

# PLASMA CUTTING RANGE

CITOCUT 30K · CITOCUT 45  
CITOCUT 60 · CITOCUT 100



# 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.

**Citocut 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 **Citocut 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.

**Citocut 60 & 100** - 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 (Citocut 60) and up to 40 mm mild steel (Citocut 100).

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

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



# CITOCUT 30K

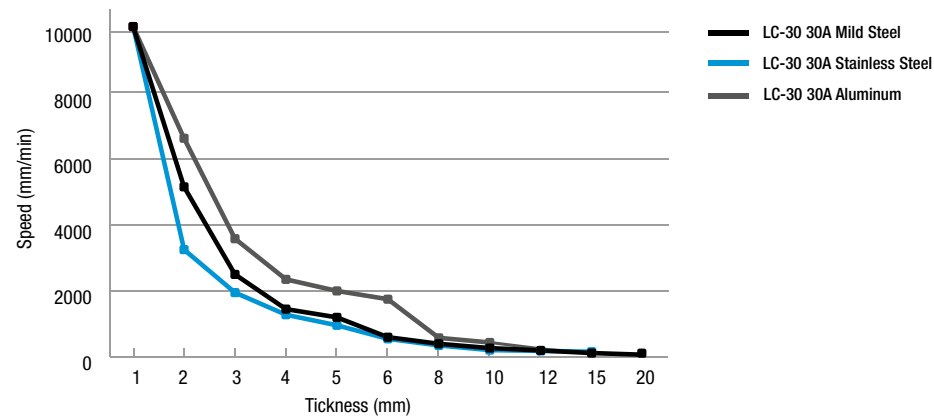
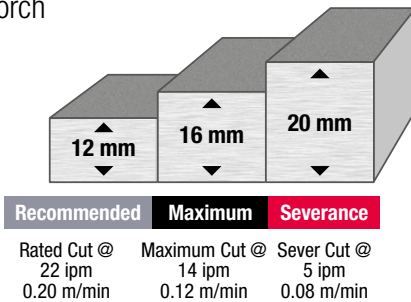
## FEATURES

- 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 Citocut in remote locations



## CUTTING PERFORMANCE

### Cut performance – Mild Steel Hand Torch



## 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)
CITOCUT 30K	W100000319	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



Citocut 30K (W100000319) 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

**Citocut 45 (W100000321) includes:**

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



# CITOCUT 45

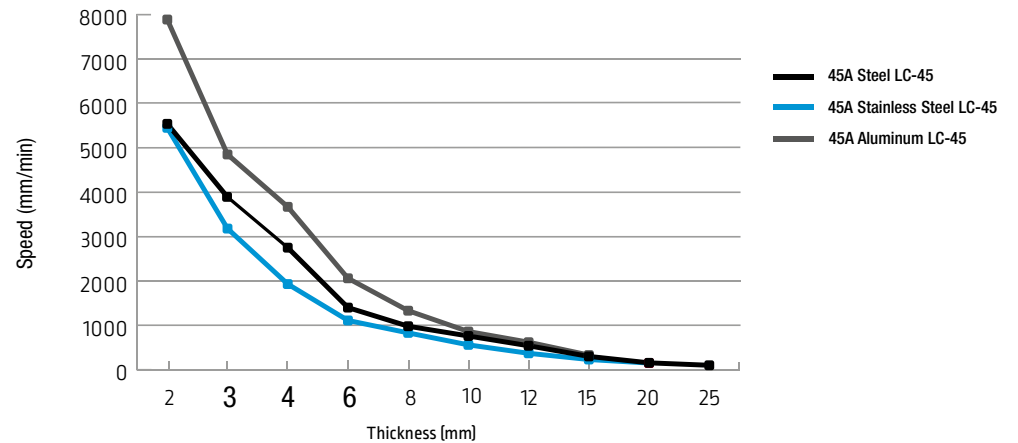
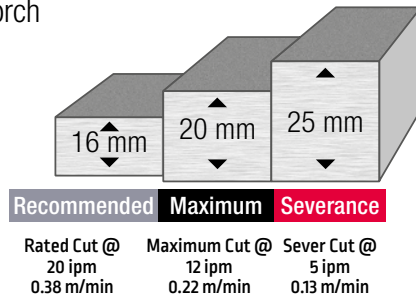
## FEATURES

