

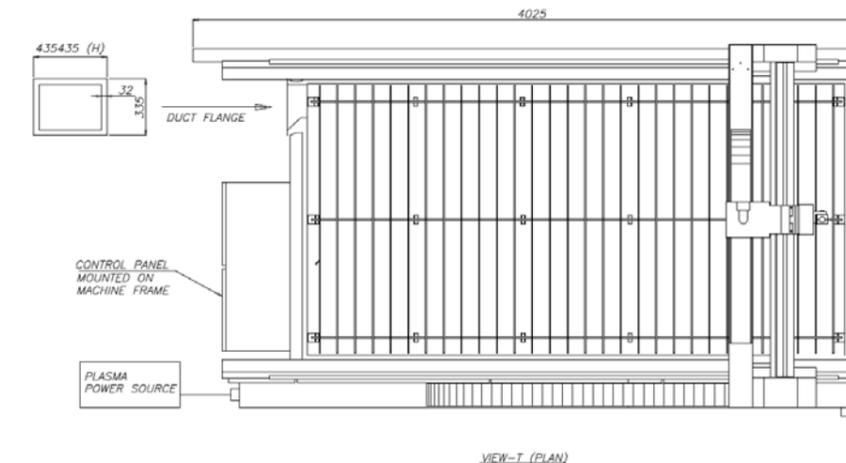
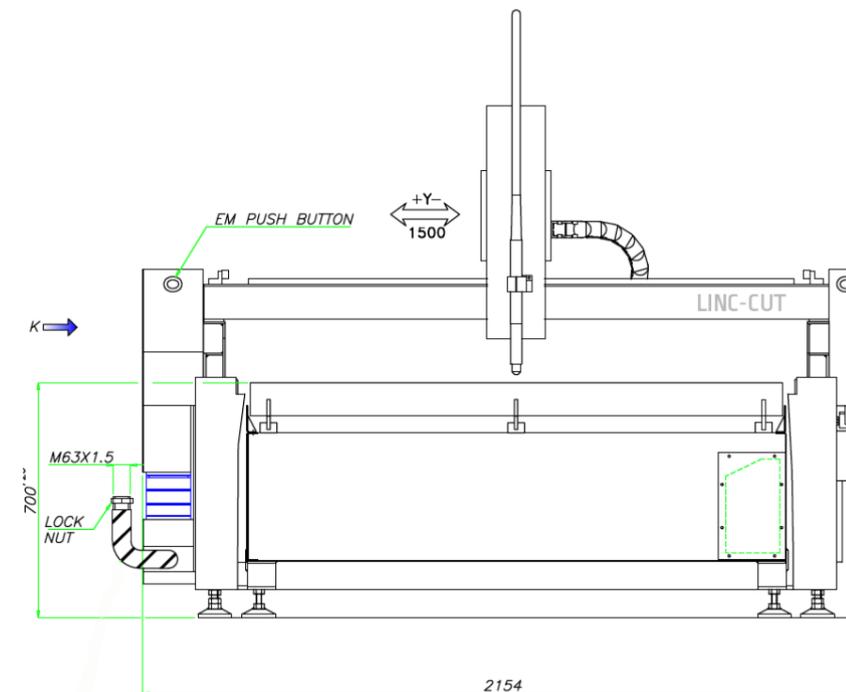


Strong, flexible and precise up to 30 mm!

# LINC-CUT®

Plasma cutting without compromises

## LINC-CUT Dimensions



Lincoln Electric Deutschland  
ZNL der Lincoln Smitweld BV, Nijmegen  
Werkstrasse 5 · D-64732 Bad Koenig  
+49 6063 57721 0  
[www.lincolnelectriccutting.eu](http://www.lincolnelectriccutting.eu)



