

PLASMA CUTTING RANGE

TOMAHAWK® 30K · TOMAHAWK® 45
TOMAHAWK® 1025 · TOMAHAWK® 1538



LINCOLN®
ELECTRIC

Value for money

Cut through any conductive material in seconds.

Choose a model just right for your typical material thickness. Our plasma cutters are as good as the best in Class, with prices far below competitors (the machine as well as the consumable parts).

Portable, flexible cutting power up to 16 mm for the model 30A compressor and 20mm for the model 45A.

TOMAHAWK® 30K plasma cutting system arrives ready to go for fast and precise cutting. With the 30K, forget the grinder – simply pick up the torch and cut in seconds **TOMAHAWK® 45** plasma cutting systems are portable enough to carry to any jobsite. Hook up the compressed air, grab the torch and start cutting right away.

TOMAHAWK® 1025 & 1538 – high performance plasma cutting machines, built to handle harsh environmental conditions, suitable for operation on site with a generator or within a workshop environment.

Up to 25 mm mild steel (Tomahawk® 1025) and up to 40 mm mild steel (Tomahawk® 1538).



**CHOOSE LINCOLN FOR CLEAN,
EFFICIENT AND COST-EFFECTIVE
PLASMA CUTTING**

ALL MACHINES

**BUILT FOR
THE HEAVIEST
INDUSTRIAL
CONDITIONS**

**Developed and tested
under the hardest
conditions (TRUE HD)
to grant the reliability
you need.**

- PCB board made in Lincoln Electric Company
- Fully encapsulated and vertically mounted
- Capable of surviving the harshest testing conditions
- Varnished and potted electronic boards

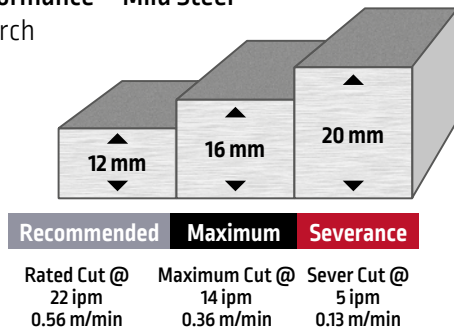
TOMAHAWK® 30K

Features

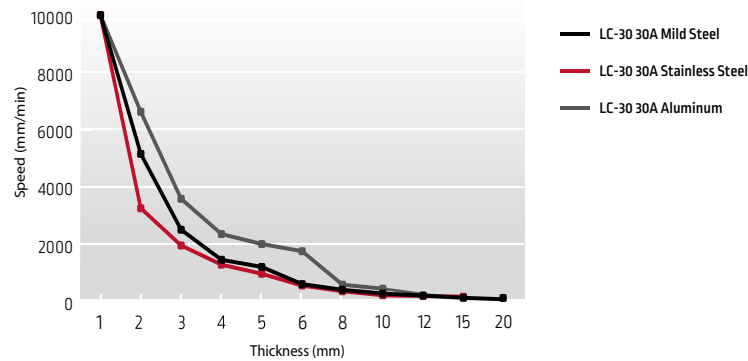
- **Ultimate Portability** – Internal air compressor enables operation in environments where external compressed air is not available.
- **Continuous Output Control** – Focus the arc for different material thickness.
- **Touch Start system** – Reliable plasma arc initiation without high frequency.
- **Rapid Arc Restrike** – Fast cutting through gaps, even expanded metal.
- **Front Panel Purge Control** – Makes it easy to set the air flow rate without initiating the plasma arc.
- **Cool Operation, Long Consumable Life** – New electrode and nozzle design save you money in the long run.
- **Added Safety** – Our Parts-in-Place system detects correct installation of consumables and torch.
- **Engine Drive Compatible** – Select a Lincoln Electric engine driven welder to power your tomahawk in remote locations



