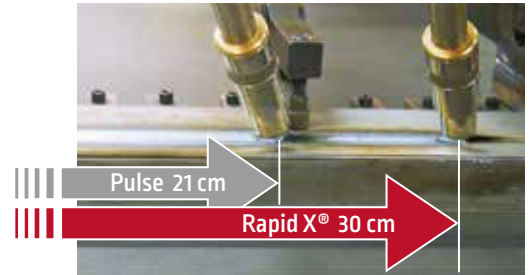


### Rapid X®

High speed, low spatter, low heat input, no trade-offs.

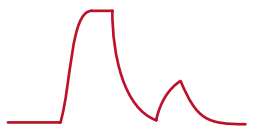


- Revolutionises the productivity of welding.
- Increases travel speeds by 40%.
- Reduces spatter by 30%.

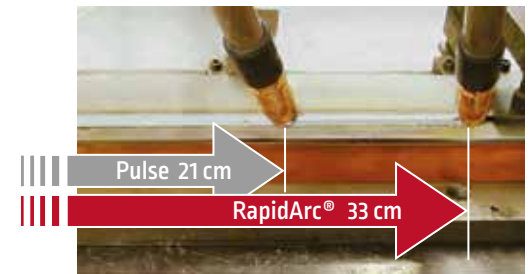


### RapidArc®

Maximising weld travel speeds.

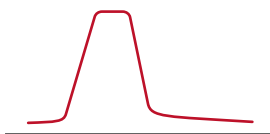


- Industry's premier waveform for high-speed welding.
- Travel speeds increased by 50%.
- Spatter reduced by 15%.



### Precision Pulse™

Pulse performance for jobs demanding flexibility.



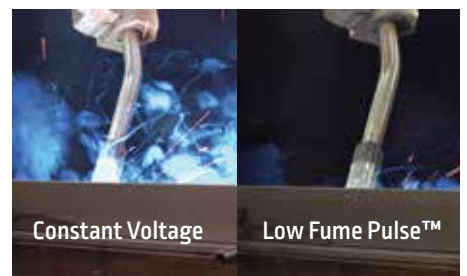
- Improved out-of-position welds.
- Enhanced puddle control for improved operator confidence.
- Controlled heat input.
- Improved welds in tight joints.



### Low Fume Pulse™

Better weld and work environment.

- Maximising operator appeal and arc forgiveness.
- Reduction in fume generation by up to 66% compared to CV.
- Excellent arc stability.
- Extremely low spatter generation.



### Rapid Z®

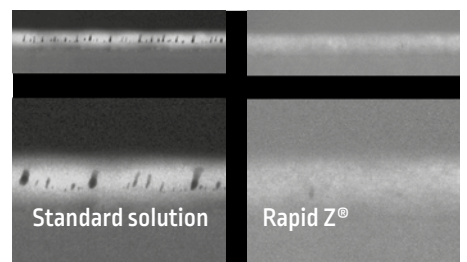
Lowest porosity, highest speed.



- Reduces internal and external porosity while maintaining high travel speeds.
- Improves bead appearance.



MORE INFORMATION IN RAPID Z® BROCHURE



MIG & MULTI-PROCESS  
INVERTER WELDERS

STEEL & STAINLESS STEEL

COATED STEEL

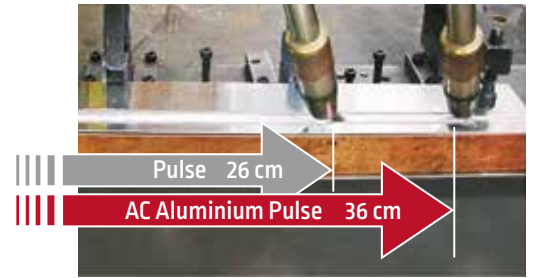
ALUMINIUM

### AC Aluminium Pulse

Improved aluminium productivity and quality.

- Increases travel speeds by 40%.
- Increases deposition by 75%.
- Improves gap bridging capabilities.
- Decreases burn-through.

## ULTIMARC® CONTROL



### Power Mode®

The universal mode for tough applications.

- Stable arc performance and fewer current fluctuations.
- More consistent weld penetration.
- Fewer fusion defects in welds.

## EXCELLENT PERFORMANCE – THIN TO THICK MATERIAL



### Pulse-on-Pulse®

TIG appearance – MIG productivity.



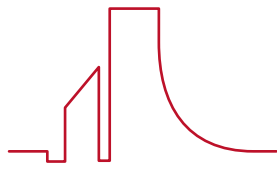
- Offers excellent heat input control, especially on thin materials (less than 7 mm thick).
- Eliminates in-line weaving.
- Improves operator appeal for any skill level.
- Ensures better appearance and productivity matter using aluminium.



STEEL, STAINLESS & NICKEL

### STT®

Industry proven root pass solution.



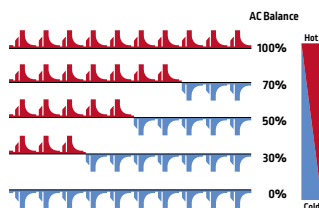
- Simplifies open root welding for any operator skill level.
- Eliminates common burn-through & lack of fusion issues.
- Delivers larger bead, flat face, perfect back bead and excellent fusion.



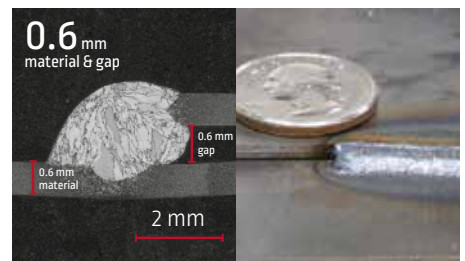
STEEL

### AC-STT™

Industry's superior thin gauge solution.



- Proven STT® waveform with controlled AC balance.
- Excellent heat-input control.
- No burn through, no spatter.



## TAKE CONTROL. EVERY MACHINE, EVERY WELD.

Welding can be the most complex part of any manufacturing process and is often the least controlled. Your quality relies on every operator on every shift to make the same welds with the same parameters. It is clear, there are many risks to quality and cost.

The Power Wave® platform allows you to reduce risk and remove variation from your welding processes and operations.

Designed with the operator, foreman, and engineer in mind, the embedded process control tools of Power Wave® help you standardise your welding processes, increase weld quality and part-to-part consistency, and remove the guess work for operators.

### Power Wave® enables you to:

- Standardises & save machine settings
- Reduce welding variation among operators
- Improve WPS compliance
- Allow operators to focus on welding, not machine settings
- Transfer settings among machines

## POWER WAVE® MANAGER

### USER INTERFACE POINT OF USE CONTROLS

- Remote configuration
- Easily standardise fleet settings
- Fine-tune weld parameters and send to your equipment

### Power Wave® Manager

- Configure Equipment Communication
- Capture, store, and transport system settings from station to station
- Equipment Calibration Management
- Customise Procedure Memories
- Diagnostic Tests

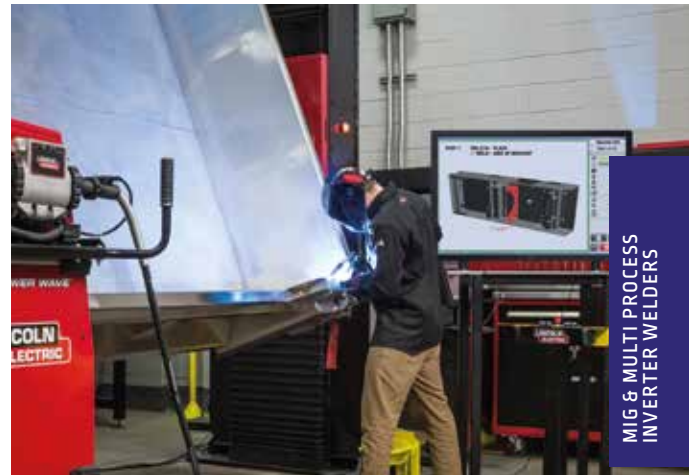


## YOUR POWER WAVE® PC COMMAND CENTER

# WELD SEQUENCER

Changing what was actioned with paper instructions to an operator guided, complete welding system. No longer is it difficult to train operators, interpret work instructions and prints, or execute and verify welds.

- Guide operators step-by-step
- Easy to follow graphical interface
- Clearly define each assembly step
- Clearly define each weld placement



Automatic control of the welding power source based on engineering weld specifications.

- Eliminate missed welds
- Simplify work instructions, reduce costly rework, reduce inspection effort
- Improve training comprehension
- Improve post-training cycle times
- Reduce training costs

## Weld Sequencer applications

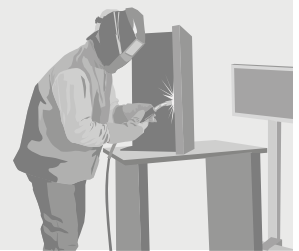
### COMPLEX SEMI-AUTOMATIC OPERATIONS

Comprehensive management of weld procedures, assembly fixtures, and part identification.

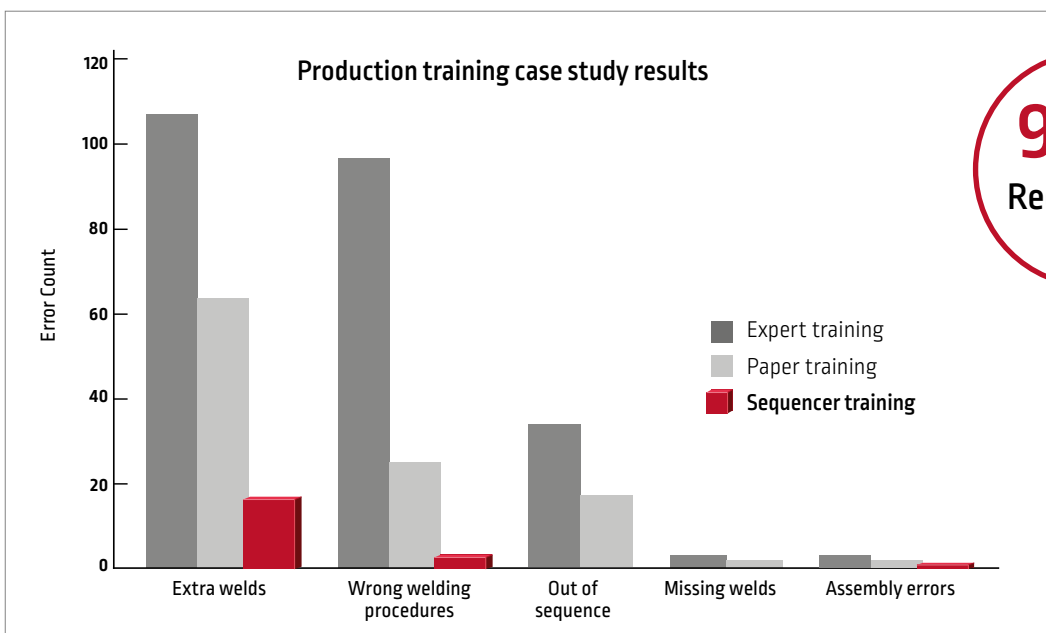


### BASIC SEMI-AUTOMATIC OPERATIONS

Quality control verification on WPS settings and total weld count



# GET IT RIGHT THE FIRST TIME, EVERY TIME



**94%**  
Reduction in Errors



GET MORE INFORMATION ABOUT WELD SEQUENCER

## INFORMATION THAT LEADS TO SOLUTIONS®

The success of every operation, big or small, depends on making the best weld in an efficient way, with zero defects, whilst meeting customer demand. Do you know and understand the true performance of your welding operations? Relying on traditional methods to collect and analyse operator metrics is too burdensome and often doesn't provide a true representation of your entire welding operation.

The Power Wave® advanced production monitoring technology allows you to easily break away from old methods with an intelligent, IoT driven platform. By providing a complete, real-time view of your entire welding operation, the Power Wave® platform provides the precise information you need to make data-driven decisions for continuous improvement.

MIG & MULTI-PROCESS  
INVERTER WELDERS

## CHECKPOINT®

# THE RIGHT DATA, THE RIGHT DECISIONS

- More than data collection
- Full production monitoring

### With Checkpoint® you can:

- Identify the TRUE COST of welding
- Evaluate the TRUE QUALITY of welding
- Deliver the TRUE PERFORMANCE of welding

#### Powerful data visualisation

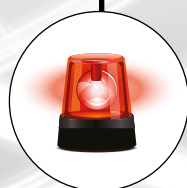
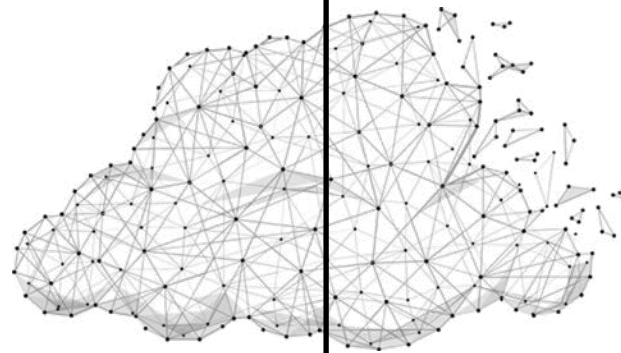
- Full visibility of your welding operation
- Real-time dashboard snapshots
- In-depth weld analytics

#### Easy data exporting

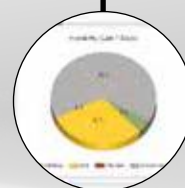
- Export the raw data
- Crunch the numbers the way YOU want



FOR MORE  
INFORMATION  
SCAN HERE



ALERTS

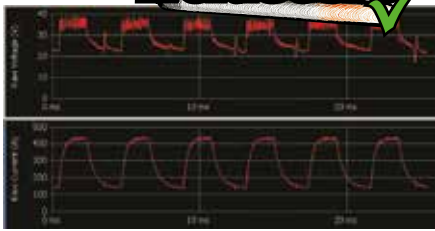


TRACEABILITY



PRODUCTION  
MONITORING





## WELDScore®

- Embedded quality monitoring technology
- Model-based weld evaluation
- Simple, easily understood quality score for each weld
- Monitors actual conditions at the arc, not external upstream sensors
- Real-time feedback and limit setting to verify your operations

WeldScore® is a tool intended for in-process monitoring of consistent and repeatable welding operations based upon your example welding conditions and is not a replacement for quality assurance procedures, such as non-destructive or destructive testing.



Acceptable Weld – Proper gas flow and coverage produces a good weld with no porosity.



Unacceptable Weld – Low gas flow results in obvious porosity.



Unacceptable Weld – Incorrect gas mix yields higher spatter levels.

## TRUE ENERGY®

True Energy® is a proprietary Lincoln Electric technology that uses the digital control system embedded in each Power Wave® arc welding power source to measure and calculate the instantaneous amount of energy put into a weld. Customers can then use this value, in conjunction with the length of the weld, to calculate the Heat Input. Heat input calculations are used extensively in the welding industry, and the accurate calculation of these values is of the utmost importance.

- Built in to all Lincoln Electric Power Wave® power sources
- Easily compliant with heat input calculations per ASME code
- No extra equipment or measuring tools necessary
- Capable of accurately measuring advanced process waveforms

### Traditional heat input calculation

$$\text{HEAT INPUT} = \frac{V \cdot A \cdot 60}{\text{Travel Speed}} \text{ kJ/mm}$$

### True Energy® heat input calculation

$$\text{HEAT INPUT} = \frac{\text{True Energy® Value}}{\text{Distance Travelled}} \text{ kJ/mm}$$



## POWER WAVE® SOFTWARE FOR FREE

Upgrade your Power Wave® power source software for free\*

Get access to the best welding solutions in the industry.

Free software upgrades means:

- NEW functionality
- NEW version of monitoring software
- NEW Innovative Waveforms

\* excluding Weld Sequencer products



UPGRADE YOUR POWER WAVE®

**FREEWARE**

[www.PowerWaveSoftware.com](http://www.PowerWaveSoftware.com)

**INCREASE YOUR  
DEPOSITION  
RATE**

**BY UP TO  
50%!**

# HYPERFILL®

**BIGGER WELDS FASTER  
IN SEMI AUTOMATIC  
GMAW WELDING**

With **SUPRAMIG® HD HF** wire specifically  
designed for HyperFill®

**INNOVATIVE  
TWIN-WIRE  
DESIGN**



## **UNIQUE GMAW PROCESS, TWO WIRES A SINGLE ARC**

Due to its innovative twin-wire design, HyperFill® is able to utilise two smaller diameter wires to produce a larger weld droplet and arc cone.

In return, this generates a large weld puddle that is easy to manage and control, allowing operators to increase deposition by an average of 50% over traditional single wire processes.

### **Solution Requirements:**

HyperFill® is a patented and licensed twin-wire MIG solution that is designed to perform specifically with select Lincoln Electric welding wire. The solution requires a licensed waveform which may require an additional purchase. For more details, reference document MC20-106.

[www.lincolnelectriceurope.com](http://www.lincolnelectriceurope.com)



**LINCOLN®  
ELECTRIC**

# HYPERFILL® SOLUTION

## SEMI AUTOMATIC READY PAK

Suitable to run 2 x 1 mm Solid wire. For 1.2 mm and MCW wear parts need to be ordered separately.

						
<b>HYPERFILL® INLET BUSHING</b> K4389-1	<b>MAGNUM PRO GUN LINER</b> – 2, 4 mm / 4.5 m KP44-332-15	<b>HYPERFILL® CONTACT TIP</b> – 1.2 mm KP4482-047	<b>GAS DIFFUSER HYPERFILL®</b> KP4481-1	<b>NOZZLE HYPERFILL®</b> KP4120-1-75R	<b>HYPERFILL® DRIVE ROLL KIT 0.045 FCW</b> KP4388-3	<b>HYPERFILL® DRIVE ROLL KIT 0.045</b> KP4388-2

Product	Reference	Advised Qty
HyperFill® Inlet Bushing	K4389-1	1
Magnum Pro gun liner – 2, 4 mm / 4.5 m	KP44-332-15	1
HyperFill® contact tip – 1.2 mm	KP4482-047	10
Gas Diffuser HyperFill®	KP4481-1	2
Nozzle HyperFill®	KP4120-1-75R	2
HyperFill® Drive Roll Kit 0.045	KP4388-2	1
HyperFill® Drive Roll Kit 0.045 FCW	KP4388-3	1



Product	Reference
HyperFill® ready pak single CE	K14209-1
HyperFill® ready pak dual CE	K14210-1

### UNIT INCLUDES

Power Wave® S500	K3168-1
PF84 pak	K3329-2-P single or K3331-2-P dual
Dual Reel stand	K14207-1
Coolarc® 50	K14050-1
PowerWave® Cart	K3059-4
Magnum pro one 4.5 m pak 2 x 1 mm	K4651-040
Earth cable 5 m and Coolant included	

Intermediate cable to be associated with Ready pak according to the length wished:

Product	Reference
Intermediate cable 3 m (95 mm <sup>2</sup> , 5Pin-5Pin)	K10349-PGW-3M
Intermediate cable 5 m (95 mm <sup>2</sup> , 5Pin-5Pin)	K10349-PGW-5M
Intermediate cable 10 m (95 mm <sup>2</sup> , 5Pin-5Pin)	K10349-PGW-10M
Intermediate cable 15 m (95 mm <sup>2</sup> , 5Pin-5Pin)	K10349-PGW-15M
Intermediate cable 20 m (95 mm <sup>2</sup> , 5Pin-5Pin)	K10349-PGW-20M

Option:



**PF84 HYPERFILL® TROLLEY**  
K14331-1



## ROBOTIC ONE PAK

Product	Reference
Robotic Power Wave® S700 one pak	K14292-1
<b>UNIT INCLUDES</b>	
Power Wave® S700	K3279-1
Autodrive 4R220	K3561-1
Autodrive 19 controler	K3004-2
Cool Wave™ 20S	K4713-1

Robotic gun & Robot dress out kit have to be ordered separately according to robot model.

Contact your Lincoln representative.



Product	Reference	Powertec® i350S	Powertec® i420S	Powertec® i500S	Speedtec® 400SP	Speedtec® 500SP	Flextec® 350X Construction	Flextec® 350X Standard	Flextec® 500X	Flextec® 650X	PowerWave® S350	PowerWave® S500	PowerWave® S700
Power Feed® 25M (Aluminium case)	K2536-4				•	•		•	•	•	•	•	•
Power Feed® 25M (Plastic case)	K2536-5				•	•		•	•	•	•	•	•
LF52D	K14335-1	•	•	•	•	•		•	•				
LF56D	K14336-1	•	•	•	•	•		•	•				
Power Feed® 22	K14110-1							•	•	•	•	•	•
Power Feed® 26	K14138-1							•	•	•	•	•	•

CROSSLINC FEEDERS

LN-25X™	K4267-4						•	•	•	•			
Activ8X™	K3519-2						•	•	•	•			

ANALOGUE FEEDERS (14PIN CONTROL CABLE) OR ACROSS-THE-ARC

Linc Feed 33	K14030-1W							•	•	•			
Linc Feed 33S	K14051-1							•	•	•			
LN-25 Pro	K2613-5						•	•	•	•			
LN-25 Pro Dual	K2614-8						•	•	•	•			
FlexFeed 74HT	K3883-x							•	•	•			
Flex Feed 84 Single Bench	K5000-x							•	•	•			
Flex Feed 84 Dual Bench	K5002-x							•	•	•			

ADVANCED OPTION

Power Wave® Advanced Module	K3685-1										•	•	
Power Wave® STT® Module	K2921-1										•	•	
Power Wave® Wireless Connectivity Module	K4352-1										•	•	
Power Wave® Wireless Connectivity Module (S700 only)	K4352-2												•

					
<b>POWER FEED® 22</b> K14110-1	<b>POWER FEED® 26</b> K14138-1	<b>ACTIV8X™</b> K3519-2	<b>LN-25X™</b> K4267-4	<b>POWER FEED® 42</b> K14107-1	<b>POWER FEED® 46</b> K14109-1
					
<b>POWER FEED® PF25M (A1/P)</b> K2536-4 K2536-5	<b>POWER FEED® 84 SINGLE</b> K3329-1-P	<b>POWER FEED® 84 DUAL</b> K3331-1-P	<b>LF52D</b> K14335-1	<b>LF56D</b> K14336-1	

LGS2 150G



LGS2 360G



LGS2 505W



See page 11

More details page 85

MIG & MULTI PROCESS  
INVERTER WELDERS

Product	Reference	Weld Pak™ 2000	Speedtec® 180C	Speedtec® 200C	Speedtec® 215C	Powertec® i250C Standard	Powertec® i320C Standard	Powertec® i250C Advanced	Powertec® i320C Advanced	Powertec® i380C Advanced	Powertec® i450C Advanced	Powertec® i350S	Powertec® i420S	Powertec® i500S	Speedtec® 320CP	Speedtec® 400SP	Speedtec® 500SP	Flextec® 350X Construction	Flextec® 350X Standard	Flextec® 500X	Flextec® 650X	PowerWave® C300 CE	PowerWave® S350 CE	PowerWave® S500 CE	PowerWave® S700 CE		
<b>COOLERS</b>																											
Cool Arc® 26	K14182-1																										
Cool Arc® 46	K14105-1																										
Cool Arc® 50	K14050-1																										
Cool Wave™ 20S	K4713-1																										
Cool Arc® 60	K14297-1																										
Freezcool – cooling liquid for torches (9.6 l)	W000010167																										
<b>UNDERCARRIAGE</b>																											
Four-wheeled undercarriage (i80C/200C)	K14114-1																										
Tool box for cart (i80C/200C)	K14115-1																										
Two-wheeled undercarriage	W000375730																										
Four-wheeled undercarriage (Speedtec®)	K14096-1																										
Four-wheeled undercarriage (Speedtec®)	K14298-1																										
Four-wheeled undercarriage (dual feeders + dual gas cylinders)	K14346-1																										
Four-wheeled undercarriage (Flextec & PowerWave®)	K3059-4																										
Locking Foot Kit (Flextec 350x)	K4424-1																										
Locking Foot Kit (Flextec 500x)	K3056-2																										
Four-wheeled undercarriage (Power Wave®S)	K14085-1																										
Cart Adapter Kit (Speedtec 320CP)	K14193-1																										
<b>ROLLS</b>																											
Drive Roll Kit (1pc / diameter 37 mm) *	KP14016-XX																										
Drive Roll Kit (2pcs / diameter 37 mm) *	KP14017-XX																										
Drive Roll Kit (4pcs / diameter 37 mm) *	KP14150-XX																										
Aluminium welding kit 1.0-1.2	W000277622																										
Drive Roll Kit for solid wire *	KP1696-X																										
Drive Roll Kit for cored wire *	KP1697-X																										
Drive Roll Kit for aluminium wire *	KP1695-X																										

\* see chapter "Options" for details

					
<b>COOL ARC® 46</b> K14105-1	<b>COOL ARC® 50</b> K14050-1	<b>COOL ARC® 60</b> K14297-1	<b>COOL WAVE™ 20S</b> K4713-1	<b>COOL ARC® 26</b> K14182-1	<b>INVERTER AND WIRE FEEDER CART</b> K3059-4