**Cutting  
Solutions**

### LEITSÄTZE UNSERES KUNDENDIENSTES

Das Geschäft von The Lincoln Electric Company® ist die Herstellung und der Verkauf hochwertiger Schweißgeräte, Verschleißteile und Schneidgeräte. Unsere Herausforderung besteht darin, die Bedürfnisse unserer Kunden zu erfüllen und ihre Erwartungen zu übertreffen. Gelegentlich bitten uns Käufer um Informationen und Empfehlungen zum Gebrauch unserer Produkte. Diesen Anfragen werden von unseren Mitarbeitern auf der Basis der von den Kunden zur Verfügung gestellten Informationen und ihren eigenen anwendungsspezifischen Kenntnissen nach bestem Wissen beantwortet. Unsere Mitarbeiter sind jedoch nicht in der Lage, die ihnen übermittelten Angaben zu überprüfen, noch können sie die technischen Anforderungen des jeweiligen Anwendungsfalls beurteilen. Lincoln Electric übernimmt daher in Bezug auf solche Informationen oder Empfehlungen keinerlei Gewährleistung, Garantie oder Haftung. Ferner führt die Bereitstellung solcher Informationen oder Empfehlungen nicht zur Entstehung, Erweiterung oder Änderung irgendeiner Form der Gewährleistung für unsere Produkte. Insbesondere übernehmen wir keine ausdrückliche oder stillschweigende Garantie, die aus den zur Verfügung gestellten Informationen oder Empfehlungen hervorgehen könnten. Dies gilt auch im Hinblick auf eine stillschweigende Gewährleistung der allgemeinen Gebrauchstauglichkeit oder der Eignung für einen bestimmten Zweck des Kunden.

Lincoln Electric ist ein Hersteller, der stets offen für alle Belange seiner Kunden ist. Die Verantwortung für die Auswahl und den Gebrauch der einzelnen, von Lincoln Electric verkauften Produkte liegt jedoch ausschließlich beim Kunden. Die mit den entsprechenden Verarbeitungsverfahren und Wartungsanforderungen in der Praxis erzielten Ergebnisse unterliegen vielen verschiedenen Faktoren, die außerhalb des Einflussbereichs von Lincoln Electric liegen.

Änderungen bleiben vorbehalten – Diese Informationen entsprechen unserem Kenntnisstand bei der Drucklegung. Die aktuellsten Informationen finden Sie auf [www.lincolnelectric.com](http://www.lincolnelectric.com).



## The LINCOLN ELECTRIC company

Founded in 1895 by John C. Lincoln, The Lincoln Electric Company is the world leader in the design, development and manufacture of arc welding products, robotic arc welding systems, plasma and oxyfuel cutting equipment and has a leading global position in the brazing and soldering alloys market. Headquartered in Cleveland, Ohio, Lincoln Electric has a global network of manufacturing, distribution, sales and technical support covering more than 160 countries.

### INNOVATION

With a long history of innovation in arc welding and cutting equipment, Lincoln Electric has been providing state-of-the-art products and comprehensive process solutions to our customers for more than a century. In the past decade, we have combined the resources and expertise of several leading companies – Torchmate®, Vernon Tool®, Burny Kaliburn®, Burlington Automation® and others – to create a single cutting entity to address every possible customer need. What’s more, we’ve developed a worldwide network of R&D centers to oversee the most comprehensive research and product development program in the global welding and cutting industries.

### CUSTOMER COMMITMENT AND SUPPORT

Lincoln Electric owes its position as an industry leader to an enduring combination of high quality products, technical expertise and unwavering customer support. Whether you’re welding, cutting, integrating an automated system into your existing operation or taking your existing automated system to a new level, we’ll help you find a way to do it better and more cost efficiently. If there’s a way to improve your product and your bottom line, we’ll show you how it can be done.

We are driven by customer satisfaction and known as the supplier of choice in the many industries we serve. We continuously strive to exceed customer expectations and are not simply known as a provider of equipment and consumables, but as a provider of complete welding and cutting solutions.



## The Cutting industry

### Our solutions to meet your demanding requirements

LINCOLN ELECTRIC is no stranger to the fabrication industry. It’s the arena in which we’ve maintained a leadership position for more than a century. In our company’s history, we’ve learned that welding is always synonymous with cutting. It’s a fact of life in virtually every related industry: aerospace, automotive, machinery, mining, farming, construction, structural steel, oil, gas and more. No matter the application, no matter the material, no matter the shape, we have the tools and solutions that will enable you to make the cut.

### OUR MANY DIMENSIONS, YOUR SINGLE SOURCE

At every step in our evolution we’ve focused on building a portfolio of expertise that encompasses every cutting application within the fabrication and industrial manufacturing universe: plasma cutting and motion control, plate cutting, tube and pipe cutting, structural steel cutting and more. There are no miscellaneous brands or products; every segment of Lincoln Electric’s overall business is directly aimed at providing solutions to the challenges you face every day. After all, cutting is about much more than just material separation; it’s about material handling, robotics and automation, regulatory compliance, part quality and a host of other concerns. We’re the one source and the one partner you’ll ever need to address it all.

