

# JBC

The Soldering Co.



## Cartridge Guide

Feel the quality, be exclusive

## Index

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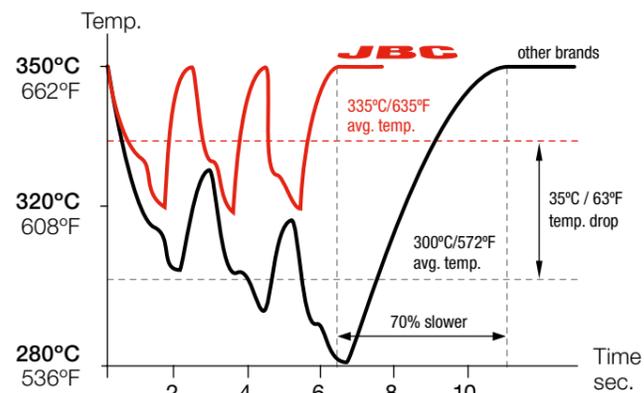
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# JBC Technology

## 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).

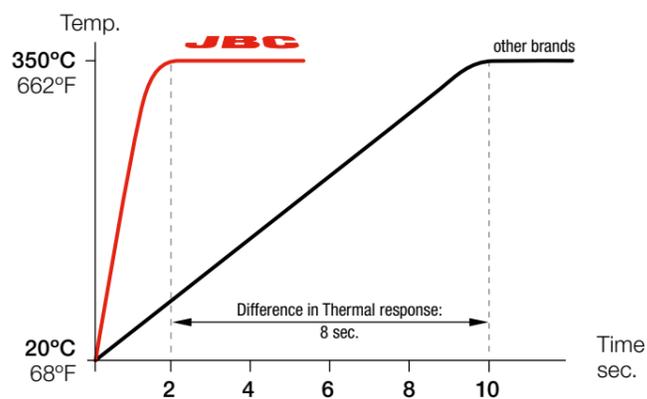
Enhanced Temperature Efficiency → Increased Productivity + Better Quality

## 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.

## 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.**

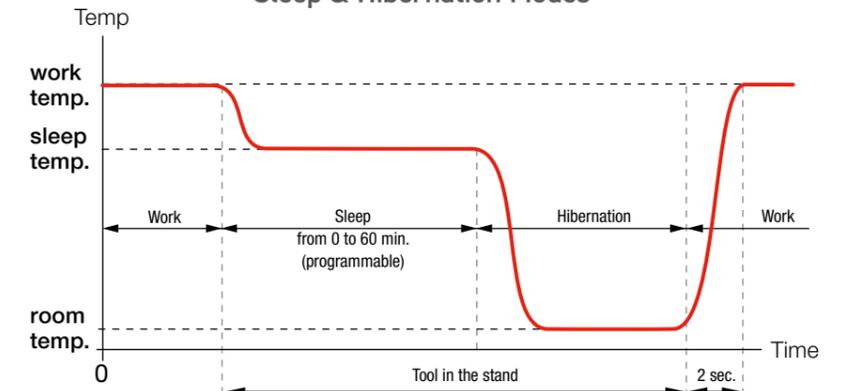
### Hibernation Mode

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.**

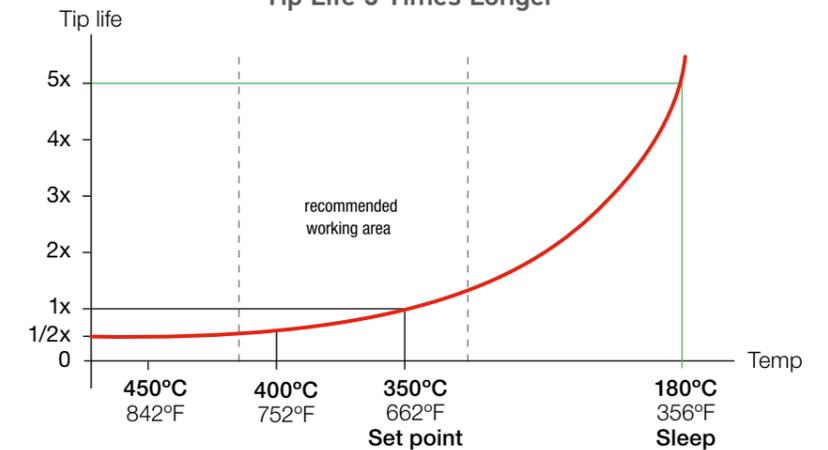
### Longer Tip life

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**

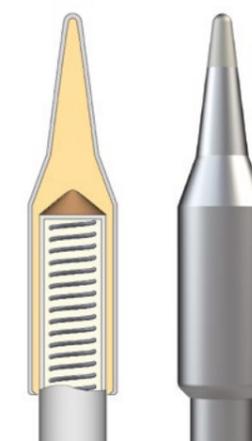


**Tip Life 5 Times Longer**



## 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.

### 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.

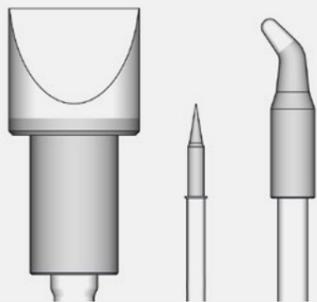


When you start working do not forget:

## Bigger is better

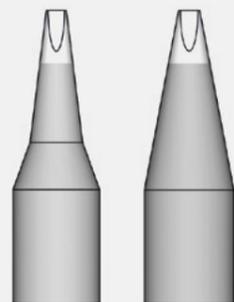
The bigger the solder tip, the better the thermal transfer. Select the tip that has the greatest contact area.

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



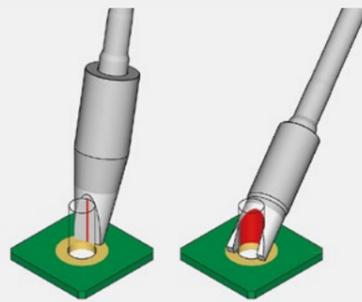
JBC Cartridges range from models for precision work to high power requirement applications.

### Geometry Slimness vs Efficiency



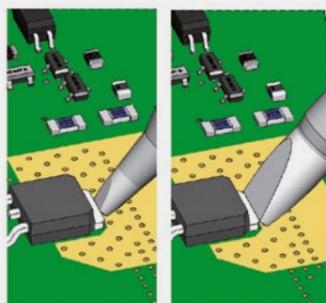
A wider tip transfers heat faster to the joint, improving your soldering speed and quality, while a thinner tip is better for hard-to-reach areas.

### 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

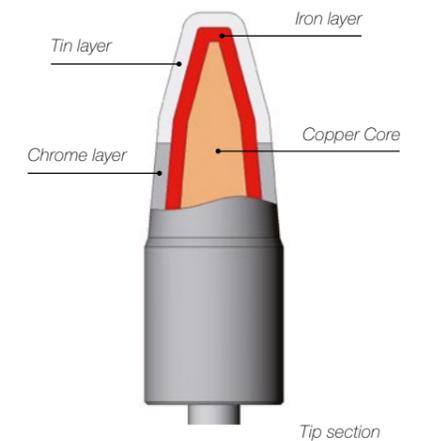
Iron plate wear shortens tip life by hollowing tips out. Do not use mechanical or chemical means to clean the tip. Use the **cleaning methods provided by the manufacturer** - such as brass wool, automatic tip cleaner or sponges.

### 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

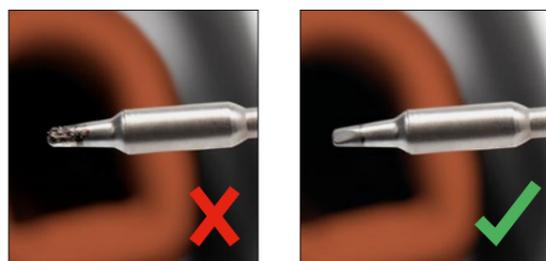
For good thermal transfer, keep the tip tinned thus free from oxides.