Product	Reference	Weld Pak™ 2000	Speedtec® 180C	Speedtec® 200C	Speedtec® 215C	Powertec® 1250C Standard	Powertec® 1320C Standard	Powertec® 1250C Advanced	Powertec® 1320C Advanced	Powertec® 1380C Advanced	Powertec® 1450C Advanced	Powertec® 1380S	Powertec® 1420S	Powertec® 1500S	Speedtec® 320CP	Speedtec® 400SP	Speedtec® 500SP	Flextec® 350X Construction	Flextec® 350X Standard	Flextec® 500X	Flextec® 650X	Power Wave® C300	Power Wave® S350	Power Wave® S500	Power Wave® S700	
<b>CABLES</b>																										
Interconnection cable Air cooled *	K10349-PG-XM																									
Interconnection cable Water cooled *	K10349-PGW-XM																									
Interconnection cable Air cooled *	K14198-PG-XM																									
Interconnection cable Water cooled *	K14199-PGW-XM																									
Extension Welding Cable 70 mm <sup>2</sup> (5; 10; 15; 30 m) TM(M)-TM(F)	K14166-X (X=1, 2, 3, 4)																									
Extension Welding Cable 95 mm <sup>2</sup> (5; 10; 15; 30 m) TM(M)-TM(F)	K14167-X (X=1, 2, 3, 4)																									
Weld Power Cable 3 m – Lug to Lug – 600A/60%	K1842-10																									
Weld Power Cable 10.6 m – Lug to Lug – 600A/60%	K1842-35																									
Weld Power Cable 18.3 m – Lug to Lug – 600A/60%	K1842-60																									
Weld Power Cable 33.5 m – Lug to Lug – 600A/60%	K1842-110																									
Coaxial Weld Power Cable 76 m – Lug to Lug – 350A 60%	K1796-25																									
Coaxial Weld Power Cable 15.2 m – Lug to Lug – 350A 60%	K1796-50																									
Coaxial Weld Power Cable 23 m – Lug to Lug – 350A 60%	K1796-75																									
Coaxial Weld Power Cable 30.5 m – Lug to Lug – 350A 60%	K1796-100																									
ArcLink Cable (8FT / 2.4 m)	K1543-8																									
ArcLink Cable (25FT / 7.6 m)	K1543-25																									
ArcLink Cable (50FT / 15.2 m)	K1543-50																									
Analogue Control Cable Extension 3 m – 14PIN Male-Female	K1797-10																									
Analogue Control Cable Extension 7.6 m – 14PIN Male-Female	K1797-25																									
Analogue Control Cable Extension 15.2 m – 14PIN Male-Female	K1797-50																									
Analogue Control Cable Extension 30.5 m – 14PIN Male-Female	K1797-100																									
Welding cable 3/5 m with electrode holder 200A	E/H-200A-25-3M	•	•	•	•																					
Welding cable 5/10 m with electrode holder 300A (x=5, 10)	E/H-300A-50-XM					•	•	•	•																	
Welding cable 5/10 m with electrode holder 400A (x=5, 10)	E/H-400A-70-XM					•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Welding cable 5/10 m with ground clamp 200A	GRD-200A-35-5M	•	•	•	•																					
Welding cable 5/10 m with ground clamp 300A (x=5, 10)	GRD-300A-50-XM					•	•	•	•																	
Welding cable 5/10/15 m with ground clamp 400A (x=5, 10, 15)	GRD-400A-70-XM					•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Welding cable 5/10 m with ground clamp 600A (x=5, 10)	GRD-600A-95-XM					•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

<b>REMOTE CONTROL &amp; USER INTERFACE</b>																										
Remote control 15m (6PIN / 1POT)	K10095-1-15M																									
Extension cable for remote control (6PIN) 15 m	K10398																									
12PIN to 6PIN Adapter	K2909-1																									
Remote control MIG Yoystick 7 m	K14091-1																									
Remote control RC-7 Advanced	K14203-1																									
Remote control Simple Puls 15 m	W000275904																									
User Interface U2	K14121-1																									
User Interface U6	K14123-1																									
User Interface for Speedtec 400SP and 500SP	K14347-1																									
Foot Ampctrl™	K870																									

\* see chapter "Options" for details

					
<b>CABLE KITS</b> W000011138 W000260683 W000260684 W000011139 W000260681 W000260682	<b>GROUND CABLE</b> GRD-400A-70-10M GRD-400A-70-15M	<b>ELECTRODE HOLDER</b> E/H-300A-50-5M	<b>INTERCONNECTION CABLE</b> K10349-PG-3M K10349-PGW-5M	<b>FOOT AMPCTRL™</b> K870	<b>REMOTE CONTROL</b> K10095-1-15M







**SEMI AUTOMATIC  
WIRE FEEDERS**

**SEMI AUTOMATIC WIRE FEEDERS**

MODEL REFERENCE

		INPUT	OUTPUT	WIRE SIZE RANGE (mm)			FEATURES															
		Input Power	Rated Output	Solid Wires	Cored Wires	Aluminium Wires	Wire Drive System	A/V Meters	Max wire spool size (mm)	Wheels	EURO socket	Socket for Electrode	Internal Contactor	Flow meter	CC/CV Switch	Synergic	Control Cable	Across-the-Arc	ArcLink	Crosslinc	MIG gun cooling	Warranty (years)
<b>Digital</b>																						
<b>Construction</b>																						
Power Feed® 42	K14107-1	40V DC	500A /60%	0.8-1.6	1.0-1.6	1.0-1.6	4R	LEDs	300	•	•	•	0	•	5P	•					A/W	3
Power Feed® 46	K14109-1	40V DC	500A /60%	0.8-1.6	1.0-1.6	1.0-1.6	4R	TFT	300	•	•	•	0	•	5P	•					A/W	3
LF-52D	K14335-1	40V DC	500A /60%	0.8-1.6	0.9-1.6	1.0-1.6	4R	LEDs	300	•	•	•	0	•	5P						A/W	3
LF-56D	K14336-1	40V DC	500A /60%	0.8-1.6	0.9-1.6	1.0-1.6	4R	TFT	300	•	•	•	0	•	5P						A/W	3
Power Feed® 84 CE Single Ready PAK	K3329-1-P	40V DC	600A /60%	0.6-2.4	0.8-2.8	0.9-2.4	4R	LEDs	up to 27 kg		•				5P	•					A/W	3
Power Feed® 84 CE Dual Ready PAK	K3331-1-P	40V DC	600A /60%	0.6-2.4	0.8-2.8	0.9-2.4	4R (2)	LEDs	up to 27 kg		•				5P	•					A/W	3
<b>Suitcase</b>																						
Power Feed® 22	K14110-1	40V DC	500A /60%	0.8-1.6	1.0-1.6	1.0-1.6	4R	LEDs	300	•	•	0	•	•	5P	•					A/W	3
Power Feed® 26	K14138-1	40V DC	500A /60%	0.8-1.6	1.0-1.6	1.0-1.6	4R	TFT	300	•	•	0	•	5P	•						A/W	3
Power Feed® 25M [Aluminium case]	K2536-4	40V DC	500A /60%	0.6-1.6	0.8-2.0	0.9-1.6	2R (1)	LEDs	300	0		•	•	5P	•						A/W	3
Power Feed® 25M [Plastic case]	K2536-5	40V DC	500A /60%	0.6-1.6	0.8-2.0	0.9-1.6	2R (1)	LEDs	300	0		•	•	5P	•						A/W	3
<b>Analogue</b>																						
<b>Construction</b>																						
Linc Feed 22M	K14064-1	34-44V AC	500A /60%	0.8-1.6	1.0-1.6	1.0-1.6	2R	–	300	•	•				9P						A	3
Linc Feed 24M	K14065-1W	34-44V AC	500A /60%	0.8-1.6	1.0-1.6	1.0-1.6	4R	LEDs	300	•	•				9P						A/W	3
Linc Feed 24M Pro	K14066-1W	34-44V AC	500A /60%	0.8-1.6	1.0-1.6	1.0-1.6	4R	LEDs	300	•	•			•	9P						A/W	3
Linc Feed 33	K14030-1W	34-44V AC	500A /60%	0.8-1.6	1.0-1.6	1.0-1.6	4R	LEDs	300	•	•				9P						A/W	3
Linc Feed 33S	K14051-1	34-44V AC	500A /60%	0.8-1.6	1.0-1.6	1.0-1.6	4R	LEDs	200	•	•	•			9P						A/W	3
Flex Feed 74HT	K3883-x	24-42V AC	600A /60%	0.6-2.4	0.8-2.8	0.9-2.4	4R	LEDs	up to 27 kg	0					14P						A/W(O)	3
Flex Feed 84 Single	K5000-x	24-42V AC	600A /60%	0.6-2.4	0.8-2.8	0.9-2.4	4R	LEDs	up to 27 kg	0					14P						A/W(O)	3
Flex Feed 84 Dual	K5002-x	24-42V AC	600A /60%	0.6-2.4	0.8-2.8	0.9-2.4	4R (2)	LEDs	up to 27 kg	0					14P						A/W(O)	3
<b>Suitcase</b>																						
LN-25 Pro	K2613-5	15-110V DC	450A /60%	0.6-1.6	0.8-2.0	0.9-1.6	2R (1)	•	300	0	•	•	•		•						A	3
LN-25 Pro Dual	K2614-8	15-110V DC or 24-42V AC	450A /60%	0.6-1.6	0.8-2.0	0.9-1.6	2R (1)	LEDs	300	0	•	•	•		14P	•					A	3
LN-25X	K4267-4	15-110V DC	450A /60%	0.6-1.6	0.8-2.0	0.9-1.6	2R (1)	LEDs	300	0	•				•	•					A	3
Activ8X	K3519-2	15-110V DC	330A /60%	0.6-1.6	0.8-2.0	0.9-1.6	2R (1)	LEDs	200	0					•	•					A	3

(1) MAXTRAC Wire Drive System  
 (2) Two wire drive systems  
 0 – Option  
 W(O) – Water optional

SEMI AUTOMATIC WIRE FEEDERS



## POWER FEED® 42 & 46

Designed to work with digital power sources.

- Small, rugged and easy to handle feeders with bright digital meters.
- Utilises ArcLink® – the leading digital communication protocol for welding, making it the best choice for seamless, time critical integration with the power source.
- Four roll drive system with powerful motor.
- Hot/Soft start Crater Run and all standard features.
- Easy-to-understand user interface panels make it easy to set weld parameters.
- Remote control on the gun (PF-46).
- Push-pull capability for great performance on aluminium (PF-46).
- Equipped with wheels as standard.

### UNIT INCLUDES

- Drive rolls 1.0-1.2 mm Steel



Input

40 VDC

Output



5300

Product	Reference	Drive Roll	Cooling	Rated Output	Input Power	WFS Range (m/min)	Wire Size Range (mm)			Weight (kg)	Dimensions H x W x D (mm)
							Solid	Cored	Aluminium		
PF-42	K14107-1	4R	A/W	500A@60%	40V DC	1-22	0.8-1.6	1.0-1.6	1.0-1.6	18	460 x 300 x 640
PF-46	K14109-1									18.5	

**NEW**

## LF-52D & LF-56D

Designed to work with new Powertec-iS power sources.

- NEW features: Date&Calendar, Speaker and stronger encoders (LF56D).
- Small, rugged and easy to handle feeders with bright digital meters.
- Digital communication protocol for welding, making it the best choice for seamless, time critical integration with the power source.
- Perfect feedability, four roll drive system with powerful motor.
- Easy-to-understand user interface panels make it easy to set weld parameters.
- Optimised wire spool installation, inspection window and lifting eye.
- Equipped with wheels as standard.

### UNIT INCLUDES

- Drive roll 1.0-1.2 mm
- User manual on USB



Input

40 VDC

Output



5300

Product	Reference	Drive Roll	Cooling	Rated Output	Input Power	WFS Range (m/min)	Wire Size Range (mm)			Weight (kg)	Dimensions H x W x D (mm)
							Solid	Cored	Aluminium		
LF52D (Standard)	K14335-1	4R	A/W	500A@60%	40V DC	1.5-22	0.8-1.6	1.0-1.6	1.0-1.6	17	302 x 642 x 516
LF56D (Advanced)	K14336-1									17.7	

## POWER FEED® 22 & 26

Digital wire feeders with portable construction.

- Tough plastic case – polycarbonate, flame resistant case ensures a lightweight and compact design, allowing the device to be carried to remote or difficult to reach locations.
- Top class wire drive system – a new four roll driven wire feeding system is easily accessible, ensuring increased efficiency and providing reliability in feeding various types of wires (especially aluminium ones).
- Hardened and construction-ready – perfect for general fabrication, shipyards, on-site applications and long interconnection cables.
- Internal lighting – high intensity LED's illuminate the wire drive.
- User interface – LED's with bright, digital meters.

### UNIT INCLUDES

- Drive rolls 1.0-1.2 mm Steel
- Flowmeter



Input



Output



S300

SEMI AUTOMATIC WIRE FEEDERS

Product	Reference	Drive Roll	Cooling	Rated Output	Input Power	WFS Range (m/min)	Wire Size Range (mm)			Weight (kg)	Dimensions H x W x D (mm)
							Solid	Cored	Aluminium		
PF-22	K14110-1	4R	A/W	500A@60%	40V DC	1-22	0.8-1.6	0.9-1.6	1.0-2.4	14.8	380 x 220 x 590
PF-26	K14138-1									15.2	

## POWER FEED® 25M

Premium welding solution with a portable design!

- Built tough for rough environments. From construction to shipbuilding, this design will meet your expectations. Comes standard with durable, aluminium or plastic case.
- Internal lighting – high intensity LED's illuminate the wire drive.
- Internal heating maintains control of humidity of your consumable by keeping the package warm and protected in an enclosed case.
- Mode Select Panel (MSP4) allows easy access to the Power Wave® library of waveforms. Advanced controls and set-up options are only a fingertip away!
- Dual Procedure and Memory Buttons allow you to set up an A and B procedure to simplify "on-the-fly" switching!



Input



Output



S300

Product	Reference	Drive Roll	Cooling	Rated Output	Input Power	WFS Range (m/min)	Wire Size Range (mm)			Weight (kg)	Dimensions H x W x D (mm)
							Solid	Cored	Aluminium		
Power Feed® 25M (Aluminium case)	K2536-4	2R	A	500A@60%	40V DC	1.3-20.3	0.6-1.6	0.8-2.0	0.9-1.6	15.9	368 x 216 x 597
Power Feed® 25M (Plastic case)	K2536-5										

# POWER FEED® 84 SINGLE & DUAL

Single and dual bench/boom wire feeders.

- World-class arc performance on steel, stainless steel, aluminium and other materials.
- Waveform Control Technology® – featuring patented processes such as Pulse-On-Pulse® (for a TIG-like bead appearance) and Power Mode® (for a stable arc at low current levels).
- Utilises ArcLink® – the leading digital communication protocol for welding, making it the best choice for seamless, time critical integration with the power source.
- Pulsed MIG process – great for low spatter, low heat input and out-of-position applications – makes virtually any operator a better welder!
- Easy-to-understand user interface panel with large numeric displays makes it easy to set weld parameters.
- Push-pull capability for great performance on aluminium.

Input



Output



up to 27 kg

### UNIT INCLUDES

- Control cable assembly
- Drive roll, 1.2 mm V-Groove
- Drive roll, 1.6 mm V-Groove



SEMI-AUTOMATIC WIRE FEEDERS

Product	Reference	Drive Roll	Cooling	Rated Output	Input Power	WFS Range (m/min)	Wire Size Range (mm)			Weight (kg)	Dimensions H x W x D (mm)
							Solid	Cored	Aluminium		
Power Feed® 84 CE Single	K3329-1-P	4R	A/W	600A@60%	40V DC	2-30	0.6-2.4	0.8-2.8	0.9-2.4	25.8	450 x 430 x 770
Power Feed® 84 CE Dual, U/I, Heavy Duty Reel	K3331-1-P	4R (2)								43.2	450 x 590 x 850

(2) Two wire drive systems

Product	Reference	Digital meters	Graphic display	Synergic	Presetting	2T/4T Trigger	Cold feed / gas purge	Arc control / inductance	Start procedure	Crater procedure	Run-in	Burn-back	Preflow / postflow	Memory	Limits	USB	Locking function	Procedure A/B	Built-in flowmeter	Lighting in feeder cabinet	Push-Pull gun compatible
Power Feed® 42	K14107-1	•		•	•	•	•	•	•	•	•	•	•	•					option		
Power Feed® 46	K14109-1		• [3.5"]	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	option	•	•
Power Feed® 22	K14110-1	•		•	•	•	•	•	•	•	•	•	•	•					•	•	
Power Feed® 26	K14138-1		• [3.5"]	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Power Feed® 25M (Aluminium case)	K2536-4	•		•	•	•	•	•	•	•	•	•	•	•					•	•	•
Power Feed® 25M (Plastic case)	K2536-5	•		•	•	•	•	•	•	•	•	•	•	•					•	•	•
Power Feed® 84 CE Single	K3329-1-P	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•			•
Power Feed® 84 CE Dual	K3331-1-P	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•			•
LF-52D	K14335-1	•		•	•	•	•	•	•	•	•	•	•	•					option	•	
LF-56D	K14336-1		• [7"]	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	option	•	•

## LINC FEED 22M, 24M & 24M PRO

Small, robust, flexible & complete.

- Continuous control of wire feed speed.
- Trigger mode selection – for standard two-steps or interlocking four-steps.
- Gas purge – to strike the arc with full shielding.
- Burnback – preventing the wire sticking in the weld pool.
- Cold inch control – used to feed the wire into the torch.
- Delivered mounted on an undercarriage.

**UNIT INCLUDES**

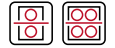
- Drive roll kit 1.0-1.2 mm



**Input**



**Output**



S300

SEMI AUTOMATIC WIRE FEEDERS

Product	Reference	Drive Roll	Cooling	Rated Output	Input Power	WFS Range (m/min)	Wire Size Range (mm)			Weight (kg)	Dimensions H x W x D (mm)
							Solid	Cored	Aluminium		
LF-22M	K14064-1	2R	A	500A / 60%	34-44V AC	1-20	0.8-1.6	1.0-1.6	1.0-1.6	15	440 x 275 x 636
LF-24M	K14065-1W	4R	A/W							17	
LF-24M PRO	K14066-1W										

## LINC FEED 33 & 33S

Small, robust, flexible & complete.

- Small, rugged and easy to handle feeder with bright, digital voltage and ammeter.
- All drives are equipped with an excellent wire drive system with four large drive rolls and a powerful motor.
- Electronic feedback system on the wire drive guarantees consistent wire feed speed.

**UNIT INCLUDES**

- Drive roll kit 1.0-1.2 mm



**Input**



**Output**



S200 S300

LF 33S LF 33

Product	Reference	Drive Roll	Cooling	Rated Output	Input Power	WFS Range (m/min)	Wire Size Range (mm)			Weight (kg)	Dimensions H x W x D (mm)
							Solid	Cored	Aluminium		
LF-33	K14030-1W	4R	A/W	500A/60%	34-44V AC	1-20	0.8-1.6	1.0-1.6	1.0-1.6	17	460 x 270 x 636
LF-33S	K14051-1									12	350 x 195 x 530

## LN-25 PRO & PRO DUAL

### Portable wire feeder.

- Performance – all models: two-step/trigger interlock provides comfort for long welds; sturdier and rugged spindle design with an incorporated brake.
- Performance – standard: analogue voltmeter with polarity indicator LED automatically adjusts to welding polarity.
- Performance – dual power model: digital meters for accurate monitoring, display shows wire feed speed or amperage and welding voltage.
- Reliability – lightweight, impact and flame resistant polycarbonate case design keeps the internal components protected. Potted and trayed PC board protects against moisture and corrosion. Reel locking mechanism eliminates spindle cross threading.
- Serviceability – the case can be replaced in under five minutes – eliminates downtime.

**Input**



**Output**



S300



SEMI-AUTOMATIC WIRE FEEDERS

Product	Reference	Drive Roll	Cooling	Rated Output	Input Power	WFS Range (m/min)	Wire Size Range (mm)			Weight (kg)	Dimensions H x W x D (mm)
							Solid	Cored	Aluminium		
LN 25 Pro	K2613-5	2R	A	450A@60%	15-110V DC	1.3-177	0.6-1.6	0.8-2.0	0.9-1.6	16	381 x 221 x 599
LN 25 Pro Dual	K2614-8				15-110V DC or 24-42V AC						

## LN-25X

### Full control with no control cables.

- Remotely controls preset voltage without a control cable.
- Trigger interlock switch facilitates long welds.
- Arc hour meter for tracking maintenance and productivity.
- Digital meters display voltage, current and wire feed speed.
- Industry-proven Maxtrac® Wire Drive System provides reliable feeding and easy changeovers.
- Fully encapsulated and environmentally protected electronics.
- Replaceable, flame resistant case can be installed in under five minutes.
- Crosslinc™ Technology.
- True Voltage Technology™ (TVT™) automatically compensates for voltage drops across long welding cables.

**Input**



**Output**



S300



#### UNIT INCLUDES

- Twist-Mate (Dinse) plug
- Flow meter integrated into feeder

Product	Reference	Drive Roll	Cooling	Rated Output	Input Power	WFS Range (m/min)	Wire Size Range (mm)			Weight (kg)	Dimensions H x W x D (mm)
							Solid	Cored	Aluminium		
LN-25X CE	K4267-4	2R	A	450A@60%	15-110V DC	1.3-177	0.6-1.6	0.8-2.0	0.9-1.6	17	376 x 221 x 589

## ACTIV8X™

Portable, semi automatic wire feeder.

- Impact resistant, flame retardant case provides rugged durability for tough conditions.
- Potted PC Boards for moisture and corrosion protection.
- Maxtrac® Wire Drive System – heavy-duty cast aluminium wire drive system provides reliable feeding and durability.
- Tachometer feedback ensures accurate wire feed speed.
- The lightest construction feeder on the market today.
- Accepts up to 203 mm diameter wire spools.
- CrossLinc Technology allows remote output control over the welding leads.
- No control cable needed!
- True Voltage Technology™ (TVT™) automatically compensates for voltage drops across long welding cables.

### UNIT INCLUDES

- Twist-Mate (Dinse) plug



Input



Output



5200

SEMI AUTOMATIC WIRE FEEDERS

Product	Reference	Drive Roll	Cooling	Rated Output	Input Power	WFS Range (m/min)	Wire Size Range (mm)			Weight (kg)	Dimensions H x W x D (mm)
							Solid	Cored	Aluminium		
Activ8X CE	K3519-2	2R	A	330A/60%	15-110 VDC	1.3-177	0.6-1.6	0.8-2.0	0.9-1.6	12.2	298 x 193 x 503

## FLEX FEED® 74 HT

High Performance.

- High torque bench feeder for industrial applications.
- Optional gouging stud with contactor control when not in use.
- 2-step/4-step trigger interlock enhances operator comfort for longer welds.
- Feed plate can be located on either right or left side of the weld drive housing for easy integration into any work center.

### UNIT INCLUDES

- Digital user interface
- 10 foot control cable
- Gun adapter kit, standard #4
- Heavy duty reel stand
- Lift bail
- Gouge kit



Input



Output



up to 27 kg

Product	Reference	Drive Roll	Cooling	Rated Output	Input Power	WFS Range (m/min)	Wire Size Range (mm)			Weight (kg)	Dimensions H x W x D (mm)
							Solid	Cored	Aluminium		
Flex Feed 74HT Simple U/I, Heavy Duty Reel	K3883-11	4R	A	600A@60%	24-42V AC	1.3-19	0.6-2.4	0.8-3.2	0.9-2.4	24.9	338 x 394 x 599 (†)
Flex Feed 74HT Digital U/I, Heavy Duty Reel	K3883-12									28.5	
Flex Feed 74HT Digital U/I, Heavy Duty Reel, Gouge kit	K3883-14									28.5	

(†) Wire drive only



## FLEX FEED® 84

An industrial wire feeder for high productivity in heavy fabrication applications.

- Four memory slots with limits and lockouts for process control.
- Designed especially for consistent feeding over long conduit runs and large diameter wires.
- Optional electrical isolation on the non-active drive and gun for added safety.
- Advanced MaxTrac® cast aluminium wire drive system features patented toolless drive roll and split wire guide design.
- Configurable for single, dual, bench or boom setups to match your workspace.

Input



Output



up to 27 kg



INDUSTRY LEADING  
**5-YEAR WARRANTY**

### UNIT INCLUDES

- User interface
- Heavy Duty wire reel stand
- Gun adapter kit, standard #2-#4
- Control cable K1797-10
- Inlet bushing K1551-2

SEMI-AUTOMATIC WIRE FEEDERS

Product	Reference	Drive Roll	Cooling	Rated Output	Input Power	WFS Range (m/min)	Wire Size Range (mm)			Weight (kg)	Dimensions H x W x D (mm)
							Solid	Cored	Aluminium		
Flex Feed 84 (Boom) No UI	K5000-1	4R	A	600A@60%	24-42V AC	1.3-20.3	0.6-2.4	0.8-3.2	0.9-2.4	16.3	419 x 394 x 711 (1)
Flex Feed 84 (Bench), Heavy Duty Reel	K5000-2									25.4	
Flex Feed 84 (Boom) One-Pack	K5000-11									28.1	
Flex Feed 84 Dual	K5002-2	4R (2)								45.8	419 x 572 x 777 (1)

(1) Wire drive only

(2) Two wire drive systems

Product	Reference	Digital meters	2T/4T trigger	Cold feed / gas purge	Burn-back	Run-in	Preflow / postflow	Start procedure	Crater procedure	Synergic	Spot welding	Procedure A/B/C/D	Built in flowmeter
Linc Feed 22M	K14064-1	option	•	•	•						•		
Linc Feed 24M	K14065-1W	•	•	•	•	•					•		
Linc Feed 24M Pro	K14066-1W	•	•	•	•	•	•			•			
Linc Feed 33	K14030-1W	•	•	•	•	•							
Linc Feed 33S	K14051-1	•	•	•	•	•							•
Flex Feed® 74HT	K3883-x	•	•	•	•		•						
Flex Feed® 84 Single	K5000-x	•	•	•	•	•	•	•	•		•	•	
Flex Feed® 84 Dual	K5002-x	•	•	•	•	•	•	•	•		•	•	
LN-25 Pro	K2613-5	•	•	•	option		option						
LN-25 Pro Dual	K2614-8	•	•	•	option		option						
LN-25X	K4267-4	•	•	•	•	•	•						•
Activ8X™	K3519-2	•	•	•	•	•	•						option