Cut performance – Mild Steel Hand Torch



CUTTING PERFORMANCE



SPECIFICATIONS

| Product Name | Product Number | Input Power | Rated Output Current/ Voltage/Duty Cycle | Fuse (delayed) or Circuit Breaker | Pilot Current | Output Range | Air Pressure Required | Air Flow Rate Required | Dimensions H x W x D (mm) | Net Weight Without Torch (kg) |
|---------------|----------------|-------------|--|-----------------------------------|---------------|--------------|-----------------------|------------------------|---------------------------|-------------------------------|
| Tomahawk® 30K | K12038-3 | 230/1/50 | 30A@60% 25A@100% | 16A | 20A | 15-30A | 5.0bar-6.0bar | 125 ±10% l/min | 385 x 215 x 480 | 18.5 |

Processes

- Plasma cutting
- Grid

Applications

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

Input



Output



Tomahawk® 30K (K12038-3) includes:

Internal air compressor [external air connection also standard]

Lincoln Electric LC30 Torch with 4 m cable

Air regulator and pressure gauge

Internal water separator

Work clamp and cable

Spare consumables

Input power cord



Processes

- Plasma cutting
- Grid
- Gouging
- Piercing

Applications

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

Input



Output



Tomahawk® 45 (K14391-1) includes:

- Lincoln Electric LC45 Torch with 6 m cable
- Air regulator and pressure gauge
- Internal water separator
- Work clamp and cable
- Input power cord



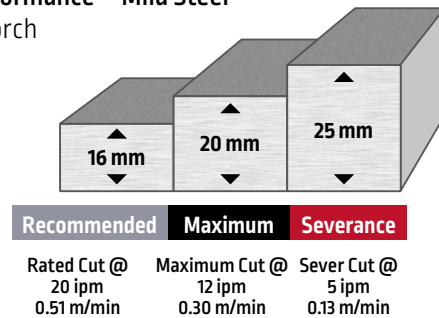
TOMAHAWK® 45

Features

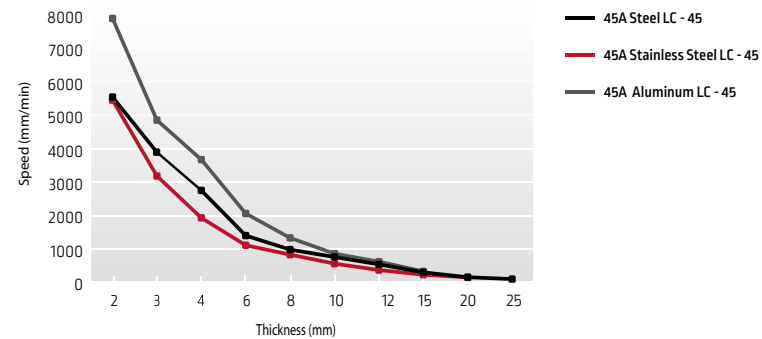
- **TFT 2,8" screen** – For an easier and user friendly user interface
- **Continuous Output Control** – Focus the arc for different material thickness.
- **Touch Start system** – Reliable plasma arc initiation without high frequency.
- **Rapid Arc Restrike** – Fast cutting through gaps, even expanded metal.
- **Front Panel Purge Control** – Makes it easy to set the air flow rate without initiating the plasma arc.
- **Gouging and Grid modes** [adjustable grid's time].
- **Cool Operation, Long Consumable Life** – New electrode and nozzle design save you money in the long run.
- **Added Safety** – Our Parts-in-Place system detects correct installation of consumables and torch.
- **Lightweight and Portable** – Easily carried by one person.
- **Engine Drive Compatible** – Select a Lincoln Electric Outback® or Vantage® to power your Tomahawk® in remote locations