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**

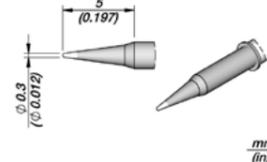
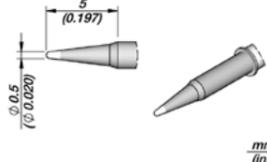
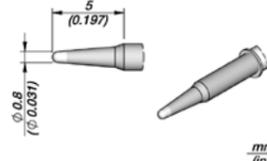
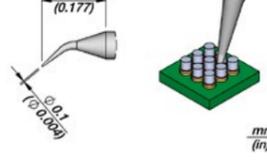
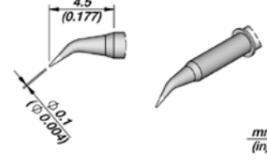
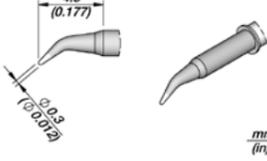
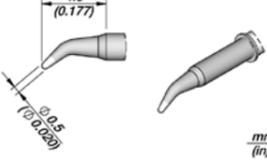
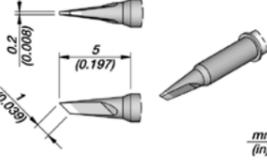


	Ref.	Description	Image and dimensions	Suggested components	Compatible with
	<b>C115116</b>	Chisel Cartridge 0.2 x 0.1 mm 0.008 x 0.004 in		Package 01005, 0201 Very fine pitch 0.4 mm QFP, IC	Stations: NASE, NANE, CDN, B.IRON NANO, B.IRON TWEEZERS, B.IRON DUAL NANO, B.IRON REWORK
	<b>C115117</b>	Chisel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

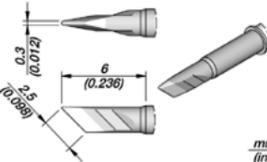
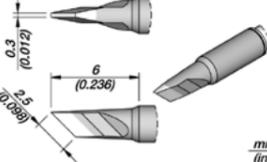
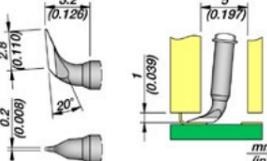
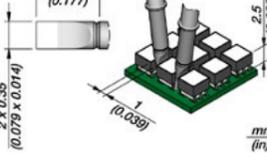
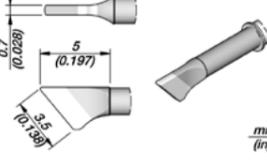
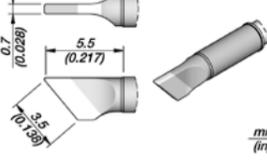
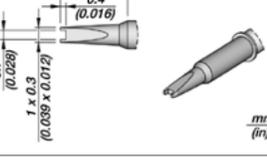
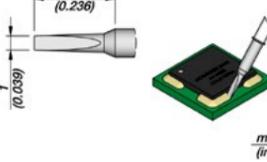
**C115 Cartridge Range for NT115, AN115, NP115, B.NANO and B.TWEEZERS Nano Tools**

	Ref.	Description	Image and dimensions	Suggested components	Compatible with
	<b>C115114</b>	Chisel Cartridge 1.8 x 0.5 mm 0.071 x 0.020 in		Package 0805 Through-hole	Stations: NASE, NANE, CDN, B.IRON NANO, B.IRON TWEEZERS, B.IRON DUAL NANO, B.IRON REWORK
	<b>C115214</b>	Chisel Cartridge 1.8 x 0.5 mm S1 0.071 x 0.020 in		Package 1206, 1210 Through-hole High-thermal performance	Stations: NASE, NANE, CDN, B.IRON NANO, B.IRON TWEEZERS, B.IRON DUAL NANO, B.IRON REWORK
	<b>C115223</b>	Chisel Cartridge 2.4 x 0.6 mm 0.094 x 0.024 in		Package 0805 Through-hole High-thermal performance	Stations: NASE, NANE, CDN, B.IRON NANO, B.IRON TWEEZERS, B.IRON DUAL NANO, B.IRON REWORK
	<b>C115109</b>	Bevel Cartridge Ø 0.6 mm Ø 0.024 in		Drag soldering SMD Through-hole	Stations: NASE, NANE, CDN, B.IRON NANO, B.IRON TWEEZERS, B.IRON DUAL NANO, B.IRON REWORK
	<b>C115127</b>	Bevel Cartridge Ø 1 mm Ø 0.039 in		Drag soldering SMD Through-hole	Stations: NASE, NANE, CDN, B.IRON NANO, B.IRON TWEEZERS, B.IRON DUAL NANO, B.IRON REWORK
	<b>C115128</b>	Spoon Cartridge Ø 1 mm Ø 0.039 in		Drag soldering SMD Through-hole	Stations: NASE, NANE, CDN, B.IRON NANO, B.IRON TWEEZERS, B.IRON DUAL NANO, B.IRON REWORK
	<b>C115126</b>	Conical Cartridge Ø 0.1 mm S1 Ø 0.004 in		Package 01005 Very fine pitch 0.4 mm QFP, IC	Stations: NASE, NANE, CDN, B.IRON NANO, B.IRON TWEEZERS, B.IRON DUAL NANO, B.IRON REWORK
	<b>C115101</b>	Conical Cartridge Ø 0.1 mm Ø 0.004 in		Package 01005 Very fine pitch 0.4 mm QFP, IC	Stations: NASE, NANE, CDN, B.IRON NANO, B.IRON TWEEZERS, B.IRON DUAL NANO, 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 Ø 0.3 mm S1 Ø 0.012 in		Package 0201, 0402 Very fine pitch 0.65 mm QFP, IC	Stations: NASE, NANE, CDN, B.IRON NANO, B.IRON TWEEZERS, B.IRON DUAL NANO, B.IRON REWORK
	<b>C115106</b>	Conical Cartridge Ø 0.5 mm Ø 0.020 in		Package 0603 QFP, IC	Stations: NASE, NANE, CDN, B.IRON NANO, B.IRON TWEEZERS, B.IRON DUAL NANO, B.IRON REWORK
	<b>C115107</b>	Conical Cartridge Ø 0.8 mm Ø 0.031 in		General use	Stations: NASE, NANE, CDN, B.IRON NANO, B.IRON TWEEZERS, B.IRON DUAL NANO, B.IRON REWORK
	<b>C115124</b>	Conical Bent Cartridge Ø 0.1 mm S1 Ø 0.004 in		Package 01005 Very fine pitch 0.4 mm QFP, IC	Stations: NASE, NANE, CDN, B.IRON NANO, B.IRON TWEEZERS, B.IRON DUAL NANO, B.IRON REWORK
	<b>C115118</b>	Conical Bent Cartridge Ø 0.1 mm Ø 0.004 in		Package 01005 Very fine pitch 0.4 mm QFP, IC	Stations: NASE, NANE, CDN, B.IRON NANO, B.IRON TWEEZERS, B.IRON DUAL NANO, B.IRON REWORK
	<b>C115105</b>	Conical Bent Cartridge Ø 0.3 mm Ø 0.012 in		Package 0201, 0402 Fine pitch 0.65 mm QFP, IC	Stations: NASE, NANE, CDN, B.IRON NANO, B.IRON TWEEZERS, B.IRON DUAL NANO, B.IRON REWORK
	<b>C115110</b>	Conical Bent Cartridge Ø 0.5 mm Ø 0.020 in		Package 0603 QFP, IC	Stations: NASE, NANE, CDN, B.IRON NANO, B.IRON TWEEZERS, B.IRON DUAL NANO, B.IRON REWORK
	<b>C115120</b>	Knife Cartridge 1 x 0.2 mm 0.039 x 0.008 in		Drag soldering SMD Package 0805 Through-hole	Stations: NASE, NANE, CDN, B.IRON NANO, B.IRON TWEEZERS, B.IRON DUAL NANO, 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 2.5 x 0.3 mm 0.098 x 0.012 in		Drag soldering SMD SO, SOT Package 1210, 1812, 2010, 2512	Stations: NASE, NANE, CDN, B.IRON NANO, B.IRON TWEEZERS, B.IRON DUAL NANO, B.IRON REWORK
	<b>C115212</b>	Knife Cartridge 2.5 x 0.3 mm S1 0.098 x 0.012 in		Drag soldering SMD SO, SOT Package 1210, 1812, 2010, 2512 High-thermal performance	Stations: NASE, NANE, CDN, B.IRON NANO, B.IRON TWEEZERS, B.IRON DUAL NANO, B.IRON REWORK
	<b>C115129</b>	Knife Cartridge 2.8 x 0.2 mm 0.110 x 0.008 in		IC, Difficult to reach	Stations: NASE, NANE, CDN, B.IRON NANO, B.IRON TWEEZERS, B.IRON DUAL NANO, B.IRON REWORK
	<b>C115131</b>	Blade Cartridge 2 x 0.35 mm 0.079 x 0.014 in		LED SMD 2727, 1921, 1415	Stations: NASE, NANE, CDN, B.IRON NANO, B.IRON TWEEZERS, B.IRON DUAL NANO, B.IRON REWORK
	<b>C115111</b>	Blade Cartridge 3.5 x 0.7 mm 0.138 x 0.028 in		Package 1210, 1812 SO, SOT	Stations: NASE, NANE, CDN, B.IRON NANO, B.IRON TWEEZERS, B.IRON DUAL NANO, B.IRON REWORK
	<b>C115211</b>	Blade Cartridge 3.5 x 0.7 mm S1 0.138 x 0.028 in		Package 1210, 1812 SO, SOT High-thermal performance	Stations: NASE, NANE, CDN, B.IRON NANO, B.IRON TWEEZERS, B.IRON DUAL NANO, B.IRON REWORK
	<b>C115132</b>	Chip Components Cartridge 0.7 mm 0.028 in		Package 0201	Stations: NASE, NANE, CDN, B.IRON NANO, B.IRON TWEEZERS, B.IRON DUAL NANO, B.IRON REWORK
	<b>C115115</b>	Conformal Coating Removal Steel Cartridge 1 mm 0.039 in		Stainless Steel Remove underfill encapsulants	Stations: NASE, NANE, CDN, B.IRON NANO, B.IRON TWEEZERS, B.IRON DUAL NANO, 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 Ø 0.2 mm Ø 0.008 in		Package 0201, 0402	Stations: CP Control Units: DI, DDE, DME	
	<b>C120002</b>	Conical Bent Cartridge Ø 0.2 mm Ø 0.008 in		Package 0201, 0402	Stations: CP Control Units: DI, DDE, DME	
	<b>C120902</b>	Conical Bent Cartridge Ø 0.3 mm Ø 0.012 in		Package 0201, 0402 Fine pitch 0.65 mm QFP, IC	Stations: CP Control Units: DI, DDE, DME	
	<b>C120006</b>	Conical Bent Cartridge Ø 0.5 mm Ø 0.020 in		Package 0603 QFP, IC	Stations: CP Control Units: DI, DDE, DME	
	<b>C120004</b>	Conical Bent Cartridge Ø 0.7 mm S1 Ø 0.028 in		SMD capacitors QFP, IC Through-hole	Stations: CP Control Units: DI, DDE, DME	
	<b>C120012</b>	Conical Bent Cartridge Ø 0.7 mm S2 Ø 0.028 in		SMD capacitors QFP, IC Through-hole Tip with an extra tinned surface	Stations: CP Control Units: DI, DDE, DME	
		<b>C120014</b>	Chisel Bent Cartridge 0.2 x 1.5 mm 0.008 x 0.059 in		Package 0603	Stations: CP Control Units: DI, DDE, DME
		<b>C120015</b>	Chisel Bent Cartridge 0.2 x 1.5 mm 0.008 x 0.059 in		Package 0603	Stations: CP Control Units: 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 0.6 x 0.3 mm 0.024 x 0.012 in		Package 0603	Stations: CP Control Units: DI, DDE, DME
	<b>C120013</b>	Blade Cartridge 2 mm 0.079 in		LED SMD 2727, 1921, 1415	Stations: CP Control Units: DI, DDE, DME
	<b>C120003</b>	Blade Cartridge 3 mm 0.118 in		Package 1210, 1812 SO, SOT	Stations: CP Control Units: DI, DDE, DME
	<b>C120007</b>	Blade Cartridge 3.5 mm Right 0.138 in		Package 1210, 1812 SO, SOT	Stations: CP Control Units: DI, DDE, DME
	<b>C120008</b>	Blade Cartridge 3.5 mm Left 0.138 in		Package 1210, 1812 SO, SOT	Stations: CP Control Units: DI, DDE, DME
	<b>C120005</b>	Blade Cartridge 5 mm 0.197 in		SO, SOT	Stations: CP Control Units: DI, DDE, DME
	<b>C120009</b>	Blade Cartridge 6 mm Right 0.236 in		SO, SOT	Stations: CP Control Units: DI, DDE, DME
	<b>C120010</b>	Blade Cartridge 6 mm Left 0.236 in		SO, SOT	Stations: CP Control Units: DI, DDE, DME