- 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 Citocut in remote locations



## CUTTING PERFORMANCE

### Cut performance – Mild Steel Hand Torch



## 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)
CITOCUT 45	W100000321	120/230/1/50/60	at 230Vac 45A@45% 40A@60% 30A@100% at 120Vac 22A@60% 15A@100%	16 A	20 A	15- 45 A (230Vac) 15- 22 A (120Vac)	5.0bar – 6.0bar	200 ±10% l/min	385 x 215 x 480	11.1

## CITOCUT 60

## CITOCUT 100

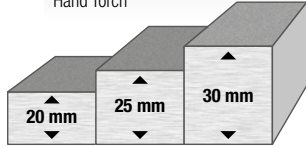
# CITOCUT 60 & 100

### FEATURES

- 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.
- Stepless current control.
- Remote kit (optional) that allows the unit to receive an external ON-OFF trigger for mechanized processes (only for CITOCUT 100)

#### CUT PERFORMANCE – MILD STEEL

Hand Torch

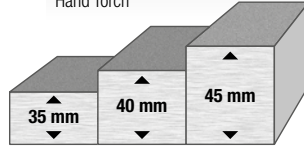


Recommended Maximum Severance

Rated Cut @ 0,5 m/min Maximum Cut @ 0,3 m/min Sever Cut @ 0,18 m/min

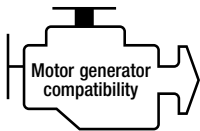
#### CUT PERFORMANCE – MILD STEEL

Hand Torch



Recommended Maximum Severance

Rated Cut @ 0,38 m/min Maximum Cut @ 0,32 m/min Sever Cut @ 0,18 m/min



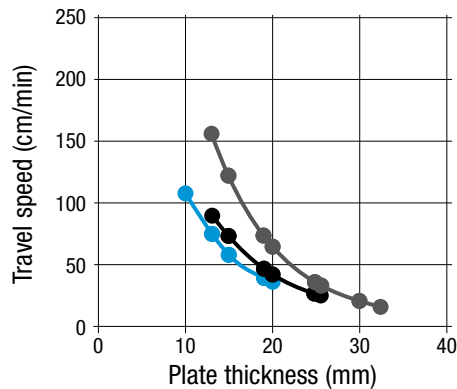
#### MOTOR GENERATOR COMPATIBILITY:

- minimum power 9,2kW (CITOCUT 60), 18kW (CITOCUT 100)
- AC waveform peak voltage below 700V.
- RMS voltage of the AC waveform is always equal to 400Vac ±15%.

### PERFORMANCE

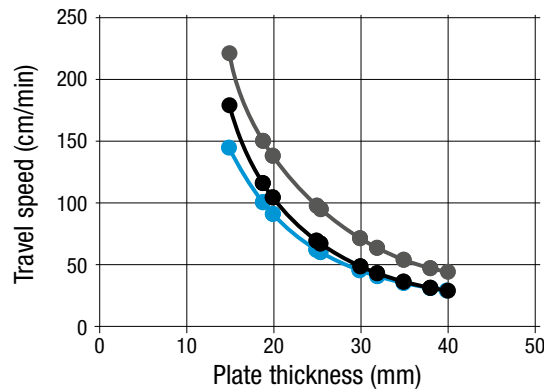
#### CITOCUT 60 with LC65

Comparison at 60A



#### CITOCUT 100 with LC105

Comparison at 100A



● Mild ● Stainless ● Aluminium

### SPECIFICATION

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)
CITOCUT 60	W000403595	400V/3Ph ±15%	60A/40% 40A/100%	25	Max. 12	130 ±20% l/min @ 5.5bar	6,0 - 7,5 bar	20-60	22	389 x 247 x 510
CITOCUT 100	W000403597		100A/40% 60A/100%	40	Max. 20	280 ±20% l/min @ 5.5bar	6,0 - 7,5 bar	20-100	34	455 x 301 x 640