Cut performance – Mild Steel Hand Torch



CUTTING PERFORMANCE



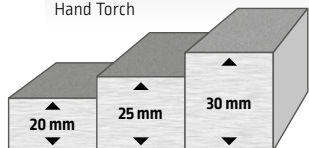
SPECIFICATIONS

| Product Name | Product Number | Input Power | Rated Output Current/ Voltage/Duty Cycle | Fuse (delayed) or Circuit Breaker | Pilot Current | Output Range | Air Pressure Required | Air Flow Rate Required | Dimensions H x W x D (mm) | Net Weight Without Torch (kg) |
|--------------|----------------|-----------------|--|-----------------------------------|---------------|--|-----------------------|------------------------|---------------------------|-------------------------------|
| Tomahawk® 45 | K14391-1 | 120/230/1/50/60 | at 230Vac 45A@45% 40A@60% 30A@100% at 120Vac 22A@60% 15A@100% | 16A | 20A | 15-45A (230 Vac) 15-22A (120 Vac) | 5.0 bar-6.0 bar | 200 ±10% l/min | 385 x 215 x 480 | 11.1 |

TH1025

CUT PERFORMANCE – MILD STEEL

Hand Torch



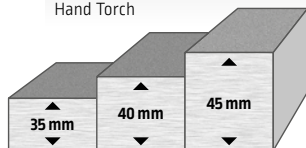
Recommended Maximum Severance

Rated Cut @ 0.5 m/min Maximum Cut @ 0.3 m/min Sever Cut @ 0.18 m/min

TH1538

CUT PERFORMANCE – MILD STEEL

Hand Torch

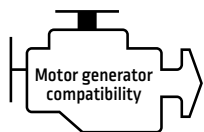


Recommended Maximum Severance

Rated Cut @ 0.38 m/min Maximum Cut @ 0.32 m/min Sever Cut @ 0.18 m/min

TOMAHAWK® 1025 & 1538

- 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)



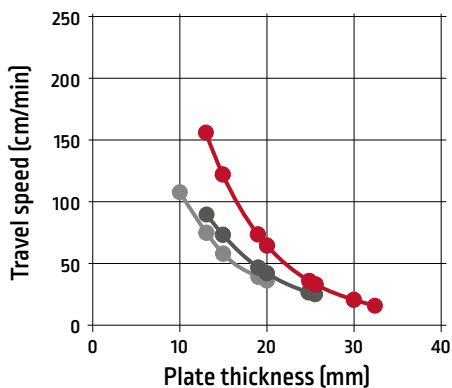
MOTOR GENERATOR COMPATIBILITY:

- minimum power 9.2kW (TH1025), 18kW (TH1538)
- AC waveform peak voltage below 700V.
- RMS voltage of the AC waveform is always equal to 400Vac ±15%.

PERFORMANCE

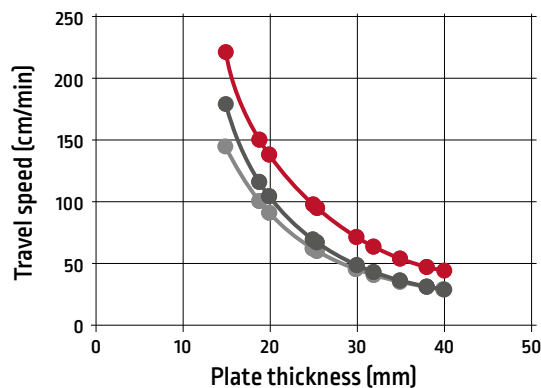
Tomahawk® 1025 with LC65

Comparison at 60A



Tomahawk® 1538 with LC105

Comparison at 100A



● Aluminium ● Mild ● Stainless

AS GOOD AS THE
BEST IN CLASS,
WITH PRICES FAR
BELOW



SPECIFICATIONS

| Product | Item Number | Primary Voltage [50-60Hz] | Rated Output | Cutting Capacity (mm) | Piercing Capacity (mm)* | Flow Rate | Inlet Pressure | Output Range (A) | Weight (kg) | Dimensions HxWxD (mm) |
|----------------|-------------|---------------------------|----------------------|-----------------------|-------------------------|-----------------------------|----------------|------------------|-------------|-----------------------|
| Tomahawk® 1025 | K12048-1 | 400V/3Ph ±15% | 60A/40% 40A/100% | 25 | Max. 12 | 130 ±20% l/min @ 5.5 bar | 6.0-7.5 bar | 20-60 | 22 | 389 x 247 x 510 |
| Tomahawk® 1538 | K12039-1 | | 100A/40% 60A/100% | 40 | Max. 20 | 280 ±20% l/min @ 5.5 bar | 6.0-7.5 bar | 20-100 | 34 | 455 x 301 x 640 |