### MEETING EVERY CHALLENGE

What started with welding several decades ago has evolved into a range of applications and solutions that apply to virtually every segment of the manufacturing process, including cutting. That’s why Lincoln Electric invests in the largest application engineering, automation and R&D support centers in the industry. Highly trained and experienced technologists, engineers and applications personnel are available to not only troubleshoot customer problems in the field – anywhere in the world – but also develop new process or consumable solutions based on whatever customer challenges we encounter. In the end, this industry-leading technical support team has one focus: providing you with the best cutting solutions for your specific needs.

# LINC-CUT Professional plasma cutting

Advanced Technology | Easy to use

## THE LINC-CUT PLASMA SYSTEM PACKAGE

The LINC-CUT plasma cutting system is designed for a number of applications and cuts steel from 1 – 25 mm. The LINC-CUT is a modern, high-quality cutting system, suited for smaller fabrication shops as it requires little space, and boasts impressive performance data.

All components integrated in the LINC-CUT are exclusively manufactured by LINCOLN ELECTRIC® and are therefore perfectly attuned. No matter whether it is the BURNY DAGGER NC – equipped with our SmartHC plasma torch height control -, FLEXCUT 125A, or the Spirit II FineLine plasma power source or the integrated CAD/CAM software, and – last but not least – the machine frame with linear bearings for the X, Y and Z axes, all are perfectly matched and deliver perfect results.

The LINC-CUT comes standard with the FLEXCUT 125A air plasma power source and can pierce and cut mild steel with a thickness of up to 25 mm. It cuts 10 mm mild steel, for instance, at a speed of 3,250 mm/min. The FLEXCUT 125 supports both plasma cutting and plasma marking with the same set of consumables.

The optionally available plasma power sources of the SPIRIT II series permit to meet the highest quality standards in plasma cutting.



## CUSTOMERS

- Small and medium metalworking shops

# Practical design

Flexibility for your day-to-day production operations

## DESIGNED TO MEET HIGH STANDARDS

The rigid steel frame construction of the machine is equipped with linear bearings for the X, Y and Z axes and significantly contributes to the precise guidance of the cutting unit. This permits very smooth movements and an excellent and consistent positioning accuracy.

The steel frame is at the same time the base frame for the LINC-CUT cutting table. It consists of a plate support system of 1,500 x 3,000 mm containing individual dross containers. The flap control permits the extraction on individual table segments exactly where the cutting fumes arise. Each container can be removed and be easily cleaned from burning residues and dross. The plate support system can carry steel plates of up to 30 mm, is stand-alone and isolates all impact loads on the machine frame that may occur during loading and unloading.



Lateral guidance of the LINC-CUT



Height control with plasma torch



Segments and dross containers in cutting table

# BURNY DAGGER NC

Compact controller for shape cutting



15" Touch screen with BURNY® 8 software

The Dagger NC offers you the performance of a top CNC controller based on our more than 40 years of experience in the fields of motion control and cutting. It is designed for multiple-axis cutting machines, is based on an approved hardware platform and is state-of-the-art in CNC technology, and allows you to increase productivity and profitability and to cut costs.

Our Burny 8 software offers you the flexibility, ease of operation and technology which our experience and our expertise entrust to your staff - with the result of optimum cutting quality and high productivity.

The DAGGER NC is the most compact controller in the shape cutting market. The DAGGER NC offers easy relay based I/O, support for advanced plasma features and integrated torch height control (SmartHC™).



BURNY® DAGGER NC controller



BURNY® DAGGER NC controller, integrated into the control center of LINC-CUT®

BURNY® 8 software plasma setting



BURNY® 8 software nesting



# Power with 125 Ampere for LINC-CUT

FLEXCUT™ 125



For cutting steel parts in a production setting customers want a plasma cutting solution that will give them the cleanest and fastest cuts possible.

With 125 amps at 100% duty cycle, the FLEXCUT™ adds power to the speed and precision equation.

Built on an inverter platform the FLEXCUT 125 is a constant-current plasma cutting power source that delivers superior cut quality with minimal dross - which minimizes the need for secondary finishing operations.

The FLEXCUT 125 initiates the plasma arc with a simple yet reliable touch-start mechanism that eliminates many of the failure problems associated with high-frequency start systems.