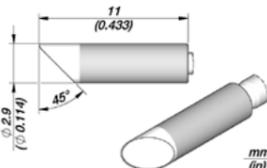
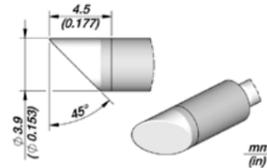
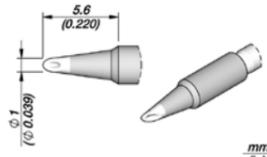
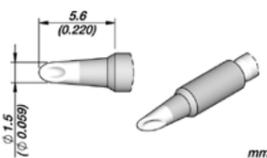
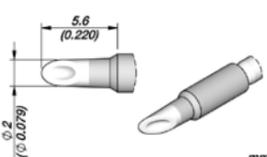
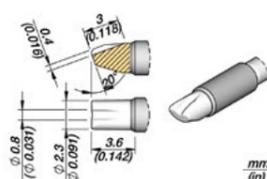
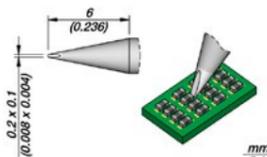
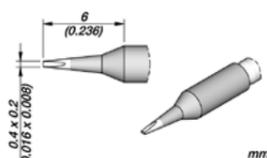
**C210 Cartridge Range**  
for T210, B.100 and B.500 Tools

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

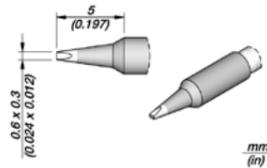
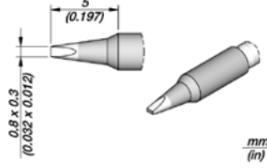
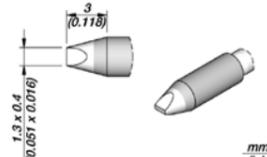
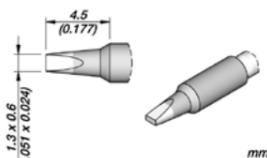
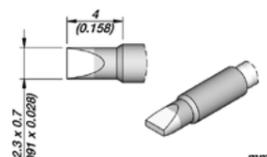
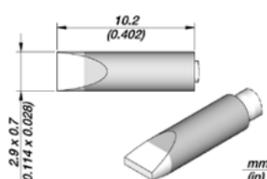
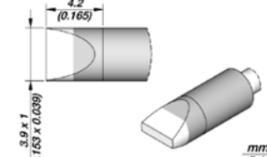
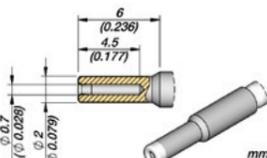
**C210 Cartridge Range for T210, B.100 and B.500 Tools**

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

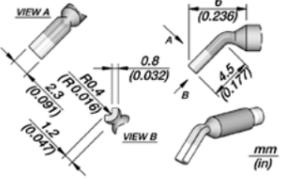
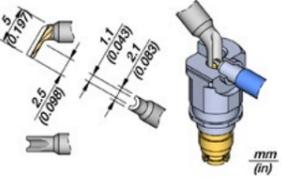
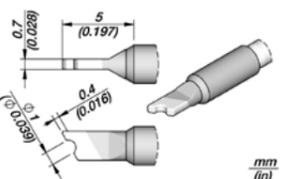
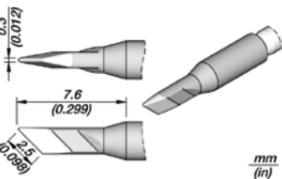
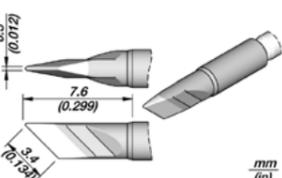
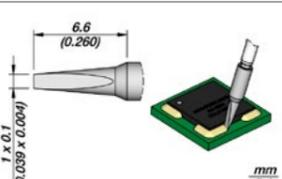
**C210 Cartridge Range for T210, B.100 and B.500 Tools**

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

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

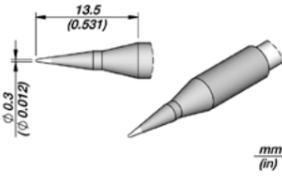
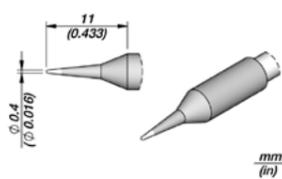
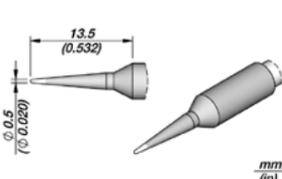
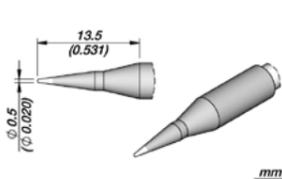
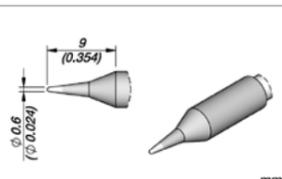
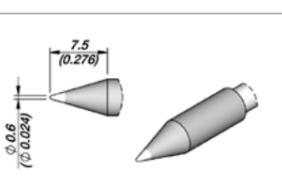
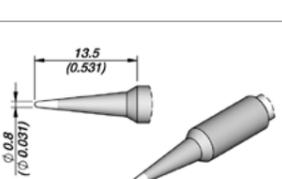
Ref.	Description	Image and dimensions	Suggested components	Compatible with
<b>C210021</b>	Chisel Cartridge 0.6 x 0.3 mm 0.024 x 0.012 in		Package 0603	Stations: CDS, B.IRON 100, B.IRON 500, B.IRON DUAL 500 Control Units: DI, DDE, DME
<b>C210024</b>	Chisel Cartridge 0.8 x 0.3 mm 0.032 x 0.012 in		Package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