Product	Reference	Linc Feed 33	Linc Feed 33S	Linc Feed 22M	Linc Feed 24M	Linc Feed 24M Pro	Linc Feed 52D	Linc Feed 56D	Power Feed® 22	Power Feed® 26	Power Feed® 42	Power Feed® 46	Flex Feed 74HT	Flex Feed 84 Single	Flex Feed 84 Dual	Power Feed® 84 CE Single	Power Feed® 84 CE Dual	Power Feed® 25M (Aluminium case)	Power Feed® 25M (Plastic case)	LN-25 Pro	LN-25 Pro Dual	LN-25X	Activ8X	
<b>UNDERCARRIAGE</b>																								
Heavy duty four-wheeled undercarriage	K14032-1	●		●	●	●																		
Cart HD (Power Feed 4x)	K14127-1													●	●									
Cart HD (LF52D/56D and PF22/26)	K14350-1						●	●	●	●														
Inverter cart mounting kit (1xPF4x)	K14161-1										●	●												
Inverter cart mounting kit (2xPF4x)	K14161-2										●	●												
Cart mounting bracket kit	K4068-1												●	●	●	●	●							
Undercarriage four wheels	K163-1												●	●	●	●	●							
<b>ROLLS</b>																								
Drive roll kit (1 pcs / diameter 37 mm) *	KP14016-xx	● (7)		●	● (7)	● (7)						● (7)	● (7)											
Drive roll kit (2 pcs / diameter 37 mm) *	KP14017-xx	●			●	●						●	●											
Drive roll kit (2 pcs / diameter 37 mm) *	KP10344-xx		●																					
Drive roll kit (4 pcs / diameter 37 mm) *	KP14150-xx						●	●	●	●														
Drive roll kit for solid wire *	KP1696-x																	●	●	●	●	●	●	●
Drive roll kit for cored wire *	KP1697-x																	●	●	●	●	●	●	●
Drive roll kit for aluminium wire *	KP1695-x																	●	●	●	●	●	●	●
Drive roll kit for solid wire and cored wire *	KP1505-x												●	●	●	●	●							
Drive roll kit for aluminium wire *	KP1507-x												●	●	●	●	●							
<b>CABLES</b>																								
Interconnection cable Air cooled *	K10347-PG-xM	●	●	●	●	●																	● (1)	
Interconnection cable Water cooled *	K10347-PGW-xM	●	●	●	●	●																	● (1)	
Interconnection cable Air cooled *	K10349-PG-xM								●	●	●	●				●	●	●	●					
Interconnection cable Water cooled *	K10349-PGW-xM								●	●	●	●				●	●	●	●					
Interconnection cable Air cooled *	K14198-PG-xM						●	●																
Interconnection cable Water cooled *	K14199-PGW-xM						●	●																
Extension Welding Cable 70mm2 (5; 10; 15; 30 m) TM(M)-TM(F)	K14166-x (x=1, 2, 3, 4)								●	●			●	●	●	●	●	●	●	●	●	●	●	●
Extension Welding Cable 95mm2 (5; 10; 15; 30 m) TM(M)-TM(F)	K14167-x (x=1, 2, 3, 4)								●	●			●	●	●	●	●	●	●	●	●	●	●	●
1/0, 350A/60% Twist Mate to Twist Mate 25ft. (7.6 m)	K1841-25								●	●			●	●	●	●	●	●	●	●	●	●	●	●
2/0, 350A/60% Twist Mate to Twist Mate 50ft. (15.2 m)	K1841-50								●	●			●	●	●	●	●	●	●	●	●	●	●	●
Weld Power Cable 3m – Lug to Lug – 600A/60%	K1842-10												●	●	●	●	●	●	●	●	●	●	●	●
Weld Power Cable 10.6 m – Lug to Lug – 600A/60%	K1842-35												●	●	●	●	●	●	●	●	●	●	●	●
Weld Power Cable 18.3 m – Lug to Lug – 600A/60%	K1842-60												●	●	●	●	●	●	●	●	●	●	●	●
Weld Power Cable 33.5 m – Lug to Lug – 600A/60%	K1842-110												●	●	●	●	●	●	●	●	●	●	●	●
Coaxial Weld Power Cable 76 m – Lug to Lug – 350A 60%	K1796-25													●	●	●	●							
Coaxial Weld Power Cable 15.2 m – Lug to Lug – 350A 60%	K1796-50													●	●	●	●							
Coaxial Weld Power Cable 23 m – Lug to Lug – 350A 60%	K1796-75													●	●	●	●							
Coaxial Weld Power Cable 30.5 m – Lug to Lug – 350A 60%	K1796-100													●	●	●	●							
ArcLink Control Cable – Male 5-pin to Female 5-pin 2.4 m	K1543-8						●	●	●	●	●	●				●	●	●	●					
ArcLink Control Cable – Male 5-pin to Female 5-pin 4.9 m	K1543-16						●	●	●	●	●	●				●	●	●	●					
ArcLink Control Cable – Male 5-pin to Female 5-pin 7.6 m	K1543-25						●	●	●	●	●	●				●	●	●	●					
ArcLink Control Cable – Male 5-pin to Female 5-pin 15.2 m	K1543-50						●	●	●	●	●	●				●	●	●	●					
ArcLink Control Cable – Male 5-pin to Female 5-pin 30.4 m	K1543-100						●	●	●	●	●	●				●	●	●	●					
Analogue Control Cable – Male 14-pin to Female 14-pin 3.1 m	K1797-10												●	●	●								●	
Analogue Control Cable – Male 14-pin to Female 14-pin 7.6 m	K1797-25												●	●	●								●	
Analogue Control Cable – Male 14-pin to Female 14-pin 15.2 m	K1797-50												●	●	●								●	
Analogue Control Cable – Male 14-pin to Female 14-pin 30.4 m	K1797-100												●	●	●								●	

\* see OPTIONS chapter  
 (1) require K14095-1 adapter 8P-14P  
 (2) require K10376 (F) adapter  
 (3) require K10377 (M) adapter  
 (4) require K14120-1 kit  
 (5) require K2909-1 adapter  
 (6) require K14125-1 kit  
 (7) require 2pcs

Product	Reference	Linc Feed 33	Linc Feed 33S	Linc Feed 22M	Linc Feed 24M	Linc Feed 24M Pro	Linc Feed 52D	Linc Feed 56D	Power Feed® 22	Power Feed® 26	Power Feed® 42	Power Feed® 46	Flex Feed 74HT	Flex Feed 84 Single	Flex Feed 84 Dual	Power Feed® 84 CE Single	Power Feed® 84 CE Dual	Power Feed® 25M (Aluminium case)	Power Feed® 25M (Plastic case)	LN-25 Pro	LN-25 Pro Dual	LN-25X	Activ8X
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REMOTE CONTROL & USER INTERFACE

Remote control 15m (6PIN / 1POT)	K10095-1-15M									● (5)	● (5)					● (5)	● (5)	● (5)	● (5)				
Extension cable for remote control (6PIN) 15 m	K10398									●	●					●	●	●	●				
Remote control for LF33	K14034-1	●	●																				
Remote control MIG Yoystick 7 m	K14091-1							●		●	●					●	●	●	●				
Remote control RC-U7 Advanced	K14203-1						●	●															
Remote control 6PIN 76 m	K857									● (5)	● (5)					● (5)	● (5)	● (5)	● (5)				
Remote control 6PIN 30.4 m	K857-1									● (5)	● (5)					● (5)	● (5)	● (5)	● (5)				
Remote control 12PIN 76 m	K857-2									●	●					●	●	●	●				
Remote control 12PIN 30.4 m	K857-3									●	●					●	●	●	●				
User Interface U2	K14121-1								●	●	●	●											
User Interface U6	K14123-1								●	●	●	●											
Remote control RC-42	K14126-1								●		● (4)												



REMOTE CONTROL  
12PIN (30.4 M)  
K857-3



6-PIN/12-PIN  
ADAPTER  
K2909-1



FAST-MATE  
ADAPTER KIT  
K489-7



FAST-MATE  
ADAPTER  
K489-9



WATER  
CONNECTION KIT  
K590-6



ADAPTER TIG EURO  
KP10519-8



ADAPTER FOR  
WIRE SPOOL  
300 MM  
K10158



ADAPTER FOR  
WIRE SPOOL  
300 MM  
K10158-1



CART POWER FEED  
K14127-1

\* see OPTIONS chapter

(1) require K14095-1 adapter 8P-14P

(2) require K10376 (F) adapter

(3) require K10377 (M) adapter

(4) require K14120-1 kit

(5) require K2909-1 adapter

(6) require K14125-1 kit

(7) require 2pcs

SEMI AUTOMATIC  
WIRE FEEDERS

Product	Reference	Linc Feed 33	Linc Feed 33S	Linc Feed 22M	Linc Feed 24M	Linc Feed 24M Pro	Linc Feed 52D	Linc Feed 56D	Power Feed® 22	Power Feed® 26	Power Feed® 42	Power Feed® 46	Flex Feed 74HT	Flex Feed 84 Single	Flex Feed 84 Dual	Power Feed® 84 CE Single	Power Feed® 84 CE Dual	Power Feed® 25M (Aluminium case)	Power Feed® 25M (Plastic case)	LN-25 Pro	LN-25 Pro Dual	LN-25X	Activ8X
		OTHER OPTIONS																					
A/V meter kit	K14073-1			•																			
Adapter 8PIN to 14PIN	K14095-1																					•	
6PIN socket (F) kit	K14120-1										•												
Pendant box (12PIN / 7 m)	K14124-1								•	•	•	•											
Lifting eye kit	K14128-1										•	•											
Arclink-T Flex	K14131-1						•	•	•	•	•	•				•	•	•	•				
Adapter 5Pin(M)/12Pin(F)	K14132-1						•	•	•	•	•	•				•	•	•	•				
Arclink-T-Power	K14135-1								•	•	•	•				•	•	•	•				
Gas flow meter kit	K14175-1						•	•															
Wire feeder drum quick connector	K14204-1						•	•															
12PIN to 6PIN Adapter	K2909-1							•		•		•				•	•	•	•				
Fast-Mate EURO Adapter (10 Series Feeders)	K489-7																	•	•	•	•	•	•
Fast-Mate EURO Adapter (10 Series Feeders)	K489-9																	•	•	•	•	•	•
Fast-Mate EURO Adapter (Magnum)	K3349-1												•	•	•	•	•						
Gun receiver bushing for Lincoln Electric guns	K1500-1																	•	•	•	•	•	•
Gun receiver bushing for Tweco® #2-#4 guns	K1500-2																	•	•	•	•	•	•
Gun receiver bushing for Tweco® #5 guns	K1500-3																	•	•	•	•	•	•
Gun receiver bushing for OXO® guns	K1500-5																	•	•	•	•	•	•
Replacement case kit – polycarbonate	K2596-2																	•	•	•	•	•	•
Water connection kit	K590-6												•	•	•	•	•	•	•				
Preflow, postflow and burnback timer kit	K2330-2																			•	•	•	
Wire straightener	K1733-1												•	•	•	•	•						
Adapter TIG euro	KP10519-8								•	•	•	•				•	•	•	•				
Spool Cover 18 kg spools	K1634-4												•	•	•	•	•						
Lift Bail	K3341-1												•	•	•	•	•						
Standard Duty Wire Reel Stand 20 kg spools max.	K3342-1												•	•	•	•	•						
Incoming Bushing for Lincoln® Conduit, 0.6-1.6 mm wire	K1546-1												•	•	•	•	•						
Incoming Bushing for Lincoln® Conduit, 1.6-3.2 mm wire	K1546-2												•	•	•	•	•						
Shield Gas Flow Sensor	K3338-1															•	•						
Incoming Ball Bearing Bushing for Lincoln® Conduit	K1551-2													•	•								
Adapter for wire spool 200 mm	R-1019-125-1/08R	•	•	•	•	•	•	•	•	•	•	•						•	•	•	•	•	•
Adapter for wire spool 300 mm	K10158-1	•	•	•	•	•	•	•	•	•	•	•						•	•	•	•	•	•
Adapter for wire spool 300 mm	K10158	•	•	•	•	•	•	•	•	•	•	•						•	•	•	•	•	•
Adapter M14/Dinse (F)	K10376																						
Welding cable 3/5m with Electrode Holder 200A (x=3, 5)	E/H-200A-25-xM	•					•	•	•	•													
Welding cable 5/10m with Electrode Holder 300A (x=5, 10)	E/H-300A-50-xM	•					•	•	•	•													
Welding cable 5/10m with Electrode Holder 400A (x=5, 10)	E/H-400A-70-xM	•					•	•	•	•													

						
<b>GUN RECEIVER BUSHING FOR LINCOLN ELECTRIC GUNS</b> K1500-1	<b>GUN RECEIVER BUSHING FOR TWECO® #2-#4 GUNS</b> K1500-2	<b>GUN RECEIVER BUSHING FOR TWECO® #5 GUNS</b> K1500-3	<b>GUN RECEIVER BUSHING FOR OXO® GUNS</b> K1500-5	<b>REPLACEMENT CASE KIT – POLYCARBONATE</b> K2596-2	<b>PREFLOW, POSTFLOW AND BURNBACK TIMER KIT</b> K2330-2	<b>ELECTRODE HOLDER</b> E/H-200A-25-XM E/H-300A-50-XM E/H-400A-70-XM



# TIG WELDERS

## TIG WELDERS

MODEL	REFERENCE	INPUT		OUTPUT			PROCESS				FEATURES				
		Phase	Frequency (Hz)	Mode	Polarity	Current Range (A)	Stick	Lift TIG	TIG HF	TIG Pulse	PFC	Motor generator compatibility	Up/Down	Memory	Meters (A/V)
<b>TIG DC (1 phase)</b>															
Invertec® 175TP	K14169-1	1	50/60	CC	DC	5-175	•	•	•	•	•	•	•	•	•
Invertec® 220TPX	K12057-1	1	50/60	CC	DC	5-220	•	•	•	•	•	•	•	•	•
<b>TIG DC (3 phase)</b>															
Invertec® V270-T	K12023-1	3	50/60	CC	DC	5-270	•	•	•	•	•	•	•	•	•
Invertec® V270-TP	K12024-1	3	50/60	CC	DC	5-270	•	•	•	•	•	•	•	•	•
Invertec® 300TPX	K12060-1	3	50/60	CC	DC	5-300	•	•	•	•	•	•	•	•	•
Invertec® 400TPX	K12043-1	3	50/60	CC	DC	5-400	•	•	•	•	•	•	•	•	•
<b>TIG AC/DC (1 phase)</b>															
Aspect® 200	K14189-1	1	50/60	CC	AC/DC	2-200	•	•	•	•	•	•	•	•	•
<b>TIG AC/DC (3 phase)</b>															
Aspect® 300	K12058-1	3	50/60	CC	AC/DC	2-300	•	•	•	•	•	•	•	•	•



## INVERTEC® 175TP

Leading technology in TIG DC welding. User-friendly interface.

- Robust design – varnished PC boards.
- Improved generator compatibility: +/- 20% input voltage variation, PFC controller.
- Usable with great length of primary cable (up to 70 m in 2.5 mm<sup>2</sup> section).
- Decent welding in TIG HF and TIG Lift mode.
- Hot start function and anti-sticking device.
- Portable – light weight: only 10.2 kg.
- Reduced noise – "intelligent" cooling fan.
- Energy-saving – low current consumption.
- Simple control panel – easy setup, full control.
- Unlimited labour and parts 2 year warranty.
- Optional remote control.

### UNIT INCLUDES

- Input cable with schuko plug
- Gas connection kit



### Processes

Stick, Lift TIG, TIG HF, TIG Pulse

### Applications

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

### Input



### Output



Product	Reference	Voltage (V)	Input voltage tolerance	Frequency (Hz)	Output range (A)	Rated Output	Fuse Size (A) (slow)	Cooling (Air / Water)	Dimensions H x W x D (mm)	Weight (kg)	Protection / Insulation Class
Invertec® 175TP	K14169-1	230	+/- 20%	50/60	5-175	175A@25% 130A@100%	16	Air	210 x 330 x 480	10.2	IP23 / H

## INVERTEC® 220TPX

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

- Excellent arc performance – perfect HF ignition; stable, focused and fast arc for pulsed and non-pulsed arc.
- Simple control panel – easy setup, full control.
- Energy efficient – PFC circuit, high efficiency, green mode.
- Portable – Small, light weight.
- PFC, protection 16A, 100 m input cable, generator ready.
- Robust design – Potted PCBs, True HD design.
- 3 year warranty – for labour and parts.
- Optional remote control.
- Up/down function.
- PFC (Power Factor Correction) advantages: 30% more output current with the same input current, suitable for 115-230V [+15%-10%] single phase, low current consumption, energy-saving, low current harmonics and reduction of the total CO<sub>2</sub> produced by the welding process (220TPX).

### UNIT INCLUDES

- Input cable (2 m)
- Gas connection kit



### Processes

Stick, Lift TIG, TIG HF, TIG Pulse

### Applications

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

### Input



### Output



Product	Reference	Voltage (V)	Input voltage tolerance	Frequency (Hz)	Output range (A)	Rated Output	Fuse Size (A) (slow)	Cooling (Air / Water)	Dimensions H x W x D (mm)	Weight (kg)	Protection / Insulation Class
Invertec® 220TPX	K12057-1	115/230	+/- 15%	50/60	5-220	220A/18.8V/25% 150A/16V/100%	16	Air	328 x 212 x 465	13	IP23 / H

## INVERTEC® V270-T & TP

Designed and engineered for durability and reliability. Excellent arc characteristics for a wide range of applications.

- Generator compatible, ideal for site use.
- HF and Lift TIG ignition meeting all requirements.
- Fully functional, user-friendly control panel layout for easy setup of welding parameters.
- Built-in Fan-on-Demand (F.A.N.™) reduces power consumption and the intake of dust and fumes.
- Recessed controls and connections designed to eliminate damage.
- High-speed Pulse on the V270-T Pulse machine to adjust the arc focus, reduce distortion and increase travel speed.
- 2 year warranty – for labour and parts.
- Optional remote control.
- Water Coolers and Carts available.

### UNIT INCLUDES

- Input cable (2 m)
- Carrying strap
- Gas connection kit



### Processes

Stick, Lift TIG, TIG HF

### Applications

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

### Input



### Output



Product	Reference	Voltage (V)	Input voltage tolerance	Frequency (Hz)	Output range (A)	Rated Output	Fuse Size (A) (slow)	Cooling (Air / Water)	Dimensions H x W x D (mm)	Weight (kg)	Protection / Insulation Class
Invertec® V270-T	K12023-1	400	+/- 15%	50/60	5-270	270A/20.8V/35% 200A/18V/100%	20	Air / Water	385 x 215 x 480	15.2	IP23S / H
Invertec® V270-TP	K12024-1										

## INVERTEC® 300TPX & 400TPX

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

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

### UNIT INCLUDES

- Input cable (2 m)
- Gas connection kit



### Processes

Stick, Lift TIG, TIG HF, TIG pulse

### Applications

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

### Input



### Output



**Cellulosic**

Product	Reference	Voltage (V)	Input voltage tolerance	Frequency (Hz)	Output range (A)	Rated Output	Fuse Size (A) (slow)	Cooling (Air / Water)	Dimensions H x W x D (mm)	Weight (kg)	Protection / Insulation Class
Invertec® 300TPX	K12060-1	400	+/- 15%	50/60	5-300	300A/22V/40% 220A/18.8V/100%	20	Air / Water	349 x 247 x 502	22.1	IP23S / H
Invertec® 400TPX	K12043-1				5-400	400A/26V/35% 300A/22V/100%	30		455 x 301 x 632	37	



## ASPECT® 200

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

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

### UNIT INCLUDES

- Input cable (3 m)
- Gas connection kit



### Processes

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

### Applications

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

### Input



### Output



**Cellulosic**

Product	Reference	Primary Voltage [50-60 Hz]	Current Range [A]	Rated Output	Fuse Size [A] (slow)	Weight [kg]	Dimensions H x W x D (mm)	Protection Class
Aspect® 200	K14189-1	115/230V/1Ph +/- 15%	2-200	200A@35% 130A@100%	16A	23	419 x 246 x 506	IP23

## TIG AC/DC / THREE PHASE INVERTER WELDERS

## ASPECT® 300

For superior TIG performance.

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

### UNIT INCLUDES

- Input cable (3 m)
- Gas connection kit



### Processes

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

### Applications

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

### Input



### Output



**Cellulosic**

Product	Reference	Primary Voltage [50-60 Hz]	Current Range [A]	Rated Output	Fuse Size [A] (slow)	Weight [kg]	Dimensions H x W x D (mm)	Protection / Insulation Class
Aspect® 300	K12058-1	230/400V/3Ph	2-300	300A/22V/35% 200A/18V/100%	32/20	43	455 x 301 x 632	IP23 / H

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



PROTIG IIIS



PROTIG NGS



WTT2

■ air cooled  
■ water cooled

More details page 89

- Invertec® 175TP
- Invertec® 220TPX
- Invertec® V270-T
- Invertec® V270-TP
- Invertec® 300TPX
- Invertec® 400TPX
- Aspect® 200
- Aspect® 300

TIG PREMIUM TORCHES AIR

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

TIG PREMIUM TORCHES WATER

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

TIG TORCHES AIR

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

TIG TORCHES WATER

	4 m		8 m		•	•	•	•	•	•
	W000278898	W000278899	W000278896	W000278901						
WTT2 18W RL	W000278898	W000278899					•	•	•	•
WTT2 18W EB	W000278896	W000278901					•	•	•	•
WTT2 20W RL	W000278894	W000278905					•	•	•	•
WTT2 20W EB	W000278892	W000278909					•	•	•	•

## Tungsten electrodes

## WS 2-Rare Earths

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

## WLa 15-Lanthanum 1.5%

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

## WP-Pure Tungsten

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

## WLa20-Lanthanum 2%

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

## WCe-Cerium 2%

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

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Product	Reference	Invertec® 175TP	Invertec® 220TPX	Invertec® V270-T	Invertec® V270-TP	Invertec® 300TPX	Invertec® 400TPX	Aspect® 200	Aspect® 300
Freezcool – cooling liquid for torches (9.6 l)	W000010167			•	•	•	•	•	•
Cool Arc® 20	K12031-1			•	•				
Cool Arc® 21	K14103-1					•			
Cool Arc® 24	K14190-1							•	
Cool Arc® 46	K14105-1						•		•
Kit 25C50	W000260684	•	•					•	
Kit 35C50	W000011139			•	•	•			•
Kit 50C50	W000260681					•			•
Kit 50C50+	W000260682						•		
Electrode holder – 300A – 50 mm <sup>2</sup> – 5 m	E/H-300A-50-5M			•	•	•	•		•
Ground cable 200A – 35 mm <sup>2</sup> – 5 m	GRD-200A-35-5M	•	•					•	
Ground cable 300A – 50 mm <sup>2</sup> – 5 m	GRD-300A-50-5M			•	•	•			•
Ground cable 300A – 50 mm <sup>2</sup> – 10 m	GRD-300A-50-10M			•	•	•			•
Ground cable 400A – 70 mm <sup>2</sup> – 5 m	GRD-400A-70-5M						•		
Ground cable 400A – 70 mm <sup>2</sup> – 10 m	GRD-400A-70-10M						•		
Foot Amptrol™	K870	•	•	•	•	•	•	•	•
Remote control – hand 15 m	K14147-1	•	•	•	•	•	•	•	•
Extension for hand remote control – 15 m	K14148-1	•	•	•	•	•	•	•	•
Two-wheeled undercarriage	W0200002		•	•	•				
Four-wheeled Cart ST/TPX	K14114-1					•			
Tool box for Cart ST/TPX	K14115-1					•			
Cart TPX	K14129-1						•		•
Cart 24	K14191-1							•	
Universal Trolley	W000375730	•	•						

				
<b>COOL ARC®20</b> K12031-1	<b>COOL ARC®21</b> K14103-1	<b>COOL ARC®24</b> K14190-1	<b>COOL ARC®46</b> K14105-1	<b>FREEZCOOL</b> W000010167
				
<b>TWO-WHEELED UNDERCARRIAGE</b> W0200002	<b>CART 24</b> K14191-1	<b>UNIVERSAL TROLLEY</b> W000375730	<b>FOUR-WHEELED CART ST/TPX</b> K14114-1	<b>CART TPX</b> K14129-1
				
<b>CABLE KITS</b> W000011138 W000260683 W000260684 W000011139 W000260681 W000260682	<b>GROUND CABLE</b> GRD-200A-35-5M GRD-300A-50-5M GRD-300A-50-10M GRD-400A-70-5M GRD-400A-70-10M	<b>FOOT AMPTROL™</b> K870		



STICK WELDERS

## STICK WELDERS

MODEL	REFERENCE	INPUT		OUTPUT			PROCESS				FEATURES			
		Phase	Frequency (Hz)	Mode	Polarity	Current Range (A)	Stick	Lift TIG	TIG Scratch	Cellulosic capability	Gouging	Display	PFC	Warranty (years)
<b>Conventional</b>														
LINC 405-SA	K14002-1	3	50/60	CC	DC	15-400	•	•		•	•	•	•	3
LINC 635-SA	K14038-1	3	50/60	CC	DC	15-670	•	•		•	•	•	•	3
HOT ROD 500S	K14089-1	3	50/60	CC	DC	50-625	•		•	•	•	•	•	3
<b>Inverter</b>														
Invertec® 150S	K12034-1	1	50/60	CC	DC	10-140	•	•						2
Invertec® 150S Pack	K12034-1-P		50/60	CC	DC	10-140	•	•						
Invertec® 170S	K12035-1	1	50/60	CC	DC	10-160	•	•				•		2
Invertec® 170S Pack	K12035-1-P		50/60	CC	DC	10-160	•	•				•		2
Invertec® 161S	K14293-1	1	50/60	CC	DC	5-160	•	•		•		•	•	2
Invertec® 165S	K14171-1	1	50/60	CC	DC	5-160	•		•					2
Invertec® 165SX	K14170-1	1	50/60	CC	DC	10-160	•	•					•	3
Invertec® V270S	K12022-3	3	50/60	CC	DC	5-270	•	•		•		•		2
Invertec® 270SX	K12040-1	3	50/60	CC	DC	5-270	•	•				•		3
Invertec® 400SX	K12042-1	3	50/60	CC	DC	5-400	•	•			•	•		3

## LINC® 405-SA

The rugged and distinguished workhorses.

- Rugged, conventional welding rectifier with excellent arc characteristics.
- Capable of welding with Rutile, Basic and Cellulosic electrodes.
- Arc gouging capability.
- Easy to understand graphic control panels.
- Ready to be moved. Equipped with wheels, pull bar and two lifting hooks.
- Hot Start supporting excellent arc starting.
- Arc Force to prevent sticking of the electrode in the welding pool.
- Digital meters showing welding amperage.
- Built-in Fan-on-Demand (F.A.N.™) reduces power consumption and the intake of dust and fumes.
- Lift TIG DC capability.
- Cellulosic capability.

### UNIT INCLUDES

- Input cable (2 m)



### Processes

Stick, Gouging, Lift TIG

### Applications

- Pipeline construction
- Heavy industrial fabrication
- Plant construction
- Pressure vessels
- Nuclear power station
- Shipbuilding
- Hardfacing
- Process industry
- Arc-Air gouging

### Input



### Output



**Cellulosic**

Product	Reference	Primary Voltage [50-60 Hz]	Rated Output	Output Range [A]	Fuse Size [A] (slow)	Weight [kg]	Dimensions H x W x D [mm]	Protection Class
LINC® 405-SA (with Display)	K14002-1	230 / 400V / 3Ph	400A / 36V@35% 240A / 29V@100%	15-400	63 / 40	126	640 x 580 x 700	IP23 / H

## LINC® 635-SA

The rugged and distinguished workhorses.

- Rugged, conventional welding rectifier with excellent arc characteristics.
- Capable of welding with Rutile, Basic and Cellulosic electrodes.
- Arc gouging capability.
- Easy to understand graphic control panels.
- Ready to be moved. Equipped with wheels, pull bar and two lifting hooks.
- Hot Start supporting excellent arc starting.
- Arc Force to prevent sticking of the electrode in the welding pool.
- Digital meters showing welding amperage.
- Built-in Fan-on-Demand (F.A.N.™) reduces power consumption and the intake of dust and fumes.
- Lift TIG DC capability.
- Cellulosic capability.

