

# JBC

The Soldering Co.



## Cartridge Guide

Feel the quality, be exclusive

**Matronic**  
ELECTRONIC PRODUCTION TECHNOLOGY

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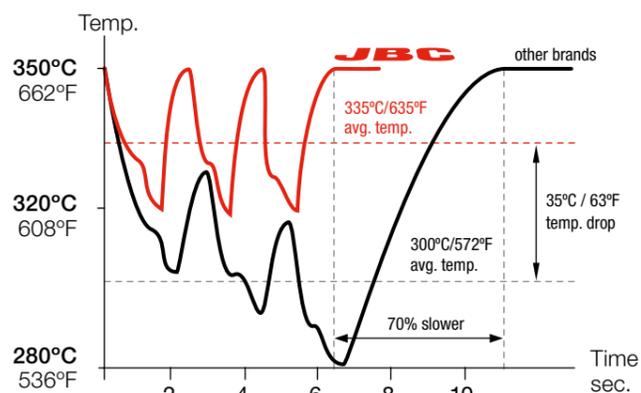
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# JBC Technology

## Most Efficient Soldering System

JBC Stations work with JBC Most Efficient Soldering System, which **recovers tip temperature extremely quickly**. This increases work efficiency and allows the user to work with lower temperatures.

**Efficient Temperature Control**  
Comparative process of 3 solder joints



Tips with JBC Technology only drop 30°C (54°F) where others drop as much as 70°C (126°F).

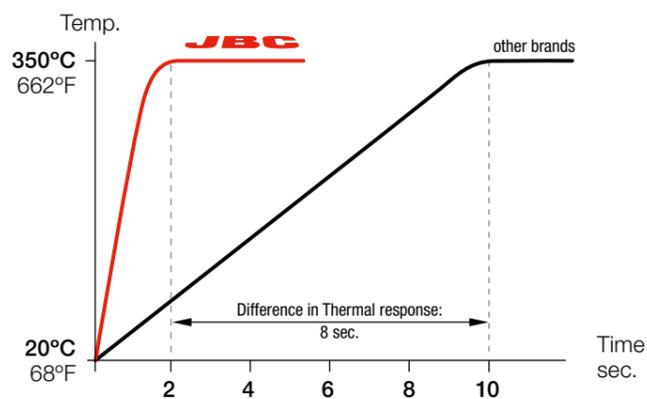
Enhanced Temperature Efficiency → Increased Productivity + Better Quality

## Productivity

Short tip-to-sensor distance ensures extremely quick temperature recovery and an **accurate control**.

**Heating System Principles**

350°C / 662°F in 2 seconds



This graph compares JBC C210 Cartridge Range to the equivalent cartridges of the best competitor.

### A global organization at your service

JBC is a global company with a distributor network spanning 5 continents that guarantees a solid commercial organization with quick and efficient service.

### The power of experience

More than 95 years of experience have placed JBC at the technological forefront of tools for soldering and rework operations in electronics. Innovation, efficiency and reliability are the key features of a wide range of products which have been designed to satisfy the most demanding requirements of professionals.

### High technology, superior quality

Product perfection is one of the main objectives of JBC's improvement and development program. The R&D department has created the most innovative soldering technologies, which JBC is proud to present in this catalog.



All JBC products comply with CE standards and ESD recommendations.



## Intelligent Heat Management

Thanks to automatic detection of the tool in the stand, JBC Soldering & Rework Stations allow the tools to enter **Sleep & Hibernation Modes** when not being used. As a result, tip life lasts up to 5 times longer.

### Sleep Mode

Sleep Mode **automatically lowers tip temperature** below the solder melting point when the tool rests in the stand. **It prevents the dissolution of the iron tip coating into molten solder.**

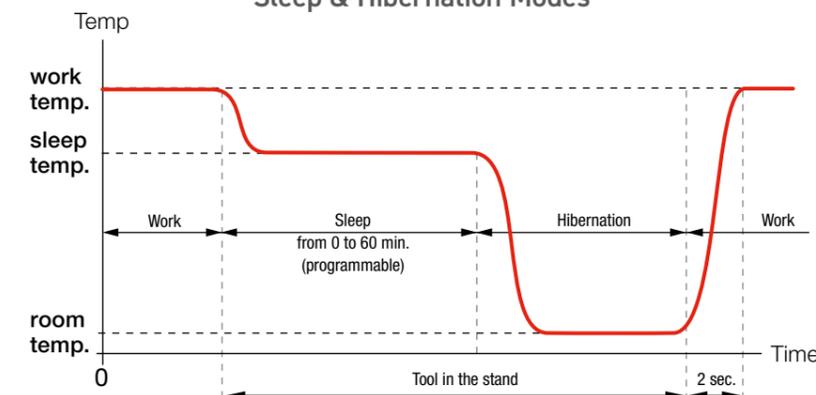
### Hibernation Mode

After a configurable period of tool inactivity in the stand, the tool enters Hibernation Mode. **It cuts off the power supply** making the tip reach room temperature, thus **preventing oxidation and saving energy.**

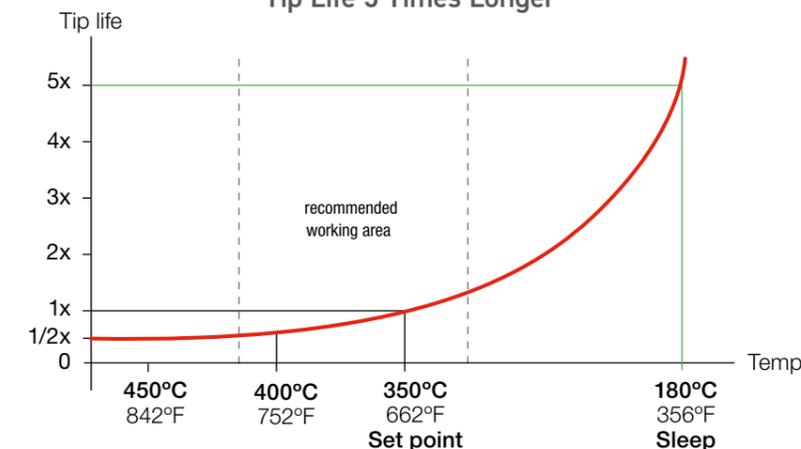
### Longer Tip life

Tip life increases exponentially by **using lower temperatures** as shown. Using Sleep Mode, the temperature is further reduced, which **multiplies tip life by 5.**

**Sleep & Hibernation Modes**

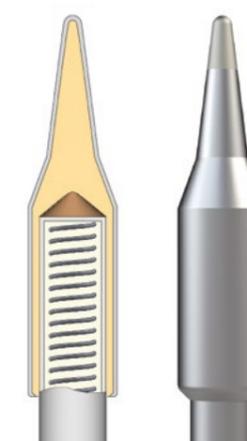


**Tip Life 5 Times Longer**



## Cartridges with long life & extended tip life

The essential part of the soldering iron is the tip. Therefore, JBC has **over 500 cartridge models of different shapes and sizes** to choose from, depending on each application. JBC has developed the most advanced technology based on the following principles:



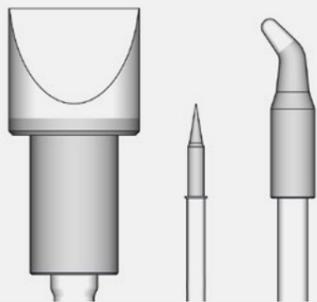
- ▶ **Excellent Heat Transfer**  
The compact element reduces thermal barriers.
- ▶ **Instantaneous Heating**  
A fully-integrated thermal sensor in the heater ensures quick temperature recovery.
- ▶ **Great Durability**  
The intelligent algorithm control program extends tip life.

When you start working do not forget:

## Bigger is better

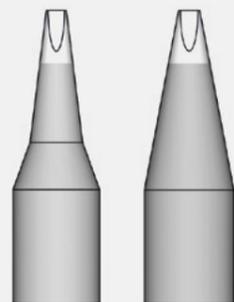
The bigger the solder tip, the better the thermal transfer. Select the tip that has the greatest contact area.

### Over 500 tips of different sizes, shapes and power



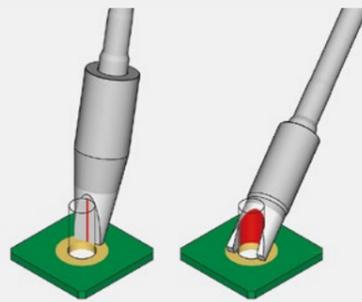
JBC Cartridges range from models for precision work to high power requirement applications.

### Geometry Slimness vs Efficiency



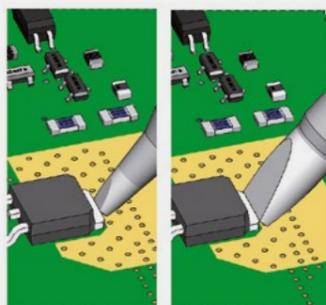
A wider tip transfers heat faster to the joint, improving your soldering speed and quality, while a thinner tip is better for hard-to-reach areas.

### Increase the contact surface Tip - Application



The bigger the contact surface that the tip has with the application, the higher the **thermal transfer**.

### Largest mass possible



The more mass the tip has, the more heat is accumulated and the **lower is the temperature drop**.

### Maintain tip surface clean and tinned



Remember that rusty and dirty surfaces reduce **heat transfer** to the solder joint.  
*(See JBC's cleaning methods on pages 8-9).*

This way you will be able to:

- Work at **lower temperatures** (350°C / 662°F).
- Obtain **better results** in **less time**.
- Improve **thermal performance**.
- Increase **temperature precision**.
- Reduce **collateral damage** (thermal shock on components and PCBs).

## Factors limiting tip life

### Working temperature

The higher the temperature, the greater the oxidation and corrosion. Work with the **lowest possible temperature** and choose the tip with the greatest contact area for each application. **Use thermally efficient tools** and keep tips clean of oxidation.

### Correct techniques

Too much pressure on the surface to solder can cause tip or plate breakage. Do not use the tip as a pointed object or a screwdriver. Choose the **right temperature and tip shape for each application**.

### Iron plate thickness

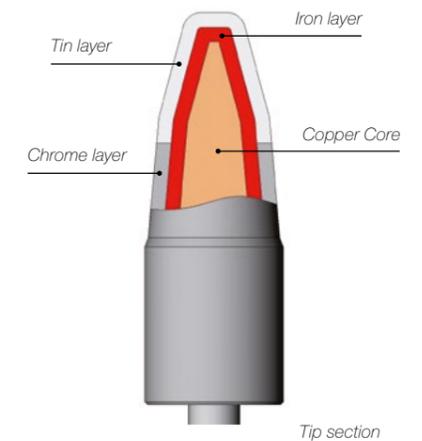
Iron plate wear shortens tip life by hollowing tips out. Do not use mechanical or chemical means to clean the tip. Use the **cleaning methods provided by the manufacturer** - such as brass wool, automatic tip cleaner or sponges.

### Oxidization

An oxidized soldering iron does neither wet nor transfer heat well (dewetting). The higher the temperature, the greater the risk of oxidation. **Always keep tips tinned while not in use** and take advantage of **JBC Sleep & Hibernation Modes**.

### Flux and solder alloy

Too much active flux can cause corrosion. **IPC recommends: ROL, REL and ORL**. Flux quantity inside small diameter solder wires might not be enough. **Provide compatible external flux if necessary**.



Tip section

Remember:

- Work with the **lowest possible temperature**.
- Use **thermally efficient tools**.
- Choose the **right temperature and tip shape for each application**.
- **IPC recommends: ROL, REL and ORL**.
- **Always keep tips tinned while not in use**.
- Take advantage of **JBC Sleep & Hibernation Modes**.
- **Too much pressure** on the surface to solder can cause **tip or plate breakage**.
- Use the **cleaning methods provided by the manufacturer**.



# Cleaning Systems

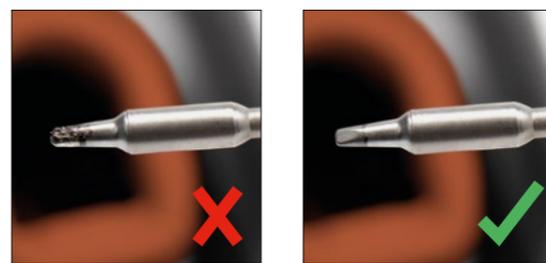
For good thermal transfer, keep the tip tinned thus free from oxides.

## Clean the tip in less than a second



With automatic cleaners you **save time** and optimize production.

## Improve heat transfer



A clean tip is always easier to tin, resulting in **higher quality solder joints**.

## CL Manual Tip Cleaner

A complete cleaning system with splashguard and antisplash membrane to keep the workspace clean and free of solder particles.



### Cleaning Methods

#### CL6210

##### Brass Wool

Very effective cleaning method. It leaves a small layer of solder on the tip to prevent oxidation between cleaning and rewetting.



#### S0354

##### Sponge

The least harmful cleaning method. Keep the sponge moist with distilled water when working to avoid tip wear.



## CLMS Automatic Junior Tip Cleaner with Fiber Brushes (non-metal)

The ideal partner to any soldering station.

### Two modes of operation

The motorized brushes start by pushing the button or by selecting the continuous mode.

Splashguard



### Save space

You can easily fit the tip cleaner into your workspace thanks to its reduced size.

### Brushes

#### CL4008

##### Fiber Brushes

The composition, size and thickness of the fibers ensure the **most efficient cleaning** and the least damage while cleaning the tip.



## CLMU Automatic Tip Cleaners

### CLMUP

#### Automatic Tip Cleaner with Fiber Brushes (non-metal)

Perform a thorough and **gentle tip cleaning** increasing heat transfer and maximizing the soldering quality.

### CLMU

#### Automatic Tip Cleaner with Metal Brushes

Perform a thorough and **strong cleaning** to recover the tip increasing heat transfer. The metal brushes supplied provide a **deep cleaning**.



### Sensor Mode

The sensor triggers brush rotation when tip approaches and automatically stops when the tip is removed.



### Vertical position

It also features a second position which facilitates vertical tip access.



### Keep your workspace clean

The locking mechanism on the brushes makes them **fast and easy to replace**. The solder collector tray can be **easily emptied**.



### Brushes

#### CL2008 / CL2007

##### Fiber Brushes

provide a **soft cleaning**, especially recommended for regular usage to improve tip life. Supplied with CLMUP.



#### CL1008 / CL1007

##### Metal Brushes

provide a **thorough cleaning to recover the tip**, increasing heat transfer. Supplied with CLMU.





Our Cartridge Range is steadily growing as we are determined to respond to our clients' specific needs, cooperating closely with them to create the right solution.

**Custom Cartridges & Tips**

Does your soldering application require a **special tip design**?  
Tell us your challenge at [customtips@jbctools.com](mailto:customtips@jbctools.com).

**C115 Cartridge Range**  
for **NT115, AN115, NP115, B.NANO** and  
**B.TWEEZERS Nano Tools**



|   | Ref.           | Description   | Image and dimensions | Suggested components                                     | Compatible with   |
|---|----------------|---|----------------------|--|---|
|  | <b>C115116</b> | Chisel Cartridge<br>0.2 x 0.1 mm<br>0.008 x 0.004 in  |                      | Package 01005, 0201<br>Very fine pitch 0.4 mm<br>QFP, IC | Stations:<br>NASE, NANE, CDN,<br>B.IRON NANO,<br>B.IRON TWEEZERS,<br>B.IRON DUAL NANO,<br>B.IRON REWORK |
|   | <b>C115117</b> | Chisel Cartridge<br>0.4 x 0.2 mm<br>0.016 x 0.008 in  |                      | Package 0402<br>Very fine pitch 0.65 mm<br>QFP, IC       | Stations:<br>NASE, NANE, CDN,<br>B.IRON NANO,<br>B.IRON TWEEZERS,<br>B.IRON DUAL NANO,<br>B.IRON REWORK |
|   | <b>C115108</b> | Chisel Cartridge<br>0.6 x 0.3 mm<br>0.024 x 0.012 in  |                      | Package 0603<br>PLCC, SO, SOT                            | Stations:<br>NASE, NANE, CDN,<br>B.IRON NANO,<br>B.IRON TWEEZERS,<br>B.IRON DUAL NANO,<br>B.IRON REWORK |
|   | <b>C115125</b> | Chisel Cartridge<br>1 x 0.2 mm<br>0.039 x 0.008 in    |                      | Package 0805<br>Difficult to reach                       | Stations:<br>NASE, NANE, CDN,<br>B.IRON NANO,<br>B.IRON TWEEZERS,<br>B.IRON DUAL NANO,<br>B.IRON REWORK |
|   | <b>C115113</b> | Chisel Cartridge<br>1 x 0.3 mm<br>0.039 x 0.012 in    |                      | Package 0805<br>Through-hole                             | Stations:<br>NASE, NANE, CDN,<br>B.IRON NANO,<br>B.IRON TWEEZERS,<br>B.IRON DUAL NANO,<br>B.IRON REWORK |
|   | <b>C115213</b> | Chisel Cartridge<br>1 x 0.3 S1 mm<br>0.039 x 0.012 in |                      | Package 0805<br>Through-hole<br>High-thermal performance | Stations:<br>NASE, NANE, CDN,<br>B.IRON NANO,<br>B.IRON TWEEZERS,<br>B.IRON DUAL NANO,<br>B.IRON REWORK |
|   | <b>C115221</b> | Chisel Cartridge<br>1.3 x 0.3 mm<br>0.051 x 0.012 in  |                      | Package 0805<br>Through-hole<br>High-thermal performance | Stations:<br>NASE, NANE, CDN,<br>B.IRON NANO,<br>B.IRON TWEEZERS,<br>B.IRON DUAL NANO,<br>B.IRON REWORK |
|   | <b>C115222</b> | Chisel Cartridge<br>1.6 x 0.3 mm<br>0.063 x 0.012 in  |                      | Package 0805<br>Through-hole<br>High-thermal performance | Stations:<br>NASE, NANE, CDN,<br>B.IRON NANO,<br>B.IRON TWEEZERS,<br>B.IRON DUAL NANO,<br>B.IRON REWORK |