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

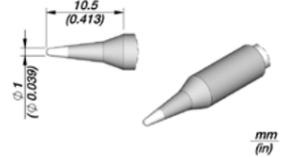
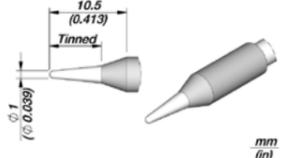
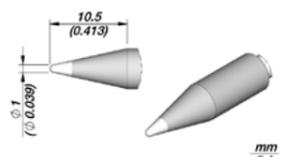
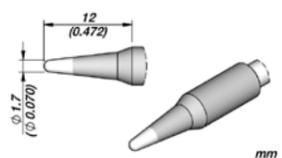
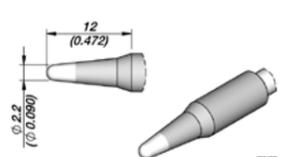
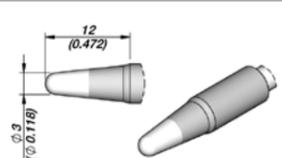
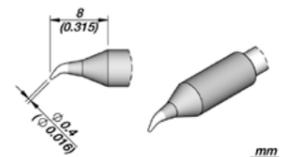
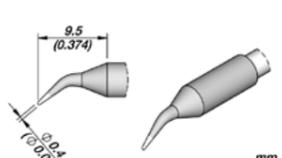
Ref.	Description	Image and dimensions	Suggested components	Compatible with
<b>C210015</b>	Pin / Connector Cartridge Ø 0.8 mm Ø 0.032 in		Through-hole Coaxial connector	Stations: CDS, B.IRON 100, B.IRON 500, B.IRON DUAL 500 Control Units: DI, DDE, DME
<b>C210025</b>	Pin / Connector Cartridge Ø 1.1 mm Ø 0.043 in		Through-hole Coaxial connector	Stations: CDS, B.IRON 100, B.IRON 500, B.IRON DUAL 500 Control Units: DI, DDE, DME
<b>C210012</b>	Pin / Connector Cartridge Ø 1 mm Ø 0.039 in		Cables Connectors	Stations: CDS, B.IRON 100, B.IRON 500, B.IRON DUAL 500 Control Units: DI, DDE, DME
<b>C210033</b>	Knife Cartridge 2.5 x 0.3 mm 0.098 x 0.012 in		Drag soldering SMD SO, SOT Package 1210, 1812, 2010, 2512	Stations: CDS, B.IRON 100, B.IRON 500, B.IRON DUAL 500 Control Units: DI, DDE, DME
<b>C210018</b>	Knife Cartridge 3.4 x 0.3 mm 0.134 x 0.012 in		Drag soldering SMD SO, SOT Package 1210, 1812, 2010, 2512	Stations: CDS, B.IRON 100, B.IRON 500, B.IRON DUAL 500 Control Units: DI, DDE, DME
<b>C210034</b>	Conformal Coating Removal Steel Cartridge 1 x 0.1 mm 0.039 x 0.004 in		Stainless Steel Remove underfill encapsulants	Stations: CDS, B.IRON 100, B.IRON 500, B.IRON DUAL 500 Control Units: DI, DDE, DME



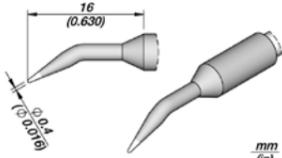
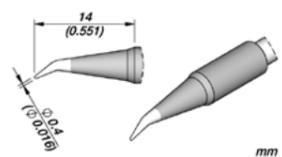
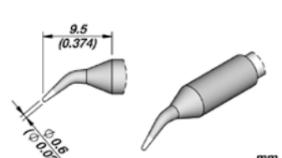
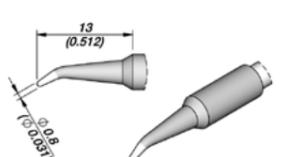
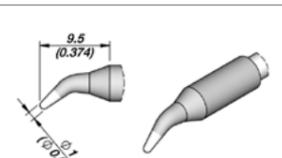
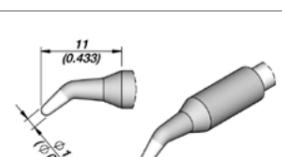
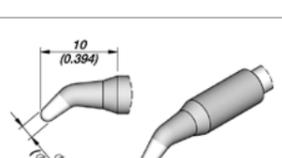
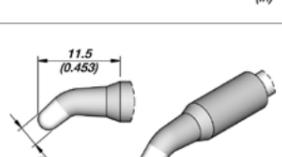
**C245 Cartridge Range for T245 General Purpose Handles**

Ref.	Description	Image and dimensions	Suggested components	Compatible with
<b>C245030</b>	Conical Cartridge Ø 0.3 mm Ø 0.012 in		Package 0201, 0402 Fine pitch 0.65 mm QFP, IC	Stations: CDB, CDEB Control Units: DI, DDE, DME
<b>C245032</b>	Conical Cartridge Ø 0.4 mm Ø 0.016 in		Package 0201, 0402 Fine pitch 0.65 mm QFP, IC	Stations: CDB, CDEB Control Units: DI, DDE, DME
<b>C245036</b>	Conical Cartridge Ø 0.5 mm S1 Ø 0.020 in		Package 0603 QFP, IC	Stations: CDB, CDEB Control Units: DI, DDE, DME
<b>C245930</b>	Conical Cartridge Ø 0.5 mm S2 Ø 0.020 in		Package 0603 QFP, IC	Stations: CDB, CDEB Control Units: DI, DDE, DME
<b>C245001</b>	Conical Cartridge Ø 0.6 mm Ø 0.024 in		Package 0603 QFP, IC	Stations: CDB, CDEB Control Units: DI, DDE, DME
<b>C245937</b>	Conical Cartridge Ø 0.6 mm HT Ø 0.024 in		Package 0603 QFP, IC	Stations: CDB, CDEB Control Units: DI, DDE, DME
<b>C245957</b>	Conical Cartridge Ø 0.8 mm Ø 0.031 in		Through-hole	Stations: CDB, CDEB Control Units: DI, DDE, DME

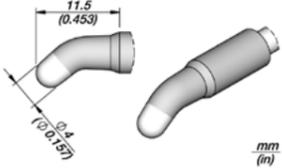
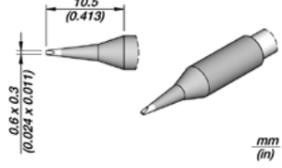
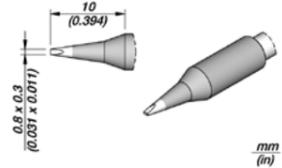
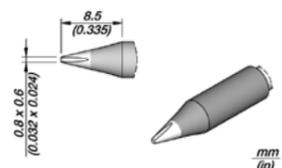
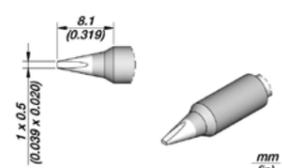
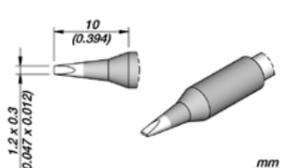
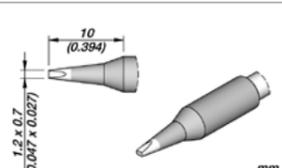
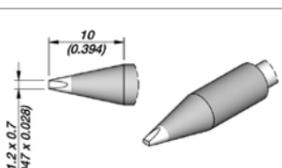
**C245 Cartridge Range for T245 General Purpose Handles**

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

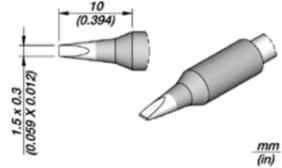
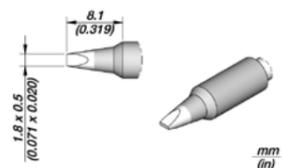
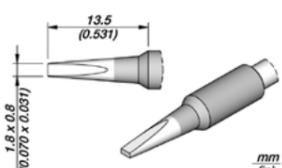
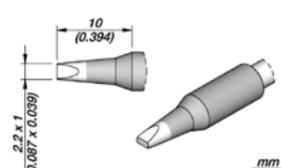
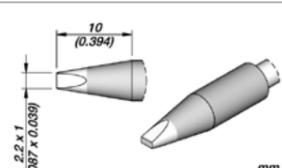
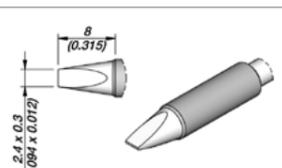
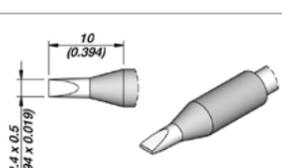
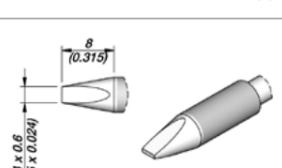
**C245 Cartridge Range for T245 General Purpose Handles**

