



ADVANTAGE

Innovative concept focussing on three elements

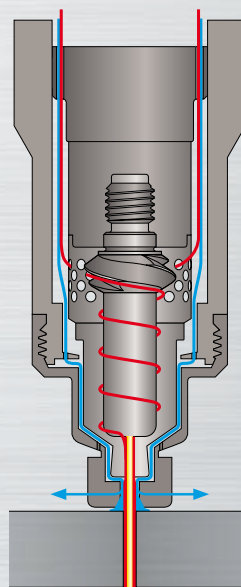
- ✓ **1. Starting**
Innovative advanced arc starting without HF
- ✓ **2. Performance**
Innovative advanced electrode and nozzle design delivering a high performance
- ✓ **3. Lifetime**
Innovative advanced design increases lifetime of consumables

HIGH PERFORMANCE PLASMA CUTTING

The Tomahawk 1025 and 1538 Plasma cutting machines are built to handle harsh environmental conditions using Lincoln tunnel technology to separate the PCB's and sensitive parts from the contaminating cooling airflow. The improved mains voltage tolerances and robust metal case with large protective rubber corners also make these machines suitable for operation on site with a generator or within a workshop environment.

The new Lincoln Plasma torches are designed to a focus on three elements. **Starting:** using an innovative striking system without HF to save and extend the lifetime of the electrodes. **Performance:** using a circular airstream at very high speed, coupled with special electrode and nozzle designs which concentrates the plasma stream. The extremely concentrated plasma stream increases the travel speed and cutting performance to best in class. **Lifetime:** the enhanced airstream cools the electrode and nozzle that extends the lifetime.

The TH1025 and TH1538 comes with three plasma modes. The first mode is the standard function for all general plasma cutting work. The second mode is a Grid function for grid plate that keeps the arc constant and thirdly a Gouge mode provides an extremely long gouging arc.



LC105 torch design with drag cup

- ✓ **Faster**
Higher travel speeds and plate thickness
- ✓ **Flexible**
Multiple torch configurations
- ✓ **Complete**
Moisture separator and pressure reducer included
- ✓ **Different materials**
Mild steel, Stainless steel, Aluminium and many more
- ✓ **Concentrated Plasma Stream**
Less Heat input, less distortion
- ✓ **Built the Lincoln Way**
Robust and reliable
- ✓ **3 Years Full Parts and labour Warranty**

TORCH CONFIGURATIONS

CONTACT
OPTION 1

Convenient for the operator, simply drag the nozzle on the plate. Well-protected nozzle.

STAND-OFF
OPTION 2

Maximum flexibility and visibility of the plasma stream.

GOUGE
OPTION 3

Allowing you to gouge different materials.

TH1025

- ✓ Recommended up to 25mm mild steel (severance 30mm)
- | | |
|-------------------|-----------------|
| 25 mm recommended | 30 mm severance |
|-------------------|-----------------|

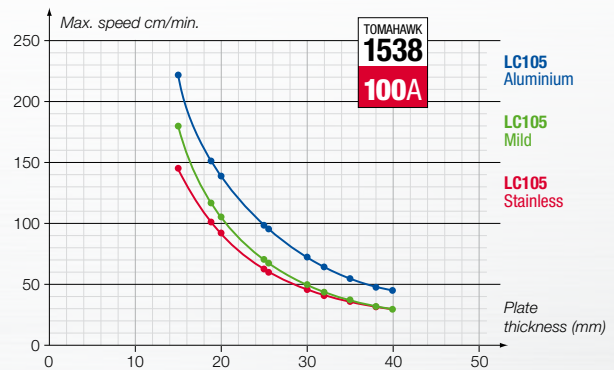
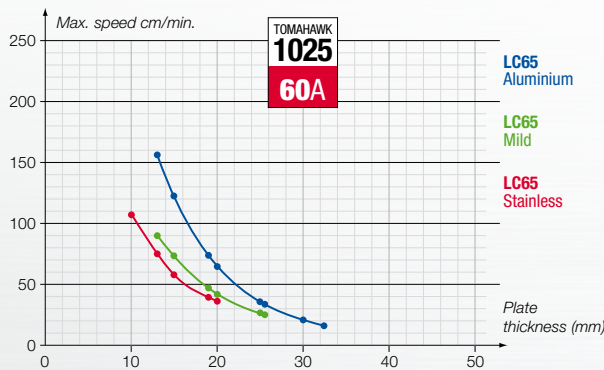
TH1538