**C115 Cartridge Range for NT115, AN115, NP115, B.NANO and B.TWEEZERS Nano Tools**

|   | Ref.           | Description   | Image and dimensions | Suggested components   | Compatible with   |
|---|----------------|---|----------------------|--|---|
|    | <b>C115114</b> | Chisel Cartridge<br>1.8 x 0.5 mm<br>0.071 x 0.020 in    |                      | Package 0805<br>Through-hole                                   | Stations:<br>NASE, NANE, CDN,<br>B.IRON NANO,<br>B.IRON TWEEZERS,<br>B.IRON DUAL NANO,<br>B.IRON REWORK |
|   | <b>C115214</b> | Chisel Cartridge<br>1.8 x 0.5 mm S1<br>0.071 x 0.020 in |                      | Package 1206, 1210<br>Through-hole<br>High-thermal performance | Stations:<br>NASE, NANE, CDN,<br>B.IRON NANO,<br>B.IRON TWEEZERS,<br>B.IRON DUAL NANO,<br>B.IRON REWORK |
|   | <b>C115223</b> | Chisel Cartridge<br>2.4 x 0.6 mm<br>0.094 x 0.024 in    |                      | Package 0805<br>Through-hole<br>High-thermal performance       | Stations:<br>NASE, NANE, CDN,<br>B.IRON NANO,<br>B.IRON TWEEZERS,<br>B.IRON DUAL NANO,<br>B.IRON REWORK |
|   | <b>C115109</b> | Bevel Cartridge<br>Ø 0.6 mm<br>Ø 0.024 in               |                      | Drag soldering SMD<br>Through-hole                             | Stations:<br>NASE, NANE, CDN,<br>B.IRON NANO,<br>B.IRON TWEEZERS,<br>B.IRON DUAL NANO,<br>B.IRON REWORK |
|   | <b>C115127</b> | Bevel Cartridge<br>Ø 1 mm<br>Ø 0.039 in                 |                      | Drag soldering SMD<br>Through-hole                             | Stations:<br>NASE, NANE, CDN,<br>B.IRON NANO,<br>B.IRON TWEEZERS,<br>B.IRON DUAL NANO,<br>B.IRON REWORK |
|  | <b>C115128</b> | Spoon Cartridge<br>Ø 1 mm<br>Ø 0.039 in                 |                      | Drag soldering SMD<br>Through-hole                             | Stations:<br>NASE, NANE, CDN,<br>B.IRON NANO,<br>B.IRON TWEEZERS,<br>B.IRON DUAL NANO,<br>B.IRON REWORK |
|  | <b>C115126</b> | Conical Cartridge<br>Ø 0.1 mm S1<br>Ø 0.004 in          |                      | Package 01005<br>Very fine pitch 0.4 mm<br>QFP, IC             | Stations:<br>NASE, NANE, CDN,<br>B.IRON NANO,<br>B.IRON TWEEZERS,<br>B.IRON DUAL NANO,<br>B.IRON REWORK |
|   | <b>C115101</b> | Conical Cartridge<br>Ø 0.1 mm<br>Ø 0.004 in             |                      | Package 01005<br>Very fine pitch 0.4 mm<br>QFP, IC             | Stations:<br>NASE, NANE, CDN,<br>B.IRON NANO,<br>B.IRON TWEEZERS,<br>B.IRON DUAL NANO,<br>B.IRON REWORK |

**C115 Cartridge Range for NT115, AN115, NP115, B.NANO and B.TWEEZERS Nano Tools**

| Ref.           | Description   | Image and dimensions | Suggested components                                     | Compatible with   |
|----------------|---|----------------------|--|---|
| <b>C115103</b> | Conical Cartridge<br>Ø 0.3 mm S1<br>Ø 0.012 in      |                      | Package 0201, 0402<br>Very fine pitch 0.65 mm<br>QFP, IC | Stations:<br>NASE, NANE, CDN,<br>B.IRON NANO,<br>B.IRON TWEEZERS,<br>B.IRON DUAL NANO,<br>B.IRON REWORK |
| <b>C115106</b> | Conical Cartridge<br>Ø 0.5 mm<br>Ø 0.020 in         |                      | Package 0603<br>QFP, IC                                  | Stations:<br>NASE, NANE, CDN,<br>B.IRON NANO,<br>B.IRON TWEEZERS,<br>B.IRON DUAL NANO,<br>B.IRON REWORK |
| <b>C115107</b> | Conical Cartridge<br>Ø 0.8 mm<br>Ø 0.031 in         |                      | General use  | Stations:<br>NASE, NANE, CDN,<br>B.IRON NANO,<br>B.IRON TWEEZERS,<br>B.IRON DUAL NANO,<br>B.IRON REWORK |
| <b>C115124</b> | Conical Bent Cartridge<br>Ø 0.1 mm S1<br>Ø 0.004 in |                      | Package 01005<br>Very fine pitch 0.4 mm<br>QFP, IC       | Stations:<br>NASE, NANE, CDN,<br>B.IRON NANO,<br>B.IRON TWEEZERS,<br>B.IRON DUAL NANO,<br>B.IRON REWORK |
| <b>C115118</b> | Conical Bent Cartridge<br>Ø 0.1 mm<br>Ø 0.004 in    |                      | Package 01005<br>Very fine pitch 0.4 mm<br>QFP, IC       | Stations:<br>NASE, NANE, CDN,<br>B.IRON NANO,<br>B.IRON TWEEZERS,<br>B.IRON DUAL NANO,<br>B.IRON REWORK |
| <b>C115105</b> | Conical Bent Cartridge<br>Ø 0.3 mm<br>Ø 0.012 in    |                      | Package 0201, 0402<br>Fine pitch 0.65 mm<br>QFP, IC      | Stations:<br>NASE, NANE, CDN,<br>B.IRON NANO,<br>B.IRON TWEEZERS,<br>B.IRON DUAL NANO,<br>B.IRON REWORK |
| <b>C115110</b> | Conical Bent Cartridge<br>Ø 0.5 mm<br>Ø 0.020 in    |                      | Package 0603<br>QFP, IC                                  | Stations:<br>NASE, NANE, CDN,<br>B.IRON NANO,<br>B.IRON TWEEZERS,<br>B.IRON DUAL NANO,<br>B.IRON REWORK |
| <b>C115120</b> | Knife Cartridge<br>1 x 0.2 mm<br>0.039 x 0.008 in   |                      | Drag soldering SMD<br>Package 0805<br>Through-hole       | Stations:<br>NASE, NANE, CDN,<br>B.IRON NANO,<br>B.IRON TWEEZERS,<br>B.IRON DUAL NANO,<br>B.IRON REWORK |

**C115 Cartridge Range for NT115, AN115, NP115, B.NANO and B.TWEEZERS Nano Tools**

| Ref.           | Description   | Image and dimensions | Suggested components   | Compatible with   |
|----------------|---|----------------------|--|---|
| <b>C115112</b> | Knife Cartridge<br>2.5 x 0.3 mm<br>0.098 x 0.012 in           |                      | Drag soldering SMD<br>SO, SOT<br>Package 1210, 1812,<br>2010, 2512                             | Stations:<br>NASE, NANE, CDN,<br>B.IRON NANO,<br>B.IRON TWEEZERS,<br>B.IRON DUAL NANO,<br>B.IRON REWORK |
| <b>C115212</b> | Knife Cartridge<br>2.5 x 0.3 mm S1<br>0.098 x 0.012 in        |                      | Drag soldering SMD<br>SO, SOT<br>Package 1210, 1812,<br>2010, 2512<br>High-thermal performance | Stations:<br>NASE, NANE, CDN,<br>B.IRON NANO,<br>B.IRON TWEEZERS,<br>B.IRON DUAL NANO,<br>B.IRON REWORK |
| <b>C115129</b> | Knife Cartridge<br>2.8 x 0.2 mm<br>0.110 x 0.008 in           |                      | IC, Difficult to reach   | Stations:<br>NASE, NANE, CDN,<br>B.IRON NANO,<br>B.IRON TWEEZERS,<br>B.IRON DUAL NANO,<br>B.IRON REWORK |
| <b>C115131</b> | Blade Cartridge<br>2 x 0.35 mm<br>0.079 x 0.014 in            |                      | LED SMD<br>2727, 1921, 1415  | Stations:<br>NASE, NANE, CDN,<br>B.IRON NANO,<br>B.IRON TWEEZERS,<br>B.IRON DUAL NANO,<br>B.IRON REWORK |
| <b>C115111</b> | Blade Cartridge<br>3.5 x 0.7 mm<br>0.138 x 0.028 in           |                      | Package 1210, 1812<br>SO, SOT  | Stations:<br>NASE, NANE, CDN,<br>B.IRON NANO,<br>B.IRON TWEEZERS,<br>B.IRON DUAL NANO,<br>B.IRON REWORK |
| <b>C115211</b> | Blade Cartridge<br>3.5 x 0.7 mm S1<br>0.138 x 0.028 in        |                      | Package 1210, 1812<br>SO, SOT<br>High-thermal performance                                      | Stations:<br>NASE, NANE, CDN,<br>B.IRON NANO,<br>B.IRON TWEEZERS,<br>B.IRON DUAL NANO,<br>B.IRON REWORK |
| <b>C115132</b> | Chip Components Cartridge<br>0.7 mm<br>0.028 in               |                      | Package 0201   | Stations:<br>NASE, NANE, CDN,<br>B.IRON NANO,<br>B.IRON TWEEZERS,<br>B.IRON DUAL NANO,<br>B.IRON REWORK |
| <b>C115115</b> | Conformal Coating Removal Steel Cartridge<br>1 mm<br>0.039 in |                      | Stainless Steel<br>Remove underfill<br>encapsulants  | Stations:<br>NASE, NANE, CDN,<br>B.IRON NANO,<br>B.IRON TWEEZERS,<br>B.IRON DUAL NANO,<br>B.IRON REWORK |



**C120 Cartridge Range**  
for PA120 and AM120 Micro Tweezers

|  | Ref.           | Description   | Image and dimensions                                      | Suggested components   | Compatible with                                   |   |
|--|----------------|---|---|--|---|---|
|  | <b>C120001</b> | Conical Bent Cartridge<br>Ø 0.2 mm<br>Ø 0.008 in    |   | Package 0201, 0402   | Stations:<br>CP<br>Control Units:<br>DI, DDE, DME |   |
|  | <b>C120002</b> | Conical Bent Cartridge<br>Ø 0.2 mm<br>Ø 0.008 in    |   | Package 0201, 0402   | Stations:<br>CP<br>Control Units:<br>DI, DDE, DME |   |
|  | <b>C120902</b> | Conical Bent Cartridge<br>Ø 0.3 mm<br>Ø 0.012 in    |   | Package 0201, 0402<br>Fine pitch 0.65 mm<br>QFP, IC                              | Stations:<br>CP<br>Control Units:<br>DI, DDE, DME |   |
|  | <b>C120006</b> | Conical Bent Cartridge<br>Ø 0.5 mm<br>Ø 0.020 in    |   | Package 0603<br>QFP, IC  | Stations:<br>CP<br>Control Units:<br>DI, DDE, DME |   |
|  | <b>C120004</b> | Conical Bent Cartridge<br>Ø 0.7 mm S1<br>Ø 0.028 in |   | SMD capacitors<br>QFP, IC<br>Through-hole  | Stations:<br>CP<br>Control Units:<br>DI, DDE, DME |   |
|  | <b>C120012</b> | Conical Bent Cartridge<br>Ø 0.7 mm S2<br>Ø 0.028 in |   | SMD capacitors<br>QFP, IC<br>Through-hole<br>Tip with an extra<br>tinned surface | Stations:<br>CP<br>Control Units:<br>DI, DDE, DME |   |
|  |                | <b>C120014</b>                                      | Chisel Bent Cartridge<br>0.2 x 1.5 mm<br>0.008 x 0.059 in |  | Package 0603                                      | Stations:<br>CP<br>Control Units:<br>DI, DDE, DME |
|  |                | <b>C120015</b>                                      | Chisel Bent Cartridge<br>0.2 x 1.5 mm<br>0.008 x 0.059 in |  | Package 0603                                      | Stations:<br>CP<br>Control Units:<br>DI, DDE, DME |

**C120 Cartridge Range for PA120 and AM120 Micro Tweezers**

|  | Ref.           | Description   | Image and dimensions | Suggested components          | Compatible with                                   |
|--|----------------|---|----------------------|-------------------------------|---|
|  | <b>C120011</b> | Chisel Bent Cartridge<br>0.6 x 0.3 mm<br>0.024 x 0.012 in |                      | Package 0603                  | Stations:<br>CP<br>Control Units:<br>DI, DDE, DME |
|  | <b>C120013</b> | Blade Cartridge<br>2 mm<br>0.079 in                       |                      | LED SMD<br>2727, 1921, 1415   | Stations:<br>CP<br>Control Units:<br>DI, DDE, DME |
|  | <b>C120003</b> | Blade Cartridge<br>3 mm<br>0.118 in                       |                      | Package 1210, 1812<br>SO, SOT | Stations:<br>CP<br>Control Units:<br>DI, DDE, DME |
|  | <b>C120007</b> | Blade Cartridge<br>3.5 mm Right<br>0.138 in               |                      | Package 1210, 1812<br>SO, SOT | Stations:<br>CP<br>Control Units:<br>DI, DDE, DME |
|  | <b>C120008</b> | Blade Cartridge<br>3.5 mm Left<br>0.138 in                |                      | Package 1210, 1812<br>SO, SOT | Stations:<br>CP<br>Control Units:<br>DI, DDE, DME |
|  | <b>C120005</b> | Blade Cartridge<br>5 mm<br>0.197 in                       |                      | SO, SOT                       | Stations:<br>CP<br>Control Units:<br>DI, DDE, DME |
|  | <b>C120009</b> | Blade Cartridge<br>6 mm Right<br>0.236 in                 |                      | SO, SOT                       | Stations:<br>CP<br>Control Units:<br>DI, DDE, DME |
|  | <b>C120010</b> | Blade Cartridge<br>6 mm Left<br>0.236 in                  |                      | SO, SOT                       | Stations:<br>CP<br>Control Units:<br>DI, DDE, DME |



**C210 Cartridge Range**  
for T210, B.100 and B.500 Tools

| Image | Ref.           | Description                                    | Image and dimensions | Suggested components                                     | Compatible with   |
|-------|----------------|--|----------------------|--|---|
|       | <b>C210020</b> | Conical Cartridge<br>Ø 0.1 mm<br>Ø 0.004 in    |                      | Package 01005, 0201<br>Very fine pitch 0.4 mm<br>QFP, IC | Stations:<br>CDS, B.IRON 100,<br>B.IRON 500,<br>B.IRON DUAL 500<br>Control Units:<br>DI, DDE, DME |
|       | <b>C210009</b> | Conical Cartridge<br>Ø 0.2 mm<br>Ø 0.008 in    |                      | Package 01005, 0201<br>Very fine pitch 0.4mm<br>QFP, IC  | Stations:<br>CDS, B.IRON 100,<br>B.IRON 500,<br>B.IRON DUAL 500<br>Control Units:<br>DI, DDE, DME |
|       | <b>C210016</b> | Conical Cartridge<br>Ø 0.3 mm S1<br>Ø 0.012 in |                      | Package 0201, 0402<br>Fine pitch 0.65 mm<br>QFP, IC      | Stations:<br>CDS, B.IRON 100,<br>B.IRON 500,<br>B.IRON DUAL 500<br>Control Units:<br>DI, DDE, DME |
|       | <b>C210001</b> | Conical Cartridge<br>Ø 0.3 mm S2<br>Ø 0.012 in |                      | Package 0201, 0402<br>Fine pitch 0.65 mm<br>QFP, IC      | Stations:<br>CDS, B.IRON 100,<br>B.IRON 500,<br>B.IRON DUAL 500<br>Control Units:<br>DI, DDE, DME |
|       | <b>C210013</b> | Conical Cartridge<br>Ø 0.5 mm<br>Ø 0.020 in    |                      | Package 0603<br>QFP, IC                                  | Stations:<br>CDS, B.IRON 100,<br>B.IRON 500,<br>B.IRON DUAL 500<br>Control Units:<br>DI, DDE, DME |
|       | <b>C210003</b> | Conical Cartridge<br>Ø 0.6 mm<br>Ø 0.024 in    |                      | General use  | Stations:<br>CDS, B.IRON 100,<br>B.IRON 500,<br>B.IRON DUAL 500<br>Control Units:<br>DI, DDE, DME |
|       | <b>C210005</b> | Conical Cartridge<br>Ø 1 mm<br>Ø 0.039 in      |                      | General use  | Stations:<br>CDS, B.IRON 100,<br>B.IRON 500,<br>B.IRON DUAL 500<br>Control Units:<br>DI, DDE, DME |

**C210 Cartridge Range for T210, B.100 and B.500 Tools**

| Image | Ref.           | Description                                      | Image and dimensions | Suggested components                                | Compatible with   |
|-------|----------------|--|----------------------|---|---|
|       | <b>C210002</b> | Conical Bent Cartridge<br>Ø 0.2 mm<br>Ø 0.008 in |                      | Package 0201, 0402                                  | Stations:<br>CDS, B.IRON 100,<br>B.IRON 500,<br>B.IRON DUAL 500<br>Control Units:<br>DI, DDE, DME |
|       | <b>C210010</b> | Conical Bent Cartridge<br>Ø 0.3 mm<br>Ø 0.012 in |                      | Package 0201, 0402<br>Fine pitch 0.65 mm<br>QFP, IC | Stations:<br>CDS, B.IRON 100,<br>B.IRON 500,<br>B.IRON DUAL 500<br>Control Units:<br>DI, DDE, DME |
|       | <b>C210014</b> | Conical Bent Cartridge<br>Ø 0.5 mm<br>Ø 0.020 in |                      | Package 0603<br>QFP, IC                             | Stations:<br>CDS, B.IRON 100,<br>B.IRON 500,<br>B.IRON DUAL 500<br>Control Units:<br>DI, DDE, DME |
|       | <b>C210004</b> | Conical Bent Cartridge<br>Ø 0.7 mm<br>Ø 0.028 in |                      | General use   | Stations:<br>CDS, B.IRON 100,<br>B.IRON 500,<br>B.IRON DUAL 500<br>Control Units:<br>DI, DDE, DME |
|       | <b>C210036</b> | Bevel Cartridge<br>Ø 0.6 mm<br>Ø 0.024 in        |                      | Drag Soldering<br>General use                       | Stations:<br>CDS, B.IRON 100,<br>B.IRON 500,<br>B.IRON DUAL 500<br>Control Units:<br>DI, DDE, DME |
|       | <b>C210006</b> | Bevel Cartridge<br>Ø 1 mm<br>Ø 0.039 in          |                      | Drag Soldering<br>General use                       | Stations:<br>CDS, B.IRON 100,<br>B.IRON 500,<br>B.IRON DUAL 500<br>Control Units:<br>DI, DDE, DME |
|       | <b>C210027</b> | Bevel Cartridge<br>Ø 1.5 mm<br>Ø 0.059 in        |                      | Drag Soldering<br>General use                       | Stations:<br>CDS, B.IRON 100,<br>B.IRON 500,<br>B.IRON DUAL 500<br>Control Units:<br>DI, DDE, DME |
|       | <b>C210031</b> | Bevel Cartridge<br>Ø 2 mm<br>Ø 0.079 in          |                      | Drag Soldering<br>General use                       | Stations:<br>CDS, B.IRON 100,<br>B.IRON 500,<br>B.IRON DUAL 500<br>Control Units:<br>DI, DDE, DME |