The control system includes Parts-in-Place™, an internal control service that ensures that all consumables required for operating the system are in place before starting the cutting or gouging process.

Add to that our consumable design\* providing a significantly longer consumable life than competitors and the FLEXCUT 125 has the potential to significantly reduce your operating costs.



## Optional high-definition Fine Line plasma cutting:

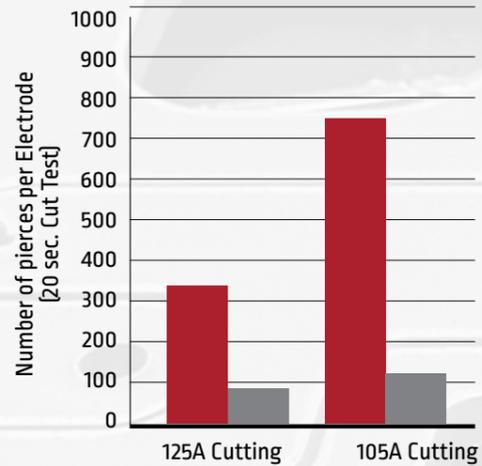
You need stainless steel cuts with minimum angular deviation and oxide-free cut surfaces, or want to cut top-quality bolt-holes? For such special applications, we offer you the SPIRIT II 150 high-definition Fine Line plasma power source.



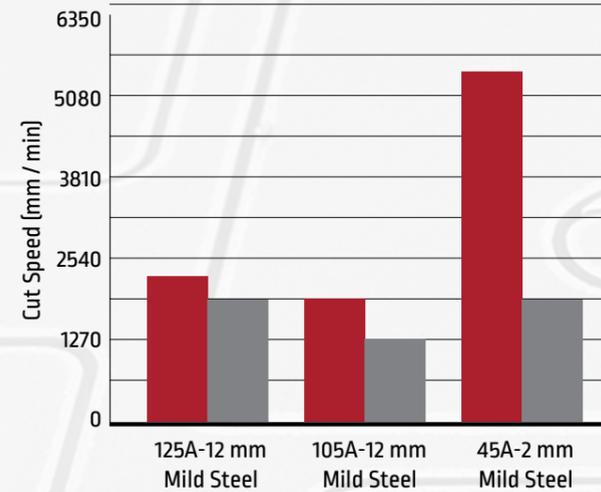
# Top performance with FLEXCUT 125 A

Faster cutting of quality parts in mild steel, stainless steel and aluminum

ELECTRODE LIFE COMPARISON\*



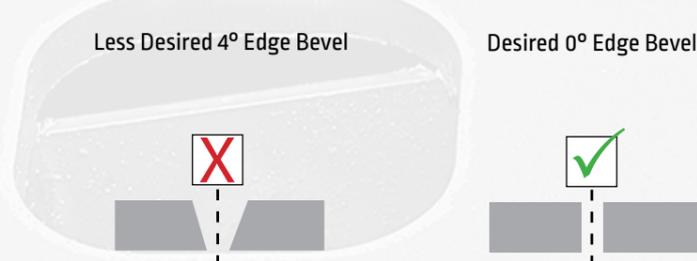
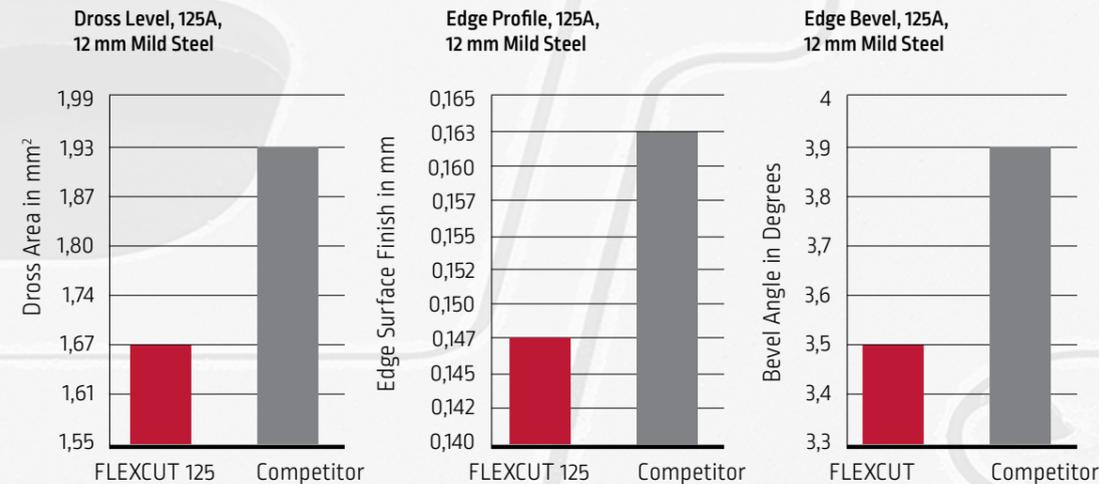
CUT SPEED COMPARISON\*