www.lincolnelectric.eu

WARRANTY  
**3**  
YEARS



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

#### 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



www.lincolnelectric.com/green

## KEY OPTIONS

		Citocut 30K	Citocut 45	Citocut 60	Citocut 100
Product Number		W100000319	W100000321	W000403595	W000403597
Air Filter LAF1250	W88X1456A			•	•
Filter Cartridge	W8800117R			•	•
Cutting circle	W0300699A	•	•	•	•
Undercarriage	W0200002	•	•		
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

		Citocut 30K	Citocut 45	Citocut 60	Citocut 100
Product Number		W100000319	W100000321	W000403595	W000403597
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

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

W0300699A



### BEVEL TOOL W03X0893-119A

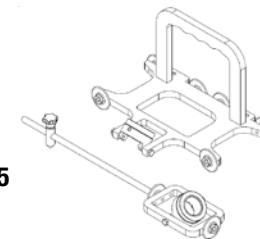


### BEVEL TOOL TO SUIT LC45

W100000339

### CIRCLE KIT TO SUIT LC45

W100000338

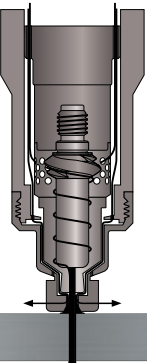


# MODERN TORCH TECHNOLOGY

## LC65 and LC105

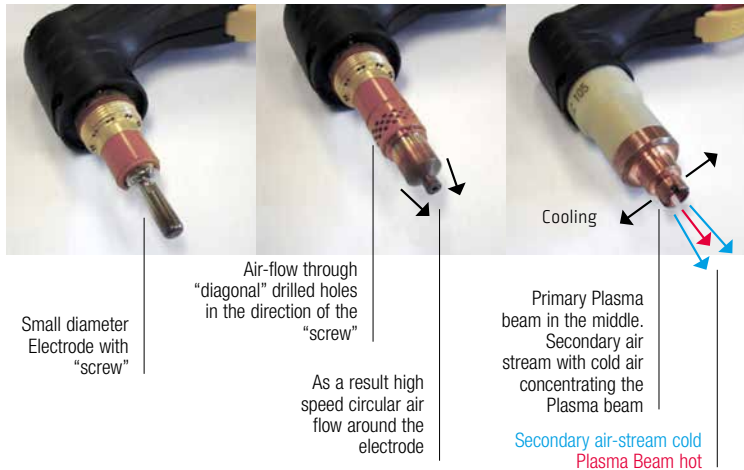
– the new torches with longer life time (running cooler). More cutting thickness, higher speed, standard and grid cutting.

- 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

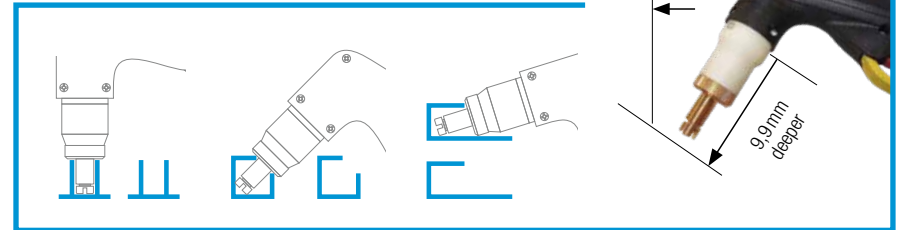


LC105 torch design with drag cup

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



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



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



CONTACT	STAND-OFF	GOUGE
OPTION 1	OPTION 2	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 CITOCUT 60 & 100

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.

### CITOCUT 60

**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 cm<sup>2</sup>
- Material removal capability : 6 cm<sup>3</sup>/min.