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

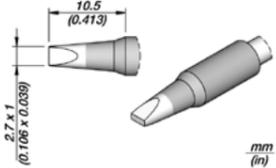
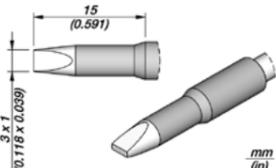
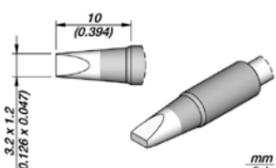
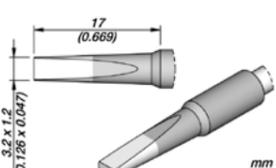
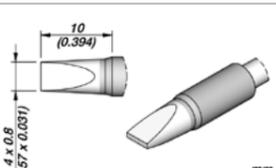
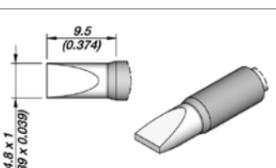
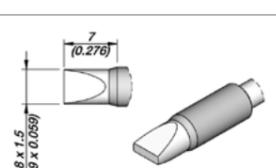
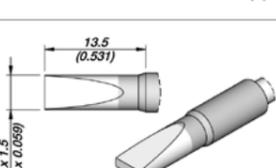
**C245 Cartridge Range for T245 General Purpose Handles**

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

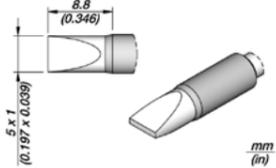
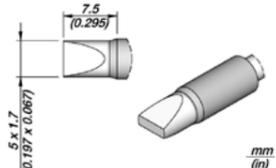
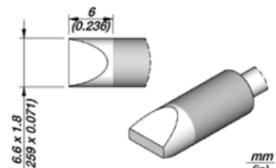
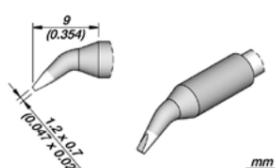
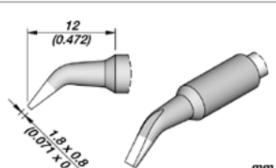
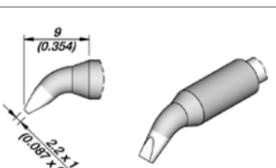
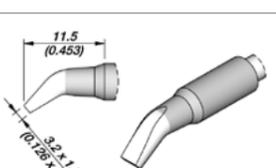
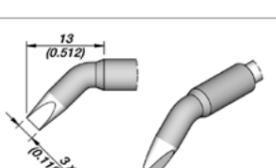
**C245 Cartridge Range for T245 General Purpose Handles**

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

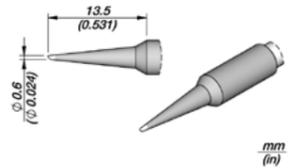
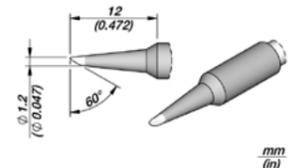
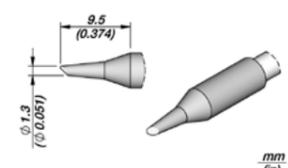
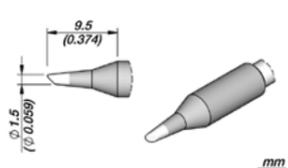
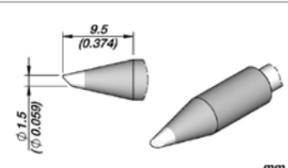
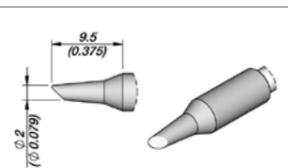
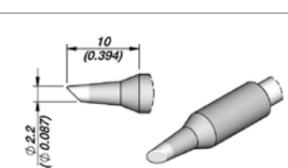
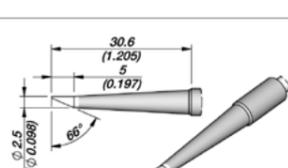
**C245 Cartridge Range for T245 General Purpose Handles**

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

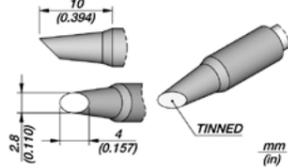
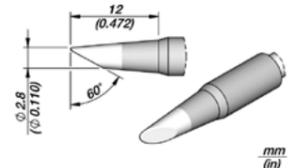
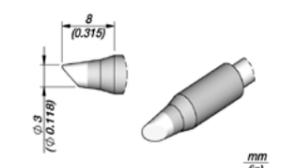
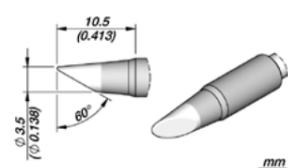
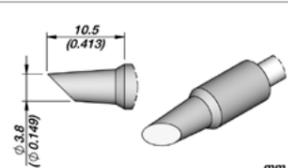
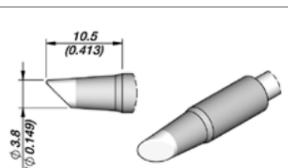
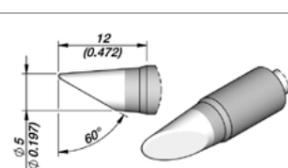
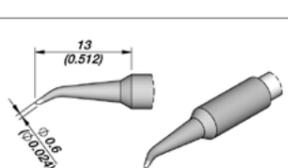
**C245 Cartridge Range for T245 General Purpose Handles**

	Ref.	Description	Image and dimensions	Suggested components	Compatible with
	<b>C245967</b>	Chisel Cartridge 5 x 1 mm HT 0.197 x 0.039 in		General use	Stations: CDB, CDEB Control Units: DI, DDE, DME
	<b>C245069</b>	Chisel Cartridge 5 x 1.7 mm HT 0.197 x 0.067 in		General use	Stations: CDB, CDEB Control Units: DI, DDE, DME
	<b>C245966</b>	Chisel Cartridge 6.6 x 1.8 mm HT 0.259 x 0.071 in		General use	Stations: CDB, CDEB Control Units: DI, DDE, DME
	<b>C245962</b>	Chisel Bent Cartridge 1.2 x 0.7 mm 0.047 x 0.027 in		General use	Stations: CDB, CDEB Control Units: DI, DDE, DME
	<b>C245963</b>	Chisel Bent Cartridge 1.8 x 0.8 mm 0.071 x 0.031 in		General use	Stations: CDB, CDEB Control Units: DI, DDE, DME
	<b>C245946</b>	Chisel Bent Cartridge 2.2 x 1 mm 0.087 x 0.039 in		General use	Stations: CDB, CDEB Control Units: DI, DDE, DME
	<b>C245732</b>	Chisel Bent Cartridge 3.2 x 1.5 mm 0.126 x 0.059 in		General use	Stations: CDB, CDEB Control Units: DI, DDE, DME
	<b>C245761</b>	Chisel Bent Cartridge 3 x 1 mm 0.118 x 0.039 in		General use	Stations: CDB, CDEB Control Units: 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 Ø 0.6 mm Ø 0.024 in		Package 0603 Through-hole	Stations: CDB, CDEB Control Units: DI, DDE, DME
	<b>C245710</b>	Bevel Cartridge Ø 1.2 mm Ø 0.047 in		Drag soldering Through-hole	Stations: CDB, CDEB Control Units: DI, DDE, DME
	<b>C245064</b>	Bevel Cartridge Ø 1.3 mm Ø 0.051 in		Drag soldering Through-hole Hoof tip with reduced tinned surface, ideal for touch-up	Stations: CDB, CDEB Control Units: DI, DDE, DME
	<b>C245905</b>	Bevel Cartridge Ø 1.5 mm Ø 0.059 in		Drag soldering Through-hole	Stations: CDB, CDEB Control Units: DI, DDE, DME
	<b>C245405</b>	Bevel Cartridge Ø 1.5 mm HT Ø 0.059 in		Drag soldering Through-hole	Stations: CDB, CDEB Control Units: DI, DDE, DME
	<b>C245102</b>	Bevel Cartridge Ø 2 mm Ø 0.079 in		Drag soldering Through-hole Hoof tip with reduced tinned surface, ideal for touch-up	Stations: CDB, CDEB Control Units: DI, DDE, DME
	<b>C245945</b>	Bevel Cartridge Ø 2.2 mm Ø 0.087 in		Drag soldering Through-hole	Stations: CDB, CDEB Control Units: DI, DDE, DME
	<b>C245795</b>	Bevel Cartridge Ø 2.5 mm L Ø 0.098 in		Drag soldering Through-hole	Stations: CDB, CDEB Control Units: 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 Ø 2.8 mm Ø 0.110 in		Drag soldering Through-hole	Stations: CDB, CDEB Control Units: DI, DDE, DME
	<b>C245793</b>	Bevel Cartridge Ø 2.8 mm - 60° Ø 0.110 in - 60°		Drag soldering Through-hole	Stations: CDB, CDEB Control Units: DI, DDE, DME
	<b>C245912</b>	Bevel Cartridge Ø 3 mm Ø 0.118 in		Drag soldering Through-hole	Stations: CDB, CDEB Control Units: DI, DDE, DME
	<b>C245056</b>	Bevel Cartridge Ø 3.5 mm HT Ø 0.138 in		Drag soldering Through-hole	Stations: CDB, CDEB Control Units: DI, DDE, DME
	<b>C245797</b>	Bevel Cartridge Ø 3.8 mm Ø 0.149 in		Hoof Tip with reduced tinned surface, ideal for touch-up	Stations: CDB, CDEB Control Units: DI, DDE, DME
	<b>C245951</b>	Bevel Cartridge Ø 3.8 mm HT Ø 0.149 in		Drag soldering Through-hole	Stations: CDB, CDEB Control Units: DI, DDE, DME
	<b>C245766</b>	Bevel Cartridge Ø 5 mm Ø 0.197 in		Wide area	Stations: CDB, CDEB Control Units: DI, DDE, DME
	<b>C245748</b>	Bevel Bent Cartridge Ø 0.6 mm S1 Ø 0.024 in		Package 0603 Through-hole	Stations: CDB, CDEB Control Units: DI, DDE, DME