**C210 Cartridge Range for T210, B.100 and B.500 Tools**

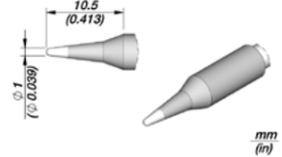
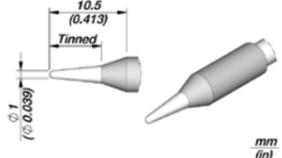
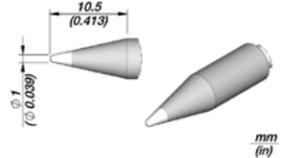
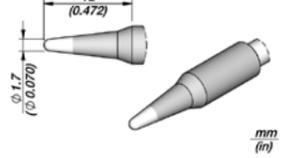
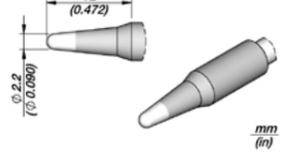
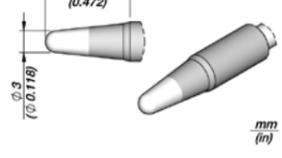
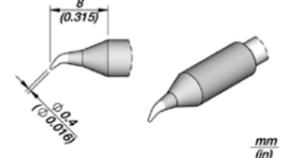
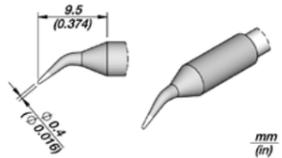
| Ref.           | Description  | Image and dimensions | Suggested components                                     | Compatible with   |
|----------------|--|----------------------|--|---|
| <b>C210040</b> | Bevel Cartridge<br>Ø 2.9 mm<br>Ø 0.114 in            |                      | Drag Soldering<br>General use                            | Stations:<br>CDS, B.IRON 100,<br>B.IRON 500,<br>B.IRON DUAL 500<br>Control Units:<br>DI, DDE, DME |
| <b>C210041</b> | Bevel Cartridge<br>Ø 3.9 mm<br>Ø 0.153 in            |                      | Drag Soldering<br>General use                            | Stations:<br>CDS, B.IRON 100,<br>B.IRON 500,<br>B.IRON DUAL 500<br>Control Units:<br>DI, DDE, DME |
| <b>C210028</b> | Spoon Cartridge<br>Ø 1 mm<br>Ø 0.039 in              |                      | Drag soldering   | Stations:<br>CDS, B.IRON 100,<br>B.IRON 500,<br>B.IRON DUAL 500<br>Control Units:<br>DI, DDE, DME |
| <b>C210029</b> | Spoon Cartridge<br>Ø 1.5 mm<br>Ø 0.059 in            |                      | Drag soldering   | Stations:<br>CDS, B.IRON 100,<br>B.IRON 500,<br>B.IRON DUAL 500<br>Control Units:<br>DI, DDE, DME |
| <b>C210030</b> | Spoon Cartridge<br>Ø 2 mm<br>Ø 0.079 in              |                      | Drag soldering   | Stations:<br>CDS, B.IRON 100,<br>B.IRON 500,<br>B.IRON DUAL 500<br>Control Units:<br>DI, DDE, DME |
| <b>C210038</b> | Barrel Cartridge<br>Ø 8 mm<br>Ø 0.031 in             |                      | Through-hole<br>Cable soldering /<br>desoldering         | Stations:<br>CDS, B.IRON 100,<br>B.IRON 500,<br>B.IRON DUAL 500<br>Control Units:<br>DI, DDE, DME |
| <b>C210019</b> | Chisel Cartridge<br>0.2 x 0.1 mm<br>0.008 x 0.004 in |                      | Package 01005, 0201<br>Very fine pitch 0.4 mm<br>QFP, IC | Stations:<br>CDS, B.IRON 100,<br>B.IRON 500,<br>B.IRON DUAL 500<br>Control Units:<br>DI, DDE, DME |
| <b>C210023</b> | Chisel Cartridge<br>0.4 x 0.2 mm<br>0.016 x 0.008 in |                      | Package 0402<br>Very fine pitch 0.65 mm<br>QFP, IC       | Stations:<br>CDS, B.IRON 100,<br>B.IRON 500,<br>B.IRON DUAL 500<br>Control Units:<br>DI, DDE, DME |

**C210 Cartridge Range for T210, B.100 and B.500 Tools**

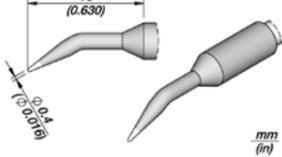
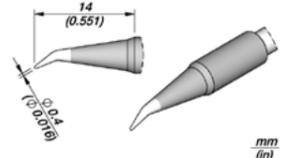
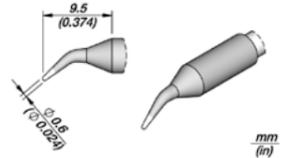
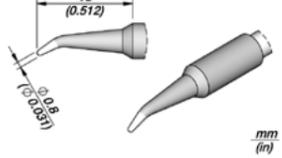
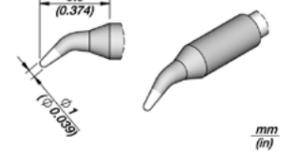
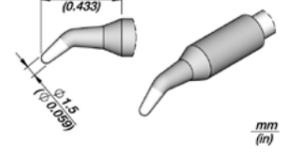
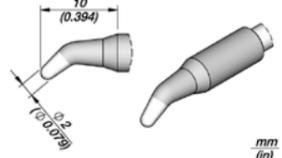
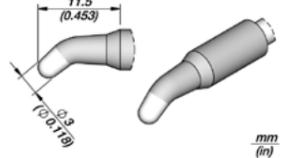
| Ref.           | Description  | Image and dimensions | Suggested components         | Compatible with   |
|----------------|--|----------------------|------------------------------|---|
| <b>C210021</b> | Chisel Cartridge<br>0.6 x 0.3 mm<br>0.024 x 0.012 in   |                      | Package 0603                 | Stations:<br>CDS, B.IRON 100,<br>B.IRON 500,<br>B.IRON DUAL 500<br>Control Units:<br>DI, DDE, DME |
| <b>C210024</b> | Chisel Cartridge<br>0.8 x 0.3 mm<br>0.032 x 0.012 in   |                      | Package 0805<br>Through-hole | Stations:<br>CDS, B.IRON 100,<br>B.IRON 500,<br>B.IRON DUAL 500<br>Control Units:<br>DI, DDE, DME |
| <b>C210022</b> | Chisel Cartridge<br>1.3 x 0.4 mm<br>0.051 x 0.016 in   |                      | Package 0805<br>Through-hole | Stations:<br>CDS, B.IRON 100,<br>B.IRON 500,<br>B.IRON DUAL 500<br>Control Units:<br>DI, DDE, DME |
| <b>C210008</b> | Chisel Cartridge<br>1.3 x 0.6 mm<br>0.051 x 0.024 in   |                      | Package 0805<br>Through-hole | Stations:<br>CDS, B.IRON 100,<br>B.IRON 500,<br>B.IRON DUAL 500<br>Control Units:<br>DI, DDE, DME |
| <b>C210007</b> | Chisel Cartridge<br>2.3 x 0.7 mm<br>0.091 x 0.028 in   |                      | Package 0805<br>Through-hole | Stations:<br>CDS, B.IRON 100,<br>B.IRON 500,<br>B.IRON DUAL 500<br>Control Units:<br>DI, DDE, DME |
| <b>C210039</b> | Chisel Cartridge<br>2.9 x 0.7 mm<br>0.114 x 0.028 in   |                      | Package 0805<br>Through-hole | Stations:<br>CDS, B.IRON 100,<br>B.IRON 500,<br>B.IRON DUAL 500<br>Control Units:<br>DI, DDE, DME |
| <b>C210042</b> | Chisel Cartridge<br>3.9 x 1 mm<br>0.153 x 0.039 in     |                      | Package 0805<br>Through-hole | Stations:<br>CDS, B.IRON 100,<br>B.IRON 500,<br>B.IRON DUAL 500<br>Control Units:<br>DI, DDE, DME |
| <b>C210017</b> | Pin / Connector<br>Cartridge<br>Ø 0.7 mm<br>Ø 0.028 in |                      | Through-hole                 | Stations:<br>CDS, B.IRON 100,<br>B.IRON 500,<br>B.IRON DUAL 500<br>Control Units:<br>DI, DDE, DME |



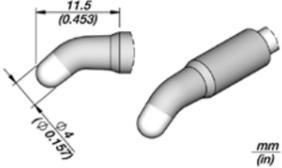
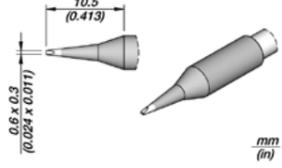
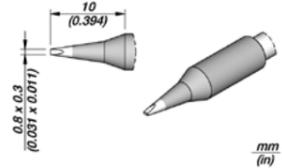
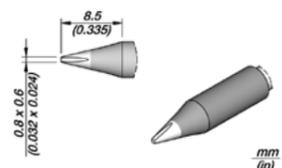
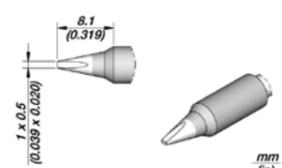
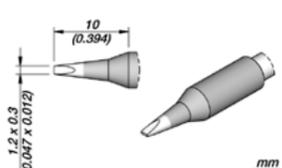
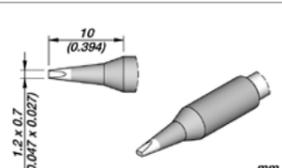
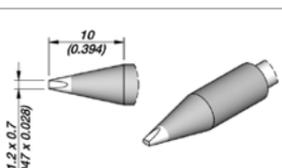
**C245 Cartridge Range for T245 General Purpose Handles**

|   | Ref.           | Description   | Image and dimensions  | Suggested components                                | Compatible with  |
|---|----------------|---|---|---|--|
|    | <b>C245903</b> | Conical Cartridge<br>Ø 1 mm S1<br>Ø 0.040 in        |    | General use   | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|   | <b>C245041</b> | Conical Cartridge<br>Ø 1 mm S2<br>Ø 0.040 in        |    | General use<br>Tip with an extra tinned surface     | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|   | <b>C245403</b> | Conical Cartridge<br>Ø 1 HT mm<br>Ø 0.040 in        |    | General use   | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|   | <b>C245943</b> | Conical Cartridge<br>Ø 1.7 mm<br>Ø 0.070 in         |   | General use   | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|   | <b>C245933</b> | Conical Cartridge<br>Ø 2.2 mm<br>Ø 0.090 in         |  | General use   | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|   | <b>C245107</b> | Conical Cartridge<br>Ø 3 mm HT<br>Ø 0.118 in        |  | General use   | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|  | <b>C245034</b> | Conical Bent Cartridge<br>Ø 0.4 mm S1<br>Ø 0.016 in |  | Package 0201, 0402<br>Fine pitch 0.65 mm<br>QFP, IC | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|   | <b>C245029</b> | Conical Bent Cartridge<br>Ø 0.4 mm S2<br>Ø 0.016 in |  | Package 0201, 0402<br>Fine pitch 0.65 mm<br>QFP, IC | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |

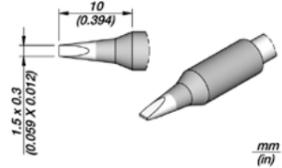
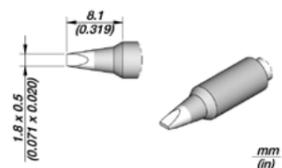
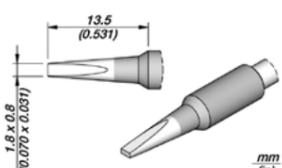
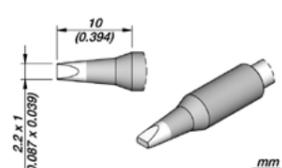
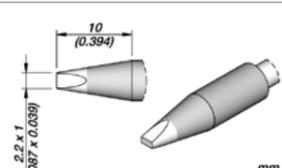
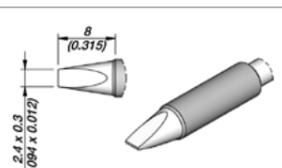
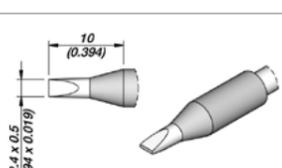
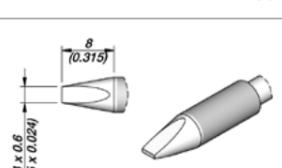
**C245 Cartridge Range for T245 General Purpose Handles**

|   | Ref.           | Description   | Image and dimensions  | Suggested components                                | Compatible with  |
|---|----------------|---|---|---|--|
|  | <b>C245126</b> | Conical Bent Cartridge<br>Ø 0.4 mm S3<br>Ø 0.016 in |    | Package 0201, 0402<br>Fine pitch 0.65 mm<br>QFP, IC | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|   | <b>C245786</b> | Conical Bent Cartridge<br>Ø 0.4 mm S4<br>Ø 0.016 in |    | Package 0201, 0402<br>Fine pitch 0.65 mm<br>QFP, IC | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|   | <b>C245929</b> | Conical Bent Cartridge<br>Ø 0.6 mm<br>Ø 0.024 in    |    | Package 0603<br>QFP, IC                             | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|   | <b>C245935</b> | Conical Bent Cartridge<br>Ø 0.8 mm<br>Ø 0.031 in    |   | Through-hole  | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|   | <b>C245904</b> | Conical Bent Cartridge<br>Ø 1 mm<br>Ø 0.039 in      |  | General use   | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|   | <b>C245259</b> | Conical Bent Cartridge<br>Ø 1.5 mm<br>Ø 0.059 in    |  | General use   | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|   | <b>C245260</b> | Conical Bent Cartridge<br>Ø 2 mm HT<br>Ø 0.079 in   |  | General use   | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|   | <b>C245627</b> | Conical Bent Cartridge<br>Ø 3 mm<br>Ø 0.118 in      |  | General use   | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |

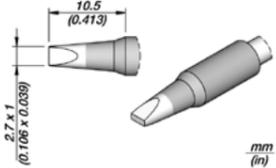
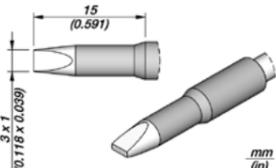
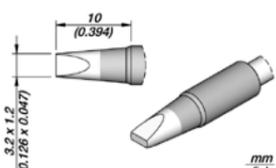
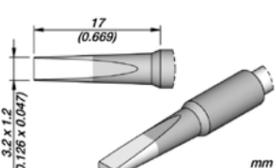
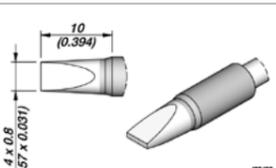
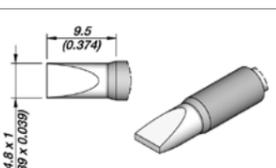
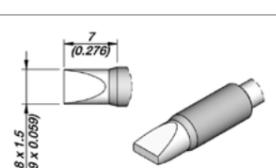
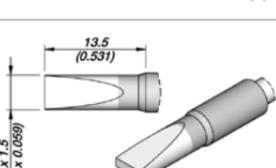
**C245 Cartridge Range for T245 General Purpose Handles**

|   | Ref.           | Description   | Image and dimensions  | Suggested components         | Compatible with  |
|---|----------------|---|---|------------------------------|--|
|  | <b>C245628</b> | Conical Bent Cartridge<br>Ø 4 mm HT<br>Ø 0.157 in       |    | General use                  | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|  | <b>C245731</b> | Chisel Cartridge<br>0.6 x 0.3 mm<br>0.024 x 0.011 in    |    | Package 0603                 | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|   | <b>C245773</b> | Chisel Cartridge<br>0.8 x 0.3 mm<br>0.031 x 0.011 in    |    | Package 0805<br>Through-hole | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|   | <b>C245742</b> | Chisel Cartridge<br>0.8 x 0.6 mm HT<br>0.032 x 0.024 in |   | Package 0805<br>Through-hole | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|   | <b>C245170</b> | Chisel Cartridge<br>1 x 0.5 mm<br>0.039 x 0.020 in      |  | General use                  | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|   | <b>C245774</b> | Chisel Cartridge<br>1.2 x 0.3 mm<br>0.047 x 0.012 in    |  | General use                  | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|   | <b>C245906</b> | Chisel Cartridge<br>1.2 x 0.7 mm<br>0.047 x 0.027 in    |  | General use                  | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|   | <b>C245406</b> | Chisel Cartridge<br>1.2 x 0.7 mm HT<br>0.047 x 0.028 in |  | General use                  | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |

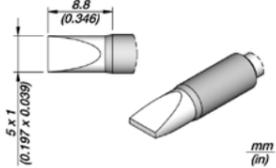
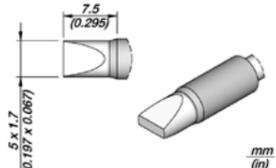
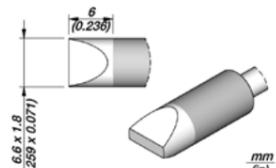
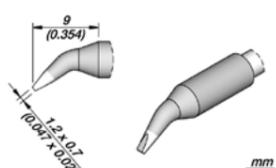
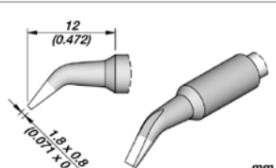
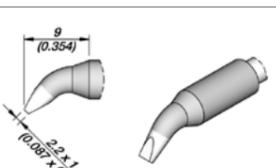
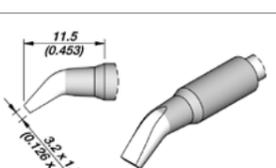
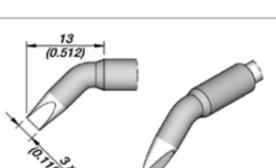
**C245 Cartridge Range for T245 General Purpose Handles**

|   | Ref.           | Description   | Image and dimensions  | Suggested components | Compatible with  |
|---|----------------|---|---|----------------------|--|
|  | <b>C245768</b> | Chisel Cartridge<br>1.5 x 0.3 mm<br>0.059 x 0.012 in    |    | General use          | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|   | <b>C245171</b> | Chisel Cartridge<br>1.8 x 0.5 mm<br>0.071 x 0.020 in    |    | General use          | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|   | <b>C245944</b> | Chisel Cartridge<br>1.8 x 0.8 mm<br>0.070 x 0.031 in    |    | General use          | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|   | <b>C245907</b> | Chisel Cartridge<br>2.2 x 1 mm<br>0.087 x 0.039 in      |   | General use          | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|   | <b>C245407</b> | Chisel Cartridge<br>2.2 x 1 mm HT<br>0.087 x 0.039 in   |  | General use          | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|   | <b>C245770</b> | Chisel Cartridge<br>2.4 x 0.3 mm<br>0.094 x 0.012 in    |  | General use          | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|   | <b>C245759</b> | Chisel Cartridge<br>2.4 x 0.5 mm HT<br>0.094 x 0.019 in |  | General use          | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|   | <b>C245741</b> | Chisel Cartridge<br>2.4 x 0.6 mm HT<br>0.095 x 0.024 in |  | General use          | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |

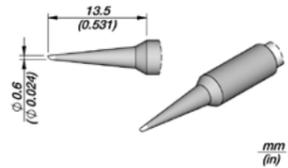
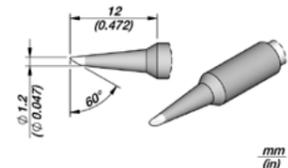
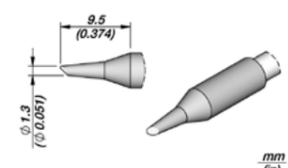
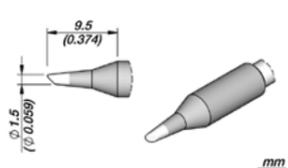
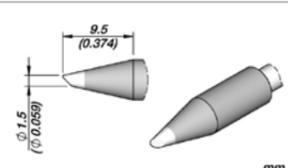
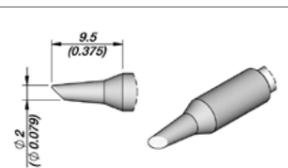
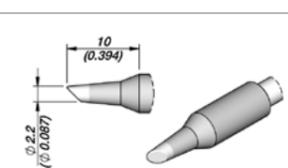
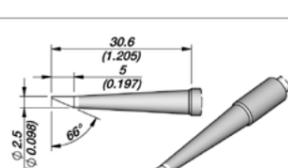
**C245 Cartridge Range for T245 General Purpose Handles**

|   | Ref.           | Description  | Image and dimensions  | Suggested components | Compatible with  |
|---|----------------|--|---|----------------------|--|
|  | <b>C245729</b> | Chisel Cartridge<br>2.7 x 1 mm<br>0.106 x 0.039 in         |    | General use          | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|   | <b>C245061</b> | Chisel Cartridge<br>3 x 1 mm<br>0.118 x 0.039 in           |    | General use          | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|   | <b>C245911</b> | Chisel Cartridge<br>3.2 x 1.2 mm<br>0.126 x 0.047 in       |    | General use          | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|   | <b>C245775</b> | Chisel Cartridge<br>3.2 x 1.2 mm S1<br>0.126 x 0.047 in    |   | General use          | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|   | <b>C245755</b> | Chisel Cartridge<br>4 x 0.8 mm HT<br>0.157 x 0.031 in      |  | General use          | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|   | <b>C245756</b> | Chisel Cartridge<br>4.8 x 1 mm HT<br>0.189 x 0.374 in      |  | General use          | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|   | <b>C245908</b> | Chisel Cartridge<br>4.8 x 1.5 mm HT S1<br>0.189 x 0.059 in |  | General use          | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|   | <b>C245708</b> | Chisel Cartridge<br>4.8 x 1.5 mm HT S2<br>0.189 x 0.059 in |  | General use          | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |

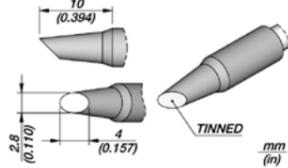
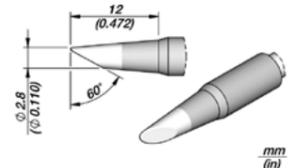
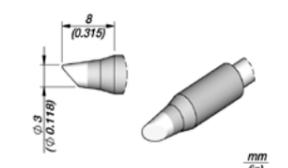
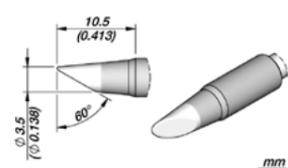
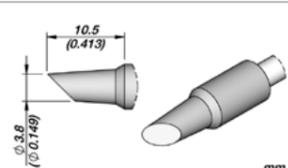
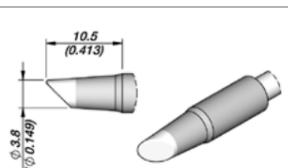
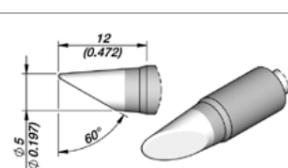
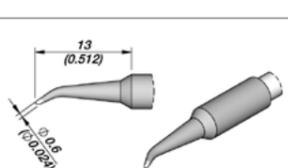
**C245 Cartridge Range for T245 General Purpose Handles**

|  | Ref.           | Description   | Image and dimensions  | Suggested components | Compatible with  |
|--|----------------|---|---|----------------------|--|
|   | <b>C245967</b> | Chisel Cartridge<br>5 x 1 mm HT<br>0.197 x 0.039 in       |    | General use          | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|  | <b>C245069</b> | Chisel Cartridge<br>5 x 1.7 mm HT<br>0.197 x 0.067 in     |    | General use          | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|  | <b>C245966</b> | Chisel Cartridge<br>6.6 x 1.8 mm HT<br>0.259 x 0.071 in   |    | General use          | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|  | <b>C245962</b> | Chisel Bent Cartridge<br>1.2 x 0.7 mm<br>0.047 x 0.027 in |   | General use          | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|  | <b>C245963</b> | Chisel Bent Cartridge<br>1.8 x 0.8 mm<br>0.071 x 0.031 in |  | General use          | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|  | <b>C245946</b> | Chisel Bent Cartridge<br>2.2 x 1 mm<br>0.087 x 0.039 in   |  | General use          | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|  | <b>C245732</b> | Chisel Bent Cartridge<br>3.2 x 1.5 mm<br>0.126 x 0.059 in |  | General use          | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|  | <b>C245761</b> | Chisel Bent Cartridge<br>3 x 1 mm<br>0.118 x 0.039 in     |  | General use          | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |

**C245 Cartridge Range for T245 General Purpose Handles**

|   | Ref.           | Description                                  | Image and dimensions  | Suggested components   | Compatible with  |
|---|----------------|--|---|--|--|
|  | <b>C245747</b> | Bevel Cartridge<br>Ø 0.6 mm<br>Ø 0.024 in    |    | Package 0603<br>Through-hole   | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|   | <b>C245710</b> | Bevel Cartridge<br>Ø 1.2 mm<br>Ø 0.047 in    |    | Drag soldering<br>Through-hole   | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|   | <b>C245064</b> | Bevel Cartridge<br>Ø 1.3 mm<br>Ø 0.051 in    |    | Drag soldering<br>Through-hole<br>Hoof tip with reduced<br>tinned surface, ideal for<br>touch-up | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|   | <b>C245905</b> | Bevel Cartridge<br>Ø 1.5 mm<br>Ø 0.059 in    |   | Drag soldering<br>Through-hole   | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|   | <b>C245405</b> | Bevel Cartridge<br>Ø 1.5 mm HT<br>Ø 0.059 in |  | Drag soldering<br>Through-hole   | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|   | <b>C245102</b> | Bevel Cartridge<br>Ø 2 mm<br>Ø 0.079 in      |  | Drag soldering<br>Through-hole<br>Hoof tip with reduced<br>tinned surface, ideal for<br>touch-up | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|   | <b>C245945</b> | Bevel Cartridge<br>Ø 2.2 mm<br>Ø 0.087 in    |  | Drag soldering<br>Through-hole   | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|   | <b>C245795</b> | Bevel Cartridge<br>Ø 2.5 mm L<br>Ø 0.098 in  |  | Drag soldering<br>Through-hole   | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |

**C245 Cartridge Range for T245 General Purpose Handles**

|   | Ref.           | Description   | Image and dimensions  | Suggested components   | Compatible with  |
|---|----------------|---|---|--|--|
|    | <b>C245784</b> | Bevel Cartridge<br>Ø 2.8 mm<br>Ø 0.110 in             |    | Drag soldering<br>Through-hole                                 | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|   | <b>C245793</b> | Bevel Cartridge<br>Ø 2.8 mm - 60°<br>Ø 0.110 in - 60° |    | Drag soldering<br>Through-hole                                 | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|   | <b>C245912</b> | Bevel Cartridge<br>Ø 3 mm<br>Ø 0.118 in               |    | Drag soldering<br>Through-hole                                 | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|   | <b>C245056</b> | Bevel Cartridge<br>Ø 3.5 mm HT<br>Ø 0.138 in          |   | Drag soldering<br>Through-hole                                 | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|   | <b>C245797</b> | Bevel Cartridge<br>Ø 3.8 mm<br>Ø 0.149 in             |  | Hoof Tip with reduced<br>tinned surface, ideal for<br>touch-up | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|   | <b>C245951</b> | Bevel Cartridge<br>Ø 3.8 mm HT<br>Ø 0.149 in          |  | Drag soldering<br>Through-hole                                 | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|   | <b>C245766</b> | Bevel Cartridge<br>Ø 5 mm<br>Ø 0.197 in               |  | Wide area  | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|  | <b>C245748</b> | Bevel Bent Cartridge<br>Ø 0.6 mm S1<br>Ø 0.024 in     |  | Package 0603<br>Through-hole                                   | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |

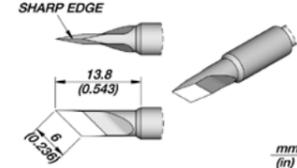
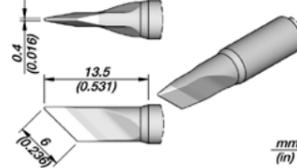
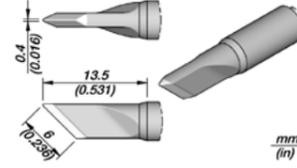
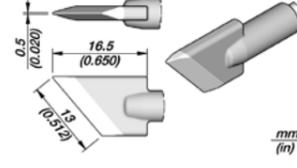
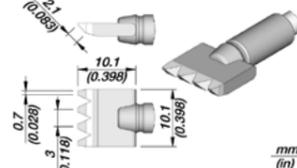
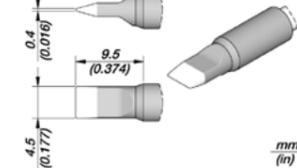
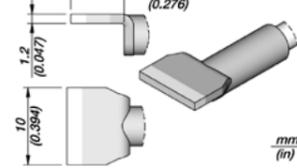
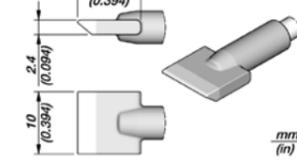
**C245 Cartridge Range for T245 General Purpose Handles**

| Ref.           | Description                                       | Image and dimensions | Suggested components             | Compatible with  |
|----------------|---|----------------------|----------------------------------|--|
| <b>C245749</b> | Bevel Bent Cartridge<br>Ø 0.6 mm S2<br>Ø 0.024 in |                      | Package 0603<br>Through-hole     | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
| <b>C245965</b> | Spoon Cartridge<br>Ø 1.9 mm<br>Ø 0.075 in         |                      | Drag soldering                   | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
| <b>C245067</b> | Spoon Cartridge<br>Ø 2.3 mm<br>Ø 0.091 in         |                      | Drag soldering                   | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
| <b>C245931</b> | Spoon Cartridge<br>Ø 2.7 mm<br>Ø 0.106 in         |                      | Drag soldering                   | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
| <b>C245938</b> | Spoon Cartridge<br>Ø 3.8 mm<br>Ø 0.149 in         |                      | Drag soldering                   | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
| <b>C245790</b> | Barrel Cartridge<br>Ø 0.8 mm<br>Ø 0.031 in        |                      | Through-hole<br>Cable sold/desol | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
| <b>C245785</b> | Barrel Cartridge<br>Ø 1.5 mm<br>Ø 0.059 in        |                      | Through-hole<br>Cable sold/desol | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
| <b>C245763</b> | Barrel Cartridge<br>Ø 2.5 mm<br>Ø 0.098 in        |                      | Through-hole<br>Cable sold/desol | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |

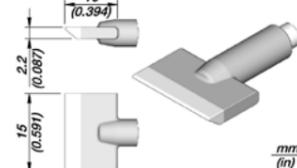
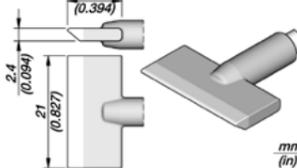
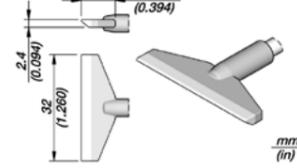
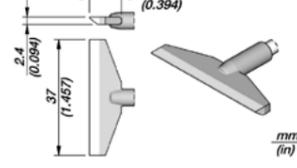
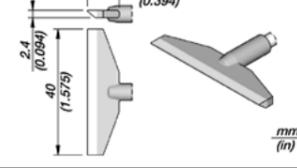
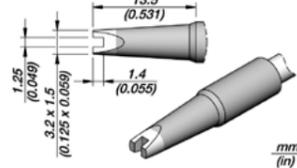
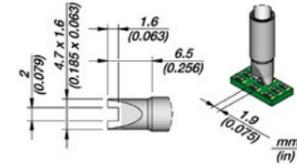
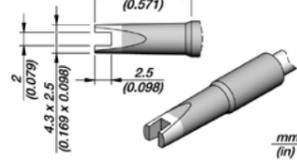
**C245 Cartridge Range for T245 General Purpose Handles**

| Ref.           | Description  | Image and dimensions | Suggested components              | Compatible with  |
|----------------|--|----------------------|-----------------------------------|--|
| <b>C245760</b> | Barrel Cartridge<br>Ø 3.5 mm<br>Ø 0.138 in                       |                      | Through-hole<br>Cable sold/desol  | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
| <b>C245118</b> | Pin / Wire Cartridge<br>0.4 mm<br>0.016 in                       |                      | Through-hole<br>Wire tinning      | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
| <b>C245117</b> | Pin / Connector<br>Cartridge<br>Ø 1.4 mm<br>Ø 0.055 in           |                      | Through-hole                      | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
| <b>C245116</b> | Pin / Connector<br>Cartridge<br>R. 1 mm<br>R. 0.039 in           |                      | Through-hole<br>Coaxial connector | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
| <b>C245122</b> | Pin / Connector<br>Cartridge<br>1.5 x 0.5 mm<br>0.059 x 0.019 in |                      | Cylinder parts                    | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
| <b>C245762</b> | Round Connector<br>Cartridge<br>R. 4.5 mm<br>R. 0.177 in         |                      | Cable sold/desol                  | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
| <b>C245789</b> | Knife Cartridge<br>3.8 x 0.3 mm<br>0.150 x 0.012 in              |                      | Drag soldering                    | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
| <b>C245941</b> | Knife Cartridge<br>6 x 0.3 mm<br>0.236 x 0.012 in                |                      | Drag soldering                    | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |

**C245 Cartridge Range for T245 General Purpose Handles**

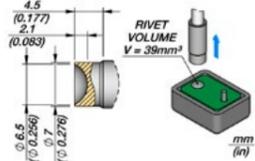
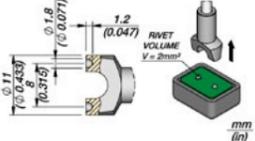
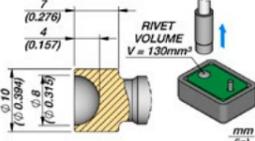
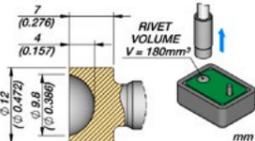
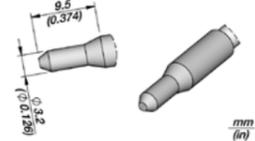
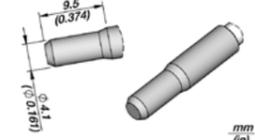
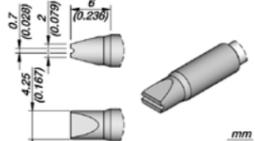
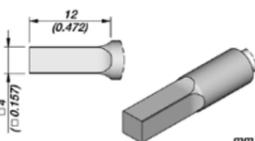
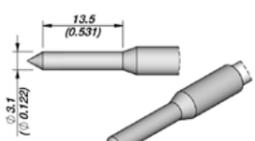
|   | Ref.           | Description  | Image and dimensions  | Suggested components                    | Compatible with  |
|---|----------------|--|---|---|--|
|    | <b>C245940</b> | Knife Cartridge<br>6.0 x 0.1 mm<br>0.236 x 0.118 in    |    | Drag soldering                          | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|   | <b>C245939</b> | Knife Cartridge<br>6.0 x 0.4 mm<br>0.236 x 0.016 in    |    | Drag soldering                          | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|   | <b>C245765</b> | Knife Cartridge<br>6.0 x 0.4 mm S1<br>0.236 x 0.016 in |    | Drag soldering                          | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|   | <b>C245955</b> | Knife Cartridge<br>13 x 0.5 mm<br>0.512 x 0.020 in     |   | Drag Soldering<br>Connector desoldering | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|  | <b>C245728</b> | Multipad Blade Cartridge<br>10.1 mm<br>0.398 in        |  | Connector<br>solder / desolder          | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|   | <b>C245799</b> | Blade Cartridge<br>4.5 mm<br>0.177 in                  |  | Pad cleaning<br>Connector desoldering   | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|   | <b>C245730</b> | Blade Cartridge<br>10 mm S2<br>0.394 in                |  | Pad cleaning<br>Connector desoldering   | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|   | <b>C245914</b> | Blade Cartridge<br>10 mm S1<br>0.394 in                |  | Pad cleaning<br>Connector desoldering   | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |

**C245 Cartridge Range for T245 General Purpose Handles**

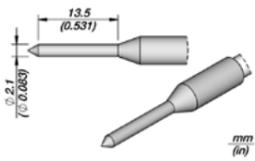
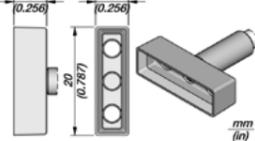
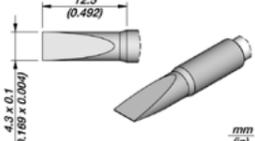
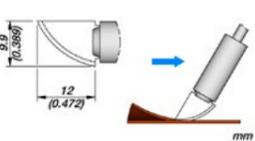
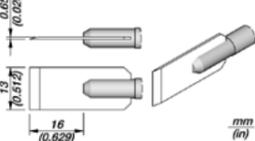
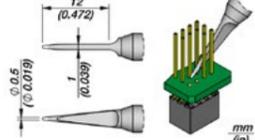
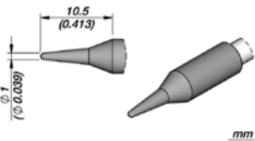
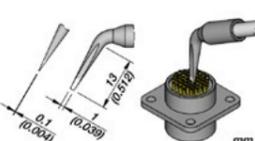
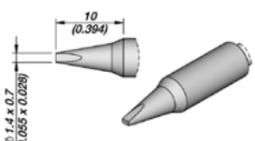
|   | Ref.  | Description                          | Image and dimensions  | Suggested components  | Compatible with  |
|---|---|--------------------------------------|---|---|--|
|  | <b>C245752</b>  | Blade Cartridge<br>15 mm<br>0.591 in |    | Pad cleaning<br>Connector desoldering   | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|   | <b>C245913</b>  | Blade Cartridge<br>21 mm<br>0.827 in |    | Pad cleaning<br>Connector desoldering   | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|   | <b>C245949</b>  | Blade Cartridge<br>32 mm<br>1.260 in |    | Pad cleaning<br>Connector desoldering   | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|   | <b>C245776</b>  | Blade Cartridge<br>37 mm<br>1.457 in |   | Pad cleaning<br>Connector desoldering   | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|   | <b>C245792</b>  | Blade Cartridge<br>40 mm<br>1.575 in |  | Pad cleaning<br>Connector desoldering   | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|   |  | <b>C245757</b>                       | Chip Cartridge<br>1.25 mm<br>0.049 in   |  | SMD resistors<br>SMD capacitors                          |
| <b>C245016</b>  |   | Chip Cartridge<br>1.9 mm<br>0.075 in |  | SMD resistors<br>SMD capacitors   | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
| <b>C245758</b>  |   | Chip Cartridge<br>2 mm<br>0.079 in   |  | SMD resistors<br>SMD capacitors   | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |



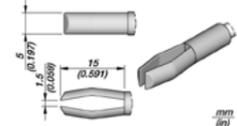
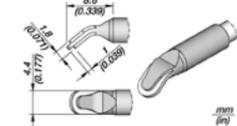
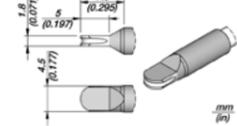
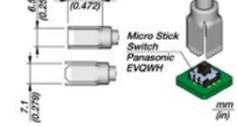
**C245 Cartridge Range for T245 General Purpose Handles**

|   | Ref.           | Description  | Image and dimensions  | Suggested components                     | Compatible with  |
|---|----------------|--|---|--|--|
|  | <b>C245054</b> | Heat Staking Cartridge<br>Ø 6.5 mm<br>Ø 0.256 in                   |    | Chrome finish, design for plastic rivets | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|   | <b>C245143</b> | Double Heat Staking Cartridge<br>Ø 1.8 mm<br>Ø 0.071 in            |    | Chrome finish, design for plastic rivets | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|   | <b>C245798</b> | Heat Staking Cartridge<br>Ø 8 mm<br>Ø 0.315 in                     |    | Chrome finish, design for plastic rivets | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|   | <b>C245791</b> | Heat Staking Cartridge<br>Ø 9.8 mm<br>Ø 0.386 in                   |   | Chrome finish, design for plastic rivets | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|   | <b>C245312</b> | Heat Staking Cartridge<br>Ø 3.2 mm<br>Ø 0.126 in                   |  | Plastics                                 | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|   | <b>C245313</b> | Cartridge for Plastics<br>Ø 4.1 mm<br>Ø 0.161 in                   |  | Plastics                                 | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|   | <b>C245124</b> | Cartridge for Plastics<br>4.25 x 2 mm<br>0.167 x 0.079 in          |  | Plastics                                 | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|   | <b>C245123</b> | Cartridge for Plastics<br>4 x 4 mm<br>0.157 in                     |  | Plastics                                 | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|   | <b>C245168</b> | Thermal Hole-Punch Cartridge for Plastic<br>Ø 3.1 mm<br>Ø 0.122 in |  | Plastics                                 | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |

**C245 Cartridge Range for T245 General Purpose Handles**

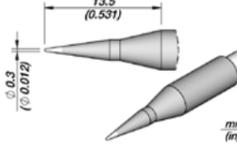
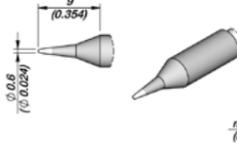
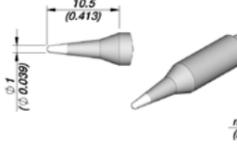
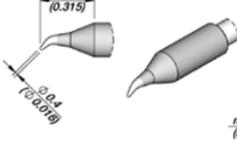
|   | Ref.           | Description   | Image and dimensions  | Suggested components                    | Compatible with  |
|---|----------------|---|---|---|--|
|    | <b>C245167</b> | Thermal Hole-Punch Cartridge for Plastic<br>Ø 2.1 mm<br>Ø 0.083 in      |    | Plastics                                | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|   | <b>C245311</b> | Cartridge for Plastics<br>20 x 6 mm<br>0.787 x 0.256 in                 |    | Plastics                                | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|    | <b>C245109</b> | Conformal Coating Removal Cartridge<br>4.3 x 0.1 mm<br>0.169 x 0.004 in |    | Remove underfill encapsulants           | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|   | <b>C245138</b> | Cutter Cartridge<br>12 mm<br>0.472 in                                   |   | Plastic Rubber cutter                   | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|   | <b>C245121</b> | Cutter Cartridge<br>13 mm<br>0.512 in                                   |  | Plastic Rubber cutter                   | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|  | <b>C245764</b> | Fine Pitch Cartridge<br>Ø 0.5 mm<br>Ø 0.019 in                          |  | Package 0603 QFP, IC Fine pitch         | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|   | <b>C245119</b> | Conical Teflon Cartridge<br>Ø 1 mm<br>Ø 0.039 in                        |  | Plastics                                | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|   | <b>C245771</b> | Bent Cartridge<br>1 x 0.1 mm<br>0.039 x 0.004 in                        |  | Cable soldering to connector Fine pitch | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|   | <b>C245772</b> | Nickel Cartridge<br>Ø 1.4 x 0.7 mm S1<br>Ø 0.055 x 0.028 in             |  | HMP Soldering                           | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |

**C245 Cartridge Range for T245 General Purpose Handles**

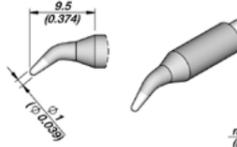
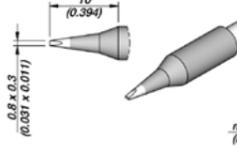
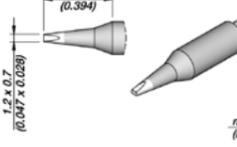
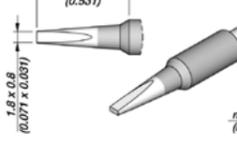
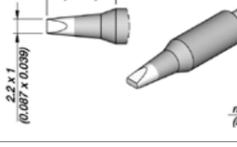
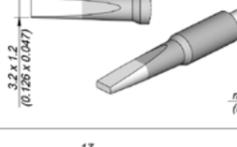
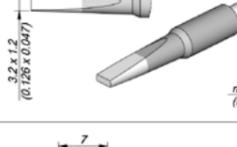
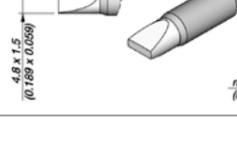
| Ref.           | Description   | Image and dimensions  | Suggested components       | Compatible with  |
|----------------|---|---|----------------------------|--|
| <b>C245268</b> | Pin/Wire Cartridge<br>1.5 mm<br>0.059 in                            |  | Through-hole               | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
| <b>C245010</b> | J-Lead Cartridge<br>4.4 x 1.8 mm<br>0.177 x 0.071 in                |  | Drag Soldering<br>J-lead   | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
| <b>C245009</b> | S-Lead Cartridge<br>4.5 x 1.8 mm<br>0.177 x 0.071 in                |  | Drag Soldering             | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
| <b>C245136</b> | Micro Stick Switch<br>Cartridge<br>7.1 x 6.5 mm<br>0.279 x 0.256 in |  | Micro Stick<br>desoldering | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |

**C245L Longer Cartridge Range for T245 General Purpose Handles**

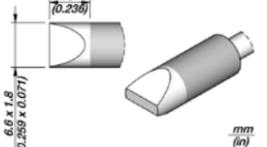
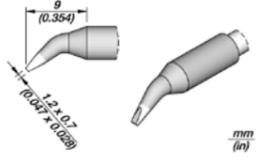
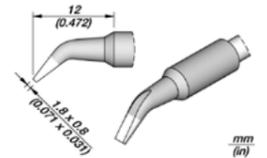
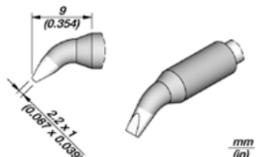
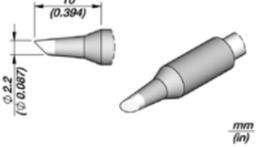
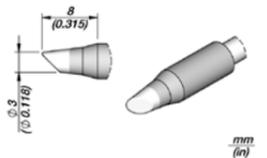
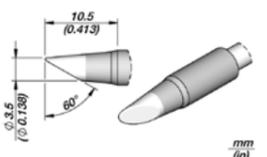
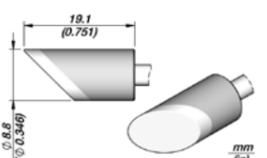
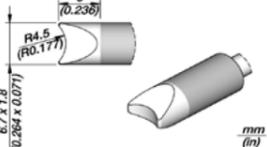
C245L Cartridges are 20mm longer for easier access to difficult-to-reach joints.

| Ref.           | Description  | Image and dimensions  | Suggested components                                | Compatible with  |
|----------------|--|---|---|--|
| <b>C245230</b> | Conical Cartridge<br>Ø 0.3 mm L<br>Ø 0.012 in            |  | General use   | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
| <b>C245201</b> | Conical Cartridge<br>Ø 0.6 mm L<br>Ø 0.024 in            |  | Package 0603<br>QFP, IC                             | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
| <b>C245803</b> | Conical Cartridge<br>Ø 1 mm L<br>Ø 0.040 in              |  | General use   | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
| <b>C245234</b> | Conical Bent<br>Cartridge<br>Ø 0.4 mm S1 L<br>Ø 0.016 in |  | Package 0201, 0402<br>Fine pitch 0.65 mm<br>QFP, IC | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |

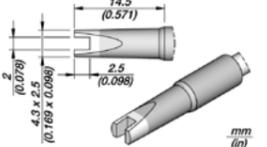
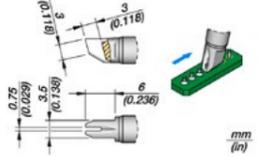
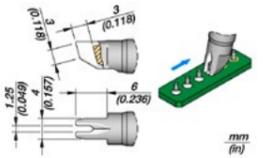
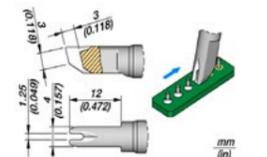
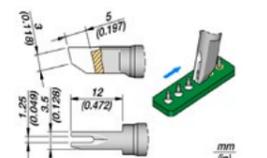
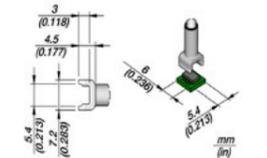
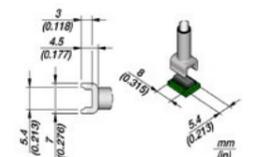
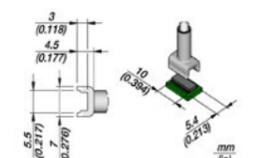
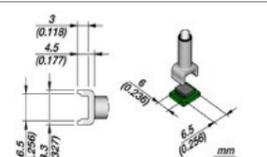
**C245L Longer Cartridge Range for T245 General Purpose Handles**

| Ref.           | Description   | Image and dimensions  | Suggested components         | Compatible with  |
|----------------|---|---|------------------------------|--|
| <b>C245804</b> | Conical Bent<br>Cartridge<br>Ø 1 mm L<br>Ø 0.039 in       |    | General use                  | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
| <b>C245673</b> | Chisel Cartridge<br>0.8 x 0.3 mm L<br>0.031 x 0.011 in    |    | Package 0805<br>Through-hole | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
| <b>C245806</b> | Chisel Cartridge<br>1.2 x 0.7 mm L<br>0.047 x 0.028 in    |    | General use                  | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
| <b>C245844</b> | Chisel Cartridge<br>1.8 x 0.8 mm L<br>0.071 x 0.031 in    |   | General use                  | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
| <b>C245807</b> | Chisel Cartridge<br>2.2 x 1 mm L<br>0.087 x 0.039 in      |  | General use                  | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
| <b>C245261</b> | Chisel Cartridge<br>3 x 1 mm L<br>0.118 x 0.039 in        |  | General use                  | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
| <b>C245811</b> | Chisel Cartridge<br>3.2 x 1.2 mm L<br>0.125 x 0.047 in    |  | General use                  | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
| <b>C245875</b> | Chisel Cartridge<br>3.2 x 1.2 mm L<br>0.125 x 0.047 in    |  | General use                  | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
| <b>C245808</b> | Chisel Cartridge<br>4.8 x 1.5 mm HT L<br>0.189 x 0.059 in |  | General use                  | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |

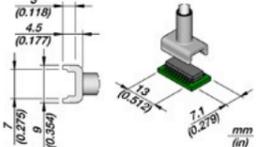
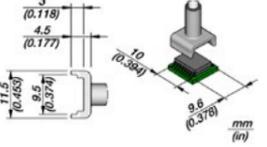
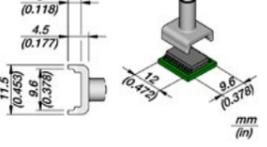
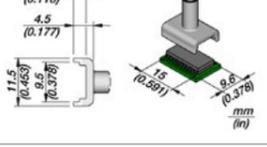
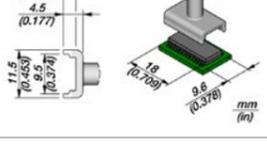
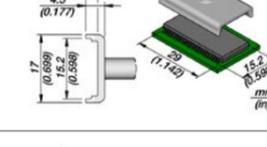
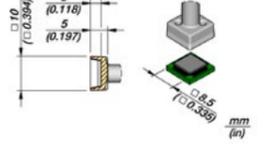
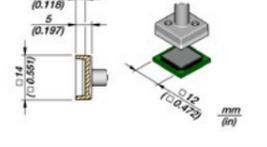
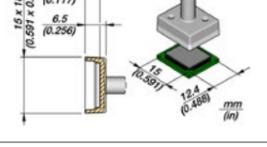
**C245L Longer Cartridge Range for T245 General Purpose Handles**

|   | Ref.           | Description   | Image and dimensions  | Suggested components           | Compatible with  |
|---|----------------|---|---|--------------------------------|--|
|    | <b>C245866</b> | Chisel Cartridge<br>6.6 x 1.8 mm HT L<br>0.259 x 0.071 in   |    | General use                    | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|    | <b>C245862</b> | Chisel Bent Cartridge<br>1.2 x 0.7 mm L<br>0.047 x 0.028 in |    | General use                    | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|   | <b>C245863</b> | Chisel Bent Cartridge<br>1.8 x 0.8 mm L<br>0.071 x 0.031 in |    | General use                    | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|   | <b>C245846</b> | Chisel Bent Cartridge<br>2.2 x 1 mm L<br>0.087 x 0.039 in   |   | General use                    | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|  | <b>C245845</b> | Bevel Cartridge<br>Ø 2.2 mm L<br>Ø 0.087 in                 |  | Drag soldering<br>Through-hole | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|   | <b>C245812</b> | Bevel Cartridge<br>Ø 3 mm L<br>Ø 0.118 in                   |  | Drag soldering<br>Through-hole | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|   | <b>C245256</b> | Bevel Cartridge<br>Ø 3.5 mm HT L<br>Ø 0.138 in              |  | Drag soldering<br>Through-hole | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|   | <b>C245301</b> | Bevel Cartridge<br>Ø 8.8 mm<br>Ø 0.346 in                   |  | Wide area                      | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|  | <b>C245662</b> | Round Connector Cartridge<br>R. 4.5 mm L<br>R. 0.177 in     |  | Cable sold/desol               | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |

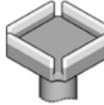
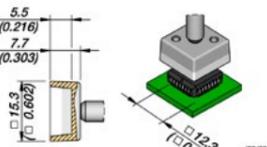
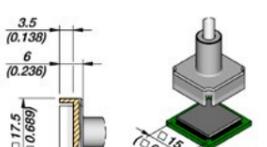
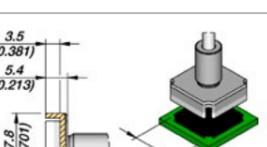
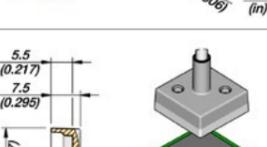
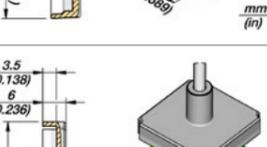
**C245L Longer Cartridge Range for T245 General Purpose Handles**

|   | Ref.           | Description   | Image and dimensions  | Suggested components            | Compatible with  |
|---|----------------|---|---|---------------------------------|--|
|    | <b>C245658</b> | Chip Cartridge<br>2.0 mm L<br>0.078 in              |    | SMD resistors<br>SMD capacitors | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|    | <b>C245654</b> | Drag Cartridge<br>0.75 mm L<br>0.029 in             |    | Drag soldering                  | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|   | <b>C245651</b> | Drag Cartridge<br>1.25 mm L<br>0.049 in             |    | Drag soldering                  | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|   | <b>C245667</b> | Drag Cartridge<br>1.25 mm S1 L<br>0.049 in          |   | Drag soldering                  | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|   | <b>C245669</b> | Drag Cartridge<br>1.25 mm S2 L<br>0.049 in          |  | Drag soldering                  | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|  | <b>C245220</b> | Tunnel Cartridge<br>5.4 x 6 mm<br>0.213 x 0.236 in  |  | Dual in Line<br>IC              | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|   | <b>C245250</b> | Tunnel Cartridge<br>5.4 x 8 mm<br>0.213 x 0.315 in  |  | Dual in Line<br>IC              | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|   | <b>C245221</b> | Tunnel Cartridge<br>5.4 x 10 mm<br>0.213 x 0.394 in |  | Dual in Line<br>IC              | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|   | <b>C245303</b> | Tunnel Cartridge<br>6.5 x 6 mm<br>0.256 x 0.236 in  |  | Dual in Line<br>IC              | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |

**C245L Longer Cartridge Range for T245 General Purpose Handles**

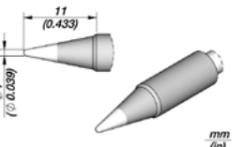
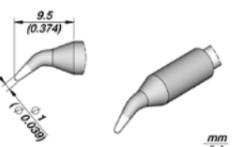
|   | Ref.  | Description  | Image and dimensions  | Suggested components  | Compatible with  |
|---|---|--|---|---|--|
|  | <b>C245222</b>  | Tunnel Cartridge<br>7.1 x 13 mm<br>0.279 x 0.512 in  |    | Dual in Line<br>IC  | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|   | <b>C245306</b>  | Tunnel Cartridge<br>9.6 x 10 mm<br>0.378 x 0.394 in  |    | Dual in Line<br>IC  | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|   | <b>C245305</b>  | Tunnel Cartridge<br>9.6 x 12 mm<br>0.378 x 0.472 in  |    | Dual in Line<br>IC  | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|   | <b>C245304</b>  | Tunnel Cartridge<br>9.6 x 15 mm<br>0.378 x 0.591 in  |   | Dual in Line,<br>IC   | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|   | <b>C245215</b>  | Tunnel Cartridge<br>9.6 x 18 mm<br>0.378 x 0.709 in  |  | Dual in Line<br>IC  | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|   | <b>C245226</b>  | Tunnel Cartridge<br>15.2 x 29 mm<br>0.598 x 1.142 in |  | Dual in Line<br>IC  | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|   |  | <b>C245223</b>                                       | QFP Cartridge<br>8.5 x 8.5 mm<br>0.335 x 0.335 in                                   |  | QFP  |
| <b>C245224</b>  |   | QFP Cartridge<br>12 x 12 mm<br>0.472 x 0.472 in      |  | QFP   | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
| <b>C245228</b>  |   | QFP Cartridge<br>12.4 x 15 mm<br>0.488 x 0.591 in    |  | QFP   | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |

**C245L Longer Cartridge Range for T245 General Purpose Handles**

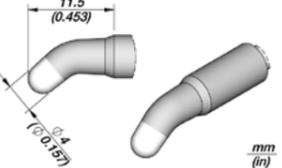
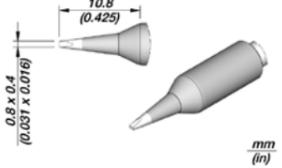
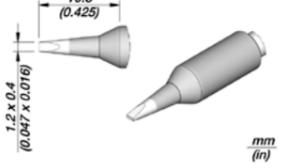
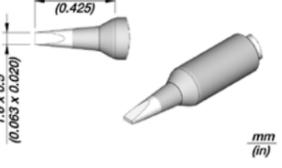
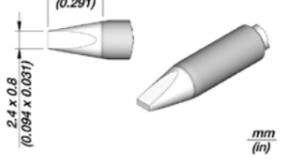
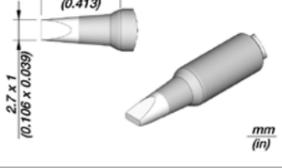
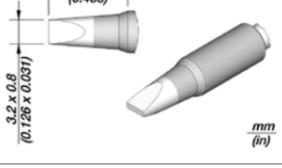
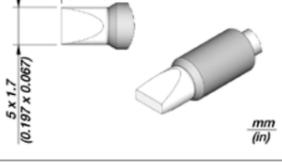
|   | Ref.           | Description   | Image and dimensions  | Suggested components | Compatible with  |
|---|----------------|---|---|----------------------|--|
|  | <b>C245351</b> | QFP Cartridge<br>12.3 x 12.3 mm<br>0.484 x 0.484 in |    | QFP                  | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|   | <b>C245315</b> | QFP Cartridge<br>15 x 15 mm<br>0.591 x 0.591 in     |    | QFP                  | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|   | <b>C245352</b> | QFP Cartridge<br>15.4 x 15.4 mm<br>0.606 x 0.606 in |    | QFP                  | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|   | <b>C245227</b> | QFP Cartridge<br>17.5 x 17.5 mm<br>0.689 x 0.689 in |   | QFP                  | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|   | <b>C245344</b> | QFP Cartridge<br>26 x 26 mm<br>1.024 x 1.024 in     |  | QFP                  | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |

**C245E Extended Tip Life Cartridge Range for T245 General Purpose Handles**

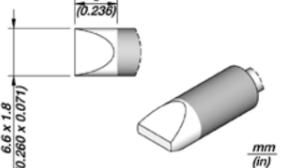
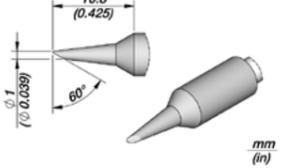
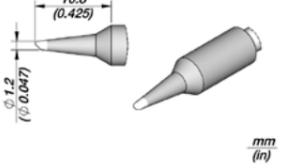
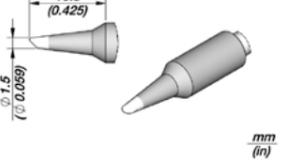
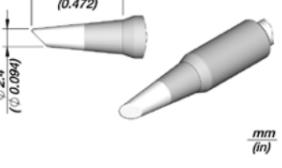
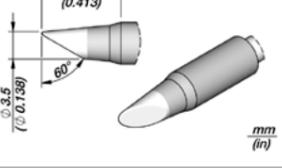
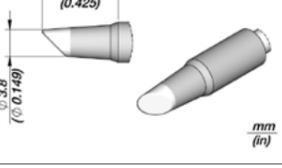
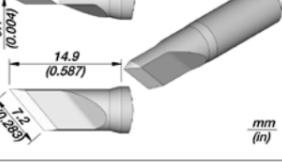
C245E Cartridges have a reinforced protection on the tip that provides a longer life with a small reduction of thermal efficiency.

|   | Ref.            | Description                                       | Image and dimensions  | Suggested components | Compatible with  |
|---|-----------------|---|---|----------------------|--|
|  | <b>C245736E</b> | Conical Cartridge<br>Ø 1 mm<br>Ø 0.039 in         |  | General use          | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
|   | <b>C245909E</b> | Conical Bent<br>Cartridge<br>Ø 1 mm<br>Ø 0.039 in |  | General use          | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |

**C245E** Extended Tip Life Cartridge Range for T245 General Purpose Handles

| Ref.            | Description  | Image and dimensions  | Suggested components | Compatible with  |
|-----------------|--|---|----------------------|--|
| <b>C245629E</b> | Conical Bent Cartridge<br>Ø 4 mm<br>Ø 0.157 in       |    | General use          | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
| <b>C245159E</b> | Chisel Cartridge<br>0.8 x 0.4 mm<br>0.031 x 0.016 in |    | General use          | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
| <b>C245158E</b> | Chisel Cartridge<br>1.2 x 0.4 mm<br>0.047 x 0.016 in |    | General use          | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
| <b>C245160E</b> | Chisel Cartridge<br>1.6 x 0.5 mm<br>0.063 x 0.020 in |   | General use          | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
| <b>C245155E</b> | Chisel Cartridge<br>2.4 x 0.8 mm<br>0.094 x 0.031 in |  | General use          | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
| <b>C245735E</b> | Chisel Cartridge<br>2.7 x 1 mm<br>0.106 x 0.039 in   |  | General use          | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
| <b>C245161E</b> | Chisel Cartridge<br>3.2 x 0.8 mm<br>0.126 x 0.031 in |  | General use          | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
| <b>C245070E</b> | Chisel Cartridge<br>5 x 1.7 mm<br>0.197 x 0.067 in   |  | General use          | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |

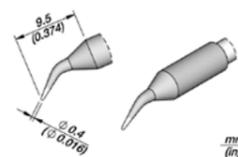
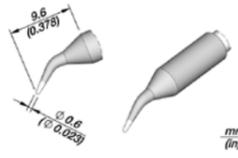
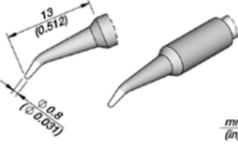
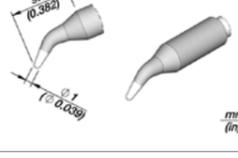
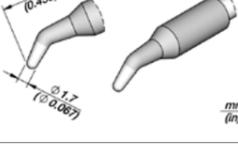
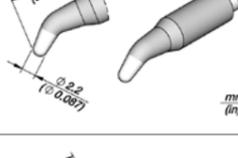
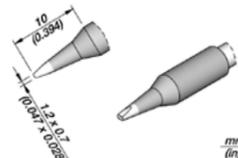
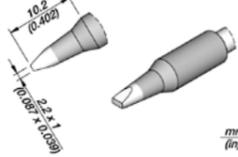
**C245E** Extended Tip Life Cartridge Range for T245 General Purpose Handles

| Ref.            | Description  | Image and dimensions  | Suggested components           | Compatible with  |
|-----------------|--|---|--------------------------------|--|
| <b>C245968E</b> | Chisel Cartridge<br>6.6 x 1.8 mm<br>0.260 x 0.071 in |    | General use                    | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
| <b>C245172E</b> | Bevel Cartridge<br>Ø 1 mm<br>Ø 0.039 in              |    | Drag soldering<br>Through-hole | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
| <b>C245175E</b> | Bevel Cartridge<br>Ø 1.2 mm<br>Ø 0.047 in            |    | Drag soldering<br>Through-hole | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
| <b>C245176E</b> | Bevel Cartridge<br>Ø 1.5 mm<br>Ø 0.059 in            |   | Drag soldering<br>Through-hole | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
| <b>C245156E</b> | Bevel Cartridge<br>Ø 2.4 mm<br>Ø 0.094 in            |  | Drag soldering<br>Through-hole | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
| <b>C245354E</b> | Bevel Cartridge<br>Ø 3.5 mm L<br>Ø 0.138 in          |  | Drag soldering<br>Through-hole | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
| <b>C245952E</b> | Bevel Cartridge<br>Ø 3.8 mm<br>Ø 0.149 in            |  | Drag soldering<br>Through-hole | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |
| <b>C245157E</b> | Knife Cartridge<br>7.2 mm<br>0.283 in                |  | Drag soldering<br>Through-hole | Stations:<br>CDB, CDEB<br>Control Units:<br>DI, DDE, DME |

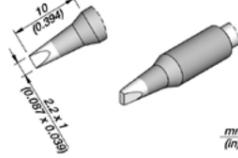
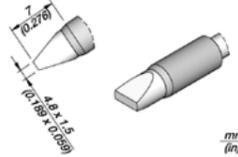
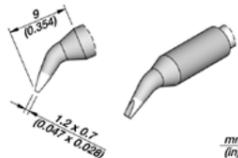
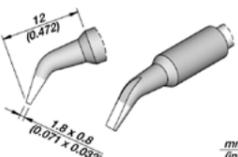
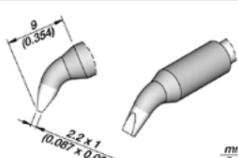
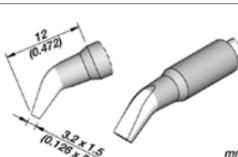
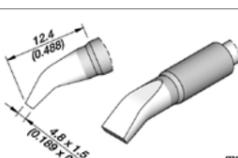
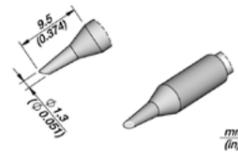
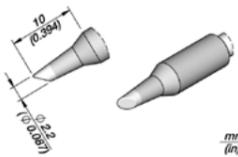


## C250 Cartridge Range

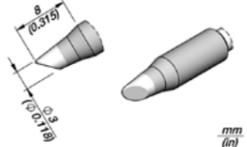
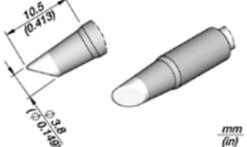
for **ALE250** Auto-Feed Iron and **AP250** Solder Feed Iron

|   | Ref.           | Description   | Image and dimensions  | Suggested components                                | Compatible with      |
|---|----------------|---|---|---|----------------------|
|    | <b>C250420</b> | Conical Bent Cartridge<br>Ø 0.4 mm<br>Ø 0.016 in      |    | Package 0201, 0402<br>Fine pitch 0.65 mm<br>QFP, IC | Stations:<br>ALE, CA |
|   | <b>C250401</b> | Conical Bent Cartridge<br>Ø 0.6 mm<br>Ø 0.023 in      |    | Package 0603<br>QFP, IC                             | Stations:<br>ALE, CA |
|   | <b>C250402</b> | Conical Bent Cartridge<br>Ø 0.8 mm<br>Ø 0.031 in      |   | General use   | Stations:<br>ALE, CA |
|   | <b>C250403</b> | Conical Bent Cartridge<br>Ø 1 mm<br>Ø 0.039 in        |  | General use   | Stations:<br>ALE, CA |
|   | <b>C250409</b> | Conical Bent Cartridge<br>Ø 1.7 mm<br>Ø 0.067 in      |  | General use   | Stations:<br>ALE, CA |
|   | <b>C250410</b> | Conical Bent Cartridge<br>Ø 2.2 mm<br>Ø 0.087 in      |  | General use   | Stations:<br>ALE, CA |
|  | <b>C250407</b> | Chisel Cartridge<br>1.2 x 0.7 mm<br>0.047 x 0.028 in  |  | General use   | Stations:<br>ALE, CA |
|   | <b>C250408</b> | Chisel Cartridge<br>2.2 x 1 mm S1<br>0.087 x 0.039 in |  | General use   | Stations:<br>ALE, CA |

## C250 Cartridge Range for **ALE250** Auto-Feed Iron and **AP250** Solder Feed Iron

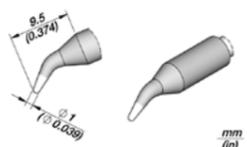
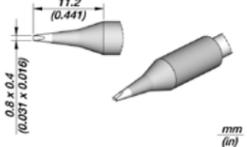
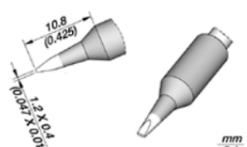
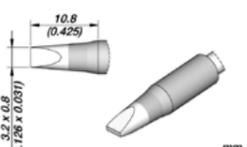
|   | Ref.           | Description   | Image and dimensions  | Suggested components           | Compatible with      |
|---|----------------|---|---|--------------------------------|----------------------|
|    | <b>C250413</b> | Chisel Cartridge<br>2.2 x 1 mm S2<br>0.087 x 0.039 in     |    | General use                    | Stations:<br>ALE, CA |
|   | <b>C250411</b> | Chisel Cartridge<br>4.8 x 1.5 mm<br>0.189 x 0.059 in      |    | General use                    | Stations:<br>ALE, CA |
|    | <b>C250404</b> | Chisel Bent Cartridge<br>1.2 x 0.7 mm<br>0.047 x 0.028 in |    | General use                    | Stations:<br>ALE, CA |
|   | <b>C250405</b> | Chisel Bent Cartridge<br>1.8 x 0.8 mm<br>0.071 x 0.032 in |   | General use                    | Stations:<br>ALE, CA |
|   | <b>C250406</b> | Chisel Bent Cartridge<br>2.2 x 1 mm<br>0.087 x 0.039 in   |  | General use                    | Stations:<br>ALE, CA |
|   | <b>C250418</b> | Chisel Bent Cartridge<br>3.2 x 1.5 mm<br>0.126 x 0.059 in |  | General use                    | Stations:<br>ALE, CA |
|   | <b>C250412</b> | Chisel Bent Cartridge<br>4.8 x 1.5 mm<br>0.189 x 0.059 in |  | General use                    | Stations:<br>ALE, CA |
|  | <b>C250426</b> | Bevel Cartridge<br>Ø 1.3 mm<br>Ø 0.051 in                 |  | Drag soldering<br>Through-hole | Stations:<br>ALE, CA |
|   | <b>C250414</b> | Bevel Cartridge<br>Ø 2.2 mm<br>Ø 0.087 in                 |  | Drag soldering<br>Through-hole | Stations:<br>ALE, CA |

**C250 Cartridge Range for ALE250 Auto-Feed Iron and AP250 Solder Feed Iron**

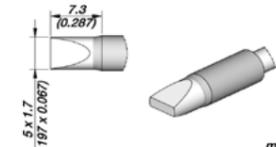
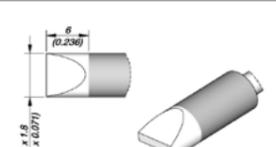
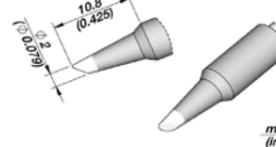
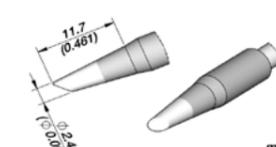
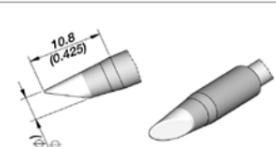
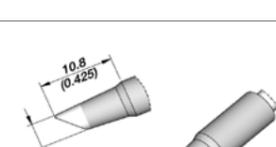
|   | Ref.           | Description                               | Image and dimensions  | Suggested components           | Compatible with      |
|---|----------------|---|---|--------------------------------|----------------------|
|  | <b>C250424</b> | Bevel Cartridge<br>Ø 3 mm<br>Ø 0.118 in   |  | Drag soldering<br>Through-hole | Stations:<br>ALE, CA |
|   | <b>C250415</b> | Bevel Cartridge<br>Ø 3.8 mm<br>Ø 0.149 in |  | Drag soldering<br>Through-hole | Stations:<br>ALE, CA |

**C250E Extended Tip Life Cartridge Range for ALE250 Auto-Feed Iron and AP250 Solder Feed Iron**

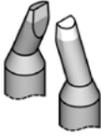
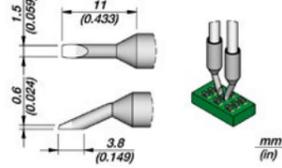
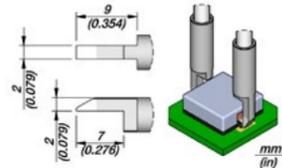
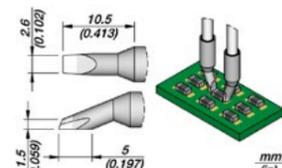
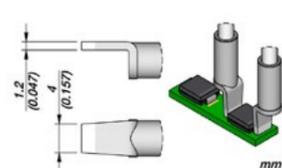
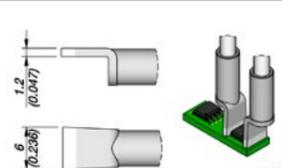
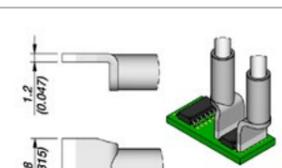
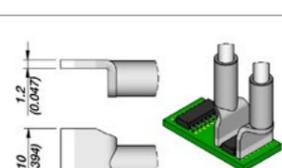
C250E Cartridges have a reinforced protection on the tip that provides a longer life with a small reduction of thermal efficiency.

|   | Ref.            | Description  | Image and dimensions  | Suggested components                                | Compatible with      |
|---|-----------------|--|---|---|----------------------|
|  | <b>C250428E</b> | Conical Bent Cartridge<br>Ø 1 mm<br>Ø 0.039 in       |  | Package 0201, 0402<br>Fine pitch 0.65 mm<br>QFP, IC | Stations:<br>ALE, CA |
|   | <b>C250427E</b> | Conical Bent Cartridge<br>Ø 4 mm<br>Ø 0.157 in       |  | General use   | Stations:<br>ALE, CA |
|  | <b>C250438E</b> | Chisel Cartridge<br>0.8 x 0.4 mm<br>0.031 x 0.016 in |  | General use   | Stations:<br>ALE, CA |
|   | <b>C250432E</b> | Chisel Cartridge<br>1.2 x 0.4 mm<br>0.047 x 0.016 in |  | General use   | Stations:<br>ALE, CA |
|   | <b>C250439E</b> | Chisel Cartridge<br>3.2 x 0.8 mm<br>0.126 x 0.031 in |  | General use   | Stations:<br>ALE, CA |

**C250E Extended Tip Life Cartridge Range for ALE250 and AP250 Solder Feed Iron**

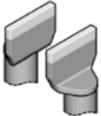
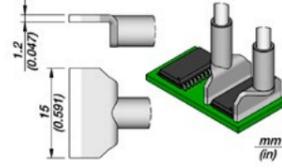
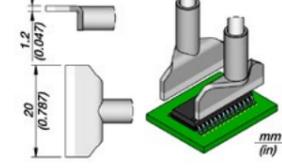
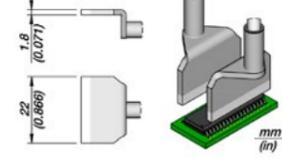
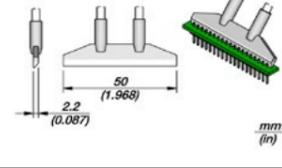
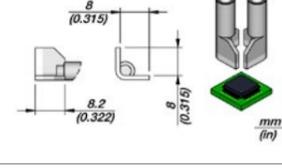
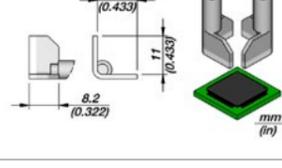
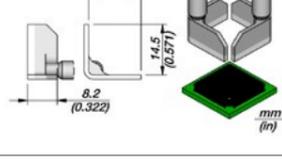
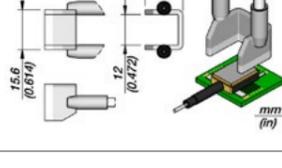
|   | Ref.            | Description  | Image and dimensions  | Suggested components           | Compatible with      |
|---|-----------------|--|---|--------------------------------|----------------------|
|  | <b>C250436E</b> | Chisel Cartridge<br>5 x 1.7 mm<br>0.197 x 0.067 in   |    | General use                    | Stations:<br>ALE, CA |
|   | <b>C250441E</b> | Chisel Cartridge<br>6.6 x 1.8 mm<br>0.260 x 0.071 in |    | General use                    | Stations:<br>ALE, CA |
|  | <b>C250433E</b> | Bevel Cartridge<br>Ø 2 mm<br>Ø 0.079 in              |    | Drag soldering<br>Through-hole | Stations:<br>ALE, CA |
|   | <b>C250437E</b> | Bevel Cartridge<br>Ø 2.4 mm<br>Ø 0.094 in            |   | Drag soldering<br>Through-hole | Stations:<br>ALE, CA |
|   | <b>C250440E</b> | Bevel Cartridge<br>Ø 3.5 mm<br>Ø 0.138 in            |  | Drag soldering<br>Through-hole | Stations:<br>ALE, CA |
|   | <b>C250429E</b> | Bevel Cartridge<br>Ø 3.8 mm<br>Ø 0.150 in            |  | Drag soldering<br>Through-hole | Stations:<br>ALE, CA |