### CITOCUT 100

**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 cm<sup>2</sup>
- Material removal capability : 10 cm<sup>3</sup>/min.

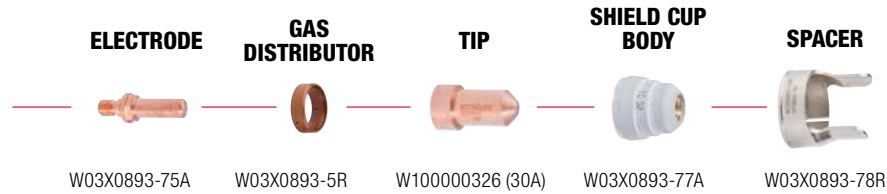
	LC65	LC105
Torch (Hand 7,5 m) (1 pc)	<b>PTH-061A-CX-7M5A</b>	<b>PTH-101A-CX-7M5A</b>
Torch (Hand 15 m) (1 pc)	<b>PTH-061A-CX-15MA</b>	<b>PTH-101A-CX-15MA</b>

## LC 30 (Hand)

LC30 Hand 4m | W100000325



# 12/20 mm



**PLASMA-BOX LC30**  
W100000361

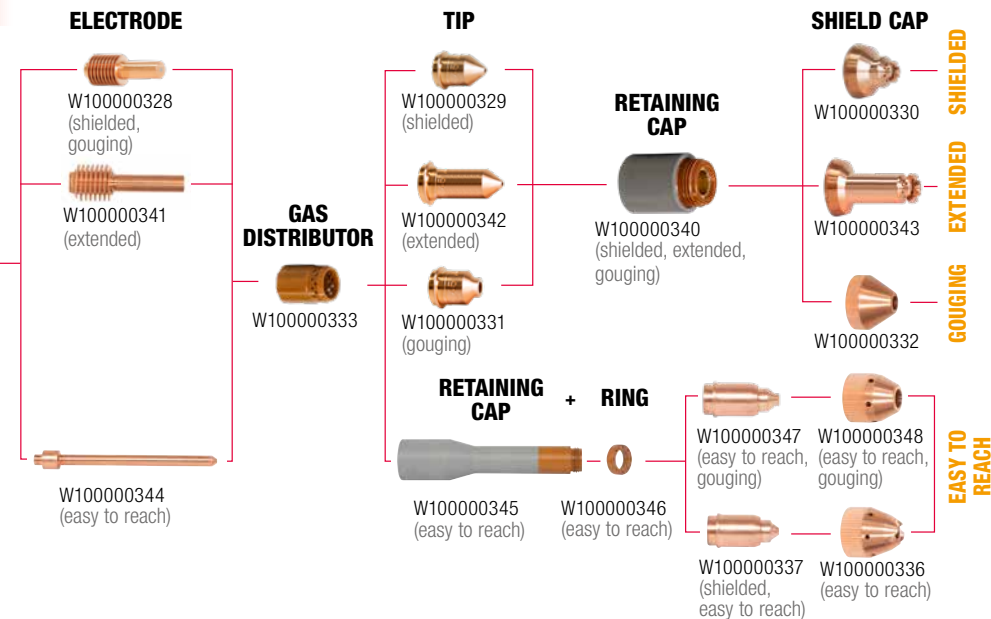


Part	Quantity	Reference	
Electrode	10	W03X0893-75A	
Gas distributor	3	W03X0893-5R	
Tip	shielded - 30A	10	W100000326
Shield cap body	1	W03X0893-77A	
Spacer	40 - 80A	3	W03X0893-78R