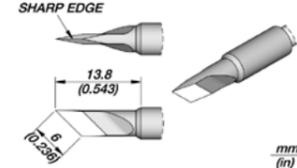
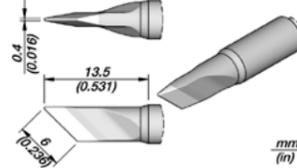
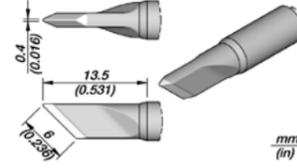
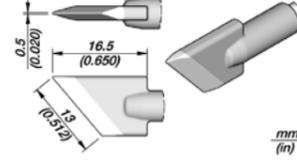
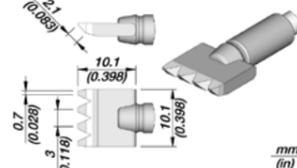
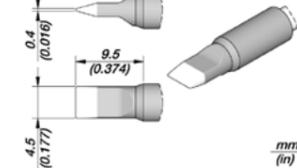
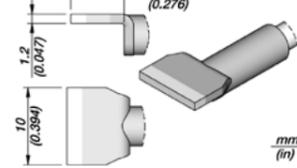
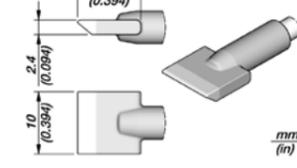
**C245 Cartridge Range for T245 General Purpose Handles**

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

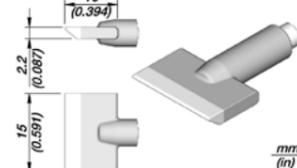
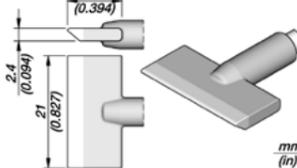
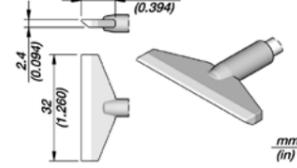
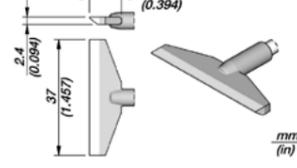
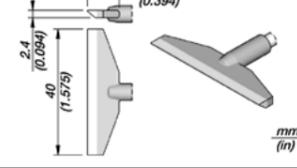
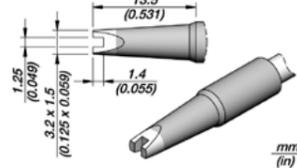
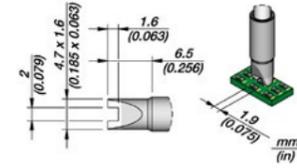
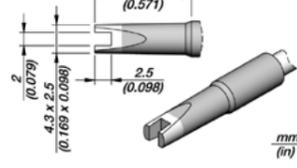
**C245 Cartridge Range for T245 General Purpose Handles**

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

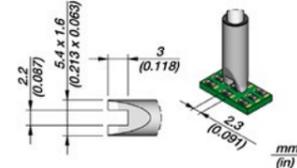
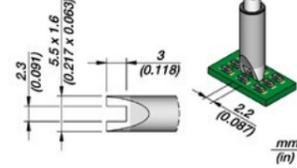
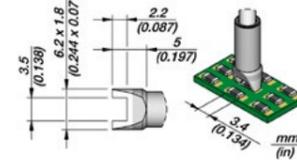
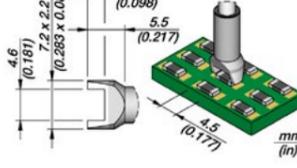
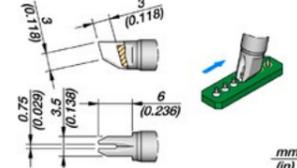
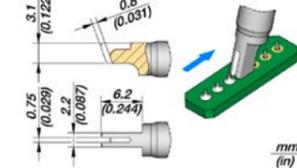
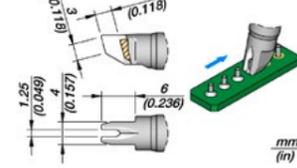
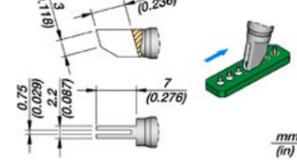
**C245 Cartridge Range for T245 General Purpose Handles**

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

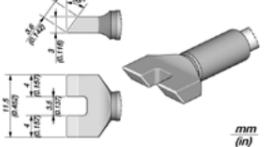
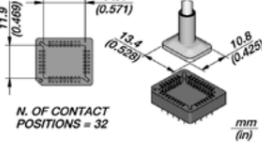
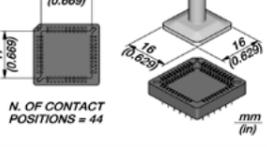
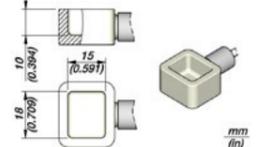
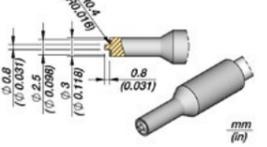
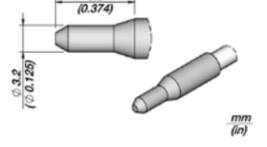
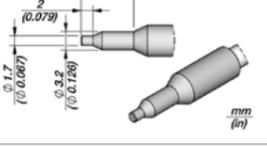
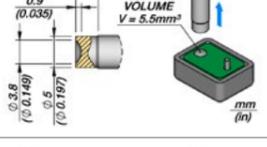
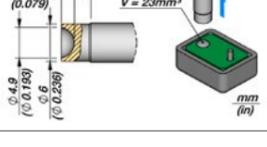
**C245 Cartridge Range for T245 General Purpose Handles**

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

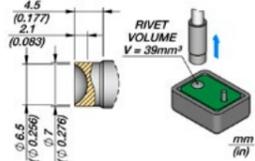
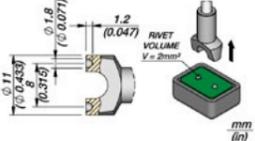
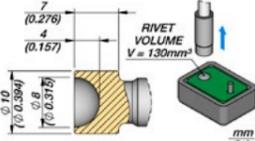
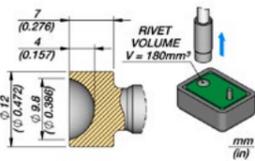
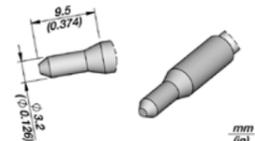
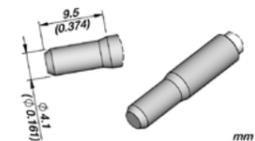
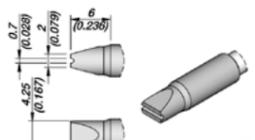
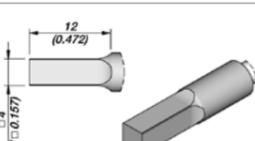
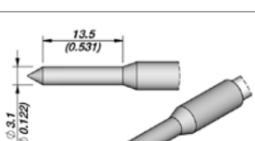
**C245 Cartridge Range for T245 General Purpose Handles**