### UNIT INCLUDES

- Input cable (2 m)



### Processes

Stick, Gouging, Lift TIG

### Applications

- Pipeline construction
- Heavy industrial fabrication
- Plant construction
- Pressure vessels
- Nuclear power station
- Shipbuilding
- Hardfacing
- Process industry
- Arc-Air gouging

### Input



### Output



**Cellulosic**

Product	Reference	Primary Voltage [50-60 Hz]	Rated Output	Output Range [A]	Fuse Size [A] (slow)	Weight [kg]	Dimensions H x W x D [mm]	Protection Class
LINC® 635-SA (with Display)	K14038-1	230 / 400V / 3Ph	670A / 44V@35% 400A / 36V@100%	15-670	100 / 63	150	670 x 580 x 700	IP23 / H

STICK WELDERS

## HOT ROD 500S

The tough and powerful professional welder.

- Excellent arc characteristics for a wide range of electrode types.
- Maximum output of 625A allows the use of electrodes up to 6.3 mm and air carbon gouging with 8mm electrodes.
- Desert rated operating temperature of up to 55°C.
- Stackable case design with built-in hook. Easy storage and handling.
- Submersion dipped transformer assembly and fully potted Power Circuit Board for added corrosion and moisture protection.
- Input voltage compensation for constant output.
- Thermostatic overload protection.
- Capable of welding with Rutile, Basic and Cellulosic electrodes.
- Cellulosic capability.

**UNIT INCLUDES**

- Input cable (5 m)



**Processes**

Stick, Gouging, TIG scratch

**Applications**

- Pipeline construction
- Very heavy industrial fabrication
- Plant construction
- Pressure vessels
- Nuclear power station
- Shipbuilding
- Hardfacing
- Tough industrial applications
- Arc-Air gouging

**Input**



**Output**



**Cellulosic**

Product	Reference	Primary Voltage (50-60Hz)	Rated Output	Output Range (A)	Fuse Size (A) (slow)	Weight (kg)	Dimensions H x W x D (mm)	Protection Class
HOT ROD 500S	K14089-1	380 / 415V / 3Ph	600A / 44V@35% 375A / 35V@100%	50-625	63	203	795 x 566 x 813	IP23 / H

## CONSISTENCY – the same control of the entire range

	LINC-405SA	LINC-635SA	HOT ROD 500S
	K14002-1	K14038-1	K14089-1
Hot Start Control (Potentiometer)	•	•	preset
Arc Force Control (Potentiometer)	•	•	•
A meter	•	•	optional kit
V meter	–	–	optional kit
Local/Remote Switch	•	•	•
Desert duty	–	–	•
Output Current Control Range Switch	–	–	•



LINC® 405-SA Control Panel



LINC® 635-SA Control Panel



HOT ROD 500S Control Panel

STICK WELDERS



## INVERTEC® 150S

Small, powerful and robust.

- Robust design – Unique rubber corners, metal housing and push control buttons to withstand tough environmental conditions.
- Premium arc – Advanced Lincoln technology and knowhow guarantee performance every time.
- Power Surplus – Additional power for superior arc control.
- Soft and Crisp mode – Selectable arc modes for different electrode types.
- Auto Adaptive Arc Force – For a stable arc with low spatter levels as standard.
- Built-in “Hot Start” for stable arc with lower spatter level.
- Long cables: primary power extension cables up to 60 m.
- Lift TIG with excellent striking without tungsten contamination.

### UNIT INCLUDES (K12034-1)

- Input cable (2 m)

### UNIT INCLUDES (K12034-1-P)

- Suitcase with cables
- Shield
- Brush



### Processes

Stick, Lift TIG

### Applications

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

### Input



### Output



Product	Reference	Primary Voltage [50-60 Hz]	Rated Output	Output Range [A]	Fuse Size [A] (slow)	Weight [kg]	Dimensions H x W x D (mm)	Protection Class
Invertec® 150S	K12034-1	230V / 1Ph	140A / 25.6V@25% 80A / 25.6V@100%	10-140	17	6.7	244 x 148 x 365	IP23 / F
Invertec® 150S Pack ready to weld	K12034-1-P							

## INVERTEC® 170S

Small, powerful and robust.

- Robust design – Unique rubber corners, metal housing and push control buttons to withstand tough environmental conditions.
- Premium arc – Advanced Lincoln technology and knowhow guarantee performance every time.
- Power Surplus – Additional power for superior arc control.
- Soft and Crisp mode – Selectable arc modes for different electrode types.
- Auto Adaptive Arc Force – For a stable arc with low spatter levels as standard.
- Built-in “Hot Start” for stable arc with lower spatter level.
- Long cables: primary power extension cables up to 60 m.
- Lift TIG with excellent striking without tungsten contamination.

### UNIT INCLUDES (K12035-1)

- Input cable (2 m)

### UNIT INCLUDES (K12035-1-P)

- Suitcase with cables
- Shield
- Hammer
- Brush



### Processes

Stick, Lift TIG

### Applications

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

### Input



### Output



Product	Reference	Primary Voltage [50-60 Hz]	Rated Output	Output Range [A]	Fuse Size [A] (slow)	Weight [kg]	Dimensions H x W x D (mm)	Protection Class
Invertec® 170S	K12035-1	230V / 1Ph	160A / 26.4V@20% 80A / 24.0V@ 100%	10-160	23	7	244 x 148 x 365	IP23 / F
Invertec® 170S Pack ready to weld	K12035-1-P							

## INVERTEC® 161S

Sturdy and versatile. Easy to use.

- Exceptional performance: high duty cycle at 40°C.
- Versatile welding with any coated electrodes rutile 6012, basic 7018, included CELLULOSIC 6010.
- Compatible with motor generator.
- VRD function (enabled by default) to increase safety when working in humid environment with electroshock risk.
- Easy to use Hot Start function to improve the arc striking and Arc Force function to avoid electrode sticking.
- Power Factor Correction PFC gives low current consumption, energy saving, low current harmonics and reduction of the total CO<sub>2</sub> produced by the welding process.
- TIG LIFT+ built-in function which allows the use of slope-up and slope-down functionality & TIG exit fuzzy method to extinguish the arc lifting the torch without to press the trigger button.
- Usable with long primary extension cable (up to 70 m in 2.5 mm<sup>2</sup> section).
- Cellulosic capability.

### UNIT INCLUDES

- Input cable (2 m)
- Remote control adapter



### Processes

Stick, Lift TIG

### Applications

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

### Input



### Output



Cellulosic

Product	Reference	Primary Voltage [50-60 Hz]	Rated Output	Output Range [A]	Open Circuit voltage [Vdc]	Fuse Size [A] (slow)	Weight [kg]	Dimensions H x W x D (mm)	Protection Class
Invertec® 161S	K14293-1	230V / 1Ph	130A/25.2V@100% 150A/26V@60% 160A/26.4V@50%	5-160	75 [14 VRD]	16	9	330 x 210 x 480	IP23

## INVERTEC® 165S & 165SX

Professional performance, industrial perfection.

- Exceptional performance: high duty cycle at 40 °C.
- Easy to use: Hot Start function to improve the arc striking and Arc Force function to avoid electrode sticking.
- Versatile: welding with any coated electrode (except cellulosic) and LIFT TIG (165SX).
- Compatible with motor generator.
- Power Factor Correction (PFC) for 165SX. PFC delivers: low current consumption, energy saving, low current harmonics and reduction of the total CO<sub>2</sub> produced by the welding process.
- Lightweight: less than 9 kg.
- Handy: thanks to the handy carrying strap.

### UNIT INCLUDES

- Input cable (2 m)



### Processes

Stick, TIG Scratch (165S), Lift TIG (165SX)

### Applications

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

### Input



### Output



Product	Reference	Primary Voltage [50-60 Hz]	Rated Output	Output Range [A]	Fuse Size [A] (slow)	Weight [kg]	Dimensions H x W x D (mm)	Protection Class
Invertec® 165S	K14171-1	230V / 1Ph	160A@20% / 160A@30% 100A@60% / 140A@60%	5-160 / 10-160	16	7	265 x 162 x 385	IP23
Invertec® 165SX	K14170-1							

## INVERTEC® V270 S 2V

Powerful portability, robust reliability.

- Smart switching 230 / 400V three phase.
- Excellent arc characteristics.
- Maximum output of 270 amps allows the use of electrodes up to 6.0 mm.
- Excellent rutile, basic and cellulosic stick welding performance.
- Adjustable "Arc Force" and "Hot Start" as standard.
- Fully featured and user-friendly control panel with digital display allows precise setting of welding current.
- Features "Lift TIG" with no tungsten contamination.
- Cellulosic capability.

### UNIT INCLUDES

- Input cable (2 m)
- Carrying strap



### Processes

Stick, Lift TIG DC

### Applications

- Pipeline
- Heavy fabrication
- Plant construction
- Pressure vessels
- Air-Arc gouging
- Nuclear power station
- Shipbuilding
- Hardfacing
- Process industry

### Input



### Output



**Cellulosic**

Product	Reference	Primary Voltage [50-60 Hz]	Rated Output	Output Range [A]	Fuse Size [A] (slow)	Weight [kg]	Dimensions H x W x D [mm]	Protection Class
Invertec® V270 S 2V	K12022-3	230 / 400V / 3Ph	270A / 30.8V@35% 200A / 28V@100%	5-270	35 / 20	13.5	385 x 215 x 480	IP23S / H

## INVERTEC® 270SX & 400SX

Professional welder built for tough working conditions.

- Robust, built for heavy environmental conditions.
- Fully featured and user friendly control panel with digital display allows precise setting of welding current.
- 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.
- Adjustable Hot Start and Arc Force allow a smooth start/restart of the electrode and prevent sticking of the electrode in the weld pool.
- Features "Lift TIG" with no tungsten contamination.
- Maximum output of 270A allows the use of 5.0 mm electrodes (Invertec® 270SX).
- Maximum output 400A allows the use of 6.3 mm electrodes (Invertec® 400SX).

### UNIT INCLUDES

- Input cable (2 m)



### Processes

Stick, TIG (270SX), Lift TIG (400SX), Gouging (400SX)

### Applications

- Heavy fabrication
- Plant construction
- Pressure vessels
- Nuclear power station
- Shipbuilding
- Hardfacing
- Process industry
- Arc-Air gouging (400SX)

### Input



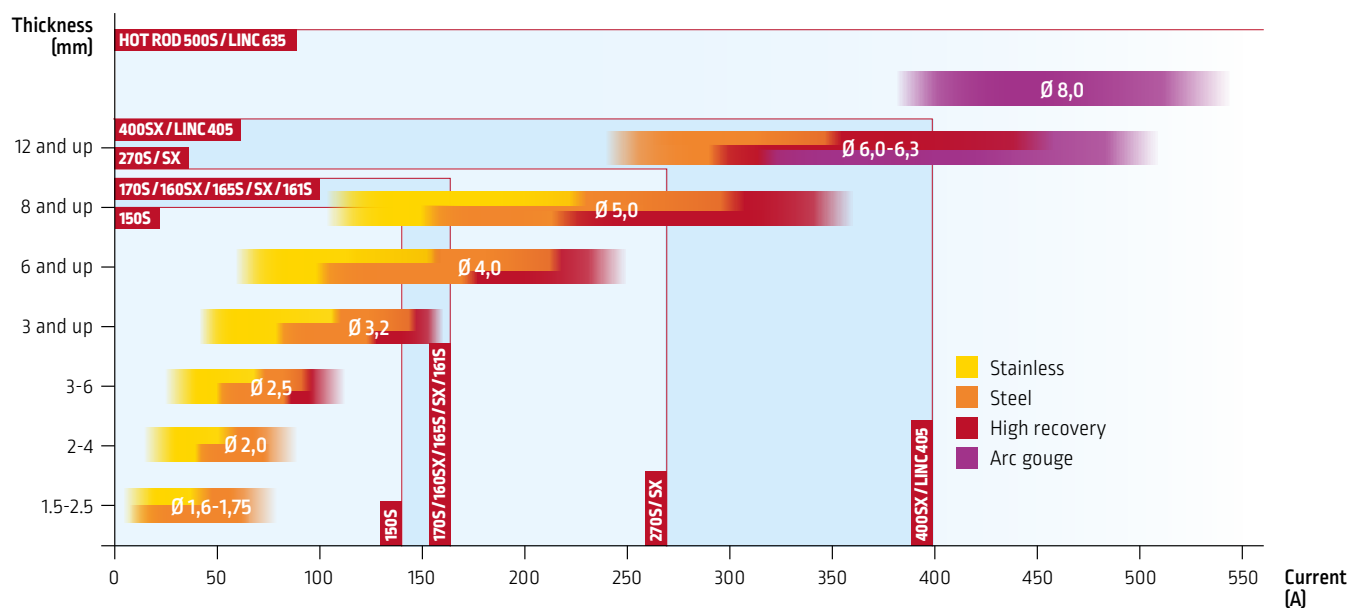
### Output



Product	Reference	Primary Voltage [50-60 Hz]	Rated Output	Output Range [A]	Fuse Size [A] (slow)	Weight [kg]	Dimensions H x W x D [mm]	Protection Class
Invertec® 270SX	K12040-1	400V / 3Ph	270A / 30.8V@35% 200A / 28V@100%	5-270	20	22	389 x 247 x 502	IP23 / H
Invertec® 400SX	K12042-1	400V / 3Ph	400A / 36V / 35% 300A / 32V / 100%	5-400	30	36	455 x 301 x 632	IP23 / H

STICK WELDERS

# PRODUCT APPLICATION CHART



## ACCESSORIES

Product	Reference	Invertec® 150S	Invertec® 170S	Invertec® 161S	Invertec® 165S	Invertec® 165SX	Invertec® V270 S 2V	Invertec® 270SX	Invertec® 400SX	LINC 405-SA	LINC 635-SA	HOT ROD 500S
Kit 25C25	W000011138	•	•		•	•						
Kit 25C50	W000260684			•								
Kit 35C50	W000011139			•			•	•				
Kit 50C50+	W000260682								•	•	•	•
TIG welding torch WTT2 17V – 135A – 4 m, valve, conn. 9 mm	W000278880	•	•		•	•						
TIG welding torch WTT2 17V – 135A – 4 m, valve, conn. 13 mm	W10529-17-4V			•			•	•	•	•	•	
Remote control, 15 m	K10095-1-15M			•			•	•	•	•	•	•
Extension cable for remote control box, 15 m	K10398			•			•	•	•	•	•	•
Two-wheeled undercarriage	W0200002						•	•				
Four-wheeled undercarriage	K2694-1								•			
Ground cable 400A – 70 mm <sup>2</sup> – 5 / 10 / 15 m	GRD-400A-70-xM									•	•	
Ground cable 600A – 95 mm <sup>2</sup> – 10 m	GRD-600A-95-10M											•
Electrode holder – 400A – 70 mm <sup>2</sup> – 5 / 10 m	E/H-400A-70-xM									•	•	•
Cable Extension	EXT-70-10M									•	•	
Flair® 600 / 1600 gouging torch	W000010136									•	•	
48V AC socket (1500W) kit	K14092-1											•
A/V meter kit	K14090-1											•
Adapter M14/Dinse (F)	K10376											•

STICK WELDERS

<b>TWO-WHEELED UNDERCARRIAGE</b> W0200002	<b>FOUR-WHEELED UNDERCARRIAGE</b> K2694-1	<b>CABLE KITS</b> W000011138 W000260683 W000260684 W000011139 W000260681 W000260682	<b>REMOTE CONTROL</b> K10095-1-15M	<b>GROUND CABLE</b> GRD-400A-70-XM GRD-600A-95-10M	<b>FLAIR® 600/1600</b> W000010136 W000010118	<b>TIG WELDING TORCH WTT2 17V</b> W000278880 W000278876 W10529-17-4V W000278885



PLASMA CUTTING

## PLASMA CUTTING RANGE

MODEL	REFERENCE	INPUT			OUTPUT				PROCESS			FEATURES		
		Phase	Primary voltage (Vac)	Frequency (Hz)	Mode	Polarity	Current Range (A)	Cutting capacity (mm)	Plasma cutting	Plasma gouging	Grid Mode	Compressor Integrated	Piercing capability	Remote kit
<b>1 phase</b>														
Invertec® PC-210	K12038-1	1	230	50/60	CC	DC	10-25	10	•			•		
<b>3 phase</b>														
Tomahawk® 1025	K12048-1	3	400	50/60	CC	DC	20-60	25	•	•	•		•	
Tomahawk® 1538	K12039-1	3	400	50/60	CC	DC	20-100	40	•	•	•		•	•



## INVERTEC® PC-210

Portable, flexible cutting power of up to 10 mm, powered from a standard 230V input supply, ideal for work on site.

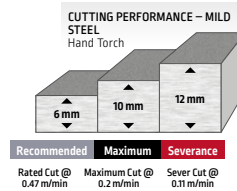
- Flexible: only 230 V input required.
- High performance: innovative, advanced electrode and nozzle design.
- Robust: long life compressor.
- Portable: only 18.5 kg, small and compact.
- Different materials: mild steel, stainless steel, aluminium and many more.
- Concentrated plasma stream: less heat input, less distortion.
- Internal compressor or external compressed air supply.

### UNIT INCLUDES

- 2 m input cable with 16A plug
- Mounted 3 m hand cutting torch
- Ground clamp and cable
- Air connection kit
- Cutting torch consumables kit

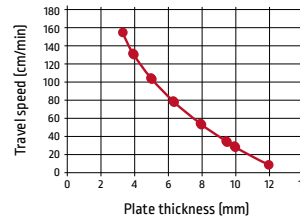


### PC-210



### PERFORMANCE

Comparison at 25A



● PC-210 external compressed air

### Processes

Plasma cutting

### Applications

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

### Input



### Output



Product	Reference	Primary Voltage (50-60 Hz)	Rated Output	Cutting Capacity (mm)	Flow Rate	Inlet Pressure	Output Range (A)	Weight (kg)	Dimensions H x W x D (mm)
Invertec® PC210	K12038-1	230V/1Ph	25A/90V/35% 20A/88V/60% 15A/86V/100%	10	80l/min+/- 20%@5.0bar	6.0 bar	10-25	18.5	385 x 215 x 480

## TOMAHAWK® 1025 & 1538

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

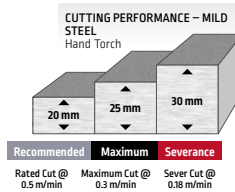
- Starting: innovative, advanced arc starting without HF.
- Performance: innovative, advanced electrode and nozzle design.
- Longer lifetime: innovative, advanced design increases lifetime of consumables.
- Faster: higher travel speeds and plate thickness.
- Flexible: multiple torch configurations.
- Different materials: mild steel, stainless steel, aluminium and many more.
- Concentrated plasma stream: less heat input, less distortion.
- Torch Connection – central connector, 9-pin.
- Step-less current control.
- Remote kit (optional) that allows the unit to receive an external ON-OFF trigger for mechanised processes (only for TH1538).

### UNIT INCLUDES

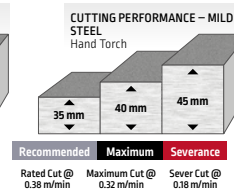
- 2 m input cable
- 75 m hand cutting torch
- Ground clamp and cable
- Air connection kit
- Cutting torch consumables kit



### TH1025

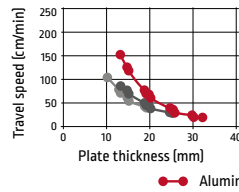


### TH1538

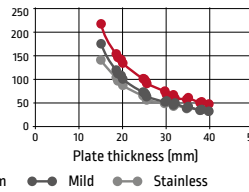


### PERFORMANCE

Tomahawk® 1025 with LC65 Comparison at 60A



Tomahawk® 1538 with LC105 Comparison at 100A



● Aluminium ● Mild ● Stainless

### Processes

Plasma cutting, Plasma gouging, Grid Mode

### Type of gas

- Compressed air
- Nitrogen

### Applications

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

### Input



### Output



Product	Reference	Primary Voltage (50-60 Hz)	Rated Output	Cutting Capacity (mm)	Piercing Capacity (mm)	Flow Rate	Inlet Pressure	Output Range (A)	Weight (kg)	Dimensions H x W x D (mm)
Tomahawk® 1025	K12048-1	400V/3Ph	60A/40% 40A/100%	25	Max. 12	130l/min+/- 20%@5.5 bar	6.0 bar	20-60	22	389 x 247 x 489
Tomahawk® 1538	K12039-1		100A/40% 60A/100%	40	Max. 20	280l/min+/- 20%@5.5 bar	7.0 bar	20-100	36	455 x 301 x 618

PLASMA TORCHES					Invertec® PC-210	Tomahawk® 1025	Tomahawk® 1538
	3 m	75 m	15 m				
LC25 (Hand)	PTH-C25A-SL-3MR	-	-	•			
LC65 (Hand)	-	PTH-061A-CX-7M5A	PTH-061A-CX-15MA		•		
LC65M (Machine)	-	PTM-061A-CX-7M5A	PTM-061A-CX-15MA		•		
LC105 (Hand)	-	PTH-101A-CX-7M5A	PTH-101A-CX-15MA			•	
LC105M (Machine)	-	PTM-101A-CX-7M5A	PTM-101A-CX-15MA			•	

LC 25 (HAND)



LC 65 (HAND)



LC 65M (MACHINE)



LC 105 (HAND)



LC 105M (MACHINE)



PLASMA-BOX LC25  
W03X0893-118A



PLASMA-BOX LC65  
W03X0893-113A



PLASMA-BOX LC105  
W03X0893-115A

More details page 99

ACCESSORIES					Invertec® PC-210	Tomahawk® 1025	Tomahawk® 1538
Air Filter LAF1250			W88X1456A	•	•	•	
Filter Cartridge			W8800117R	•	•	•	
Cutting circle			W0300699A	•	•	•	
Two-wheeled undercarriage			W0200002	•			
Four-wheeled undercarriage			K2694-1		•	•	
Remote control			K12049-1			•	
Remote control Kit			W05X1086A			•	
Bevel Tool			W03X0893-119A		•	•	



AIR FILTER LAF1250  
W88X1456A



CUTTING CIRCLES  
W0300699A



BEVEL TOOL  
W03X0893-119A



TWO-WHEELED  
UNDERCARRIAGE  
W0200002



FOUR-WHEELED  
UNDERCARRIAGE  
K2694-1





**ENGINE DRIVEN WELDERS**

## ENGINE DRIVEN WELDERS

MODEL	REFERENCE	INPUT		OUTPUT			ENGINE			FEATURES	
		Fuel	Current Range (A)	Rated Output	AC generator power	AC generator receptacles	Type of Engine	Cylinders	Operation speeds (rpm)	Weight (kg)	Dimensions H x W x D (mm)
Outback® 200	K14294-1	Gasoline	20-170	170A@60% 150A@100%	8.2 kW	2.1KVA/110V /19A 3.3KVA/230V /13.3A	Honda GX390 Stage V Compliant Gasoline 4-stroke 11.1 hp	1/389 cm <sup>3</sup>	Idle 3000 RPM	70	630 x 490 x 540
Vantage® 410 CE	K4178-1	Diesel	30-410	350A/32V/100% 410A/23V/100%	12.5 kW	115V/30A 1ph 230V/16A 1ph 400V/16A 3ph	Kubota V1505 Stage V	4	Full load: 1800 Low idle: 1350	488	913 x 642 x 1524



## OUTBACK® 200

Built for the outdoors! Great for service trucks, fence contractors, maintenance crews, farmers, ranchers and anyone who needs portable DC stick welding and AC generator power!

- Available welding current up to 200A.
- Engine power 8.2kW for 3.5kW of continuous single phase power to operate industrial tools or an additional inverter welder.
- A gasoline engine powered DC stick welding power source and 230 / 110 volt AC power generator. The engine drives a generator that supplies single phase power for the DC welding circuit and single phase power for the AC auxiliary outlets.
- DC Welding with up to 5.0 mm Electrode – Up to 170A of DC output for many applications.
- Lab tested, field proven ruggedness and durability.
- Engineered for outdoor use and harsh environments (IP23 Rated)
- Equipped with a smooth-running, industry-proven 11.1 hp Honda Gasoline.
- Meets the latest compliance standards for RoHS, CE, and Stage V emissions.
- Low noise operations at 97 dB.



### Processes

Stick

### Applications

- Structural
- Construction
- Maintenance and Repair
- Contractors
- Ranch/Farm

### Input



### Output



Auxiliary Welding

Stage V compliant

Product	Reference	Current Range (A)	Rated Output	Type of Engine	AC generator power	AC generator receptacles	Cylinders	Operation Speed	Weight (kg)	Dimensions H x W x D (mm)
Outback® 200	K14294-1	20-170	170A@60% 150A@100%	Honda GX390 Stage V Compliant Gasoline 4-stroke 11.1 hp	8.2 kW	2.1KVA/110V /19A 3.3KVA/230V /13.3A	1/389 cm <sup>3</sup>	3000 RPM	70	630 x 490 x 540

## VANTAGE® 410 CE

Multi-process capability for construction, pipeline and rental fleet applications.

- Compact case with stainless steel enclosure.
- Multi-Process Welding, separate Arc Gouge Mode.
- VRD (Voltage Reduction Device) in CC-stick welding mode for added safety.
- 4 cylinder 1800 RPM Kubota® diesel engines run smoothly and quietly.
- Low Noise: 97.0 dBA Lwa sound power – one of the quietest 400 amp engine-driven welders available. Upgraded to meet the latest stage.
- V Standards and RoHS Directive 2011/65.