# 16/25 mm

## LC 45 (Hand)

LC45 Hand 6M | W100000327



**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

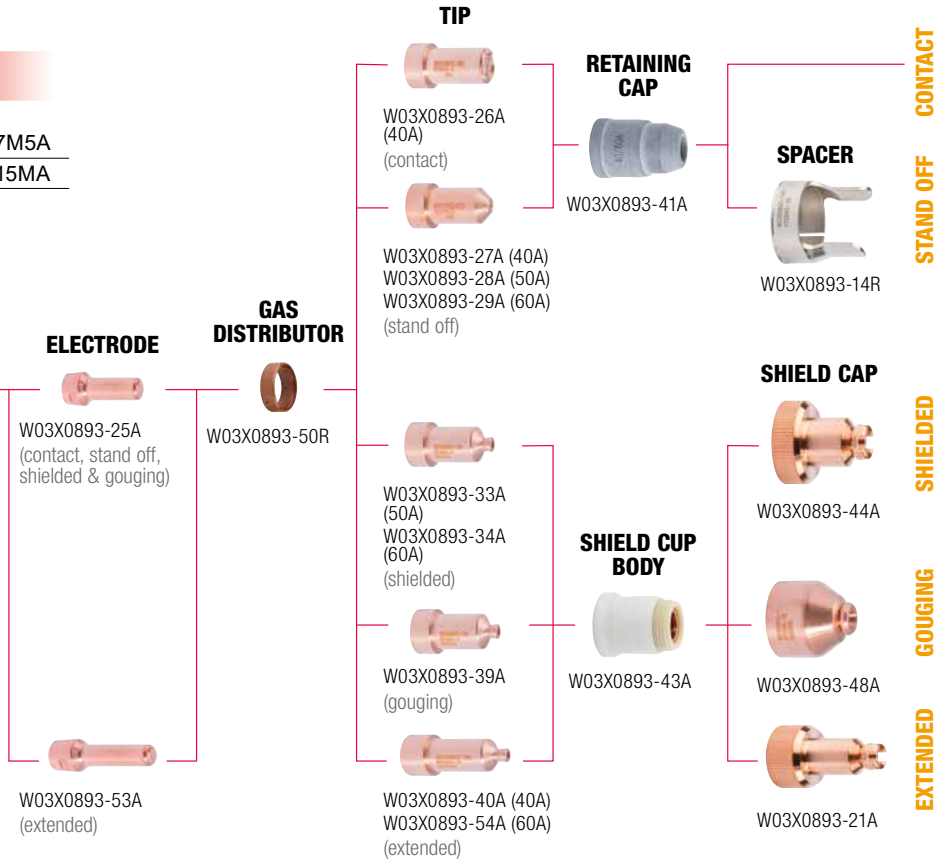
## LC 65 (Hand)

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
Tip	10	W03X0893-29A
	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
Shield cap	1	W03X0893-44A
	1	W03X0893-48A
	1	W03X0893-21A
O-ring	2	-
Silicone lubricant for o-ring	1	-



**PLASMA-BOX LC65**  
W03X0893-113A

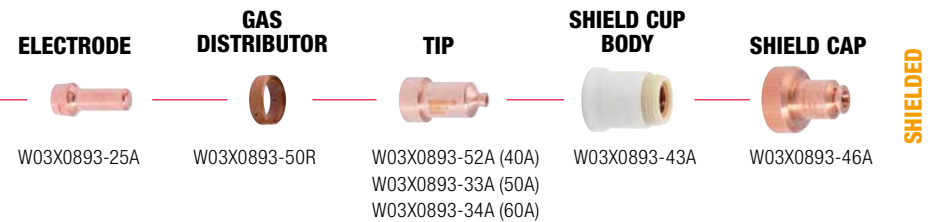
## LC 65M (Machine)