	Ref.	Description	Image and dimensions	Suggested components	Compatible with
	<b>C245017</b>	Chip Cartridge 2.3 mm S1 0.091 in		SMD resistors SMD capacitors	Stations: CDB, CDEB Control Units: DI, DDE, DME
	<b>C245150</b>	Chip Cartridge 2.2 mm S2 0.087 in		SMD resistors SMD capacitors	Stations: CDB, CDEB Control Units: DI, DDE, DME
	<b>C245018</b>	Chip Cartridge 3.4 mm 0.134 in		SMD resistors SMD capacitors	Stations: CDB, CDEB Control Units: DI, DDE, DME
	<b>C245019</b>	Chip Cartridge 4.5 mm 0.177 in		SMD resistors SMD capacitors	Stations: CDB, CDEB Control Units: DI, DDE, DME
	<b>C245754</b>	Drag Cartridge 0.75 mm 0.029 in		Drag soldering	Stations: CDB, CDEB Control Units: DI, DDE, DME
	<b>C245701</b>	Drag Cartridge 0.75 mm 0.029 in		Drag soldering	Stations: CDB, CDEB Control Units: DI, DDE, DME
	<b>C245751</b>	Drag Cartridge 1.25 mm 0.049 in		Drag soldering	Stations: CDB, CDEB Control Units: DI, DDE, DME
	<b>C245796</b>	Drag Cartridge 2.2 x 0.75 mm 0.087 x 0.029 in		Drag soldering	Stations: CDB, CDEB Control Units: DI, DDE, DME

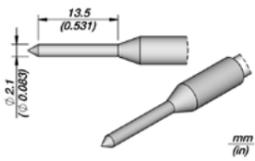
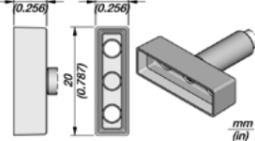
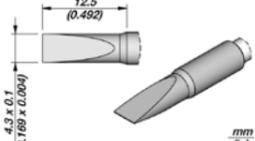
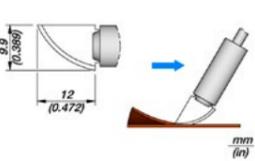
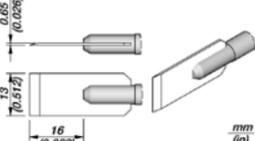
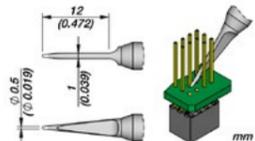
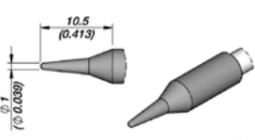
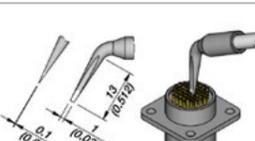
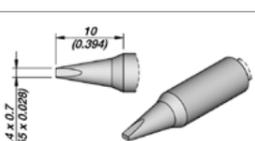
**C245 Cartridge Range for T245 General Purpose Handles**

	Ref.	Description	Image and dimensions	Suggested components	Compatible with
	<b>C245071</b>	Faston Terminal Cartridge 21 mm 0.827 in		Connectors	Stations: CDB, CDEB Control Units: DI, DDE, DME
	<b>C245248</b>	Socket Cartridge 11.9 x 14.4 mm 0.469 x 0.571 in		PLCC sockets	Stations: CDB, CDEB Control Units: DI, DDE, DME
	<b>C245247</b>	Socket Cartridge 17 x 17 mm 0.669 x 0.669 in		PLCC sockets	Stations: CDB, CDEB Control Units: DI, DDE, DME
	<b>C245SP01</b>	Solder Pot Cartridge 15 x 18 mm 0.591 x 0.709 in		Tinning wires, Desoldering and Through-hole Multipin components	Stations: CDB, CDEB Control Units: DI, DDE, DME
	<b>C245163</b>	Hollow Heat Staking Cartridge Ø 2.5 mm Ø 0.098 in		Chrome finish, design for plastic rivets	Stations: CDB, CDEB Control Units: DI, DDE, DME
	<b>C245688</b>	Heat Staking Bend Cartridge Ø 3.2 mm Ø 0.125 in		Plastics	Stations: CDB, CDEB Control Units: DI, DDE, DME
	<b>C245166</b>	Plastics Inox. Cartridge Ø 1.7 mm Ø 0.067 in		Plastics	Stations: CDB, CDEB Control Units: DI, DDE, DME
	<b>C245053</b>	Heat Staking Cartridge Ø 3.8 mm Ø 0.149 in		Chrome finish, design for plastic rivets	Stations: CDB, CDEB Control Units: DI, DDE, DME
	<b>C245052</b>	Heat Staking Cartridge Ø 4.9 mm Ø 0.193 in		Chrome finish, design for plastic rivets	Stations: CDB, CDEB Control Units: DI, DDE, DME

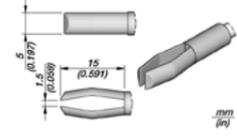
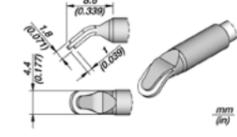
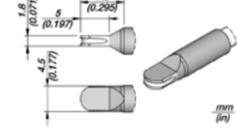
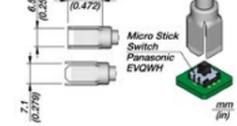
**C245 Cartridge Range for T245 General Purpose Handles**

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

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

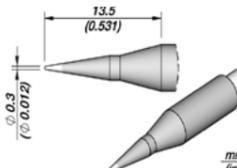
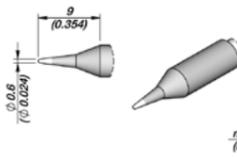
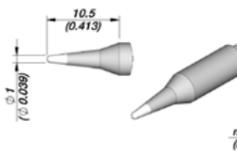
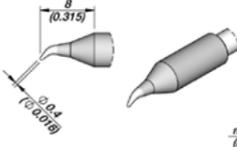
	Ref.	Description	Image and dimensions	Suggested components	Compatible with
	<b>C245167</b>	Thermal Hole-Punch Cartridge for Plastic Ø 2.1 mm Ø 0.083 in		Plastics	Stations: CDB, CDEB Control Units: DI, DDE, DME
	<b>C245311</b>	Cartridge for Plastics 20 x 6 mm 0.787 x 0.256 in		Plastics	Stations: CDB,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

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

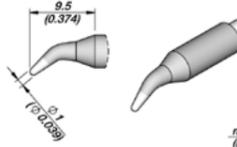
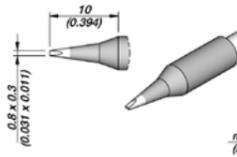
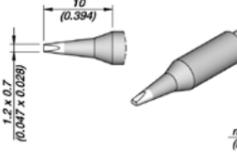
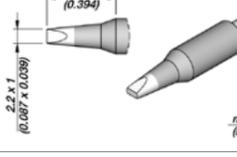
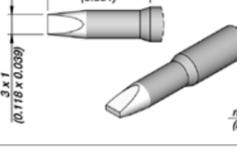
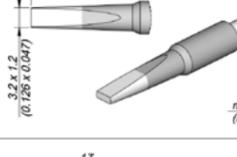
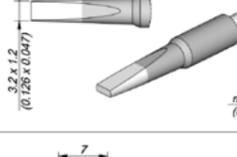
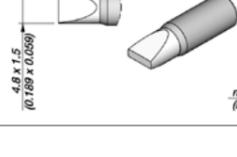
Ref.	Description	Image and dimensions	Suggested components	Compatible with
<b>C245268</b>	Pin/Wire Cartridge 1.5 mm 0.059 in		Through-hole	Stations: CDB, CDEB Control Units: DI, DDE, DME
<b>C245010</b>	J-Lead Cartridge 4.4 x 1.8 mm 0.177 x 0.071 in		Drag Soldering J-lead	Stations: CDB, CDEB Control Units: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

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

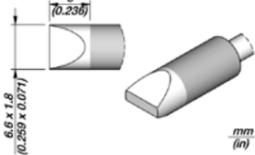
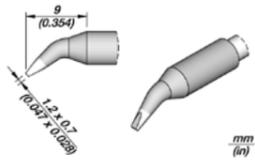
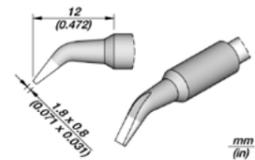
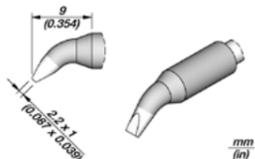
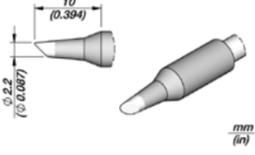
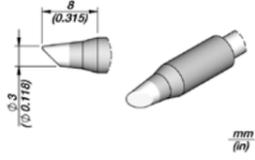
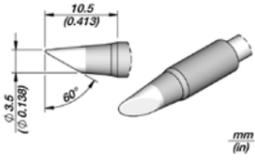
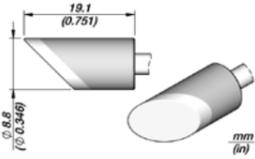
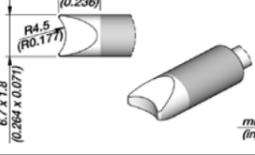
C245L Cartridges are 20mm longer for easier access to difficult-to-reach joints.