### Processes

Stick, TIG, MIG, Flux-Cored, Gouging

### Applications

- Chemical Plant
- Construction
- Pipeline
- Repair
- Rental

### Input











### Output



Product	Reference	Current Range (A)	Rated Output	Type of Engine	AC generator power	AC generator receptacles	Cylinders	Operation Speeds (rpm)	Weight (kg)	Dimensions H x W x D (mm)
Vantage® 410 CE	K4178-1	30-410	350A/32V/100% 410A/23V/100%	Kubota V1505 Stage V	12.5 KW1ph	115V/30A 1ph 230V/16A 1ph 400V/16A 3ph	4	Full load: 1800 Low idle: 1350	488	913 x 642 x 1524

		Outback® 200	Vantage® 410 CE
Four-wheeled Steerable Yard Trailer	K2641-2		•
Two-wheeled Trailer	K2636-1		•
Ground cable 400A – 70 mm <sup>2</sup> – 5 / 10 / 15 m	GRD-400A-70-xM		•
Electrode holder, 400A – 70 mm <sup>2</sup> – 5 / 10 m	E/H-400A-70-xM		•
Adapter M14 / Dinse (F)	K10376		•
Remote control (15 m)	K10095-1-15M		•
Remote output control (7.6 m)	K857		•
Remote output control (30.4 m)	K857-1		•
Foot Amptrol®	K870		•
Accessory set 400A	K704		•
Kit handles	K14295-1	•	
Kit wheels	K14296-1	•	

					
<b>REMOTE CONTROL</b> K10095-1-15M	<b>FOOT AMPTROL™</b> K870	<b>REMOTE OUTPUT CONTROL</b> K857 K857-1	<b>GROUND CABLE</b> GRD-400A-70-XM	<b>FOUR-WHEELED STEERABLE YARD TRAILER</b> K2641-2	<b>TWO-WHEELED TRAILER</b> K2636-1
					
<b>KIT HANDLES</b> K14295-1	<b>KIT WHEELS</b> K14296-1				



EQUIPMENT OPTIONS

## COOLERS

## Cool Arc®20

K12031-1



## Cool Arc® 21

K14103-1



## Cool Arc®24

K14190-1



## Cool Arc® 46

K14105-1



## Cool Arc® 50

K14050-1



## Cool Wave™ 20S

K4713-1



## Cool Arc® 60

K14297-1



## Cool Arc® 40

K1813-1  
K2187-1

## Cool Arc® 25

K14037-1



## Cool Arc® 26

K14182-1



Product	Reference	Powertec® 425C PRO	Powertec® 365S	Powertec® 425S	Powertec® 505S	CV-425	CV-510	Powertec® i380C Advanced	Powertec® i450C Advanced	Powertec® i350S	Powertec® i420S	Powertec® i500S	Speedtec® 400SP	Speedtec® 500SP	PowerWave® S350 CE	PowerWave® S500 CE	PowerWave® S700 CE	Inverter® V270-T	Inverter® V270-TP	Inverter® 300TPX	Inverter® 400TPX	Aspect® 200	Aspect® 300
Cool Arc® 20	K12031-1																	•	•				
Cool Arc® 21	K14103-1																			•			
Cool Arc® 24	K14190-1																					•	
Cool Arc® 46	K14105-1																					•	•
Cool Arc® 50	K14050-1														•	•							
Cool Arc® 60	K14297-1												•	•									
Cool Arc® 26	K14182-1							•	•	•	•	•											
Cool Arc® 25	K14037-1	•	•	•	•	•	•																
Cool Wave™ 20S	K4713-1														•	•	•						

Product	Reference	Input Voltage	Plug	Flow sensor	Cooling Power @1l/min	Tank capacity (l)	Maximum pressure rate (Mpa)	Position	Weight (kg)	Dimensions H x W x D (mm)
Cool Arc® 21	K14103-1	400V* 50/60Hz 1Ph	Molex	•	0.75	3.6	0.4	Horizontal	18	276 x 246 x 540
Cool Arc® 24	K14190-1	390V DC*		•	0.87	2.3	0.43		18	
Cool Arc® 46	K14105-1	230V/400V* 50/60Hz 1Ph	9pin socket	•	1.0	6.0	0.4		22.7	255 x 300 x 700
Cool Arc® 50	K14050-1	230V/400V/440V* 50/60Hz 1Ph	Molex	•	1.15	9.2	0.4		21	265 x 355 x 700
Cool Arc® 60	K14297-1	230V/400V* 50/60Hz 1Ph		•	1.1	4.5	0.47	22	224 x 291 x 663	
Cool Arc® 26	K14182-1	230V/400V* 50/60Hz 1Ph	16A Schuko plug	•	0.84	4.0	0.47	Vertical	18	680 x 260 x 150
Cool Arc® 25	K14037-1	230V 50/60Hz 1Ph		–	1.05	8.5	0.4		17	748 x 238 x 248
Cool Arc® 40	K1813-1	115V 50/60Hz 1Ph	NEMA Type 5-15P	Option	1.7	7.57	0.41	Horizontal/ Vertical	21.1	863 x 229 x 229
	K2187-1	230V 50/60Hz 1Ph								
Cool Wave™ 20S	K4713-1	115V* 50/60Hz 1Ph	115V C14 Receptacle	•	2.0	9.0	0.41	Vertical	44	379 x 406 x 780

\* supplied by the welding power source

**TWO-WHEELED UNDERCARRIAGE**

W0200002



**UNIVERSAL TROLLEY**

W000375730



**CART TPX**

K14129-1



**CART PW S**

K14085-1



**CART 24**

K14191-1



**FOUR-WHEELED CART ST/TPX**

K14114-1



**INVERTER AND WIRE FEEDER CART**

K3059-4



**FOUR-WHEELED CART SPEEDTEC**

K14298-1



**CART POWER FEED**

K14127-1



**TWO WHEELED TRAILER**

K2636-1



**FOUR WHEELED STEERABLE YARD TRAILER**

K2641-2



Product	Reference	Speedtec® 180C	Speedtec® 200C	Speedtec® 320CP	Speedtec® 400SP	Speedtec® 500SP	Flextec 350X Construction	Flextec 350X Standard	Flextec 500X	Flextec 650X	Power Wave® 5350 CE	Power Wave® 5500 CE	Power Feed® 42	Power Feed® 46	Power Feed® 22/26	LF52D / LF56D	Invertec® V270-5	Invertec® 270SX	Invertec® 400SX	Invertec® 175TP	Invertec® 220TPX	Invertec® V270-T / TP	Invertec® 300TPX	Invertec® 400TPX	Aspect® 200	Aspect® 300	Invertec® PC-210	Vantage® 410 CE	
Two-wheeled undercarriage	W0200002																	•	•									•	
Universal trolley	W000375730																				•								
Cart TPX	K14129-1																												
Four-wheeled Cart ST/TPX	K14114-1	•	•																										
Tool box for Cart ST/TPX	K14115-1	•	•																										
Cart 24	K14191-1																												
Four-wheeled undercarriage Speedtec gen III	K14298-1					•	•																						
Four-wheeled undercarriage Speedtec	K14096-1					•																							
Cart Dual Speedtec	K14346-1					•	•																						
Inverter and Wire Feeder Cart	K3059-4							•	•	•	•	•																	
Cart PW S	K14085-1										•	•																	
Cart Power Feed	K14127-1													•	•														
Cart HD for feeders	K14350-1																						•	•					
Two Wheeled Trailer	K2636-1																												•
Four Wheeled Steerable Yard Trailer	K2641-2																												•

Product	Reference	Powertec® i250C Advanced	Powertec® i320C Advanced	Powertec® i380C Advanced	Powertec® i450C Advanced	Flextec 350X Construction	Flextec 350X Standard	Flextec 500X	Flextec 650X	Power Wave® C300 CE	Invertec® VZ70-5	Invertec® 270SX	Invertec® 400SX	Linc 405-SA	Linc 635-SA	Invertec® 175TP	Invertec® 220TPX	Invertec® VZ70-T / TP	Invertec® 300TPX	Invertec® 400TPX	Aspect® 200	Aspect® 300	Tomahawk® 1538	Vantage® 410 CE
Remote control 1pot 6pin (15 m)	K10095-1-15M	• (1)(2)	• (1)(2)	• (1)(2)	• (1)(2)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)
Remote control TIG HF (1pot) 6pin (15 m)	K10398	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Extension for K10095-1-15M (15 m)	K14147-1	• (1)(2)	• (1)(2)	• (1)(2)	• (1)(2)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)
Extension for K14147-1 (15 m)	K14148-1	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Remote control 2-switches 12pin (7 m)	K14091-1	• (2)	• (2)	• (2)	• (2)					•														
Remote control 6pin (7.6 m)	K857	• (1)(2)	• (1)(2)	• (1)(2)	• (1)(2)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)
Remote control 6pin (30.4 m)	K857-1	• (1)(2)	• (1)(2)	• (1)(2)	• (1)(2)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)
Remote control 12pin (7.6 m)	K857-2	• (2)	• (2)	• (2)	• (2)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)
Remote control 12pin (30.4 m)	K857-3	• (2)	• (2)	• (2)	• (2)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)
Foot amptrol 6pin (7.6 m)	K870					• (1)	• (1)	• (1)	• (1)							• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)
Foot amptrol 12pin (7.6 m)	K870-2					• (1)	• (1)	• (1)	• (1)							• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)
Hand amptrol 6pin (7.6 m)	K963-3					• (1)	• (1)	• (1)	• (1)															

(1) K2909-1 adapter required  
(2) K14172-1 kit required

Product	Reference	Linc Feed 33 / 33S	Power Feed® 46	Power Feed® 22	Power Feed® 26	Power Feed® 84 Single	Power Feed® 84 Dual	Power Feed® 25M	Linc Feed 56D
Remote control 1pot 6pin (15 m)	K10095-1-15M	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)
Remote control TIG HF (1pot) 6pin (15 m)	K10398	•	•	•	•	•	•	•	•
Extension for K10095-1-15M (15 m)	K14147-1	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)
Extension for K14147-1 (15 m)	K14148-1	•	•	•	•	•	•	•	•
Remote control 2-switches 12pin (7 m)	K14091-1	•	•	•	•	•	•	•	•
Remote control 2-pot 6pin (5 m)	K14126-1		•						
Remote control 6pin (5 m)	K14034-1	•							
Remote control 6pin (7.6 m)	K857	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)
Remote control 6pin (30.4 m)	K857-1	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)
Remote control 12pin (7.6 m)	K857-2	•	•	•	•	•	•	•	•
Remote control 12pin (30.4 m)	K857-3	•	•	•	•	•	•	•	•
Remote control RC-U7 Advanced	K14203-1								•

(1) K2909-1 adapter required

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



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



K870 Foot amptrol 6pin (7.6 m)  
K870-2 Foot amptrol 12pin (7.6 m)



K857 Remote control 6pin (7.6 m)  
K857-1 Remote control 6pin (30.4 m)  
K857-2 Remote control 12pin (7.6 m)  
K857-3 Remote control 12pin (30.4 m)



K963-3 Hand amptrol 6pin (7.6 m)  
Provides 7.6 m of remote current control for TIG welding. Compatible with power sources with 6-pin remote connection.







## OTHER ACCESSORIES

Product	Reference	Powertec® 305S / 355S / 425S / 505S CV425 / CV510	Powertec® i350S / i420S / i500S	Speedtec® 400SP / 500SP	Power Wave® 5350 / 5500	Power Wave® 5700	Flextec® 350X Construction	Flextec® 350X Standard	Flextec® 500X	Flextec® 650X	Linc Feed 22M / 24M / 24M PRO	Linc Feed 33 / 33s	Linc Feed 52D/56D	Power Feed® 42/46	Power Feed® 22/26	LN-25 Pro	LN-25 Pro Dual	ActiveX	LN-25X	Flex Feed® 74 HT	Flex Feed® 84	Power Feed® 25M	Power Feed® 84
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## WATER COOLED CONNECTION CABLE (TM-TM WELDING CABLE, WATER HOSES, GAS HOSE &amp; CONTROL CABLE)

Intermediate cable 1 m [95 mm <sup>2</sup> , 5Pin-5Pin]	K14199-PGW			●	●									●										
Intermediate cable 3 m [95 mm <sup>2</sup> , 5Pin-5Pin]	K14199-PGW-3M			●	●									●										
Intermediate cable 5 m [95 mm <sup>2</sup> , 5Pin-5Pin]	K14199-PGW-5M			●	●									●										
Intermediate cable 10 m [95 mm <sup>2</sup> , 5Pin-5Pin]	K14199-PGW-10M			●	●									●										
Intermediate cable 15 m [95 mm <sup>2</sup> , 5Pin-5Pin]	K14199-PGW-15M			●	●									●										
Intermediate cable 20m [95 mm <sup>2</sup> , 5Pin-5Pin]	K14199-PGW-20M			●	●									●										
Intermediate cable 25m [95 mm <sup>2</sup> , 5Pin-5Pin]	K14199-PGW-25M			●	●									●										
Intermediate cable 30m [95 mm <sup>2</sup> , 5Pin-5Pin]	K14199-PGW-30M			●	●									●										



## ANALOGUE CONTROL CABLES

Male 14-pin to Female 14-pin 3.1 m	K1797-10								●	●	●							●			●	●	
Male 14-pin to Female 14-pin 7.6 m	K1797-25								●	●	●							●			●	●	
Male 14-pin to Female 14-pin 15.2 m	K1797-50								●	●	●							●			●	●	
Male 14-pin to Female 14-pin 30.4 m	K1797-100								●	●	●							●			●	●	



## DIGITAL ARCLINK/LINC-NET CONTROL CABLES

Male 5-pin to Female 5-pin 2.4 m	K1543-8				●	●		●	●	●				●	●	●							●	●
Male 5-pin to Female 5-pin 4.9 m	K1543-16				●	●		●	●	●				●	●	●							●	●
Male 5-pin to Female 5-pin 7.6 m	K1543-25				●	●		●	●	●				●	●	●							●	●
Male 5-pin to Female 5-pin 15.2 m	K1543-50				●	●		●	●	●				●	●	●							●	●
Male 5-pin to Female 5-pin 30.4 m	K1543-100				●	●		●	●	●				●	●	●							●	●



## WELD POWER CABLES

3/0, 600A/60% Lug to Lug connection 3.1 m	K1842-10				● <sup>(1)</sup>	●		● <sup>(1)</sup>	● <sup>(1)</sup>	●	●							●	●	● <sup>(2)</sup>	● <sup>(2)</sup>	●	●	●
3/0, 600A/60% Lug to Lug connection 10.5 m	K1842-35				● <sup>(1)</sup>	●		● <sup>(1)</sup>	● <sup>(1)</sup>	●	●							●	●	● <sup>(2)</sup>	● <sup>(2)</sup>	●	●	●
3/0, 600A/60% Lug to Lug connection 18 m	K1842-60				● <sup>(1)</sup>	●		● <sup>(1)</sup>	● <sup>(1)</sup>	●	●							●	●	● <sup>(2)</sup>	● <sup>(2)</sup>	●	●	●
4/0, 600A/60% Lug to Lug connection 33.5 m	K1842-110				● <sup>(1)</sup>	●		● <sup>(1)</sup>	● <sup>(1)</sup>	●	●							●	●	● <sup>(2)</sup>	● <sup>(2)</sup>	●	●	●
1/0, 350A/60% Twist Mate to Twist Mate 7.6 m	K1841-25				●	● <sup>(2)</sup>	●	●	● <sup>(2)</sup>	● <sup>(2)</sup>				●	● <sup>(1)</sup>	● <sup>(1)</sup>	●	●	●	●	●	●	● <sup>(1)</sup>	●
2/0, 350A/60% Twist Mate to Twist Mate 15.2 m	K1841-50				●	● <sup>(2)</sup>	●	●	● <sup>(2)</sup>	● <sup>(2)</sup>				●	● <sup>(1)</sup>	● <sup>(1)</sup>	●	●	●	●	●	●	● <sup>(1)</sup>	●
Twist Mate to Twist Mate, 10 m, 70 mm <sup>2</sup>	K14166-1				●	● <sup>(2)</sup>	●	●	● <sup>(2)</sup>	● <sup>(2)</sup>				●	● <sup>(1)</sup>	● <sup>(1)</sup>	●	●	●	●	●	●	● <sup>(1)</sup>	●
Twist Mate to Twist Mate, 15 m, 70 mm <sup>2</sup>	K14166-2				●	● <sup>(2)</sup>	●	●	● <sup>(2)</sup>	● <sup>(2)</sup>				●	● <sup>(1)</sup>	● <sup>(1)</sup>	●	●	●	●	●	●	● <sup>(1)</sup>	●
Twist Mate to Twist Mate, 5 m, 70 mm <sup>2</sup>	K14166-3				●	● <sup>(2)</sup>	●	●	● <sup>(2)</sup>	● <sup>(2)</sup>				●	● <sup>(1)</sup>	● <sup>(1)</sup>	●	●	●	●	●	●	● <sup>(1)</sup>	●
Twist Mate to Twist Mate, 30 m, 70 mm <sup>2</sup>	K14166-4				●	● <sup>(2)</sup>	●	●	● <sup>(2)</sup>	● <sup>(2)</sup>				●	● <sup>(1)</sup>	● <sup>(1)</sup>	●	●	●	●	●	●	● <sup>(1)</sup>	●
Twist Mate to Twist Mate, 30 m, 95 mm <sup>2</sup>	K14167-1				●	● <sup>(2)</sup>	●	●	● <sup>(2)</sup>	● <sup>(2)</sup>				●	● <sup>(1)</sup>	● <sup>(1)</sup>	●	●	●	●	●	●	● <sup>(1)</sup>	●
Twist Mate to Twist Mate, 5 m, 95 mm <sup>2</sup>	K14167-2				●	● <sup>(2)</sup>	●	●	● <sup>(2)</sup>	● <sup>(2)</sup>				●	● <sup>(1)</sup>	● <sup>(1)</sup>	●	●	●	●	●	●	● <sup>(1)</sup>	●
Twist Mate to Twist Mate, 10 m, 95 mm <sup>2</sup>	K14167-3				●	● <sup>(2)</sup>	●	●	● <sup>(2)</sup>	● <sup>(2)</sup>				●	● <sup>(1)</sup>	● <sup>(1)</sup>	●	●	●	●	●	●	● <sup>(1)</sup>	●
Twist Mate to Twist Mate, 15 m, 95 mm <sup>2</sup>	K14167-4				●	● <sup>(2)</sup>	●	●	● <sup>(2)</sup>	● <sup>(2)</sup>				●	● <sup>(1)</sup>	● <sup>(1)</sup>	●	●	●	●	●	●	● <sup>(1)</sup>	●



## COAXIAL WELD POWER CABLES (recommended for STT)

350A/60% Lug to Lug connection 25ft. (7.6m)	K1796-25				● <sup>(1)</sup>	●		●	●														●	●
350A/60% Lug to Lug connection 50ft. (15.2m)	K1796-50				● <sup>(1)</sup>	●		●	●														●	●
300A/60% Lug to Lug connection 75ft. (22.8m)	K1796-75				● <sup>(1)</sup>	●		●	●														●	●
300A/60% Lug to Lug connection 100ft. (30.4m)	K1796-100				● <sup>(1)</sup>	●		●	●														●	●



(1) K10377 (M) adapter required

(2) K10376 (F) adapter required

Product	Reference	Handy MIG	Powertec® 161C/191C/231C/271C	Powertec® 255C	Powertec® 305C (2R)	Powertec® 305C (4R)	Powertec® 305C/395C/425C PRO	Weld Pak™ 2000	Powertec® 1250C/1320C/1380C/1450C	Speedtec® 180C/200C/215C	Speedtec® 320CP	Power Wave® C300	Linc Feed 22M	Linc Feed 24M/24M PRO	Linc Feed 33	Linc Feed 33S	Linc Feed 52D/56D	Power Feed® 42/46	Power Feed® 22/26	LN-25 Pro / LN-25 Pro Dual	Activ8X	LN-25X	Flex Feed® 74 HT	Flex Feed® 84	Power Feed® 25M	Power Feed® 84
Drive roll VK0.9-0.9	BP10100-1	•																								
Drive roll V0.6-VK0.9	BP10131-1	•																								

DRIVE ROLL KIT (2R) – KIT CONTAINS 1 ROLL Ø 37 mm

Solid wires:		Handy MIG	Powertec® 161C/191C/231C/271C	Powertec® 255C	Powertec® 305C (2R)	Powertec® 305C (4R)	Powertec® 305C/395C/425C PRO	Weld Pak™ 2000	Powertec® 1250C/1320C/1380C/1450C	Speedtec® 180C/200C/215C	Speedtec® 320CP	Power Wave® C300	Linc Feed 22M	Linc Feed 24M/24M PRO	Linc Feed 33	Linc Feed 33S	Linc Feed 52D/56D	Power Feed® 42/46	Power Feed® 22/26	LN-25 Pro / LN-25 Pro Dual	Activ8X	LN-25X	Flex Feed® 74 HT	Flex Feed® 84	Power Feed® 25M	Power Feed® 84
Drive roll V0.6-0.8 Ø37	KP14016-0.8	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Drive roll V0.8-1.0 Ø37	KP14016-1.0	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Drive roll V1.0-1.2 Ø37	KP14016-1.2	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cored wires:																										
Drive roll VK0.9-1.1 Ø37	KP14016-1.1R	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Drive roll VK1.2-1.6 Ø37	KP14016-1.6R	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aluminium wires:																										
Drive roll U1.0-1.2 Ø37	KP14016-1.2A	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•



DRIVE ROLL KIT (4R) – KIT CONTAINS 2 ROLLS Ø 37 mm

Solid wires:		Handy MIG	Powertec® 161C/191C/231C/271C	Powertec® 255C	Powertec® 305C (2R)	Powertec® 305C (4R)	Powertec® 305C/395C/425C PRO	Weld Pak™ 2000	Powertec® 1250C/1320C/1380C/1450C	Speedtec® 180C/200C/215C	Speedtec® 320CP	Power Wave® C300	Linc Feed 22M	Linc Feed 24M/24M PRO	Linc Feed 33	Linc Feed 33S	Linc Feed 52D/56D	Power Feed® 42/46	Power Feed® 22/26	LN-25 Pro / LN-25 Pro Dual	Activ8X	LN-25X	Flex Feed® 74 HT	Flex Feed® 84	Power Feed® 25M	Power Feed® 84
Drive rolls V0.6-0.8	KP14017-0.8				•	•			•				•	•				•								
Drive rolls V0.8-1.0	KP14017-1.0				•	•			•				•	•				•								
Drive rolls V1.0-1.2	KP14017-1.2				•	•			•				•	•				•								
Drive rolls V1.2-1.4	KP14017-1-4				•	•			•				•	•				•								
Roll V1.3-V1.4 – 2pcs	KP14017-V13/V14				•	•			•				•	•				•								
Drive rolls V1.2-1.6	KP14017-1.6				•	•			•				•	•				•								
Cored wires																										
Drive rolls VK0.9-1.1	KP14017-1.1R				•	•			•				•	•				•								
Drive rolls VK1.2-1.6	KP14017-1.6R				•	•			•				•	•				•								
Drive rolls VK1.6-2.4	KP14017-2.4R				•	•			•				•	•				•								
Aluminium wires																										
Drive rolls U1.0-1.2	KP14017-1.2A				•	•			•				•	•				•								
Drive rolls U1.2-1.6	KP14017-1.6A				•	•			•				•	•				•								



DRIVE ROLL KIT (4R) – KIT CONTAINS 2 ROLLS Ø 37 mm

Solid wires		Handy MIG	Powertec® 161C/191C/231C/271C	Powertec® 255C	Powertec® 305C (2R)	Powertec® 305C (4R)	Powertec® 305C/395C/425C PRO	Weld Pak™ 2000	Powertec® 1250C/1320C/1380C/1450C	Speedtec® 180C/200C/215C	Speedtec® 320CP	Power Wave® C300	Linc Feed 22M	Linc Feed 24M/24M PRO	Linc Feed 33	Linc Feed 33S	Linc Feed 52D/56D	Power Feed® 42/46	Power Feed® 22/26	LN-25 Pro / LN-25 Pro Dual	Activ8X	LN-25X	Flex Feed® 74 HT	Flex Feed® 84	Power Feed® 25M	Power Feed® 84
Drive rolls V0.6-0.8	KP10344-0.8																	•								
Drive rolls V0.8-1.0	KP10344-1.0																	•								
Drive rolls V1.0-1.2	KP10344-1.2																	•								
Drive rolls V1.2-1.6	KP10344-1.6																	•								
Cored wires																										
Drive rolls VK1.2-1.6	KP10344-1.6C																	•								
Drive rolls VK1.6-2.4	KP10344-2.4C																	•								
Aluminium wires																										
Drive rolls U1.0-1.2	KP10344-1.2A																	•								
Drive rolls U1.2-1.6	KP10344-1.6A																	•								



DRIVE ROLL KIT (4R/TWIN) – KIT CONTAINS 4 ROLLS Ø 37 mm AND WIRE GUIDES

Solid wires		Handy MIG	Powertec® 161C/191C/231C/271C	Powertec® 255C	Powertec® 305C (2R)	Powertec® 305C (4R)	Powertec® 305C/395C/425C PRO	Weld Pak™ 2000	Powertec® 1250C/1320C/1380C/1450C	Speedtec® 180C/200C/215C	Speedtec® 320CP	Power Wave® C300	Linc Feed 22M	Linc Feed 24M/24M PRO	Linc Feed 33	Linc Feed 33S	Linc Feed 52D/56D	Power Feed® 42/46	Power Feed® 22/26	LN-25 Pro / LN-25 Pro Dual	Activ8X	LN-25X	Flex Feed® 74 HT	Flex Feed® 84	Power Feed® 25M	Power Feed® 84
Roll kit 0.6/0.8VT F137 4 pcs Green/Blue	KP14150-V06/08								•									•	•							
Roll kit 0.8/1.0VT F137 4 pcs Blue/Red	KP14150-V08/10								•									•	•							
Roll kit 0.9/1.1VT F137 4 pcs	KP14150-V09/11								•									•	•							
Roll kit 1.0/1.2VT F137 4 pcs Red/Orange	KP14150-V10/12								•									•	•							
Roll kit 1.2/1.6VT F137 4 pcs Orange/Yellow	KP14150-V12/16								•									•	•							
Roll kit 1.4/2.0VT F137 4 pcs	KP14150-V14/20								•									•	•							
Roll kit 1.6/2.4VT F137 4 pcs Yellow/Grey	KP14150-V16/24								•									•	•							
Cored wires																										
Roll kit 0.9/1.1RT F137 4 pcs	KP14150-V09/11R								•									•	•							
Roll kit 1.0/1.2RT F137 4 pcs -/Orange	KP14150-V10/12R								•									•	•							
Roll kit 1.2/1.6RT F137 4 pcs Orange/Yellow	KP14150-V12/16R								•									•	•							
Roll kit 1.4/2.0RT F137 4 pcs	KP14150-V14/20R								•									•	•							



## DRIVE ROLLS

Product	Reference	Handy MIG	Powertec® 161C/191C/231C/271C	Powertec® 255C	Powertec® 305C (2R)	Powertec® 305C (4R)	Powertec® 305C/355C/425C PRO	Weld Pak™ 2000	Powertec® i250C/i320C/i380C/i450C	Speedtec® 180C/200C/215C	Speedtec® 320CP	Power Wave® C300	Linc Feed 22M	Linc Feed 24M/24M PRO	Linc Feed 33	Linc Feed 33S	Linc Feed 52D/56D	Power Feed® 42/46	Power Feed® 22/26	LN-25 Pro / LN-25 Pro Dual	Activ8X	LN-25X	Flex Feed® 74 HT	Flex Feed® 84	Power Feed® 25M	Power Feed® 84	
Roll kit 1.6/2.4RT FI37 4 pcs Yellow/Grey	KP14150-V16/24R								•										•	•							
<b>Aluminium wires</b>																											
Roll kit 0.6/0.8AT FI37 4 pcs Green/Blue	KP14150-U06/08A								•									•	•								
Roll kit 0.8/1.0AT FI37 4 pcs Blue/Red	KP14150-U08/10A								•									•	•								
Roll kit 1.0/1.2AT FI37 4 pcs Red/Orange	KP14150-U10/12A								•									•	•								
Roll kit 1.2/1.6AT FI37 4 pcs Orange/Yellow	KP14150-U12/16A								•									•	•								
Roll kit 1.6/2.4AT FI37 4 pcs Yellow/Grey	KP14150-U16/24A								•									•	•								