## C420 Cartridge Range for AT420 and HT420 Thermal Tweezers

|   | Ref.           | Description                          | Image and dimensions  | Suggested components                 | Compatible with                |
|---|----------------|--------------------------------------|---|--------------------------------------|--------------------------------|
|    | <b>C420271</b> | Chip Cartridge<br>1.5 mm<br>0.059 in |    | SMD resistors<br>SMD capacitors      | Control Units:<br>DI, DDE, DME |
|   | <b>C420287</b> | Chip Cartridge<br>2 mm<br>0.079 in   |    | Customized                           | Control Units:<br>DI, DDE, DME |
|   | <b>C420272</b> | Chip Cartridge<br>2.6 mm<br>0.102 in |   | SMD resistors<br>SMD capacitors      | Control Units:<br>DI, DDE, DME |
|   | <b>C420273</b> | Blade Cartridge<br>4 mm<br>0.157 in  |  | Package 1210, 1812<br>SO, SOT<br>DIP | Control Units:<br>DI, DDE, DME |
|  | <b>C420274</b> | Blade Cartridge<br>6 mm<br>0.236 in  |  | DIP<br>IC                            | Control Units:<br>DI, DDE, DME |
|   | <b>C420275</b> | Blade Cartridge<br>8 mm<br>0.315 in  |  | DIP<br>IC                            | Control Units:<br>DI, DDE, DME |
|   | <b>C420276</b> | Blade Cartridge<br>10 mm<br>0.394 in |  | DIP<br>IC                            | Control Units:<br>DI, DDE, DME |



## C420 Cartridge Range for AT420 and HT420 Thermal Tweezers

|   | Ref.           | Description  | Image and dimensions  | Suggested components                  | Compatible with                |
|---|----------------|--|---|---------------------------------------|--------------------------------|
|    | <b>C420277</b> | Blade Cartridge<br>15 mm<br>0.591 in                         |    | DIP<br>IC                             | Control Units:<br>DI, DDE, DME |
|   | <b>C420278</b> | Blade Cartridge<br>20 mm<br>0.787 in                         |    | DIP<br>IC                             | Control Units:<br>DI, DDE, DME |
|   | <b>C420285</b> | Blade Cartridge<br>22 mm<br>0.866 in                         |    | DIP<br>IC                             | Control Units:<br>DI, DDE, DME |
|   | <b>C420283</b> | Blade Cartridge<br>50 mm<br>1.968 in                         |  | Pad cleaning<br>Connector desoldering | Control Units:<br>DI, DDE, DME |
|   | <b>C420279</b> | QFP Cartridge<br>8 mm<br>0.315 in                            |  | QFP<br>PLCC                           | Control Units:<br>DI, DDE, DME |
|  | <b>C420280</b> | QFP Cartridge<br>11 mm<br>0.433 in                           |  | QFP<br>PLCC                           | Control Units:<br>DI, DDE, DME |
|   | <b>C420288</b> | QFP Cartridge<br>14.5 mm<br>0.571 in                         |  | QFP<br>PLCC                           | Control Units:<br>DI, DDE, DME |
|   | <b>C420286</b> | "U" Shape<br>Cartridge<br>15.6 x 14.3 mm<br>0.614 x 0.563 in |  | Customized                            | Control Units:<br>DI, DDE, DME |

## C470 Cartridge Range for T470 and HT470 HD Heavy Duty Tools

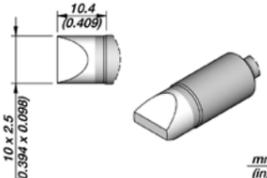
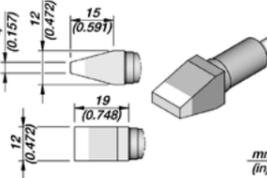
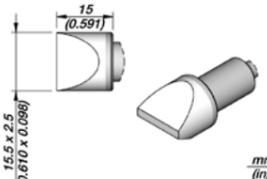
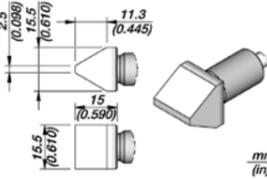
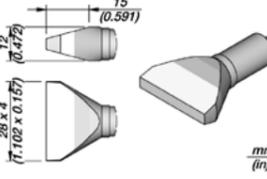
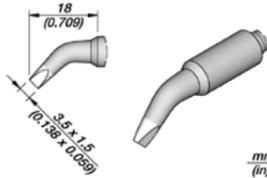
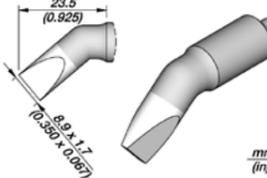
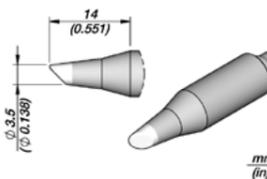


|  | Ref.           | Description   | Image and dimensions | Suggested components | Compatible with |
|--|----------------|---|----------------------|----------------------|-----------------|
|  | <b>C470001</b> | Conical Cartridge<br>Ø 1.7 mm<br>Ø 0.067 in           |                      | General use          | Station:<br>HDE |
|  | <b>C470008</b> | Conical Bent Cartridge<br>Ø 3.5 mm<br>Ø 0.138 in      |                      | General use          | Station:<br>HDE |
|  | <b>C470013</b> | Chisel Cartridge<br>2 x 0.9 mm<br>0.079 x 0.035 in    |                      | General use          | Station:<br>HDE |
|  | <b>C470036</b> | Chisel Cartridge<br>2 x 1 mm<br>0.079 x 0.039 in      |                      | General use          | Station:<br>HDE |
|  | <b>C470014</b> | Chisel Cartridge<br>4 x 1.3 mm S1<br>0.157 x 0.051 in |                      | General use          | Station:<br>HDE |
|  | <b>C470040</b> | Chisel Cartridge<br>4 x 1.3 mm S2<br>0.157 x 0.051 in |                      | General use          | Station:<br>HDE |
|  | <b>C470035</b> | Chisel Cartridge<br>4 x 2.5 mm<br>0.157 x 0.098 in    |                      | General use          | Station:<br>HDE |

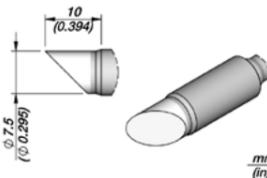
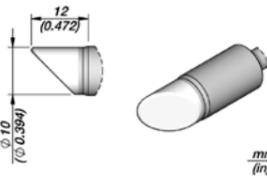
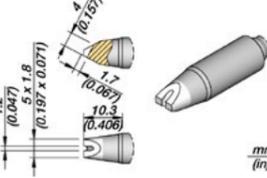
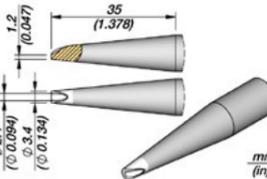
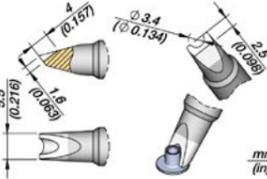
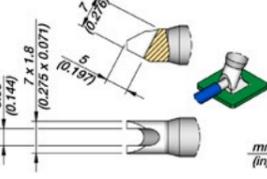
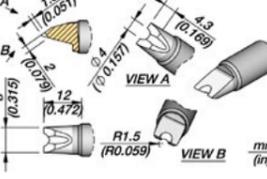
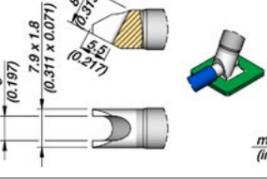
## C470 Cartridge Range for T470 and HT470 HD Heavy Duty Tools

|  | Ref.           | Description  | Image and dimensions | Suggested components       | Compatible with |
|--|----------------|--|----------------------|----------------------------|-----------------|
|  | <b>C470017</b> | Chisel Cartridge<br>5 x 1.2 mm<br>0.197 x 0.047 in   |                      | General use                | Station:<br>HDE |
|  | <b>C470009</b> | Chisel Cartridge<br>5.5 x 1.5 mm<br>0.216 x 0.059 in |                      | General use<br>Sheet metal | Station:<br>HDE |
|  | <b>C470002</b> | Chisel Cartridge<br>6 x 1.5 mm<br>0.236 x 0.059 in   |                      | General use<br>Sheet metal | Station:<br>HDE |
|  | <b>C470015</b> | Chisel Cartridge<br>6 x 1.7 mm<br>0.236 x 0.067 in   |                      | General use                | Station:<br>HDE |
|  | <b>C470004</b> | Chisel Cartridge<br>7.5 x 1.5 mm<br>0.295 x 0.059 in |                      | General use<br>Sheet metal | Station:<br>HDE |
|  | <b>C470016</b> | Chisel Cartridge<br>7.5 x 1.7 mm<br>0.295 x 0.067 in |                      | General use                | Station:<br>HDE |
|  | <b>C470058</b> | Chisel Cartridge<br>8 x 2.5 mm<br>0.315 x 0.098 in   |                      | General use<br>Sheet metal | Station:<br>HDE |
|  | <b>C470039</b> | Chisel Cartridge<br>8.5 x 2.5 mm<br>0.335 x 0.098 in |                      | General use<br>Sheet metal | Station:<br>HDE |

**C470 Cartridge Range for T470 and HT470 HD Heavy Duty Tools**

|   | Ref.           | Description   | Image and dimensions  | Suggested components       | Compatible with |
|---|----------------|---|---|----------------------------|-----------------|
|    | <b>C470006</b> | Chisel Cartridge<br>10 x 2.5 mm<br>0.394 x 0.098 in       |    | General use<br>Sheet metal | Station:<br>HDE |
|   | <b>C470021</b> | Chisel Cartridge<br>12 x 4 mm<br>0.472 x 0.157 in         |    | General use<br>Sheet metal | Station:<br>HDE |
|   | <b>C470007</b> | Chisel Cartridge<br>15.5 x 2.5 mm<br>0.610 x 0.098 in     |    | General use<br>Sheet metal | Station:<br>HDE |
|   | <b>C470067</b> | Chisel Cartridge<br>15.5 X 2.5 mm<br>0.610 x 0.098 in     |   | General use<br>Sheet metal | Station:<br>HDE |
|   | <b>C470022</b> | Chisel Cartridge<br>28 x 4 mm<br>1.102 x 0.157 in         |  | Sheet metal                | Station:<br>HDE |
|  | <b>C470034</b> | Chisel Bent Cartridge<br>3.5 x 1.5 mm<br>0.138 x 0.059 in |  | General use                | Station:<br>HDE |
|   | <b>C470018</b> | Chisel Bent Cartridge<br>8.9 x 1.7 mm<br>0.350 x 0.067 in |  | General use<br>Sheet metal | Station:<br>HDE |
|  | <b>C470019</b> | Bevel Cartridge<br>Ø 3.5 mm<br>Ø 0.138 in                 |  | General use                | Station:<br>HDE |

**C470 Cartridge Range for T470 and HT470 HD Heavy Duty Tools**

|   | Ref.           | Description                                 | Image and dimensions  | Suggested components                           | Compatible with |
|---|----------------|---|---|--|-----------------|
|  | <b>C470003</b> | Bevel Cartridge<br>Ø 7.5 mm<br>Ø 0.295 in   |    | General use<br>Sheet metal                     | Station:<br>HDE |
|   | <b>C470056</b> | Bevel Cartridge<br>Ø 10 mm<br>Ø 0.394 in    |    | Wide area<br>Shield desoldering<br>Sheet metal | Station:<br>HDE |
|  | <b>C470028</b> | Barrel Cartridge<br>Ø 1.2 mm<br>Ø 0.047 in  |    | Cable<br>Through-hole                          | Station:<br>HDE |
|   | <b>C470020</b> | Barrel Cartridge<br>Ø 2.4 mm<br>Ø 0.094 in  |   | Through-hole                                   | Station:<br>HDE |
|   | <b>C470048</b> | Barrel Cartridge<br>Ø 3.4 mm<br>Ø 0.134 in  |  | Cable<br>Through-hole                          | Station:<br>HDE |
|   | <b>C470033</b> | Barrel Cartridge<br>Ø 3.65 mm<br>Ø 0.144 in |  | Cable<br>Through-hole                          | Station:<br>HDE |
|   | <b>C470055</b> | Barrel Cartridge<br>Ø 4 mm<br>Ø 0.157 in    |  | Cable<br>Through-hole                          | Station:<br>HDE |
|   | <b>C470030</b> | Barrel Cartridge<br>Ø 5 mm<br>Ø 0.197 in    |  | Cable<br>Through-hole                          | Station:<br>HDE |

**C470 Cartridge Range for T470 and HT470 HD Heavy Duty Tools**

|   | Ref.           | Description                                 | Image and dimensions | Suggested components                  | Compatible with |
|---|----------------|---|----------------------|---------------------------------------|-----------------|
|    | <b>C470049</b> | Barrel Cartridge<br>Ø 5.2 mm<br>Ø 0.205 in  |                      | Cable Through-hole                    | Station: HDE    |
|   | <b>C470037</b> | Barrel Cartridge<br>Ø 8 mm<br>Ø 0.315 in    |                      | Cable Through-hole                    | Station: HDE    |
|   | <b>C470073</b> | Barrel Cartridge<br>Ø 10 mm<br>Ø 0.394 in   |                      | Cable Through-hole                    | Station: HDE    |
|   | <b>C470041</b> | Barrel Cartridge<br>Ø 12.5 mm<br>Ø 0.492 in |                      | Cable Through-hole                    | Station: HDE    |
|  | <b>C470061</b> | Knife Cartridge<br>10.6 mm<br>0.417 in      |                      | Drag Soldering                        | Station: HDE    |
|  | <b>C470064</b> | Blade Cartridge<br>10 mm<br>0.394 in        |                      | Pad cleaning<br>Connector desoldering | Station: HDE    |
|   | <b>C470059</b> | Blade Cartridge<br>20 mm<br>0.787 in        |                      | Pad cleaning<br>Connector desoldering | Station: HDE    |
|   | <b>C470023</b> | Blade Cartridge<br>32 mm<br>1.260 in        |                      | Pad cleaning<br>Connector desoldering | Station: HDE    |

**C470 Cartridge Range for T470 and HT470 HD Heavy Duty Tools**

|   | Ref.           | Description   | Image and dimensions | Suggested components                  | Compatible with |
|---|----------------|---|----------------------|---------------------------------------|-----------------|
|    | <b>C470063</b> | Blade Cartridge<br>37 mm<br>1.457 in                |                      | Pad cleaning<br>Connector desoldering | Station: HDE    |
|   | <b>C470046</b> | Single Flat Cartridge<br>7.5 mm<br>0.295 in         |                      | General use<br>Sheet metal            | Station: HDE    |
|   | <b>C470050</b> | Blade Cartridge<br>Ø 3.8 mm<br>Ø 0.150 in           |                      | Cable Connectors                      | Station: HDE    |
|  | <b>C470043</b> | Drag Cartridge<br>1.1 x 10 mm<br>0.043 x 0.394 in   |                      | Wire soldering                        | Station: HDE    |
|  | <b>C470031</b> | Pin/Connector Cartridge<br>Ø 3.3 mm<br>Ø 0.126 in   |                      | Cable Through-hole                    | Station: HDE    |
|   | <b>C470045</b> | Pin / Connector Cartridge<br>Ø 3.5 mm<br>Ø 0.138 in |                      | Through-hole<br>Male connector        | Station: HDE    |
|   | <b>C470042</b> | Pin/Connector Cartridge<br>Ø 4.8 mm<br>Ø 0.189 in   |                      | Cable Through-hole                    | Station: HDE    |
|   | <b>C470066</b> | Pin/Connector Cartridge<br>Ø 5.5 mm<br>Ø 0.216 in   |                      | Cable Through-hole                    | Station: HDE    |

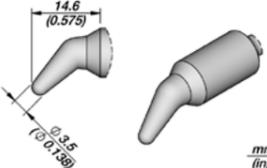
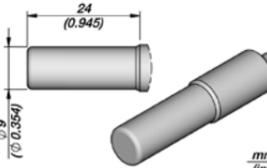
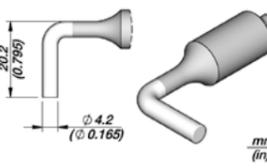
**C470 Cartridge Range for T470 and HT470 HD Heavy Duty Tools**

| Ref.           | Description  | Image and dimensions | Suggested components        | Compatible with |
|----------------|--|----------------------|-----------------------------|-----------------|
| <b>C470065</b> | Pin/Connector Cartridge<br>Ø 8.5 mm<br>Ø 0.335 in    |                      | Cable Through-hole          | Station: HDE    |
| <b>C470012</b> | Pin/Connector Cartridge<br>R. 6 mm S1<br>R. 0.236 in |                      | Cables Connectors           | Station: HDE    |
| <b>C470038</b> | Pin/Connector Cartridge<br>R. 6 mm S2<br>R. 0.236 in |                      | Wide area Cables Connectors | Station: HDE    |
| <b>C470047</b> | Pin/Connector Cartridge<br>Ø 14 mm<br>Ø 0.551 in     |                      | Cable Through-hole          | Station: HDE    |
| <b>C470010</b> | Pin/Connector Cartridge<br>R. 8 mm<br>R. 0.315 in    |                      | Cables connectors           | Station: HDE    |
| <b>C470052</b> | Pin/Connector Cartridge<br>R. 8.5 mm<br>R. 0.335 in  |                      | Cables connectors           | Station: HDE    |
| <b>C470029</b> | Pin/Connector Cartridge<br>R. 31 mm<br>R. 1.220 in   |                      | Connectors                  | Station: HDE    |
| <b>C470051</b> | Faston Terminal Cartridge<br>21 mm<br>0.827 in       |                      | Connectors                  | Station: HDE    |