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Processes

- Plasma cutting (all)
- Plasma gouging
- Grid Mode

Type of Gas

- Air compressed
- Nitrogen

Applications

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

Input



Output



Unit Includes

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



KEY OPTIONS

| | | Tomahawk® 30K | Tomahawk® 45 | Tomahawk® 1025 | Tomahawk® 1538 |
|-------------------------|---------------|---------------|--------------|----------------|----------------|
| Product Number | | K12038-3 | K14391-1 | K12048-1 | K12039-1 |
| Air Filter LAF1250 | W88X1456A | | | • | • |
| Filter Cartridge | W8800117R | | | • | • |
| Cutting circle | W0300699A | • | • | • | • |
| Undercarriage | W0200002 | • | • | | |
| Undercarriage | K2694-1 | | | • | • |
| Remote Control | K12049-1 | | | | • |
| Remote Control Kit | W05X1086A | | | | • |
| Bevel Tool | W03X0893-119A | | | • | • |
| Circle kit to suit LC45 | W100000338 | | • | | |
| Bevel tool to suit LC45 | W100000339 | | • | | |

TORCHES

| | | Tomahawk® 30K | Tomahawk® 45 | Tomahawk® 1025 | Tomahawk® 1538 |
|------------------|------------------|---------------|--------------|----------------|----------------|
| Product Number | | K12038-3 | K14391-1 | K12048-1 | K12039-1 |
| LC 30 (Hand) | W100000325 | • | | | |
| LC 45 (Hand) | W100000327 | | • | | |
| LC65 (Hand) | PTH-061A-CX-7M5A | | | • | |
| | PTH-061A-CX-15A | | | • | |
| LC65M (Machine) | PTM-061A-CX-7M5A | | | • | |
| | PTM-061A-CX-15A | | | • | |
| LC105 (Hand) | PTH-101A-CX-7M5A | | | | • |
| | PTH-101A-CX-15A | | | | • |
| LC105M (Machine) | PTM-101A-CX-7M5A | | | | • |
| | PTM-101A-CX-15MA | | | | • |

RECOMMENDED ACCESSORIES



AIR FILTER LAF1250

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

W88X1456A
W8800117R (filter cartridge)



UNDERCARRIAGE W0200002



UNDERCARRIAGE K2694-1

PLASMA CIRCLE CUTTING GUIDE KIT (CUTTING CIRCLES max diam. 820mm)

W0300699A

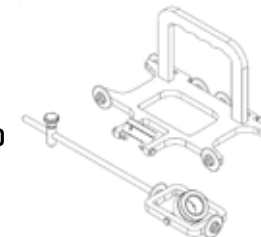


BEVEL TOOL W03X0893-119A



BEVEL TOOL TO SUIT LC45 W100000339

CIRCLE KIT TO SUIT LC45 W100000338



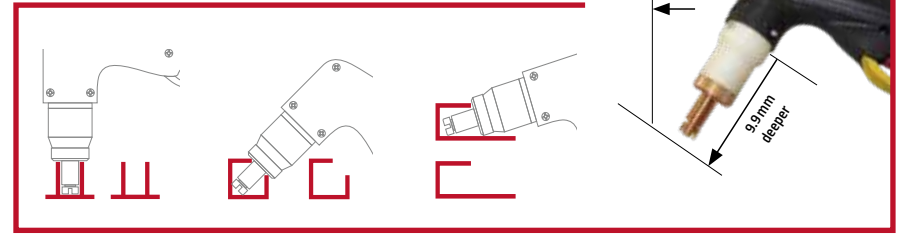
MODERN TORCH TECHNOLOGY

LC65 and LC105

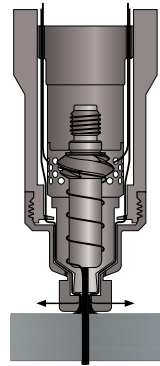
The new torches with longer life time (running cooler). More cutting thickness, higher speed, standard and grid cutting.