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



**LC 65M**

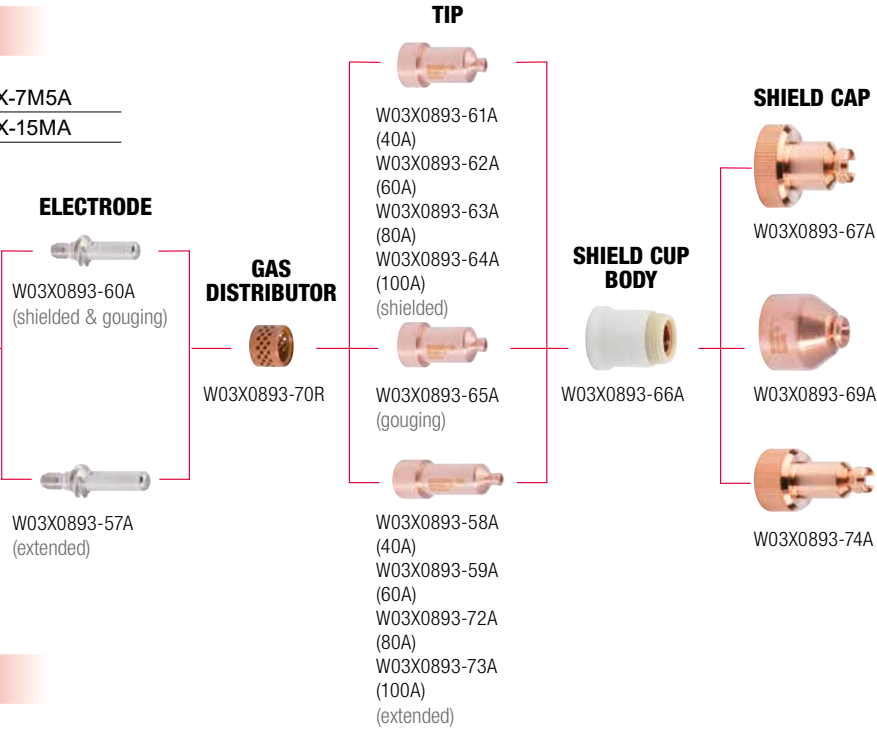
**Air cooled**  
130 l/min@6,0 bar  
60A@60%  
25mm mild steel  
30mm severance



# 40/45 mm

## LC 105 (Hand)

LC 105 Hand 7,5M	PTH-101A-CX-7M5A
LC 105 Hand 15M	PTH-101A-CX-15MA



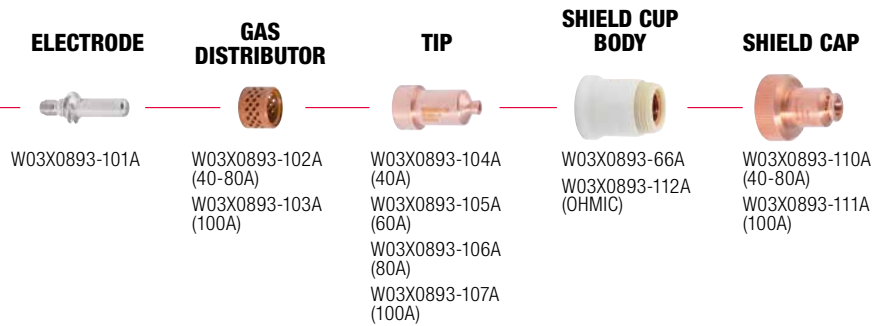
Part	Quantity	Reference
Electrode	20	W03X0893-60A
	3	W03X0893-57A
Gas distributor	2	W03X0893-70R
	5	W03X0893-62A
Tip	15	W03X0893-64A
	5	W03X0893-65A
	3	W03X0893-73A
Shield cap body	1	W03X0893-66A
	1	W03X0893-67A
Shield cap	1	W03X0893-69A
	1	W03X0893-74A
	2	-
O-ring	2	-
Silicone lubricant for o-ring	1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



**PLASMA-BOX LC105**  
W03X0893-115A

## LC 105M (Machine)

LC 105M Machine 7,5M	PTM-101A-CX-7M5A
LC 105M Machine 15M	PTM-101A-CX-15MA



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



**PLASMA-BOX LC105M**  
W03X0893-117A



LINCOLN  
ELECTRIC

HIGH  
BOX

LEADLINE  
by Lincoln Electric



LINCOLN  
ELECTRIC



**CUSTOMER ASSISTANCE POLICY**

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