## DRIVE ROLL KIT (2R/MAXTRAC) – KIT CONTAINS 2 ROLLS AND WIRE GUIDE

<b>Solid wires</b>																											
Drive roll kit 0.6-0.8 mm	KP1696-030S											•								•	•	•				•	
Drive roll kit 0.9 mm	KP1696-035S											•								•	•	•				•	
Drive roll kit 1.1 mm	KP1696-045S											•								•	•	•				•	
Drive roll kit 1.3 mm	KP1696-052S											•								•	•	•				•	
Drive roll kit 1.6 mm	KP1696-1/16S											•								•	•	•				•	
Drive roll kit 0.9-1.2 mm	KP1696-1											•								•	•	•				•	
Drive roll kit 1.0 mm	KP1696-2											•								•	•	•				•	
<b>Cored wires</b>																											
Drive roll kit 0.8-0.9 mm	KP1697-035C											•								•	•	•				•	
Drive roll kit 1.0-1.2 mm	KP1697-045C											•								•	•	•				•	
Drive roll kit 1.3 mm	KP1697-052C											•								•	•	•				•	
Drive roll kit 1.8 mm	KP1697-068											•								•	•	•				•	
Drive roll kit 1.6 mm	KP1697-1/16C											•								•	•	•				•	
Drive roll kit 2.4 mm	KP1697-3/32											•								•	•	•				•	
Drive roll kit 2.0 mm	KP1697-5/64											•								•	•	•				•	
<b>Aluminium wires</b>																											
Drive roll kit 0.9 mm	KP1695-035A											•								•	•	•				•	
Drive roll kit 1.0 mm	KP1695-040A											•								•	•	•				•	
Drive roll kit 1.2 mm	KP1695-3/64A											•								•	•	•				•	
Drive roll kit 1.6 mm	KP1695-1/16A											•								•	•	•				•	



## DRIVE ROLL KIT (4R/HIGH TORQUE) – KIT CONTAINS 4 ROLLS AND WIRE GUIDES

<b>Solid wires</b>																											
Drive roll kit 0.6-0.8 mm	KP1505-030S																			•	•	•				•	
Drive roll kit 0.9 mm	KP1505-035S																			•	•	•				•	
Drive roll kit 1.0 mm	KP1505-040S																			•	•	•				•	
Drive roll kit 0.9-1.2 mm	KP1505-1																			•	•	•				•	
Drive roll kit 1.0-1.1 mm	KP1505-045S																			•	•	•				•	
Drive roll kit 1.3 mm	KP1505-052S																			•	•	•				•	
Drive roll kit 1.6 mm	KP1505-1/16S																			•	•	•				•	
<b>Cored and Solid wires</b>																											
Drive roll kit 0.8-0.9 mm	KP1505-035C																			•	•	•				•	
Drive roll kit 1.0-1.1 mm	KP1505-045C																			•	•	•				•	
Drive roll kit 1.3 mm	KP1505-052C																			•	•	•				•	
Drive roll kit 1.6 mm	KP1505-1/16C																			•	•	•				•	
Drive roll kit 2.8 mm	KP1505-7/64																			•	•	•				•	
Drive roll kit 2.8 mm, hardfacing	KP1505-7/64H																			•	•	•				•	
Drive roll kit 3.0 mm	KP1505-120																			•	•	•				•	
Drive roll kit 1.7-1.8 mm	KP1505-068																			•	•	•				•	
Drive roll kit 2.0 mm	KP1505-5/64																			•	•	•				•	
Drive roll kit 2.4 mm	KP1505-3/32																			•	•	•				•	
<b>Aluminium wires</b>																											
Drive roll kit 0.9 mm	KP1507-035A																			•	•	•				•	
Drive roll kit 1.0 mm	KP1507-040A																			•	•	•				•	
Drive roll kit 1.2 mm	KP1507-3/64A																			•	•	•				•	
Drive roll kit 1.6 mm	KP1507-1/16A																			•	•	•				•	
Drive roll kit 2.4 mm	KP1507-3/32A																			•	•	•				•	





MIG GUNS

# LGS2 TORCHES

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

MIG GUNS

Compliant with

**EN 60974-7**



Wear parts compatible with the most common standard in Europe.



Extra-flexible cable.



Ergonomic ball joint handle.

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

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

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

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

## Choose your gun

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

- air cooled
- water cooled

Series	Size	Rate	160A	180A	200A	230A	250A	270A	330A	350A	420A	500A
LGS2	150G	60%	[Red bar]									
	250G		[Red bar]									
	240G		[Red bar]									
	360G		[Red bar]									
	505W	100%	[Blue bar]									

## LGS2 150G

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

Material	Ø mm	Contact tip	
			Steel
Steel	0.8	W000010826	
	0.8	W000010830*	
	0.9	WP10441-09	
	1.0	W000010827	
	1.0	W000010831*	
	1.2	W000010828	
	1.2	W000010832*	
	Aluminium	0.8	WP10441-08A
		1.0	W000010850
		1.2	W000010851

**Contact tip holder**  
 W000277903

**Nozzle spring**  
 W000277448

LGS2 150G	Steel (Steel liner)	Steel or PTFE liner			
		Ø mm	3 m	4 m	5 m
LGS2 150G	Steel (Steel liner)	0.6	W000010730 (blue)	W000010731 (blue)	W000010732 (blue)
		0.8	W000010733 (red)	W000010734 (red)	W000010735 (red)
		0.9	W000010733 (red)	W000010734 (red)	W000010735 (red)
		1.0	W000010733 (red)	W000010734 (red)	W000010735 (red)

MIG GUNS

## LGS2 250G

Nozzle	
Con. D11	W000010791
Con. D15	W000010790
Cyl. D20	W000010792

Material	Ø mm	Contact tip	
			Steel
Steel	0.8	W000010826	
	0.8	W000010830*	
	0.9	WP10441-09	
	1.0	W000010827	
	1.0	W000010831*	
	1.2	W000010828	
	1.2	W000010832*	
	Aluminium	0.8	WP10441-08A
		1.0	W000010850
		1.2	W000010851

**Contact tip holder**  
 W000010720

**Nozzle spring**  
 W000277477

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

## LGS2 240G

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

Material	Ø mm	Contact tip	
			Steel
Steel	0.6	W000010820	
	0.8	W000010821	
	0.8	W000010824*	
	0.9	WP10440-09	
	1.0	W000010822	
	1.0	W000010825	
	1.2	WP10440-12	
	1.2	WP10440-12C*	
	Aluminium	0.8	WP10440-08A
		1.0	WP10440-10A
1.2		WP10440-12A	

**Contact tip holder**  
 WP10455-1

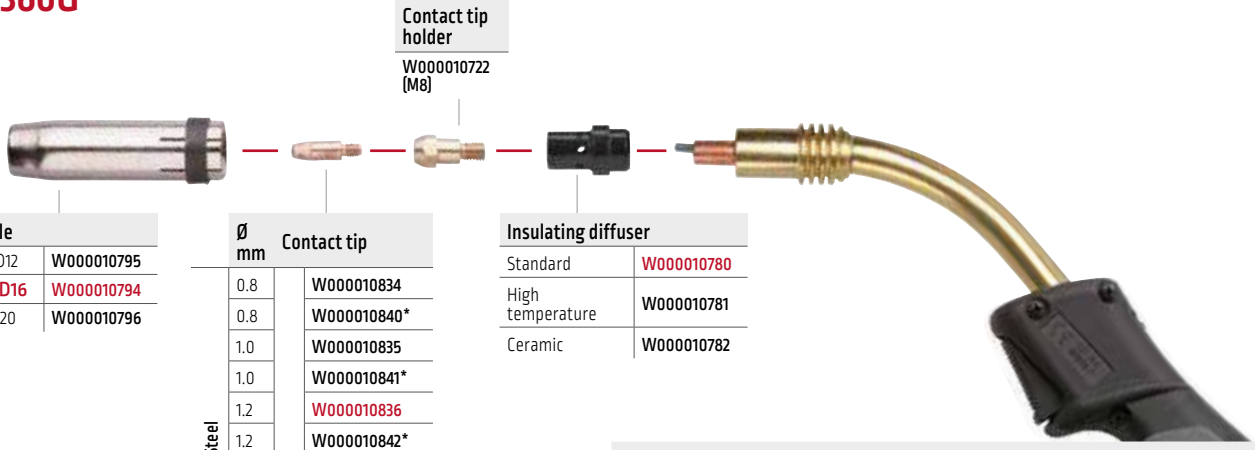
Insulating diffuser	
Standard	WP10404-STD
High temperature	WP10404-HT
Ceramic	WP10404-CR

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

Original equipment parts \* CuCrZr contact tips

# LGS2 360G

MIG GUNS



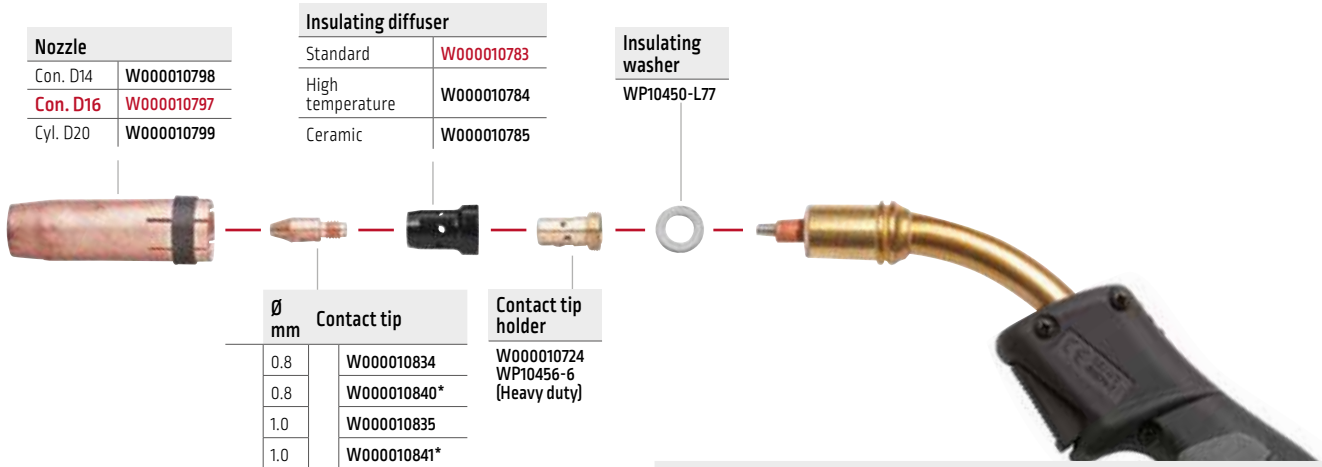
Nozzle	
Con. D12	W000010795
<b>Con. D16</b>	<b>W000010794</b>
Cyl. D20	W000010796

	Ø mm	Contact tip	
		Material	Part Number
Steel	M 8 x 30	0.8	W000010834
		0.8	W000010840*
		1.0	W000010835
		1.0	W000010841*
		1.2	<b>W000010836</b>
		1.2	W000010842*
		1.32	WP10445-132C*
		1.4	W000262703
		1.4	W000262704*
		1.6	W000010837
Aluminium		1.6	W000010843*
		0.8	WP10445-08A
		1.0	W000010853
		1.2	W000010854
		1.6	W000010855

Insulating diffuser	
Standard	W000010780
High temperature	W000010781
Ceramic	W000010782

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

# LGS2 505W



Nozzle	
Con. D14	W000010798
<b>Con. D16</b>	<b>W000010797</b>
Cyl. D20	W000010799

Insulating diffuser	
Standard	W000010783
High temperature	W000010784
Ceramic	W000010785

Insulating washer	
Part Number	WP10450-L77

	Ø mm	Contact tip	
		Material	Part Number
Steel	M 8 x 30	0.8	W000010834
		0.8	W000010840*
		1.0	W000010835
		1.0	W000010841*
		1.2	<b>W000010836</b>
		1.2	W000010842*
		1.32	WP10445-132C*
		1.4	W000262703
		1.4	W000262704*
		1.6	W000010837
Aluminium		1.6	W000010843*
		0.8	WP10445-08A
		1.0	W000010853
		1.2	W000010854
		1.6	W000010855

Contact tip holder	
Part Number	W000010724 WP10456-6 (Heavy duty)

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





LING...  
ELECTRIC

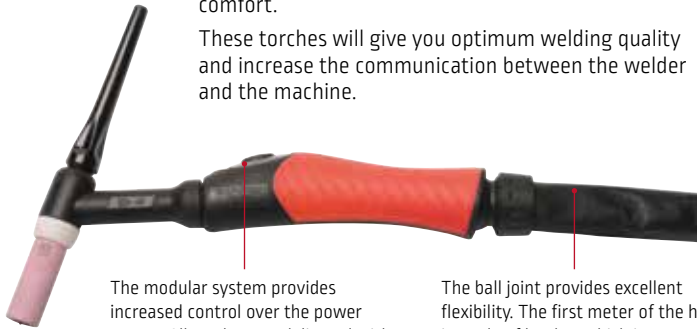
TIG TORCHES

## PROTIG NG S

The ergonomic handle with button (EB).

The best WELDLINE torches with advanced ergo-design using a coloured soft grip for maximum comfort.

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



The modular system provides increased control over the power source. All torches are delivered with a single button module.

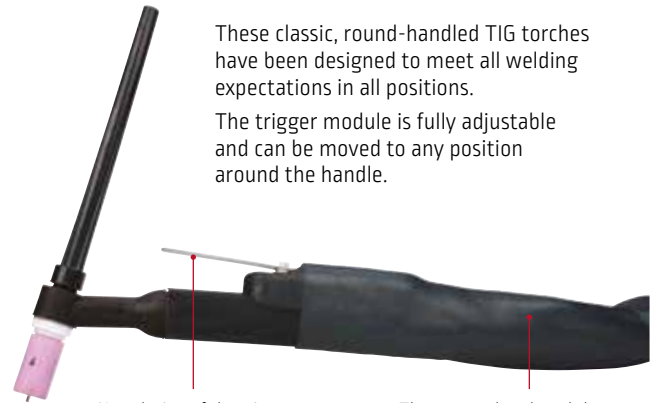
The ball joint provides excellent flexibility. The first meter of the harness is made of leather which increases the lifespan of the welding hose.

## PROTIG III S

The round handle with a blade trigger (RL).

These classic, round-handled TIG torches have been designed to meet all welding expectations in all positions.

The trigger module is fully adjustable and can be moved to any position around the handle.



New design of the trigger module with metal blade.

The woven sheath and the handle sleeve ensure full flexibility of the harness.

### AIR COOLED

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

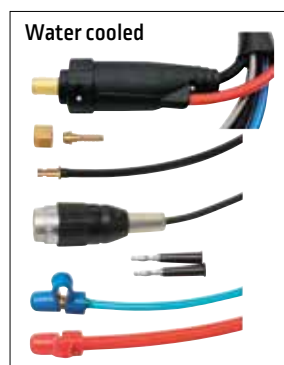
### WATER COOLED

MODEL		PROTIG 10W		PROTIG 35W		PROTIG 40W		
Duty cycle 100%		220 A		350 A		450 A		
Fitted as standard	back cap	long						
	nozzle	Ø 12.8 mm		Ø 15 mm		Ø 14 mm		
	electrode	Ø 2.4 mm		Ø 4.0 mm		Ø 4.8 mm		
Length		5 m	8 m	5 m	8 m	5 m	8 m	
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

## Connectors & adapters

### Connectors

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



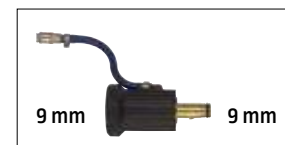
### Adapters

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

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



Disinse 9 to 13 mm **W000306139**



Disinse 13 to 9 mm **038055011**



# OPTIONS ON PROTIG NG S

## Adjustable heads

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



## Modular system

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

### Single button



### Other buttons



W000279370 [4.7 Kohm]	W000279246 [4.7 Kohm]	WP10529-2	W000279245
WP10529-3 [10 Kohm]	WP10529-4 [10 Kohm]		

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

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

- Air cooled body bent (10/20) W000279381
- Water cooled body bent (10W) W000279382
- Head PROTIG NG 10/10W W000279383
- Head PROTIG NG 20 W000279384

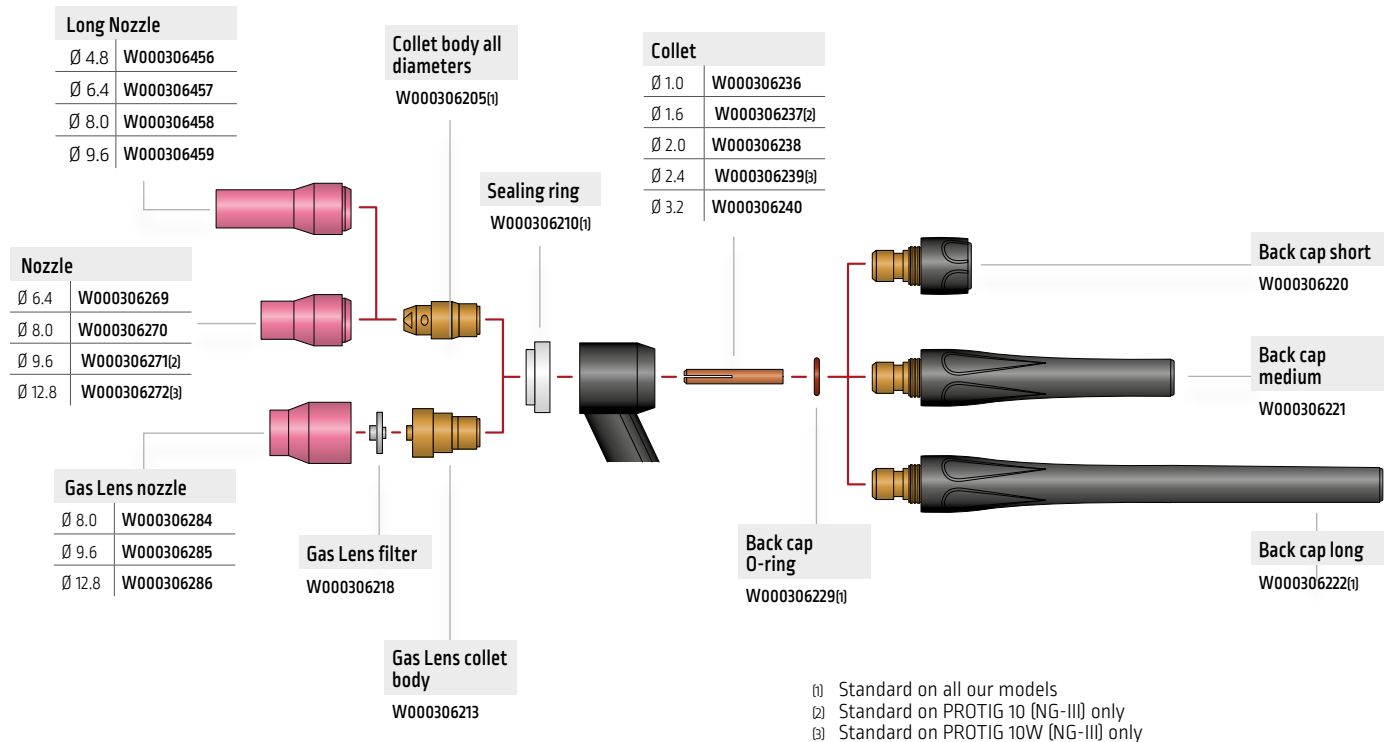
## Choose your module & your plug kit for Protig NG S

Button modules		or
Reference	WP10529-2	WP10529-4 (10 Kohm)   WP10529-3 (10 Kohm)
Plug kit	· No plug kit needed · Torch is connected to the machine through the C5B plug (5 pins)	 WP10529-9
Compatible with	· INVERTEC 220/300/400 TPX · ASPECT 200	· All Lincoln machines with pedal control

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

TIG TORCHES

## PROTIG 10 / 10W



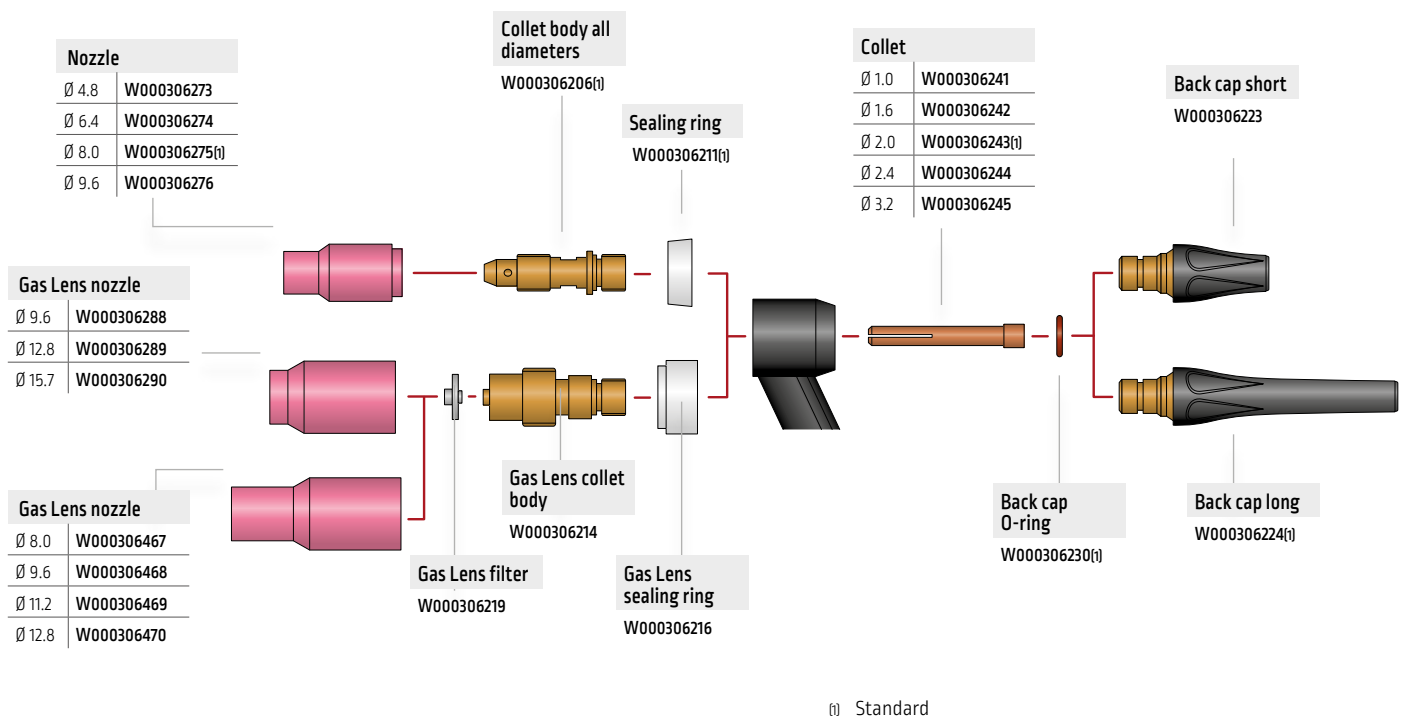
### Gas lens, for welding where access is difficult.