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

**ALSO AVAILABLE:
EXTENDED REACH
CONSUMABLES
HELPFUL FOR
CONFINED
SPACES**

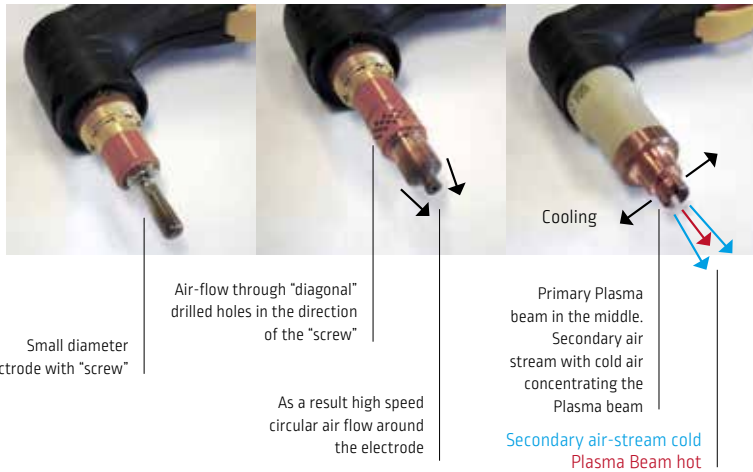


For connection equipment /torch the Tomahawk are provided by **CENTRAL CONNECTOR**



LC105 torch design with drag cup

**HIGHER TRAVEL
SPEED AND
LONGER LIFE TIME
CONSUMABLES**



| CONTACT OPTION 1 | STAND-OFF OPTION 2 | GOUGE OPTION 3 |
|--|--|--|
| | | |
| Convenient for the operator, simply drag the nozzle on the plate. Well protected nozzle. | Maximum flexibility and visibility of the plasma stream. | Allowing you to gouge different materials. |

GOUGING WITH TOMAHAWK® 1025 and 1538

Plasma gouging was developed as a tool for weld removal and weld preparation. Back-gouging was used to remove metal from the reverse side of arc-welded joints to eliminate defects and improve strength. Weld defects such as cracks, porosity, and lack of fusion could be gouged out using a plasma torch and then repaired with a new, sound weld.

TOMAHAWK 1025

Gouging application with manual plasma torch LC65

- Material: Mild Steel
- Suggested speed: 90 cm/min
- Suggested torch inclination: 55° from vertical
- Suggested air pressure: 4.0-4.5 bar
- Print on metal piece: 0.066 cm²
- Material removal capability: 6 cm³/min.

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TOMAHAWK 1538

Gouging application with manual plasma torch LC105

- Material: Mild Steel
- Suggested speed: 90 cm/min
- Suggested torch inclination: 55° from vertical
- Suggested Air pressure: 4.0-4.5 bar
- Print on metal piece: 0.111 cm²
- Material removal capability: 10 cm³/min.

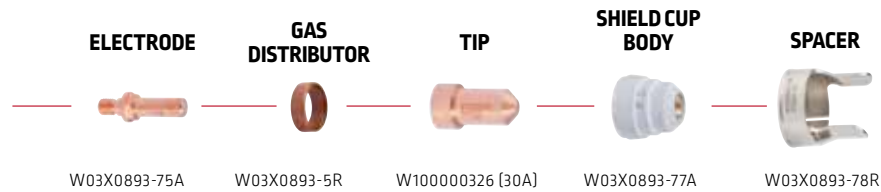
| | LC65 | LC105 |
|--------------------------|------------------|------------------|
| Torch (Hand 75 m) (1 pc) | PTH-061A-CX-7M5A | PTH-101A-CX-7M5A |
| Torch (Hand 15 m) (1 pc) | PTH-061A-CX-15MA | PTH-101A-CX-15MA |