**C470 Cartridge Range for T470 and HT470 HD Heavy Duty Tools**

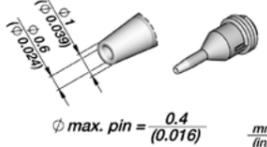
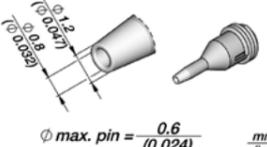
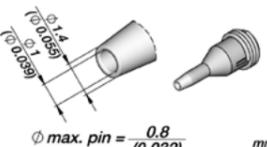
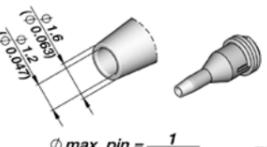
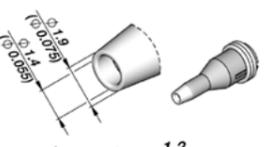
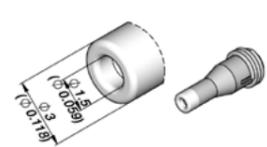
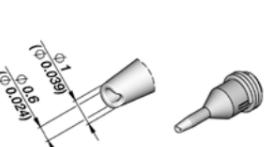
| Ref.            | Description   | Image and dimensions | Suggested components                                      | Compatible with |
|-----------------|---|----------------------|---|-----------------|
| <b>C470070</b>  | Faston Terminal Cartridge<br>21 mm<br>0.827 in                |                      | Connectors  | Station: HDE    |
| <b>C470044</b>  | RF Shield Removal Cartridge<br>10 x 15 mm<br>0.394 x 0.591 in |                      | Shield desoldering Metal PCB Sheet metal                  | Station: HDE    |
| <b>C470057</b>  | RF Shield Removal Cartridge<br>20 x 30 mm<br>0.787 x 1.181 in |                      | Shield desoldering Metal PCB Sheet metal                  | Station: HDE    |
| <b>C470005</b>  | RF Shield Removal Cartridge<br>Ø 15 mm<br>Ø 0.591 in          |                      | Shield desoldering Metal PCB Sheet metal                  | Station: HDE    |
| <b>C470027</b>  | RF Shield Removal Cartridge<br>43 x 20 mm<br>1.693 x 0.787 in |                      | Shield desoldering  | Station: HDE    |
| <b>C470SP01</b> | Solder Pot Cartridge<br>15 x 18 mm<br>0.591 x 0.709 in        |                      | Tinnig wires Desoldering Through-hole Multipin components | Station: HDE    |
| <b>C470SP42</b> | Solder Pot Cartridge<br>40 x 40 mm<br>1.575 x 1.575 in        |                      | Tinnig wires Desoldering Through-hole Multipin components | Station: HDE    |
| <b>C470025</b>  | Heat Staking Cartridge<br>Ø 1.7 mm<br>Ø 0.067 in              |                      | Plastics  | Station: HDE    |

**C470 Cartridge Range for T470 and HT470 HD Heavy Duty Tools**

| Ref.           | Description                                      | Image and dimensions  | Suggested components | Compatible with |
|----------------|--|---|----------------------|-----------------|
| <b>C470026</b> | Heat Staking Cartridge<br>Ø 3.5 mm<br>Ø 0.138 in |  | Plastics             | Station:<br>HDE |
| <b>C470032</b> | Heat Staking Cartridge<br>Ø 9 mm<br>Ø 0.354 in   |  | Plastics             | Station:<br>HDE |
| <b>C470011</b> | Hook Cartridge<br>Ø 4.2 mm<br>Ø 0.165 in         |  | Difficult to reach   | Station:<br>HDE |



**C360 Tip Range for DS360 Micro Desoldering Iron**

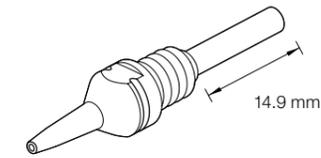
| Ref.           | Description   | Image and dimensions  | Suggested components        | Compatible with  |
|----------------|---|---|-----------------------------|--|
| <b>C360001</b> | Micro Desoldering Tip<br>Ø 0.6 mm<br>Ø 0.024 in     |    | Through-hole<br>Desoldering | Stations:<br>CS<br>Control Units:<br>DI, DDE, DME<br>Modules:<br>MSE, MS |
| <b>C360002</b> | Micro Desoldering Tip<br>Ø 0.8 mm<br>Ø 0.032 in     |    | Through-hole<br>Desoldering | Stations:<br>CS<br>Control Units:<br>DI, DDE, DME<br>Modules:<br>MSE, MS |
| <b>C360003</b> | Micro Desoldering Tip<br>Ø 1 mm<br>Ø 0.039 in       |   | Through-hole<br>Desoldering | Stations:<br>CS<br>Control Units:<br>DI, DDE, DME<br>Modules:<br>MSE, MS |
| <b>C360004</b> | Micro Desoldering Tip<br>Ø 1.2 mm<br>Ø 0.047 in     |  | Through-hole<br>Desoldering | Stations:<br>CS<br>Control Units:<br>DI, DDE, DME<br>Modules:<br>MSE, MS |
| <b>C360007</b> | Micro Desoldering Tip<br>Ø 1.4 mm<br>Ø 0.055 in     |  | Through-hole<br>Desoldering | Stations:<br>CS<br>Control Units:<br>DI, DDE, DME<br>Modules:<br>MSE, MS |
| <b>C360006</b> | Micro Desoldering Tip<br>Ø 1.5 mm<br>Ø 0.059 in     |  | Through-hole<br>Desoldering | Stations:<br>CS<br>Control Units:<br>DI, DDE, DME<br>Modules:<br>MSE, MS |
| <b>C360011</b> | Micro Desoldering Tip<br>Ø 0.6 mm Pad<br>Ø 0.024 in |  | Pad desoldering             | Stations:<br>CS<br>Control Units:<br>DI, DDE, DME<br>Modules:<br>MSE, MS |

**C360 Tip Range for DS360 Micro Desoldering Iron**

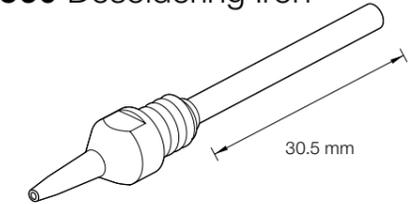
| Ref.           | Description   | Image and dimensions | Suggested components | Compatible with  |
|----------------|---|----------------------|----------------------|--|
| <b>C360012</b> | Micro Desoldering Tip<br>Ø 0.8 mm Pad<br>Ø 0.032 in |                      | Pad desoldering      | Stations:<br>CS<br>Control Units:<br>DI, DDE, DME<br>Modules:<br>MSE, MS |
| <b>C360013</b> | Micro Desoldering Tip<br>Ø 1 mm Pad<br>Ø 0.039 in   |                      | Pad desoldering      | Stations:<br>CS<br>Control Units:<br>DI, DDE, DME<br>Modules:<br>MSE, MS |
| <b>C360014</b> | Micro Desoldering Tip<br>Ø 1.2 mm Pad<br>Ø 0.047 in |                      | Pad desoldering      | Stations:<br>CS<br>Control Units:<br>DI, DDE, DME<br>Modules:<br>MSE, MS |



**D530 Tip Range for DT530 Angled Desoldering Iron**

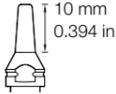
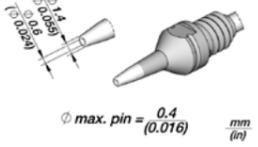
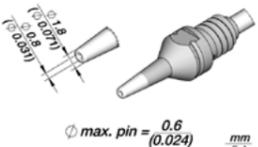
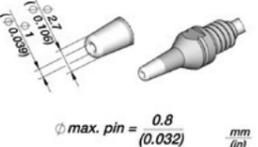
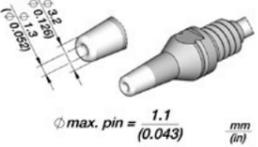
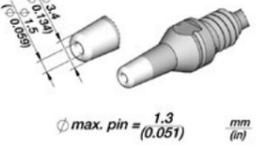
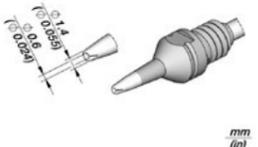
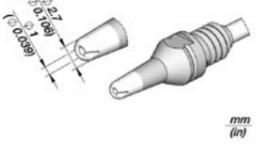


**C560 Tip Range for DR560 Desoldering Iron**



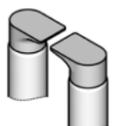
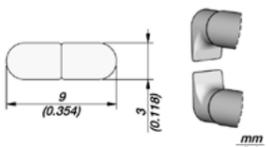
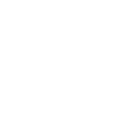
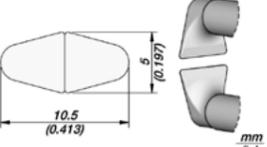
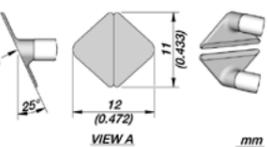
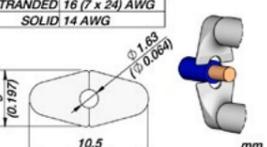
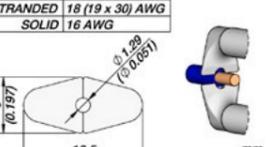
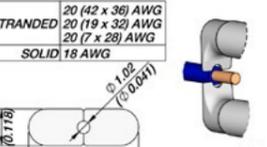
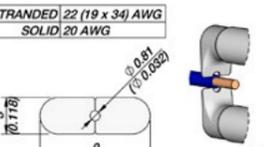
| Ref.                             | Description                               | Image and dimensions | Suggested components     | Compatible with                                       |
|----------------------------------|---|----------------------|--------------------------|---|
| <b>D530017</b><br><b>C560017</b> | Desoldering Tip<br>Ø 1.1 mm<br>Ø 0.043 in |                      | Through-hole Desoldering | Control Units:<br>DI, DDE, DME<br>Modules:<br>MSE, MS |
| <b>D530014</b><br><b>C560014</b> | Desoldering Tip<br>Ø 0.8 mm<br>Ø 0.032 in |                      | Through-hole Desoldering | Control Units:<br>DI, DDE, DME<br>Modules:<br>MSE, MS |
| <b>D530006</b><br><b>C560006</b> | Desoldering Tip<br>Ø 1.9 mm<br>Ø 0.075 in |                      | Through-hole Desoldering | Control Units:<br>DI, DDE, DME<br>Modules:<br>MSE, MS |
| <b>D530018</b><br><b>C560018</b> | Desoldering Tip<br>Ø 2.2 mm<br>Ø 0.087 in |                      | Through-hole Desoldering | Control Units:<br>DI, DDE, DME<br>Modules:<br>MSE, MS |
| <b>D530007</b><br><b>C560007</b> | Desoldering Tip<br>Ø 2.4 mm<br>Ø 0.095 in |                      | Through-hole Desoldering | Control Units:<br>DI, DDE, DME<br>Modules:<br>MSE, MS |
| <b>D530015</b><br><b>C560015</b> | Desoldering Tip<br>Ø 3 mm<br>Ø 0.118 in   |                      | Through-hole Desoldering | Control Units:<br>DI, DDE, DME<br>Modules:<br>MSE, MS |

D530 and C560 Tip Range for DT530 and DR560 Desoldering Irons

| Ref.   | Description  | Image and dimensions  | Suggested components  | Compatible with   |   |
|--|--|---|---|---|---|
| <br><b>D530001</b><br><b>C560001</b>   | Desoldering Tip<br>Ø 0.6 mm HT<br>Ø 0.024 in   |    | Through-hole<br>Desoldering   | Control Units:<br>DI, DDE, DME<br>Modules:<br>MSE, MS                               |   |
|  | <b>D530002</b><br><b>C560002</b>   | Desoldering Tip<br>Ø 0.8 mm HT<br>Ø 0.032 in  |    | Through-hole<br>Desoldering   | Control Units:<br>DI, DDE, DME<br>Modules:<br>MSE, MS |
|  | <b>D530003</b><br><b>C560003</b>   | Desoldering Tip<br>Ø 1 mm<br>Ø 0.039 in   |    | Through-hole<br>Desoldering   | Control Units:<br>DI, DDE, DME<br>Modules:<br>MSE, MS |
|  | <b>D530004</b><br><b>C560004</b>   | Desoldering Tip<br>Ø 1.3 x Ø 3.2 mm<br>Ø 0.052 x Ø 0.126 in                         |   | Through-hole<br>Desoldering   | Control Units:<br>DI, DDE, DME<br>Modules:<br>MSE, MS |
|  | <b>D530005</b><br><b>C560005</b>   | Desoldering Tip<br>Ø 1.5 mm<br>Ø 0.059 in   |  | Through-hole<br>Desoldering   | Control Units:<br>DI, DDE, DME<br>Modules:<br>MSE, MS |
| <br><b>D530009</b><br><b>C560009</b> | Desoldering Tip<br>Ø 1.3 x Ø 5 mm<br>Ø 0.052 x Ø 0.197 in  |  | Through-hole<br>Desoldering   | Control Units:<br>DI, DDE, DME<br>Modules:<br>MSE, MS                               |   |
|  | <br><b>D530011</b><br><b>C560011</b> | Desoldering Tip<br>Ø 0.6 mm<br>Ø 0.024 in   |  | Pad desoldering   | Control Units:<br>DI, DDE, DME<br>Modules:<br>MSE, MS |
|  |  | <b>D530012</b><br><b>C560012</b>  | Desoldering Tip<br>Ø 0.8 mm<br>Ø 0.032 in   |  | Pad desoldering                                       |
| <b>D530013</b><br><b>C560013</b>   |  | Desoldering Tip<br>Ø 1 mm<br>Ø 0.039 in   |  | Pad desoldering   | Control Units:<br>DI, DDE, DME<br>Modules:<br>MSE, MS |

W140 Blade Cartridge Range  
for WS140 High-Temperature Precision  
Wire Stripper Tweezers



| Ref.  | Description   | Image and dimensions   | Suggested components  | Compatible with   |                              |
|---|---|--|---|---|------------------------------|
| <br><b>W14003F</b> | Flat Blade Cartridges<br>3 mm<br>0.118 in   |                     | Wire insulation<br>stripping  | Station:<br>WSS   |                              |
|   | <br><b>W14005F</b>   | Flat Blade Cartridges<br>5 mm<br>0.197 in  |    | Wire insulation<br>stripping  | Station:<br>WSS              |
|   |   | <br><b>W14012F</b> | Flat Blade Cartridges<br>12 mm<br>0.472 in  |   | Wire insulation<br>stripping |
|   | <br><b>W14014G</b> |  | Single-Hole Cartridges<br>Solid Wire<br>14 AWG  |  | Wire insulation<br>stripping |
| <b>W14016G</b>  |   | Single-Hole Cartridges<br>Solid Wire<br>16 AWG   |  | Wire insulation<br>stripping  | Station:<br>WSS              |
|   |   | <b>W14018G</b>   | Single-Hole Cartridges<br>Solid Wire<br>18 AWG  |  | Wire insulation<br>stripping |
| <b>W14020G</b>  |   |  | Single-Hole Cartridges<br>Solid Wire<br>20 AWG  |  | Wire insulation<br>stripping |

**W140 Blade Cartridge Range for WS140 High-Temperature Precision Wire Stripper Tweezers**

| Ref.           | Description                                    | Image and dimensions  | Suggested components      | Compatible with |
|----------------|--|---|---------------------------|-----------------|
| <b>W14022G</b> | Single-Hole Cartridges<br>Solid Wire<br>22 AWG | <br>STRANDED 24 (19 x 36) AWG<br>24 (7 x 32) AWG<br>SOLID 22 AWG  | Wire insulation stripping | Station:<br>WSS |
| <b>W14024G</b> | Single-Hole Cartridges<br>Solid Wire<br>24 AWG | <br>STRANDED 26 (19 x 38) AWG<br>26 (19 x 38) AWG<br>SOLID 24 AWG | Wire insulation stripping | Station:<br>WSS |
| <b>W14026G</b> | Single-Hole Cartridges<br>Solid Wire<br>26 AWG | <br>STRANDED 28 (19 x 40) AWG<br>27 (7 x 35) AWG<br>SOLID 26 AWG  | Wire insulation stripping | Station:<br>WSS |
| <b>W14028G</b> | Single-Hole Cartridges<br>Solid Wire<br>28 AWG | <br>STRANDED 30 (19 x 42) AWG<br>30 (7 x 38) AWG<br>SOLID 28 AWG  | Wire insulation stripping | Station:<br>WSS |
| <b>W14030G</b> | Single-Hole Cartridges<br>Solid Wire<br>30 AWG | <br>STRANDED 32 (19 x 44) AWG<br>SOLID 30 AWG                     | Wire insulation stripping | Station:<br>WSS |
| <b>W14032G</b> | Single-Hole Cartridges<br>Solid Wire<br>32 AWG | <br>STRANDED 34 (7 x 42) AWG<br>SOLID 32 AWG                      | Wire insulation stripping | Station:<br>WSS |
| <b>W14034G</b> | Single-Hole Cartridges<br>Solid Wire<br>34 AWG | <br>STRANDED 36 (7 x 44) AWG<br>SOLID 34 AWG                      | Wire insulation stripping | Station:<br>WSS |
| <b>W14036G</b> | Single-Hole Cartridges<br>Solid Wire<br>36 AWG | <br>SOLID 36 AWG  | Wire insulation stripping | Station:<br>WSS |

**W440 Blade Cartridge Range for WS440 High-Temperature Wire Stripper Tweezers**



| Ref.           | Description  | Image and dimensions                     | Suggested components      | Compatible with |
|----------------|--|--|---------------------------|-----------------|
| <b>W440025</b> | Flat Cartridges<br>12.5 mm                         | <br>FLAT BLADE                           | Wire insulation stripping | Station:<br>WSB |
| <b>W440021</b> | Multi-Hole Cartridges<br>Solid Wire<br>34 - 22 AWG | <br>AWG mm<br>A<br>B<br>C<br>D<br>E<br>F | Wire insulation stripping | Station:<br>WSB |
| <b>W440023</b> | Multi-Hole Cartridges<br>Solid Wire<br>26 -16 AWG  | <br>AWG mm<br>A<br>B<br>C<br>D<br>E<br>F | Wire insulation stripping | Station:<br>WSB |

| STRANDED |                                      | SOLID  | mm (in)       |
|----------|--------------------------------------|--------|---------------|
| A        | 36 (7 x 44) AWG                      | 34 AWG | 0.16 (0.0063) |
| B        | 32 (19 x 44) AWG                     | 30 AWG | 0.25 (0.0098) |
| C        | 30 (7 x 38) AWG<br>30 (19 x 42) AWG  | 28 AWG | 0.32 (0.0126) |
| D        | 28 (19 x 40) AWG<br>27 (7 x 35) AWG  | 26 AWG | 0.40 (0.0157) |
| E        | 26 (19 x 38) AWG<br>26 (10 x 36) AWG | 24 AWG | 0.51 (0.0201) |
| F        | 24 (19 x 36) AWG<br>24 (7 x 32) AWG  | 22 AWG | 0.64 (0.0252) |

| STRANDED |                                      | SOLID  | mm (in)       |
|----------|--------------------------------------|--------|---------------|
| A        | 28 (19 x 40) AWG<br>27 (7 x 35) AWG  | 26 AWG | 0.40 (0.0157) |
| B        | 26 (19 x 38) AWG<br>26 (10 x 36) AWG | 24 AWG | 0.51 (0.0201) |
| C        | 24 (19 x 36) AWG<br>24 (7 x 32) AWG  | 22 AWG | 0.64 (0.0252) |
| D        | 22 (19 x 34) AWG                     | 20 AWG | 0.81 (0.0319) |
| E        | 20 (42 x 36) AWG<br>20 (19 x 32) AWG | 18 AWG | 1.02 (0.0402) |
| F        | 20 (7 x 28) AWG                      | 16 AWG | 1.29 (0.0508) |



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