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

#### Nozzles : choice of diameter

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

## PROTIG 20



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

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

#### Nozzles : choice of diameter

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

## PROTIG 30

Nozzle	
Ø 6.4	W000306277
Ø 8.0	W000306278
Ø 9.6	W000306279
Ø 12.8	W000306280(t)
Ø 15.7	W000306281

Gas Lens nozzle	
Ø 6.4	W000306462
Ø 8.0	W000306463
Ø 9.6	W000306464
Ø 11.2	W000306465

Gas Lens nozzle	
Ø 8.0	W000306287
Ø 9.6	W000306288
Ø 12.8	W000306289
Ø 15.7	W000306290

Gas Lens long nozzle	
Ø 8.0	W000306467
Ø 9.6	W000306468
Ø 11.2	W000306469
Ø 12.8	W000306470

Collet	
Ø 1.0	W000306246
Ø 1.6	W000306247
Ø 2.0	W000306248
Ø 2.4	W000306249(t)
Ø 3.2	W000306250
Ø 4.0	W000306251

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

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

(t) Standard

#### Nozzles : choice of diameter

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

## PROTIG 35W / 40

Nozzle	
Ø 6.4	W000306277
Ø 8.0	W000306278
Ø 9.6	W000306279
Ø 12.8	W000306280(2)
Ø 15.7	W000306281(3)

Nozzle	
Ø 6.4	W000306462
Ø 8.0	W000306463
Ø 9.6	W000306464
Ø 11.2	W000306465

Gas Lens nozzle	
Ø 9.6	W000306288
Ø 12.8	W000306289
Ø 15.7	W000306290

Gas Lens long nozzle	
Ø 8.0	W000306467
Ø 9.6	W000306468
Ø 11.2	W000306469
Ø 12.8	W000306470

Collet	
Ø 1.6	W000306253
Ø 2.0	W000306254
Ø 2.4	W000306255(2)
Ø 3.2	W000306256(3)
Ø 4.0	W000306257

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

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

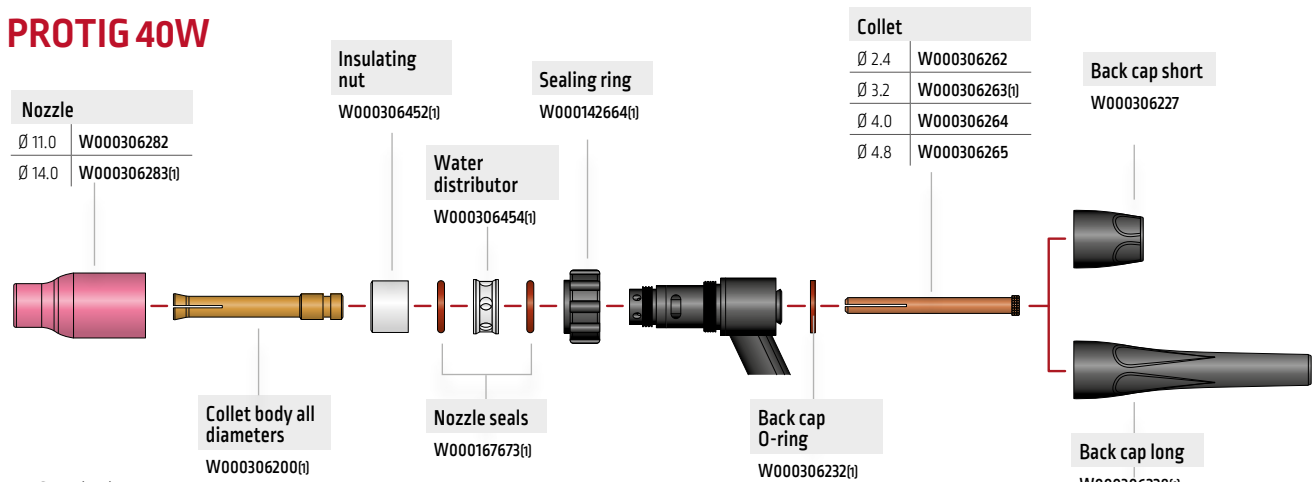
- (t) Standard on all our models
- (2) Standard on PROTIG 40 (NG-III) only
- (3) Standard on PROTIG 35W (NG-III) only

\* For the collet body « heavy duty », use the gas lens nozzles or the gas lens long nozzles

#### Nozzles : choice of diameter

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

# PROTIG 40W



(f) Standard

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

TIG TORCHES

## ACCESSORIES

### WEAR PART BOX PROTIG 10 / 10W

W000306441

Short back cap 8	
Medium back cap 8	
Long back cap 8	
Collet body Protig 10	
Collet Protig 10	1.0 mm
	1.6 mm
	2.0 mm
	2.4 mm
	3.2 mm
Std nozzle	6.4 mm
	8.0 mm
	9.6 mm
	12.8 mm

### WEAR PART BOX PROTIG 20

W000306442

Short back cap 10	
Long back cap 10	
Collet body Protig 20	
Collet Protig 20	1.0 mm
	1.6 mm
	2.0 mm
	2.4 mm
	3.2 mm
Std nozzle	6.4 mm
	8.0 mm
	9.6 mm
	12.8 mm

### WEAR PART BOX PROTIG 30

W000306443

Short back cap 10	
Long back cap 10	
Collet body Protig 30	
Collet Protig 30	1.0 mm
	1.6 mm
	2.0 mm
	2.4 mm
	3.2 mm
Std nozzle	4.0 mm
	6.4 mm
	8.0 mm
	9.6 mm
	12.8 mm
	15.7 mm

### WEAR PART BOX PROTIG 35W / 40

W000306444

Short back cap 40	
Long back cap 40	
Collet body 40	
Back cap o-ring (x2)	
Collet Protig 40	1.6 mm
	2.0 mm
	2.4 mm
	3.2 mm
	4.0 mm
Std nozzle	4.8 mm
	6.4 mm
	8.0 mm
	9.6 mm
	12.8 mm
	15.7 mm

### WEAR PART BOX PROTIG 40W

W000306445

Short back cap 40W	
Long back cap 40W	
Collet body	
Back Cap o-ring (x2)	
Elastic ring	
Nozzle seals (x2)	
Water distributor	
Insulating nut	
Collet Protig 40	2.4 mm
	3.2 mm
	4.0 mm
Nozzle	4.8 mm
	11.0 mm
	14.0 mm



**WEAR PART BOX  
PROTIG**  
W000306441  
W000306442  
W000306443  
W000306444  
W000306445



**EXTENSION CABLE  
AIR**  
W000306135



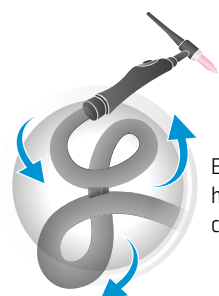
**EXTENSION CABLE  
WATER**  
W000306136



**ADAPTERS**  
W000306140  
W000306139  
W000306141  
038055011

# WTT2 TORCHES

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



Extra-flexible, high-performance cable.



Easy pivoting handle (for EB handles).



Standardised wear parts.



Handle – made with high temperature silicon rubber.

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

## Connections



C5B



S

## Connector:

Shaped cable output for improved robustness.



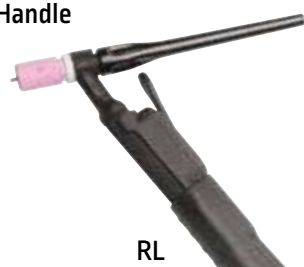
Air cooling



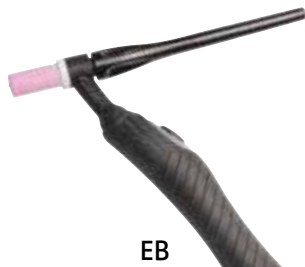
Water cooling

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

## Handle



RL



EB



V



EB-FLEX

# WTT2 TIG TORCHES WEAR PARTS

## Model WTT2 9/9V & 20 W

TIG TORCHES



**Back cap short**  
W000306398



**Back cap medium**  
W000306400



**Back cap long**  
W000306402 (1)



**Back cap O-ring**  
W000306404 (1)

Collet	
Ø 1.0	W000306406
Ø 1.6	W000306407 (2)
Ø 2.0	W000306408
Ø 2.4	W000306409 (3)
Ø 3.2	W000306410

**Sealing ring**  
W000306396 (1)



Collet body	
Ø 1.0	W000306376
Ø 1.6	W000306377 (2)
Ø 2.0	W000306378
Ø 2.4	W000306455 (3)
Ø 3.2	W000306379

Nozzle	
Ø 6.4	W000306417
Ø 8.0	W000306418
Ø 9.6	W000306419 (2)
Ø 11.2	W000306420
Ø 12.8	W000306421 (3)
Ø 16.0	W000306422

Long nozzle	
Ø 4.8	W000306456
Ø 6.4	W000306457
Ø 8.0	W000306458
Ø 9.6	W000306459

Gas Lens collet body	
Ø 1.0	W000306385
Ø 1.6	W000306386
Ø 2.0	W000306460
Ø 2.4	W000306387
Ø 3.2	W000306388

Gas Lens nozzle	
Ø 6.4	W000306429
Ø 9.6	W000306431
Ø 11.2	W000306432
Ø 12.8	W000306433

### Gas Lens

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



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

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

W000371535

Short back cap 9-20	
Medium back cap 9-20	
Long back cap 9-20	
Collet body	1.6 mm
	2.0 mm
	2.4 mm
	3.2 mm
Collet Protig 10	1.6 mm
	2.0 mm
	2.4 mm
Std nozzle	3.2 mm
	8.0 mm
	9.6 mm
	11.2 mm
	12.8 mm



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



# WTT2 TIG TORCHES WEAR PARTS

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



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

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

Sealing ring	
W000306397 (1)	

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

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

Back cap short	
W000306399	

Back cap O-ring	
W000306405 (1)	

Back cap long	
W000306403 (1)	

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

Gas Lens sealing ring	
W000306466	

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

Gas Lens nozzle	
Ø 6.4	W000306434
Ø 8.0	W000306435
Ø 9.6	W000306436
Ø 11.2	W000306437
Ø 12.8	W000306438

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

### Gas Lens

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



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

W000371536

Short back cap 17-18-26	
Long back cap 17-18-26	
Collet body	1.6 mm
	2.4 mm
	3.2 mm
	4.0 mm
Collet	1.6 mm
	2.4 mm
	3.2 mm
	4.0 mm
Std nozzle	9.6 mm
	11.2 mm
	12.8 mm
	16.0 mm



WEAR PART BOX  
WTT2 17 / 26 / 18W  
W000371536

# TUNGSTEN ELECTRODES

A complete range of tungsten electrodes.

Product advantages:

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



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

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

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

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

- Pure tungsten
- Tungsten + cerium
- ■ Tungsten + lanthanum
- Tungsten + rare earths

TUNGSTEN ELECTRODES

## WS 2-Rare Earths

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

## WLa 15-Lanthanum 1.5%

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

## WP-Pure Tungsten

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

## WLa20-Lanthanum 2%

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

## WCe-Cerium 2%

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



# PLASMA TORCHES

		AIR COOLING				
		LC 25 (Hand)	LC 65 (Hand)	LC 105 (Hand)	LC 65 (Machine)	LC 105 (Machine)
Flow rate		96 l/min@5.0 bar	130 l/min@5.0 bar	280 l/min@5.5 bar	130 l/min@5.0 bar	280 l/min@5.5 bar
Duty Cycle		25A@60%	60A@60%	100A@60%	60A@60%	100A@60%
Thickness (mm)	mild steel	10	25	40	25	40
	severance	12	30	45	30	45

	LC 25	LC 65	LC 105	LC 65	LC 105
	Hand			Machine	
3 m	PTH-C25A-SL-3MR	-	-	-	-
7.5 m	-	PTH-061A-CX-7M5A	PTH-101A-CX-7M5A	PTM-061A-CX-7M5A	PTM-101A-CX-7M5A
15 m	-	PTH-061A-CX-15MA	PTH-101A-CX-15MA	PTM-061A-CX-15MA	PTM-101A-CX-15MA

### LC 25 (Hand)

# 10/12 mm



**Electrode**  
W03X0893-75A

**Gas distributor**  
W03X0893-5R

**Tip**  
W03X0893-76A (25A)

**Shield cup body**  
W03X0893-77A

**Spacer**  
W03X0893-78R



PLASMA TORCHES

### LC 65 (Hand)

# 25/30 mm



**Tip**  
W03X0893-26A (40A)  
[contact]

**Retaining cap**  
W03X0893-41A

**Gas distributor**  
W03X0893-50R

**Tip**  
W03X0893-27A (40A)  
W03X0893-28A (50A)  
W03X0893-29A (60A)  
[stand off]

**Shield cup body**  
W03X0893-43A

**Spacer**  
W03X0893-14R

**Electrode**  
W03X0893-25A  
[contact, stand off, shielded & gouging]

**Tip**  
W03X0893-33A (50A)  
W03X0893-34A (60A)  
[shielded]

**Shield cup body**  
W03X0893-43A

**Shield cap**  
W03X0893-44A

**Electrode**  
W03X0893-53A  
[extended]

**Tip**  
W03X0893-39A  
[gouging]

**Shield cup body**  
W03X0893-43A

**Shield cap**  
W03X0893-48A

**Tip**  
W03X0893-40A (40A)  
W03X0893-54A (60A)  
[extended]

**Shield cap**  
W03X0893-21A

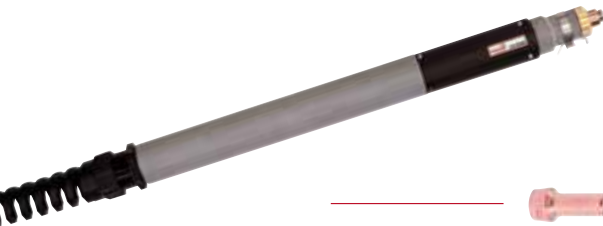
**STAND OFF**

**SHIELDED**

**GOUGING**

**EXTENDED**

LC 65 (Machine)



25/30 mm



Electrode  
W03X0893-25A



Gas distributor  
W03X0893-50R



Tip  
W03X0893-52A (40A)  
W03X0893-33A (50A)  
W03X0893-34A (60A)



Shield cup body  
W03X0893-43A



Shield cap  
W03X0893-46A

SHIELDED

LC 105 (Hand)



40/45 mm

Electrode  
W03X0893-60A  
[shielded & gouging]



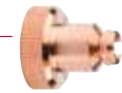
Gas distributor  
W03X0893-70R



Tip  
W03X0893-61A (40A)  
W03X0893-62A (60A)  
W03X0893-63A (80A)  
W03X0893-64A (100A)  
[shielded]



Shield cup body  
W03X0893-66A



Shield cap  
W03X0893-67A

SHIELDED

Electrode  
W03X0893-57A  
[extended]



Tip  
W03X0893-65A  
[gouging]



Shield cap  
W03X0893-69A

GOUGING

Tip  
W03X0893-58A (40A)  
W03X0893-59A (60A)  
W03X0893-72A (80A)  
W03X0893-73A (100A)  
[extended]



Shield cap  
W03X0893-74A

EXTENDED

LC 105 (Machine)



40/45 mm



Electrode  
W03X0893-101A



Gas distributor  
W03X0893-102A (40-80A)  
W03X0893-103A (100A)



Tip  
W03X0893-104A (40A)  
W03X0893-105A (60A)  
W03X0893-106A (80A)  
W03X0893-107A (100A)



Shield cup body  
W03X0893-66A  
W03X0893-112A (OHMIC)



Shield cap  
W03X0893-110A (40-80A)  
W03X0893-111A (100A)

SHIELDED



## AIR FILTER LAF1250

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

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



### Reference

Air filter LAF1250	W88X1456A
Filter cartridge	W8800117R

## BEVEL TOOL



## CUTTING ATTACHMENT FOR LC25/65/105



PLASMA TORCHES



**BEVEL TOOL**  
W03X0893-119A



**CUTTING CIRCLES**  
(max diam. 820 mm)  
W0300699A



EDUCATION SOLUTIONS

LINCOLN  
ELECTRIC

EDUCATION SOLUTIONS

MODEL	REFERENCE	INPUT			PROCESS					JOINT CONFIGURATIONS				POSITIONS						STAND							
		Phase	Frequency (Hz)	Voltage	SMAW	GTAW	GMAW	FCAW-GS	FCAW-SS	Flat Plate	Tee Joint	Groove Joint	6 in. Diameter Schedule 40 Pipe	2 in. Diameter XXS Pipe	1G	2F	2G	3F	3G	4F	4G	5G	5F (Pipe on Plate)	6G	All Positions	Tabletop	
Welding Education Training Systems																											
VRTEX® 360 Compact	K4914-1	1	50/60	115/230	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
VRTEX® 360	K4601-3	1	50/60	115/230	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
VRTEX® 360+	K4602-3	1	50/60	115/230	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
VRTEX® Transport™	K4603-3	1	50/60	115/230	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
VRTEX® Transport™+	K4633-3	1	50/60	115/230	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
VRTEX® Engage®	K4299-1 K4299-2 K4299-3 K4299-4	1	50/60	115/230	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
RealWeld® CE	K4344-4	1	50/60	115/230	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
RealWeld® One-Pak CE	K4344-7	1	50/60	115/230	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

**WELDING EQUIPMENT:** Power Wave® 300 Ready-Pak® Package · ClassMate™ Robotic Education Cell · Welding Booths · Welding Tables · Welding Gear  
**CUTTING EQUIPMENT:** Torchmate® 4400 & 4800 CNC Plasma Cutting Tables

EDUCATION SOLUTIONS





**NEW**

## VRTEX® 360 COMPACT

### Discover virtual welding training in a new, compact size.

Lincoln Electric's VRTEX® 360 Compact is a new, small Virtual Reality Welding Simulator for mobile-use in multiple environments.

It provides a flexible, powerful, cutting-edge solution for cultivating welding talent quickly and resourcefully. The cost-effective small-sized solution offers superior graphics, which creates the most realistic and responsive welding puddle available and is convincing with accurate sounds and movements.

With the new VRTEX® 360 Compact, virtual welding training can seamlessly transfer into real-world, hands-on welding training.

### The first virtual welding trainer with optional cutting mode.

The VRTEX® 360 Compact offers welding training and optional thermal oxyfuel cutting training in one virtual device.

This unique feature also enables students to experience torch cutting in a virtual environment. Every aspect of the thermal oxyfuel cutting feature is designed to address real-world cutting applications – from setting-up the torch to executing the cut.

### Makes virtual welding training smarter, faster & more efficient.

- Smarter. Compact size, small footprint, mobile use, intelligent software features.
- Efficient. High training quality, rapid training progress, fast set-up, just plug-in & train.
- Safer. Virtual welding environment produces realistic welding sounds, images and cost savings with no consumables. Less risk and accidents, remote learning capabilities via video streaming and optional hygienic training approach.
- Multi-use. Flexible use of different welding training modes with Thermal Oxyfuel Cutting as an add-on feature.

#### Processes

Simulated: SMAW, GTAW, GMAW, FCAW

#### Input



#### Output



Smarter



Efficient



Safer



Multi-use

Product	Reference	Input Power V/Ph/Hz	Input Current @ Rated Output	Dimensions H x W x D (mm)	Weight (kg)
VRTEX® 360 Compact	K4914-1	115/230/1/50/60	4A@115 2A@230	380 x 305 x 457	14
VRTEX 360 Compact Travel Case Set	K4915-1				
VRTEX 360 Compact Stand Kit	K4916-1				
VRTEX Tabletop Armrest	K4917-1				
VRTEX 360 Oxyfuel Cutting Upgrade	K4485-1				

## VRTEX® 360

### Single User Virtual Reality Welding Training Simulator in Crate.

- Retractable SMAW stick stinger, GMAW/FCAW gun and GTAW TIG torch, filler metal and adaptive foot pedal devices realistically simulate the look, feel and action of actual guns and torches.
- Practice flat, horizontal, vertical and overhead 5G and 6G on mild steel, aluminium, stainless steel.
- Extremely realistic weld puddle is visually and audibly responsive to operator behaviour, helping welders learn when to adjust welding technique. Welding discontinuities appear when improper technique is used.
- Tracks and scores key weld parameters including work angle, travel angle, travel speed, distance and position.



#### Processes

Simulated: SMAW, GTAW, GMAW, FCAW

#### Input



#### Output



Product	Reference	Input Power V/Ph/Hz	Input Current @ Rated Output	Dimensions H x W x D (mm)	Weight (kg)
VRTEX® 360 (Single User) Crate	K4601-3	115/230/1/50/60	4A@115 2A@230	Machine: 874 x 503 x 975	Machine: 90.7
Pallet	K4601-1			Stand: 1993.9 x 914.4 x 1178.1	Package Weight: (Crate, Machine & Stand): 226.8
				Crate: 1219.2 x 1219.2 x 1219.2	

## VRTEX® 360+

### Dual User Virtual Reality Welding Training Simulator in Crate.

- Dual stands allows for the training of two students at the same time on one machine, each independently performing welds using different processes, coupons, joints and Welding Procedure Specifications (WPS).
- Retractable SMAW stick stinger, GMAW/FCAW gun and GTAW TIG torch, filler metal and adaptive foot pedal devices realistically simulate the look, feel and action of actual guns and torches.
- Practice flat, horizontal, vertical and overhead 5G and 6G on mild steel, aluminium, stainless steel.
- Extremely realistic weld puddle is visually and audibly responsive to operator behaviour, helping welders learn when to adjust welding technique. Welding discontinuities appear when improper technique is used.
- Tracks and scores key weld parameters including work angle, travel angle, travel speed, distance and position.



#### Processes

Simulated: SMAW, GTAW, GMAW, FCAW

#### Input



#### Output



Product	Reference	Input Power V/Ph/Hz	Input Current @ Rated Output	Dimensions H x W x D (mm)	Weight (kg)
VRTEX® 360+ (Dual User) Crate	K4602-3	115/230/1/50/60	4A@115 2A@230	Machine: 874 x 503 x 975	Machine: 90.7
Pallet	K4602-1			Stand: 1993.9 x 914.4 x 1178.1	Package Weight: (Crate, Machine & Stand): 226.8
				Crate: 1219.2 x 1219.2 x 1219.2	

## VRTEX® TRANSPORT™

### Virtual Reality Welding Training Simulator in Crate.

- Uni-gun device adapts to SMAW, GTAW, GMAW and FCAW welding. Together with the GTAW filler metal device and adaptive foot pedal, these devices realistically simulate the look, feel and action of actual guns and torches.
- Practice flat and horizontal welding on mild steel, aluminium and stainless steel
- Extremely realistic weld puddle is visually and audibly responsive to operator behaviour, helping welders learn when to adjust welding technique. Welding discontinuities appear when improper technique is used.
- Tracks and scores key weld parameters including work angle, travel angle, travel speed, distance and position.



#### Processes

Simulated: SMAW, GTAW, GMAW, FCAW

#### Input



#### Output



Product	Reference	Input Power V/Ph/Hz	Input Current @ Rated Output	Dimensions H x W x D (mm)	Weight (kg)
VRTEX® Transport™ (Single User) Crate	K4603-3	115/230/1/50/60	4A @ 115 2A @ 230	Machine: 874 x 503 x 975	Machine: 90.7
Pallet	K4603-1			Coupon Stand w/Arm 431 x 305 x 356	Monitor: 9 Crate: 70.3
				Monitor: 366 x 392 x 204	Armrest: 3.1
				Crate: 1220 x 1220 x 1220	Packaged Weight: Crate, Machine & Stand: 181.4

## VRTEX® TRANSPORT™+

### Dual Virtual Reality Welding Training Simulator in Crate.

- Uni-gun device adapts to SMAW, GTAW, GMAW and FCAW welding. Together with the GTAW filler metal device and adaptive foot pedal, these devices realistically simulate the look, feel and action of actual guns and torches.
- Practice flat and horizontal welding on mild steel, aluminium and stainless steel
- Extremely realistic weld puddle is visually and audibly responsive to operator behaviour, helping welders learn when to adjust welding technique. Welding discontinuities appear when improper technique is used.
- Tracks and scores key weld parameters including work angle, travel angle, travel speed, distance and position.



#### Processes

Simulated: SMAW, GTAW, GMAW, FCAW

#### Input



#### Output



Product	Reference	Input Power V/Ph/Hz	Input Current @ Rated Output	Dimensions H x W x D (mm)	Weight (kg)
VRTEX® Transport™ (Dual User) Crate	K4633-3	115/230/1/50/60	4A @ 115 2A @ 230	Machine: 874 x 503 x 975	Machine: 90.7
Pallet	K4633-1			Coupon Stand w/Arm 431 x 305 x 356	Monitor: 9 Crate: 70.3
				Monitor: 366 x 392 x 204	Armrest: 3.1
				Crate: 1220 x 1220 x 1220	Packaged Weight: Crate, Machine & Stand: 181.4

## VRTEX® ENGAGE®

### Virtual reality outreach arc welding trainer.

- Foundational welding simulation trainer is ideal for introductory career pathway programmes in any environment.
- Everything you need to get started is included.
- View a demo of each weld.
- Instant feedback and assessments help you evaluate student understanding of weld safety and procedure setup.
- Students and instructors can use video replay to review and analyse performance.



#### Processes

MIG, Flux-Cored, SMAW  
(Alternate Frequency)

#### Input



#### Output



Product	Reference	Input Power V/Ph/Hz	Input Current @ Rated Output	Dimensions H x W x D (mm)	Weight (kg)
VRTEX® Engage® Standard Frequency	K4299-1	115/230/1/50/60	1A @ 115 0.5A @ 230	622.3 x 492 x 310.4	24.9
VRTEX® Engage® Alternate Frequency 1	K4299-2				
VRTEX® Engage® Alternate Frequency 2	K4299-3				
VRTEX® Engage® Alternate Frequency 3	K4299-4				

## REALWELD®

### Advanced welding trainer.

- One-Pak package includes welding power source and fume system.
- Audio coaching, which can be turned off anytime, provides guidance with weld speed, angles, aim, contact tip to work distance/arc length and position in the weld.
- Perform multi-pass welds on 152 mm or 457 mm jigs.
- Integrated touchscreen can be used with gloved hands to access feedback, videos, documents, images, websites, or curriculum.
- Slim, vertical design is ideal for use in any weld booth.



#### Processes

Stick, MIG, Flux-Cored

#### Input



#### Output



Product	Reference	Input Power V/Ph/Hz	Input Current @ Rated Output	Operating System	Processor/ Memory	Hard Drive	Ports (qty) – USB 2.0/Ethernet	Dimensions H x W x D (mm)	Weight (kg)
RealWeld® CE	K4344-4	115/230/1/50/60	3A @ 115VAC 1.5A @ 230VAC	Windows® 7 (32 bit)	Intel® Core i3/4GB	High Performance 256GB	2/2	Lowered: 1943 x 914 x 914 Raised: 2540 x 914 x 914	Net: 882 Crate: 1102
RealWeld® CE International One-Pak	K4344-7								Net: 1378 Crate: 1544
Set of 457 mm Weld Fixtures (qty 3)	K4344-2								–



**WELDLINE**<sup>®</sup>

by Lincoln Electric



**WELDLINE®**

by Lincoln Electric

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

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

By offering complete individual protective equipment as well as tools and accessories dedicated to welding applications, our objective is to create more comfort and safety for the welder. The portfolio is a careful selection of quality products including:

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

For Weldline's full range please check  
the Weldline Catalogue or visit:

**[www.weldline.eu](http://www.weldline.eu)**



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





# WELDING HELMETS



Viking™ 1840 Series      Viking™ 2450 Series      Viking™ 3350 Series      Viking™ PAPR™ 3350 Series      Viking™ 3250D FGS™

Lens Switching Speed (sec)	1/25.000	1/25.000	1/25.000	1/25.000	1/25.000
Variable Shade/Control	9-13 External	5-13 Internal	5-13 Internal	5-13 Internal	5-13 Internal
Magnifying "Cheater" Capable Lens	Yes	Yes	Yes	Yes	Yes
Grind Mode Shade/Control	DIN4/External	DIN3.5/Internal	DIN3.5/Internal	DIN3.5/Internal	DIN3.5/Internal
Light Sensitivity Control	Continuous	Continuous	Continuous	Continuous	Digital Display Control
Delay Control Dark to Light (sec)	0.1-1 Fully Adjustable	0.1-1 Fully Adjustable	0.1-1 Fully Adjustable	0.1-1.0 Fully Adjustable	0.0-1.0 Digital Adjustment
Arc Sensors	2	4	4	4	4
TIG Amp Rating	≥ 2A AC/DC	≥ 2 AC/DC	≥ 2A AC/DC	> 2A AC/DC	> 2A AC/DC
Cartridge Size (mm)	110 x 90	114 x 133	114 x 133	114 x 133	
View Size (mm)	96 x 47	97 x 62	95 x 85	95 x 85	75 x 108
Temperature Range	Operating: -10°C to +55°C Storage: -20°C to +70°C	Operating: -10°C to +55°C Storage: -20°C to +70°C	Operating: -10°C to +55°C Storage: -20°C to +70°C	Operating: -5° to 55°C	Operating: -10°C to +55°C Storage: -20°C to +70°C
Weight (g)	532	595	595	1000 (including battery, belt and filters)	793
Optical Clarity	1/1/1/1	1/1/1/1	1/1/1/1	1/1/1/1 (per EN 379)	1/1/1/1
Head Gear	Pivot	Pivot	Pivot	FR Flame Retardant	Upgraded Four Axis Pivot
Battery Type	1 CR 2450 Battery	2 CR 2450 Batteries	1 CR 2450 Battery	Lithium Ion (Rechargeable)	2 CR2450 Replaceable Batteries



Euroone      Chameleon 3VO Squad / Streetart      Eurospeed LS      Chameleon 4V LS      Eurolux 4500 LS      Zephyr/ Flipair 4500 LS

Lens Switching Speed (sec)	1/16.000	1/16.000	1/25.000	1/20.000	1/25.000	1/25.000
Variable Shade/Control	9-13 External	8-13 Internal	9-13 Internal	8-13 Internal	5-13 Internal	5-13 Internal
Light Shade (LS)	No	No	Yes	Yes	Yes	Yes
Grind Mode Shade / Control	DIN3.5 / External	DIN4 / No	DIN3.5 / Internal	DIN3 / External	DIN3 / External	DIN3 / External
Light Sensitivity Control	by infinitely dial knob	by infinitely dial knob	by infinitely dial knob	Continuous	Continuous	Continuous
Delay Control Dark to Light (sec)	0.1-1.0s by infinitely dial knob	0.1-1.0 by infinitely dial knob	0.1-1.0s by infinitely dial knob	variable from 1 s-0.1s	0.1-1.0s fully adjustable	0.1-1.0s fully adjustable
Additional Features	-	-	Planch of stickers	-	X-mode INFOTRACK	X-mode INFOTRACK
Arc Sensors	2	2	2	3	4	4
TIG Amp Rating	≥10 A /DC ≥ 10 A /AC	≥5 A /DC ≥5 A /AC	≥5 A /DC ≥5 A /AC	≥5 A /DC ≥5 A /AC	≥5 A /DC ≥5 A /AC	≥5 A /DC ≥5 A /AC
Cartridge Size (mm)	110 x 90 mm	110 x 90 mm	110 x 90 mm	110 x 90 mm	110 x 90 mm	110 x 90 mm
Viewing Area (mm <sup>2</sup> )	4 312	3 880	4 312	4 559	5 820	5 820
Weight (g)	490	445	475	614	542	938 + 1760
Optical Clarity	1/1/1/2	1/1/1/2	1/1/1/2	1/1/1/2	1/1/1/2	1/1/1/2
Headgear	FLEXONE	FLEX3VO	FLEXSPEED LS + cushion	FLEXTECH I	FLEXTECH I	FLEXTECH I
Battery Type	Solar cells, no battery change required	Solar cell + 2 alkaline battery	Solar cell + Battery replaceable (2xAAA Alkaline batteries)	Solar cells +2 exchangeable lithium batteries	Solar cells +2 exchangeable lithium batteries	Solar cells +2 exchangeable lithium batteries
Low Battery Indicator	-	-	Yes	Yes	Yes	Yes
Harmonised standards	EN 166:2001, EN 379:2003+A1:2009, EN 175:1997	EN 166:2001, EN 379:2003 +A1:2009, EN 175:1997	EN 166:2001, EN 379:2003+A1:2009, EN 175:1997	EN 166:2001, EN 379:2003+A1:2009, EN 175:1997	EN 166:2001, EN 379:2003+A1:2009, EN 175:1997	EN 166:2001, EN 379:2003+A1:2009, EN 175:1997 *EN 12941:2009-02
Warranty (months)	12	12	18	24	24	24



## 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 DIN 110 x 90 mm cartridge size.
- Two arc sensors.
- Solar powered with replaceable lithium battery.
- Magnifying "cheater" lens capability.
- New pivot style headgear.