LC 30 (Hand)

LC30 Hand 4m | W100000325



12/20 mm



PLASMA-BOX LC30 W100000361



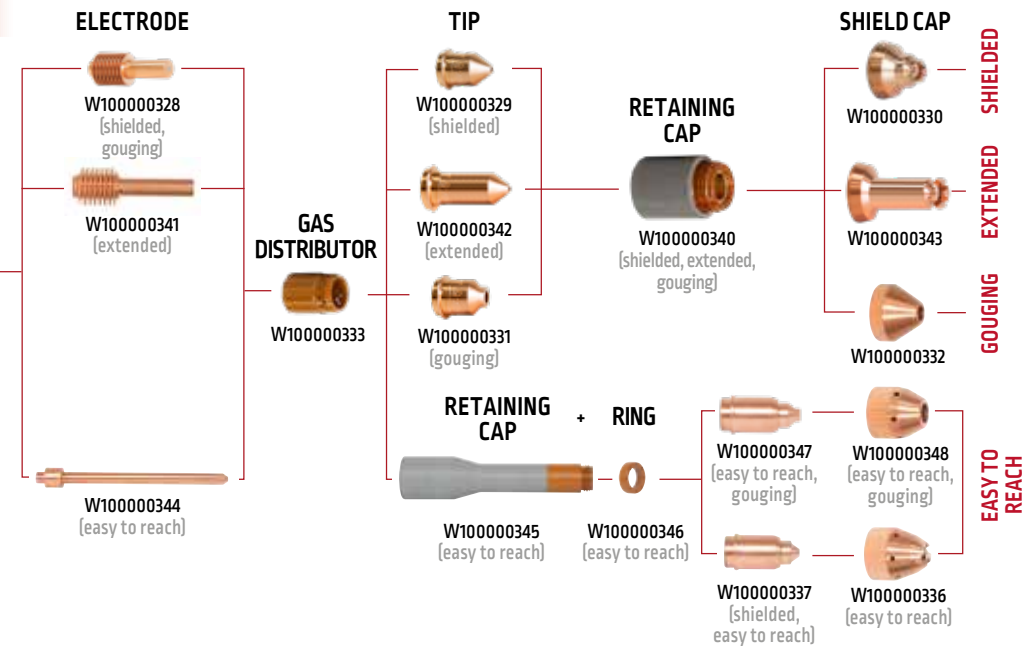
| Part | Quantity | Reference | |
|-----------------|----------------|--------------|--------------|
| Electrode | 10 | W03X0893-75A | |
| Gas distributor | 3 | W03X0893-5R | |
| Tip | shielded – 30A | 10 | W100000326 |
| Shield cap body | 1 | W03X0893-77A | |
| Spacer | 40-80A | 3 | W03X0893-78R |

LC 45 (Hand)

LC45 Hand 6M | W100000327



16/25 mm



LEVEL CUT W100000335



EASY TO REACH CARTRIDGE W100000334



PLASMA-BOX LC45 W100000362



| Part | Quantity | Reference |
|-----------------|----------|------------|
| Electrode | 5 | W100000328 |
| Gas distributor | 1 | W100000333 |
| Tip 45A | 5 | W100000329 |
| Retaining Cap | 1 | W100000340 |
| Shield Cap | 1 | W100000330 |