- ✓ Recommended up to 40mm mild steel (severance 45mm)
- | | |
|-------------------|-----------------|
| 40 mm recommended | 45 mm severance |
|-------------------|-----------------|



Tomahawk™ 1025 / 1538

CUTTING PERFORMANCE



TECHNICAL SPECIFICATIONS

Product	Item Number	Fuse Size	Weight (kg)	Dimensions H x W x D (mm)	Protection Class	Insulation Class	Compliance
TH 1025	K12048-1	20A (slow)	22	389 x 247 x 510	IP23	H	EN 60529 / EN 60974-1 EN 60974-7 / EN 60974-10
TH 1538	K12039-1	32A (slow)	34	455 x 301 x 640			

Product	Primary Voltage	Current Range	Rated Input	Rated Output (40°C)	Required Flow Rate	Required Inlet Pressure
TH 1025	400 V 3ph (± 15%) 50/60Hz	20 - 60A	7,1kW @ 40% 4,3kW @ 100%	60A @ 40% 40A @ 100%	130 ± 20% l/min @ 5,5 bar	6,0 - 7,5 bar
TH 1538		20 - 100A	13,7kW @ 40% 7,1kW @ 100%	100A @ 40% 60A @ 100%	180 ± 20% l/min @ 5,5 bar	



Pressure reducer and moisture separator inside

TORCHES

Torch	Item	Type	Length
TH1025	LC65	PTH-061A-CX-7M5A	Hand 7.5 m
		PTH-061A-CX-15MA	Hand 15 m
	LC65M	PTM-061A-CX-7M5A	Machine 7.5 m
		PTM-061A-CX-15MA	Machine 15 m
TH1538	LC105	PTH-101A-CX-7M5A	Hand 7.5 m
		PTH-101A-CX-15MA	Hand 15 m
	LC105M	PTM-101A-CX-7M5A	Machine 7.5 m
		PTM-101A-CX-15MA	Machine 15 m

OPTIONS

Item Number	Description
W0300699A	Circle cutting kit
W05X1086A	Remote control kit TH1538
K12049-1	Remote control TH1538

BELGIUM
Lincoln Smitweld Belgium
T: +32 54 33 42 12
E: infobe@lincolnelectric.eu

DENMARK
Lincoln Electric Nordic
T: +45 86 26 51 00
E: jtimmer@lincolnelectric.eu

FINLAND
Lincoln Electric Nordic
T: +35 8 10 52235 00
E: jtimmer@lincolnelectric.eu

FRANCE
Lincoln Electric France
T: +33 2 32 11 40 40
E: infofr@lincolnelectric.eu

GERMANY
Lincoln Electric Deutschland
T: +49 2102 713960
E: infode@lincolnelectric.eu

ITALY
Lincoln Electric Italia
T: +39 010 754 111
E: infoit@lincolnelectric.eu

THE NETHERLANDS
Lincoln Smitweld
T: +31 24 3522 911
E: infofl@lincolnelectric.eu

NORWAY
Sveiseekspernt AS
T: +47 22 08 00 94
E: infono@lincolnelectric.eu

POLAND
Lincoln Electric Bester
T: +48 74 64 61 100
E: infopl@lincolnelectric.eu

PORTUGAL
Electro Arco
T: +351 21 238 7300

RUSSIA
Lincoln Electric Russia
T: +7 (495) 660-94-04
E: russia@lincolnelectric.eu

SPAIN
Lincoln KD
T: +34 93 685 96 00
E: infoes@lincolnelectric.eu

SWEDEN
Svetskompaniet AB
T: +46 (0) 320 211710
E: infose@lincolnelectric.eu

UK / IRELAND
Lincoln Electric UK
T: +44 114 287 2401
E: infouk@lincolnelectric.eu



Your Lincoln Electric Distributor:

www.lincolnelectric.eu

E0062.02/10