#### Reference

Viking™ Helmet 1840 Black	K3023-3-CE
Viking™ Helmet 1840 Tribal™	K3024-3-CE



#### Processes

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

**VIKING™**  
WELDING HELMETS



## VIKING™ – 2450 SERIES

### The perfect choice for journeyman fabricators.

- 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.
- Four arc sensors.
- Solar cells with replaceable lithium batteries.
- Magnifying "cheater" lens capability.
- New, pivot-style headgear.

#### Reference

Viking™ Helmet 2450 Black	K3028-3-CE
Viking™ Helmet 2450 Street Rod™	K3035-3-CE



#### Processes

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

**VIKING™**  
WELDING 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: the largest in the VIKING line.
- Large (133 x 114 mm) cartridge size.
- Four arc sensors.
- Solar cells with a replaceable lithium battery.
- Magnifying "cheater" lens capability.
- New, pivot-style headgear.

#### Reference

Viking™ Helmet 3350 Black	K3034-3-CE
Viking™ Helmet 3350 Motorhead™	K3100-3-CE
Viking™ Helmet 3350 Mojo™	K3101-3-CE



#### Processes

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

**VIKING™**  
WELDING HELMETS



**VIKING™ 3350 PAPR™**

Powered, air-purifying respirator welding helmet.

- Lightweight and comfortable.
- Patent-pending baffling allows the user to adjust flow away from the eyes to prevent dryness.
- The minimum battery run time is eight hours.
- Audible and vibrating alarms notify the user of low air flow or low battery.

**Reference**

Viking™ PAPR 3350

K3930-2

**Processes**

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

**VIKING™**  
WELDING HELMETS

**VIKING™ 3250D FGS™**

Maximising the field of view.

- Integrated clear grind shield with anti-fog coating.
- Exclusive 4C™ Lens Technology reduces colour saturation, improves clarity and reduces eye strain.
- Perfect Optical Clarity eliminates blurriness and distortion while maintaining an even shade.
- Shade five side windows notably increase peripheral vision.
- Extra large auto darkening display offers a wide screen view.

**Reference**

Viking™ Helmet 3250D FGS™

K3540-3-CE

**Processes**

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

**VIKING™**  
WELDING HELMETS



## EUROONE

Comfortable and light retail helmet with decent specs.

- The viewing area of 4 312 mm<sup>2</sup>.
- Lense switching speed: 0.06 ms.
- Two arc sensors.
- DIN 3.5/9-13.
- Delivered with two outside and two inside protection plates plus a sweat band.

### Reference

Euroone Helmet	W000403823
Auto-Darkening Filter	W000404067



### Processes

Stick, MIG, Plasma Cutting, Grinding

### WARRANTY

**1**  
YEAR



## CHAMELON 3VO SQUAD / STREETART

Comfortable and light retail helmet with Auto-Start ADF Filter.

- The viewing area of 3 880 mm<sup>2</sup>.
- Lense switching speed: 0.06 ms.
- Two arc sensors.
- DIN 4/8-13.
- Delivered with one inside and two outside protection plates plus antifog treated screen, one anti-transpiration headband and one comfort cushion.

### Reference

Chamelon 3VO Squad	W000403546
Chamelon 3VO Streetart	W403547
Auto-Darkening Filter	W000377928



### Processes

Stick, MIG

### WARRANTY

**1**  
YEAR



## EUROSPEED LS / EUROSPEED LS *Female*

All the comfort and security of an autodarkening helmet, delivered with different stickers for personalisation.

- The viewing area of 4 312 mm<sup>2</sup>.
- Lense switching speed: 0.04 ms.
- Two arc sensors.
- DIN 3.5/9-13.
- Delivered with one inside and two outside protection plates plus a sweat band and comfort cushion on the headgear.
- Magnifying "cheater" lense capability.
- New, pivot-style headgear.

### Reference

Eurospeed LS Helmet	W000403824
Eurospeed LS Helmet Blackrobot Edition	W000403824-1
Eurospeed LS Helmet Female Edition	W000403824-2
LCD cell	W000404097



### Processes

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

**18**  
MONTH



## CHAMELEON 4V+ LS

Autodarkening helmet adapted for TIG welding, switching at very low amperage [5A].

- The viewing area of 4 559 mm<sup>2</sup>.
- Lense switching speed: 0.05 ms.
- Three arc sensors.
- DIN 3/8-13.
- Prepared especially for TIG.
- Grinding mode with external button.
- Delivered with five outside and two inside protection plates plus a sweat band and comfort cushion on the headgear.

### Reference

Chameleon 4V+ LS Helmet	W000403668
LCD cell	W000402680



### Processes

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



## EUROLUX LS

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

- The viewing area of 5 820 mm<sup>2</sup>.
- Lense switching speed: 0.04 ms.
- Four arc sensors.
- DIN 3/5-13.
- INFOTRACK & X-mode.
- Grinding mode with external button.
- Four independent optical sensors.
- Delivered with five outside and two inside protection plates plus a sweat band and comfort cushion on the headgear.

### Reference

Eurolux LS Helmet	W000403672
LCD cell	W000402681



### Processes

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



## ZEPHYR LS / FLIPAIR LS

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

- Large viewing area of 5 820 mm<sup>2</sup>.
- Lense switching speed: 0.04 ms.
- Four arc sensors.
- DIN 3/5-13.
- INFOTRACK & X-mode.
- Helmet with powered and filtered airflow.
- ZEPHYR LS: Grinding mode with external button.
- FLIPAIR LS: FLIP UP version.
- Flip-up LCD filter for grinding (Flipair LS).
- The ultimate welder protection.
- Delivered in a rugged carry bag with accessories.

### Reference

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



### Processes

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





**WELDLINE**  
by Lincoln Electric

**WELDING GEAR**



## MIG UNIVERSAL COMFORT

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



### Recommended use

Stick, MIG

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

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

### Reference

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



★★★★☆  
Heat resistance



★★★★☆  
Dexterity



★★★★☆  
Abrasion resistance



★★★★★  
Molten metal splashes

## MIG UNIVERSAL COMFORT +

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



### Recommended use

Stick, MIG

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

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

### Reference

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



★★★★☆  
Heat resistance



★★★★☆  
Dexterity



★★★★☆  
Abrasion resistance



★★★★★  
Molten metal splashes

## MIG IRON PROTECT

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



### Recommended use

Stick, MIG

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

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

### Reference

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



★★★★★  
Heat resistance



★★★★☆  
Dexterity



★★★★☆  
Abrasion resistance



★★★★★  
Molten metal splashes



## MIG IRON PROTECT +

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



★★★★★  
Heat resistance



★★★★★  
Dexterity



★★★★★  
Abrasion resistance



★★★★★  
Molten metal splashes



### Recommended use

Stick, MIG

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

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

EN 388:2016 - 2 1 2 2 x

EN 407:2004 - 4 1 3 2 4 x

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

### Reference

Size 10	WG-MIG-4-CE
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Size 11	WG-MIG-4-CE-T11
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## TIG FLEX SENSITIVE

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



★★★★☆  
Heat resistance



★★★★★  
Dexterity



★★★★☆  
Abrasion resistance



★★★★☆  
Molten metal splashes



### Recommended use

TIG

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

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

EN388 :2016 - 2 1 3 2 x

EN407 :2004 - 4 1 3 2 4 x

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

### Reference

Size 8	WG-TIG-8-CE
--------	-------------

Size 9	WG-TIG-9-CE
--------	-------------

Size 10	WG-TIG-10-CE
---------	--------------

Size 11	WG-TIG-11-CE
---------	--------------

## TIG FLEX SENSITIVE

### Female

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



★★★★☆  
Heat resistance



★★★★★  
Dexterity



★★★★☆  
Abrasion resistance



★★★★☆  
Molten metal splashes



### Recommended use

TIG

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

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

EN388 :2016 - 2 1 3 2 x

EN407 :2004 - 4 1 3 2 4 x

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

### Reference

Size 8	WG-TIG-8-CE-L
--------	---------------

Size 9	WG-TIG-9-CE-L
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## MIG UNIVERSAL COMFORT

### Female

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



#### Recommended use

Stick, MIG

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

EN 420: 2003+[A1:2009] - 3

EN 407:2004 - 4 1 3 2 4 x

EN 388:2016 - 2 1 3 2 x

EN 12477:2001+[A1:2005] - TYPE A

#### Reference

Size 8 WG-MIG-1-CE-T8-L

Size 9 WG-MIG-1-CE-T9-L



★★★★☆  
Heat resistance



★★★★★  
Dexterity



★★★★☆  
Abrasion resistance



★★★★★  
Molten metal splashes

## WORKER GLOVES FULL LEATHER STEEL

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



#### Recommended use

Fabrication work

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

EN 388:2016+[A1] - 3 1 1 1 x

#### Reference

Size S W2977-S-CE

Size M W2977-M-CE

Size L W2977-L-CE

Size XL W2977-XL-CE

## THERMAL SCREEN

### Thermal protection added to a glove.

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



#### Reference

W000335162



## WELD'FIT COMFORT

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

### Composition:

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

### Standard:

Rules [EU] 2016/425 European Regulation on Personal Protective Equipment

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

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



## SHORT AND LONG SLEEVES

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

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

### Reference

Short oversleeves	W000404083
Long oversleeves	W000404084

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

### Long oversleeves

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



### Short oversleeves

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

## SPLIT LEATHER WELDING JACKET

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

- The jacket fastens in the front with an overlap of leather and Velcro for additional protection against spatters; the inner neck is made of double cotton for comfort.
- Elastic ribbing on the wrists.
- Finished in red trim.
- Length: +/- 780 mm.
- Available sizes: S, M, L, XL, 2XL, 3XL, 4XL and 5XL.

### Reference

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

\* On demand

Button closure  
under flap

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

Breathable

Customise your welding jacket thanks to the removable velcro band



## GRAIN LEATHER WELDING JACKET

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

- Half of the back is made from flame retardant cotton, ensuring the jacket is light and flexible.
- The jacket fastens in the front with an overlap of leather and Velcro for additional protection against spatters; the inner neck is made of double cotton for comfort.
- Elastic ribbing on the wrists.
- Finished in red trim.
- Length: +/- 780 mm.
- Available sizes: S, M, L, XL, 2XL, 3XL, 4XL and 5XL.



### Reference

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

\* On demand

Button closure under flap

Customise your welding jacket thanks to the removable velcro band

Breathable

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

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

## GRAIN LEATHER WELDING JACKET

*Female*

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

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

### Reference

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

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

Included: one split leather bag.

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

## GAITERS

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

Length: 30 cm.

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



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



### Reference

Gaiters with straps	W000404081
Gaiters with velcro	W000404082

## LEATHER APRON

Designed to protect clothes from welding spatters and grinding particles.



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

Grain leather  
apron

Split leather  
apron

### Split leather apron:

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

Fastened with  
clips or cotton  
straps.

### Grain leather apron:

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

### Reference

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



## WELD'FIT COTTON CLOTHING

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

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

### Regulation:

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

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

Clothing produced according to EN ISO 11611 serves to protect the wearer whilst welding or performing allied processes involving comparable risks. This clothing provides protection against spatter (minor splashes of molten metal) and so-called welding beads as well as brief contact with flames and radiant heat from the arc. Under normal welding conditions, it offers limited electrical insulation against DC voltage of up to approximately 100 V. According to EN ISO 11611, the clothing is divided into the following classes depending on their level of protection: Class 1 or Class 2.

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

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



Customisable velcro

Sleeve tightening snap button

## BLACK WELDING TROUSERS – FLAME RETARDANT COTTON

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

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



### Personal Protective Equipment Regulation

PPER (EU) 2016/425

EN ISO 11611:2015 Class 1/A1+A2

### Reference

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



## WELDING HOOD – FLAME RETARDANT COTTON

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

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



Personal Protective Equipment  
Regulation

PPER (EU) 2016/425

EN ISO 11611:2015 Class 1/A1+A2

### Reference

All size	W2995-ALL-CE
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## DOO RAG – FLAME RETARDANT COTTON

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

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



Personal Protective Equipment  
Regulation

PPER (EU) 2016/425

EN ISO 11611:2015 Class 1/A1+A2

### Reference

All size	W2993-ALL-CE
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## WELDING BEANIE – FLAME RETARDANT COTTON

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

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



Personal Protective Equipment  
Regulation

PPER (EU) 2016/425

EN ISO 11611:2015 Class 1/A1+A2

### Reference

All size	W2994-ALL-CE
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## TRADITIONAL SPLIT LEATHER-SLEEVED JACKET

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

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

Customise your welding jacket thanks to the removable velcro band



### Personal Protective Equipment Regulation

PPER (EU) 2016/425

EN ISO 11611:2015 Class 1/A1+A2

### Reference

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

## GRAIN LEATHER-SLEEVED JACKET

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

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

Customise your welding jacket thanks to the removable velcro band



### Personal Protective Equipment Regulation

PPER (EU) 2016/425

EN ISO 11611:2015 Class 1/A1+A2

### Reference

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



## WELDING JACKET – FLAME RETARDANT COTTON

Made from 100% flame-retardant material, our cloth jacket is ideal for light-duty welding. A convenient inside pocket stows personal items. Protection for light-duty welding. Black & Red flame retardant fabric 305 gr./m<sup>2</sup>.

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

Customise your welding jacket thanks to the removable velcro band



### Personal Protective Equipment Regulation

PPER (EU) 2016/425

EN ISO 11611:2015 Class 1/A1+A2

### Reference

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

## WELDING LAB COAT – FLAME RETARDANT COTTON

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

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

Customise your welding jacket thanks to the removable velcro band



### Personal Protective Equipment Regulation

PPER (EU) 2016/425

EN ISO 11611:2015 Class 1/A1+A2

### Reference

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

## PANTER-FUSION 49 S3

Our safety boots with special cuff for welding protection are produced from extra thick, breathable and fireproof full grain leather. Extremely strong and durable, they protect against high temperatures.

- Protective footwear against thermal risks and splashes of molten metal, resistant to flames and sewn with flame retardant yarn.
- Non-metallic, anti-impact toe cap and flexible, puncture-proof midsole.
- Special nitrile rubber sole is resistant to high temperatures (300 °C) and offers effective insulation from cold and extreme heat. Adherent to all kinds of surfaces, it provides traction and stability and is resistant to oils and hydrocarbons.
- Antistatic boot.
- Wide frame that does not restrain the foot.
- Removable, interchangeable, antibacterial, antistatic and anti-fungus insoles.
- Very breathable, wear-resistant lining.
- Anti-scratch, custom-fit, ankle supporting padding.
- Reinforced toe that protects the area most exposed to bumps and chafing guarantees a longer shoe life.
- Double closure for better fit and protection against metal sparks. Finished with high performance industrial fabric and inner laces with leather bellows tongue that prevent the entry of foreign objects.



**Size**

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



Level of protection  
S3+WG+Hi1+Ci+HRO+AN

EN ISO 20345 EN  
ISO 20349

### Natural, full grain leather combining maximum hydrofugation and flame-proof treatment.

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

### 200 J Plastic

- Impact resistant to over 200 joules.
- Extra wide.
- Very light.
- Elastic memory.
- Electrically insulating.
- Maximum EN ISO 20345 certification.



### PU + High Temperature (300 °C). Nitrile rubber.

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

### Heat resistant.

- Anti-fungal.
- Antistatic.
- Antibacterial.

### Puncture-proof, non-metallic.

- Extremely flexible and light.
- Soft, reflecting the natural shape of the foot.
- Comfort and protection.
- Zero penetration.
- Super flexible and light.
- Maximum EN ISO 20345 certification.





WELDING ACCESSORIES

## SPRAYS

### Anti-spatters

#### CERASKIN

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

Reference  
W000277679



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

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

##### Reference

Spray (400 ml) W000010001  
Drum (20 litres) W000011074



#### SPRAYMIG SVB

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

Reference  
W000011092



#### NETMIG

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

Reference  
W000011071



### Anti-corrosion

#### GALVASPRAY

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

##### Reference

volume : 500 ml (nominal) W000011094



### Cracks detection

#### FLUXO S190 – CLEANER

Cleans the workpiece and removes excessive penetrant.

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

Reference  
W000374827



#### FLUXO P125 – PENETRANT

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

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

Reference  
W000374825



#### FLUXO R175 – DEVELOPER

Detection of cracks and surface faults.

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

Reference  
W000374826



### Heat protection

#### THERMISHIELD

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



Reference  
W000274839



EN3552-2,  
ASME, RCCM  
(NUCLEAR)\*  
\*For FLUXO and  
ARDROX

## ELECTRODE HOLDERS



## Screw type electrode holders

TWIST 200

VESTALETTE 250

STUBBY 400

MASTER 500

VESTALE 500

CURVA 400 / 600



	TWIST 200	VESTALETTE 250	STUBBY 400	MASTER 500	VESTALE 500	CURVA 400	CURVA 600
Reference	W000010565	W000010035	W000010036	W000010037	W000010038	W000010573	W000010574
Amperage	200A at 35%	250A at 35%	400A at 35%	500A at 35%	500A at 35%	400A at 35%	500A at 35%
Cable Ø (mm)	25 max.	35 max.	70 max.	95 max.	95 max.	50 max.	95 max.
Electrode Ø (mm)	3.2 max.	4.0 max.	6.3 max.	8.0 max.	8.0 max.	6.3 max.	8.0 max.
Weight	335 g	295 g	450 g	530 g	470 g	540 g	720 g

## Lever type closed head electrode holders

SEGURA 300 / 400 / 600

COBRA 300

OPTIMUS 300 / 400 / 500



	SEGURA 300	SEGURA 400	SEGURA 600	COBRA 300	OPTIMUS 300	OPTIMUS 400	OPTIMUS 500
Reference	W000010570	W000010571	W000010572	W000010039	W000010410	W000010411	W000010412
Amperage	300 at 35%	400 at 35%	500 at 35%	300 at 35%	300 at 35%	400 at 35%	500 at 35%
Cable Ø (mm)	35 max.	50 max.	70 max.	50 max.	35 max.	50 max.	70 max.
Electrode Ø (mm)	4.0 max.	5.0 max.	8.0 max.	6.3 max.	4.0 max.	5.0 max.	6.3 max.
Weight	415 g	570 g	590 g	420 g	415 g	570 g	590 g

## Lever type opened head electrode holders

CAÏMAN 200 / 400 / 600



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

## Hobby and high-duty electrode holders

HOBBY 200

CAÏMY 200



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

# GOUGING ELECTRODES

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



## Process

CAC-A (gouging)

## Applications

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

## CARBONAIR

### Pointed electrodes

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

Diameter x length (mm)	Quantity per box	Gross weight per box (kg)	I mini (A)	I max (A)	Air pressure (bars)	Airflow (m <sup>3</sup> /h)	Reference
4 x 305	100	0.7508	150	200	5.0	10	W000010645
5 x 305	100	1.1582	200	300	5.0	10	W000010443
6.4 x 305	50	0.935	300	400	6.0	10.5	W000010444
8 x 305	50	1.4026	450	550	7.0	12	W000010445
10 x 305	50	1.9154	600	700	8.0	13	W000010446
13 x 305	50	3.4112	900	1100	9.0	14	W000010447



### Flat electrodes

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

Diameter x length (mm)	Quantity per box	Gross weight per box (kg)	I mini (A)	I max (A)	Air pressure (bars)	Airflow (m <sup>3</sup> /h)	Reference
5 x 15 x 305	50	2.15	500	600	8.0	13	W202010453
5 x 18 x 355	25	1.6945	600	750	8.0	13	W202010454



### Hollow electrodes

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

Diameter x length (mm)	Quantity per box	Gross weight per box (kg)	I mini (A)	I max (A)	Air pressure (bars)	Airflow (m <sup>3</sup> /h)	Reference
5 x 305	100	1.0472	200	300	5.0	10	W202010455
8 x 305	50	1.3394	450	550	7.0	12	W202010456
9.5 x 305	50	2.0554	500	700	7.0	12	W202010457
12.7 x 305	50	3.3476	850	1100	8.0	13	W202010458



## CARBONAIR PLUS

### Jointed electrodes

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

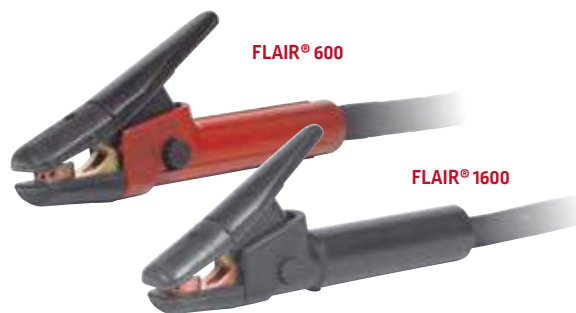
Diameter x length (mm)	Quantity per box	Gross weight per box (kg)	I mini (A)	I max (A)	Air pressure (bars)	Airflow (m <sup>3</sup> /h)	Reference
8 x 355	50	1.713	400	500	7.0	12	W000010448
10 x 430	50	3.0726	700	850	8.0	13	W000010449
13 x 430	50	5.0886	1000	1200	9.0	14	W000010450
16 x 430	25	3.8728	1300	1500	10.0	16	W000010451
19 x 430	25	5.3048	1500	1700	10.0	16	W000010452



# GOUGING TORCHES

## FLAIR® 600/1600

- The torch can rotate 360° on the monocable, allowing unrestricted movement.
- Smoothly finished body for perfect airflow – manufactured with the greatest accuracy. The inner body is perfectly shaped which results in a perfect airflow, better cooling and a longer lifespan.
- Highly conductive extruded body and nozzle (non-casted) – better conduction and less heat development and consequently a longer product lifetime.
- Thicker heat resistant insulation – ensures not only a longer product lifetime, but also safer, more convenient and more productive working conditions.
- Flexible monocable (2.5 meter) ensures more ergonomical, effective working conditions.
- The airflow can be regulated on the torch.



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

## MMA KITS



	Kit 25C25	Kit 25C25+	Kit 25C50	Kit 35C50	Kit 50C50	Kit 50C50+
Reference	W000011138	W000260683	W000260684	W000011139	W000260681	W000260682
I max	200 at 35%	300 at 35%	300 at 35%	300 at 35%	300 at 35%	400 at 35%
Electrode holder	CAÏMAN 200	SEGURA 300	SEGURA 300	SEGURA 300	SEGURA 400	SEGURA 600
Cable length	3 m	3 m	3 m	4 m	4 m	4 m
Earth clamp	HIPPO 200	HIPPO 400	HIPPO 400	HIPPO 400	HIPPO 400	HIPPO 600
Cable length	3 m	2 m	3 m	4 m	4 m	4 m
Plug diameter	9 mm	9 mm	13 mm	13 mm	13 mm	13 mm

## MIG PLIERS (ORIGINAL FIX®)

### Useful to:

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

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



## CERAMIC BACKINGS

The selection of KERALINE slat types for different welding processes.

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



### Ceramic-on-aluminum tape

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

### Ceramic-on-metallic support

Type	Reference	Dimensions (mm)	3D diagram	Application	Packing
KERALINE TM1-13 mm	W000010403				600 mm / piece 10 pieces per bag (6 meters) 7 bags/carton (42 meters)
KERALINE TM2-18 mm	W000010404				



**WELDLINE®**

by Lincoln Electric



# New Weldline PPE Collection

*for Women*



# When the world is counting on you, you can count on us.

Being essential means the world is depending on you to keep moving forward, even when everything else is standing still. While the rest of the world is depending on you, you can depend on us.

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