25/30 mm

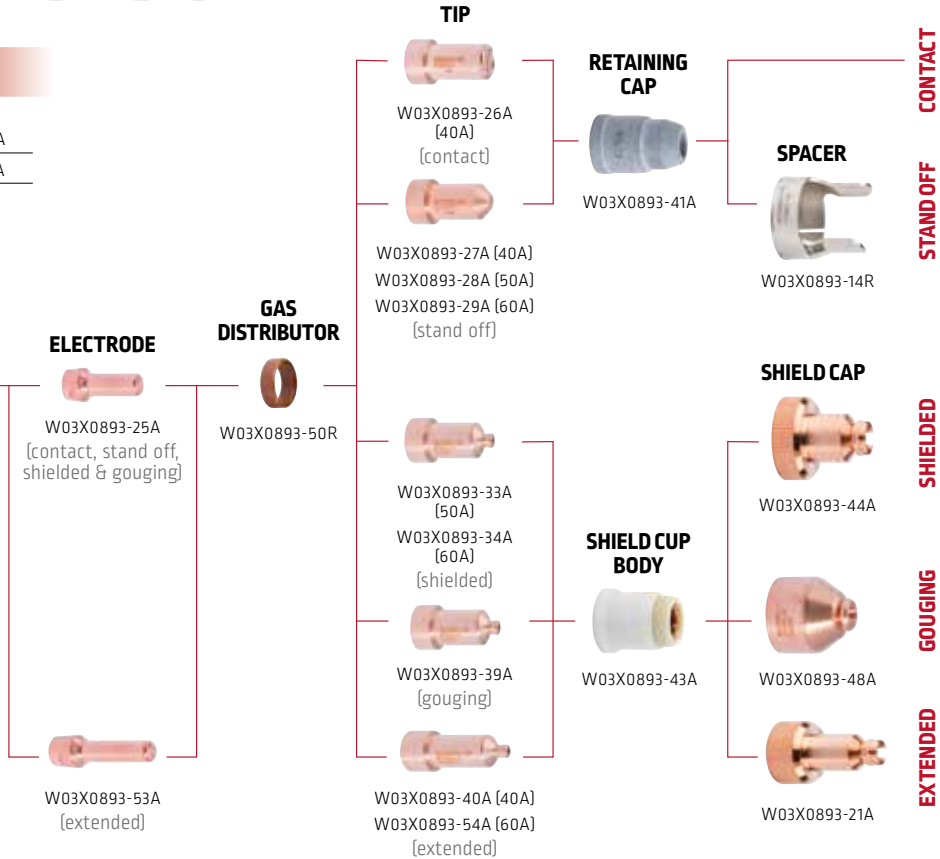
LC 65 (Hand)

| | |
|-----------------|------------------|
| LC 65 Hand 7,5M | PTH-061A-CX-7M5A |
| LC 65 Hand 15M | PTH-061A-CX-15MA |



LC 65

Air cooled
130 l/min@5,0 bar
60A@60%
25mm mild steel
30mm severance



| Part | Quantity | Reference |
|-------------------------------|----------|--------------|
| Electrode | 25 | W03X0893-25A |
| | 3 | W03X0893-53A |
| Gas distributor | 2 | W03X0893-50R |
| | 10 | W03X0893-29A |
| Tip | 5 | W03X0893-34A |
| | 3 | W03X0893-39A |
| | 3 | W03X0893-54A |
| | 1 | W03X0893-41A |
| Retaining cap | 1 | W03X0893-41A |
| Shield cap body | 1 | W03X0893-43A |
| Spacer | 1 | W03X0893-14R |
| | 1 | W03X0893-44A |
| Shield cap | 1 | W03X0893-48A |
| | 1 | W03X0893-21A |
| O-ring | 2 | - |
| Silicone lubricant for o-ring | 1 | - |



PLASMA-BOX LC65
W03X0893-113A

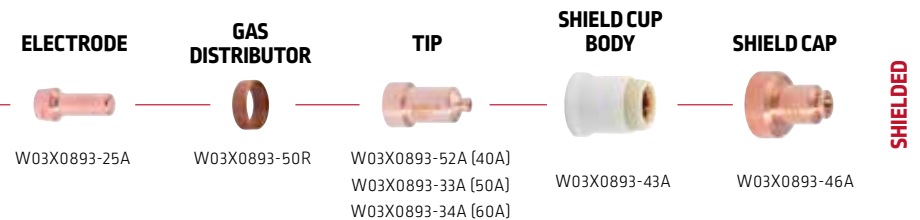
LC 65M (Machine)

| | |
|---------------------|------------------|
| LC 65M Machine 7,5M | PTM-061A-CX-7M5A |
| LC 65M Machine 15M | PTM-061A-CX-15MA |