The FLEXCUT 125 offers you:

- higher cutting speeds
- less beveling of the cut edge
- better cutting quality and performance
- longer service life of consumables

CUT QUALITY COMPARISONS\*

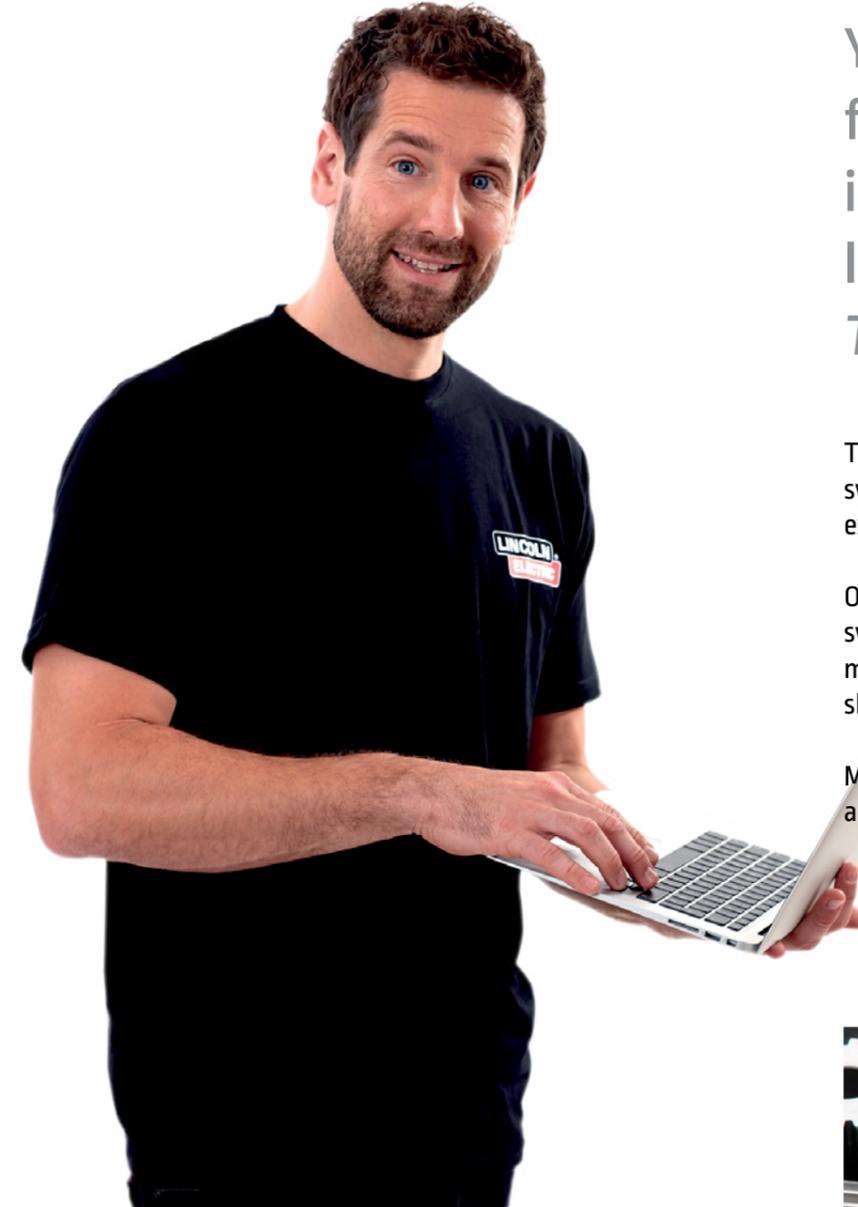


■ LINCOLN ELECTRIC FLEXCUT 125  
■ Competitor

\*Claims based upon tests conducted by LINCOLN ELECTRIC in 2016 using an LC125M Torch

# You can rely on us

One manufacturer and one contact for service and support



You do not want to turn to four different suppliers for a suitable solution to your needs? You are looking for an attuned single-source system and a single point of contact?

*Then we are the right partner for you!*

The LINC-CUT by LINCOLN ELECTRIC Cutting Solutions is a single-source quality product. The system comprises the machine, the OS software, the installation as well as training and offers you excellent quality for a professional plasma cutting system.

Our service and support ensure top-rate performance during the entire service life of the cutting system. We help you tap the entire potential of your LINC-CUT system. We instruct you about maintenance intervals, machinery care, consumables replacement, and are your direct contact should any problems occur in the cutting process.

Moreover, the LINC-CUT comes with a one-year warranty, and the FLEXCUT 125 power source with a 3-year warranty.



<b>TECHNICAL DATA: LINC-CUT CNC PLASMA CUTTING SYSTEM</b>	
<b>DIMENSIONS</b>	
LINC-CUT	1650 x 2250 x 4500 mm
<b>CUTTING AREA</b>	
LINC-CUT	1500 x 3000 mm
<b>MACHINE WEIGHT</b>	
LINC-CUT	2250 kg
<b>TOOL CAPACITY</b>	
LIN-CUT	1
<b>MATERIAL CAPACITY</b>	
LINC-CUT	30 mm Mild Steel
<b>POWER REQUIREMENTS</b>	
Input circuit	415 V, 3 Phases, 50/60 Hz 140 Amp
Extraction table	5-8 bar Compressed air
<b>PRECISION DRIVE SYSTEM</b>	
Driving motors	AC Servo Motors, 1,2NM, 3000 RPM, 400 Watt
Torch height adjustment	150 mm
Torch height adjustment, speed	16 mm/sec
<b>TOUCH PANEL AND DAGGER NC CONTROLLER</b>	
Interface	15" LCD Touch Screen
Manual switches	4 Direction keys, Start, Stop, Go to and Manual drive back
Processor	1,8 GHz Intel® Atom Dual Core D525
RAM	2 GB DDR3 RAM
Hard drive space	128 GB (SATA)
Operating system	Windows® 8 Embedded
Connections	USB, WiFi
Input circuit	230 VAC, 50/60 Hz
<b>CUT CAPACITY   SPEED (MILD STEEL)</b>	
Maximum Pierce Capacity (Flexcut 125)	25 mm
6 mm	5300 mm/min
12 mm	2200 mm/min
25 mm	800 mm/min

<b>SYSTEM &amp; ACCESSORIES: LINC-CUT CNC PLASMA CUTTING SYSTEM WITH FLEXCUT 125 A</b>	Product Number
<b>MACHINE</b>	
LINC-CUT CNC Plasma-Cutting Table (1500 x 3000 mm cutting area)	LINC-CUT-PV125
LINC-CUT CNC Plasma-Cutting Table (1500 x 3000 mm cutting area) HVAC Version	LINC-CUT-PR125
<b>SPARE PARTS</b>	
LC125M Machine-Plasma- Torch 15 m	K4300-5
LC125M Machinen-Plasma- Torch 22,5 m	K4300-6
<b>CONSUMABLES-MACHINE CUTTING</b>	
Electrode (45-125A), LC125M (5 pcs-PACK)	BK12849-1
Shield Cap (45-65A), LC125M (2 pcs-PACK)	BK14300-3
Shield Cap (85A-105A-125A), LC125M (2 pcs-PACK)	BK14300-4
Nozzle (45A), LC125M (5 pcs-PACK)	BK14300-7
Nozzle(65A), LC125M (5 pcs-PACK)	BK14300-8
Nozzle(85A), LC125M (5 pcs-PACK)	BK14300-9
Nozzle (105A), LC125M (5 pcs-PACK)	BK14300-10
Nozzle (125A), LC125M (5 pcs-PACK)	BK14300-11
Swirl Ring (45A-125A), LC125M (2 pcs-PACK)	BK14300-13
Retaining Cap (45A-125A), LC125M (1 pcs-PACK)	BK14300-14
Retaining Cap (45A-125A) CTP,LC125M (1 pcs PACK)	BK14300-15