LC 65M

Air cooled
130 l/min@6,0 bar
60A@60%
25mm mild steel
30mm severance



40/45 mm

LC 105 (Hand)

| | |
|-----------------|------------------|
| LC 105 Hand 75M | PTH-101A-CX-7M5A |
| LC 105 Hand 15M | PTH-101A-CX-15MA |



ELECTRODE



GAS DISTRIBUTOR



TIP



SHIELD CUP BODY



SHIELD CAP



SHIELDED
GOUGING
EXTENDED

| Part | Quantity | Reference |
|-------------------------------|----------|--------------|
| Electrode | 20 | W03X0893-60A |
| | 3 | W03X0893-57A |
| Gas distributor | 2 | W03X0893-70R |
| | 5 | W03X0893-62A |
| Tip | 15 | W03X0893-64A |
| | 5 | W03X0893-65A |
| | 3 | W03X0893-73A |
| Shield cap body | 1 | W03X0893-66A |
| | 1 | W03X0893-67A |
| Shield cap | 1 | W03X0893-69A |
| | 1 | W03X0893-74A |
| O-ring | 2 | - |
| Silicone lubricant for o-ring | 1 | - |



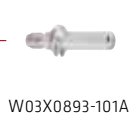
PLASMA-BOX LC105
W03X0893-115A

LC 105M (Machine)

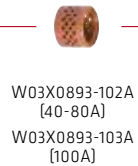
| | |
|---------------------|------------------|
| LC 105M Machine 75M | PTM-101A-CX-7M5A |
| LC 105M Machine 15M | PTM-101A-CX-15MA |



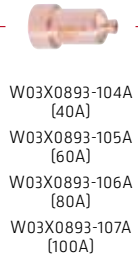
ELECTRODE



GAS DISTRIBUTOR



TIP



SHIELD CUP BODY



SHIELD CAP



SHIELDED

| Part | Quantity | Reference |
|-------------------------------|----------|---------------|
| Electrode | 20 | W03X0893-101A |
| Gas distributor | 1 | W03X0893-102A |
| | 2 | W03X0893-103A |
| Tip | 5 | W03X0893-105A |
| | 10 | W03X0893-106A |
| | 20 | W03X0893-107A |
| Shield cap body | 1 | W03X0893-112A |
| Shield cap | 2 | W03X0893-110A |
| | 2 | W03X0893-111A |
| O-ring | 2 | - |
| Silicone lubricant for o-ring | 1 | - |



CUSTOMER ASSISTANCE POLICY

Lincoln Electric® business is manufacturing and selling high quality welding equipment, consumables, and cutting equipment. Our challenge is to meet the needs of our customers and to exceed their expectations. On occasion, purchasers may ask Lincoln Electric® for advice or information about their use of our products. We respond to our customers based on the best information in our possession at that time. Lincoln Electric® is not in a position to warrant or guarantee such advice and to the extent permitted by law assumes no liability, with respect to such information or advice. As a matter of practical consideration, we also cannot assume any responsibility for updating or correcting any such information or advice once it has been given. The provision of information or advice does not create, expand or alter this warranty. Lincoln Electric® is a responsive manufacturer, but the selection and use of specific products sold by Lincoln Electric® is solely within the control of, and remains the sole responsibility of the customer. Many variables beyond the control of Lincoln Electric® affect the results obtained in applying this type of fabrication methods and service requirements.

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The Lincoln Electric Company (Australia) Pty. Ltd.
35 Bryant Street Padstow NSW 2211 Australia
Ph: 1300 728 720 (AU) | 0800 728 720 (NZ)
www.lincolnelectric.com.au