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

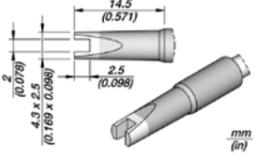
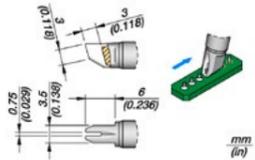
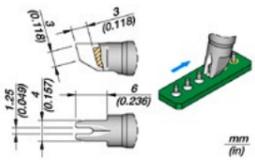
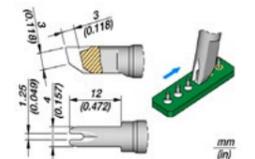
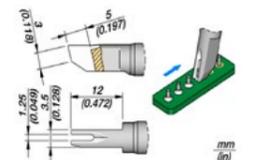
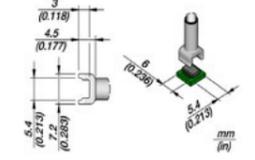
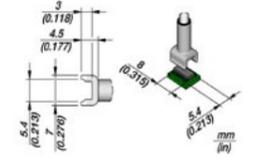
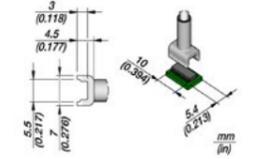
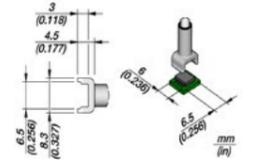
**C245L Longer Cartridge Range for T245 General Purpose Handles**

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

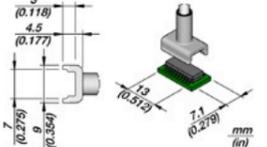
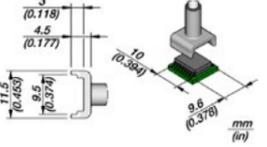
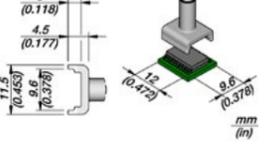
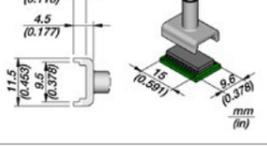
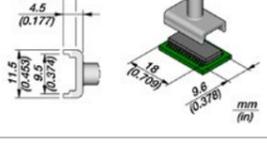
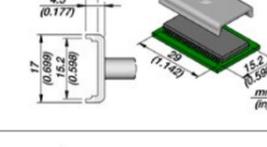
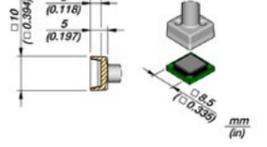
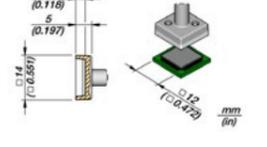
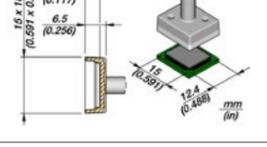
**C245L Longer Cartridge Range for T245 General Purpose Handles**

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

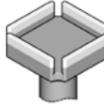
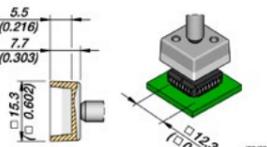
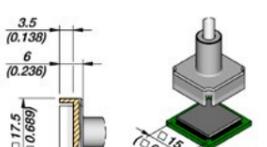
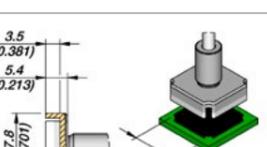
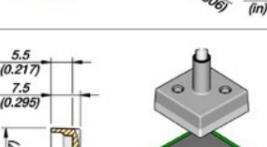
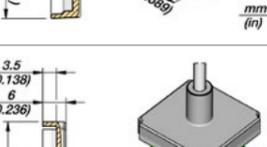
**C245L Longer Cartridge Range for T245 General Purpose Handles**

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

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

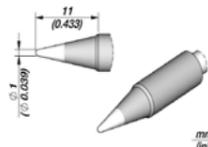
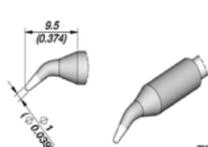
	Ref.	Description	Image and dimensions	Suggested components	Compatible with
	<b>C245222</b>	Tunnel Cartridge 7.1 x 13 mm 0.279 x 0.512 in		Dual in Line IC	Stations: CDB, CDEB Control Units: DI, DDE, DME
	<b>C245306</b>	Tunnel Cartridge 9.6 x 10 mm 0.378 x 0.394 in		Dual in Line IC	Stations: CDB, CDEB Control Units: DI, DDE, DME
	<b>C245305</b>	Tunnel Cartridge 9.6 x 12 mm 0.378 x 0.472 in		Dual in Line IC	Stations: CDB, CDEB Control Units: DI, DDE, DME
	<b>C245304</b>	Tunnel Cartridge 9.6 x 15 mm 0.378 x 0.591 in		Dual in Line, IC	Stations: CDB, CDEB Control Units: DI, DDE, DME
	<b>C245215</b>	Tunnel Cartridge 9.6 x 18 mm 0.378 x 0.709 in		Dual in Line IC	Stations: CDB, CDEB Control Units: DI, DDE, DME
	<b>C245226</b>	Tunnel Cartridge 15.2 x 29 mm 0.598 x 1.142 in		Dual in Line IC	Stations: CDB, CDEB Control Units: DI, DDE, DME
	<b>C245223</b>	QFP Cartridge 8.5 x 8.5 mm 0.335 x 0.335 in		QFP	Stations: CDB, CDEB Control Units: DI, DDE, DME
	<b>C245224</b>	QFP Cartridge 12 x 12 mm 0.472 x 0.472 in		QFP	Stations: CDB, CDEB Control Units: DI, DDE, DME
	<b>C245228</b>	QFP Cartridge 12.4 x 15 mm 0.488 x 0.591 in		QFP	Stations: CDB, CDEB Control Units: 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 12.3 x 12.3 mm 0.484 x 0.484 in		QFP	Stations: CDB, CDEB Control Units: DI, DDE, DME
	<b>C245315</b>	QFP Cartridge 15 x 15 mm 0.591 x 0.591 in		QFP	Stations: CDB, CDEB Control Units: DI, DDE, DME
	<b>C245352</b>	QFP Cartridge 15.4 x 15.4 mm 0.606 x 0.606 in		QFP	Stations: CDB, CDEB Control Units: DI, DDE, DME
	<b>C245227</b>	QFP Cartridge 17.5 x 17.5 mm 0.689 x 0.689 in		QFP	Stations: CDB, CDEB Control Units: DI, DDE, DME
	<b>C245344</b>	QFP Cartridge 26 x 26 mm 1.024 x 1.024 in		QFP	Stations: CDB, CDEB Control Units: 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 Ø 1 mm Ø 0.039 in		General use	Stations: CDB, CDEB Control Units: DI, DDE, DME
	<b>C245909E</b>	Conical Bent Cartridge Ø 1 mm Ø 0.039 in		General use	Stations: CDB, CDEB Control Units: 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 Ø 4 mm Ø 0.157 in		General use	Stations: CDB, CDEB Control Units: DI, DDE, DME
<b>C245159E</b>	Chisel Cartridge 0.8 x 0.4 mm 0.031 x 0.016 in		General use	Stations: CDB, CDEB Control Units: DI, DDE, DME
<b>C245158E</b>	Chisel Cartridge 1.2 x 0.4 mm 0.047 x 0.016 in		General use	Stations: CDB, CDEB Control Units: DI, DDE, DME
<b>C245160E</b>	Chisel Cartridge 1.6 x 0.5 mm 0.063 x 0.020 in		General use	Stations: CDB, CDEB Control Units: DI, DDE, DME
<b>C245155E</b>	Chisel Cartridge 2.4 x 0.8 mm 0.094 x 0.031 in		General use	Stations: CDB, CDEB Control Units: DI, DDE, DME
<b>C245735E</b>	Chisel Cartridge 2.7 x 1 mm 0.106 x 0.039 in		General use	Stations: CDB, CDEB Control Units: DI, DDE, DME
<b>C245161E</b>	Chisel Cartridge 3.2 x 0.8 mm 0.126 x 0.031 in		General use	Stations: CDB, CDEB Control Units: DI, DDE, DME
<b>C245070E</b>	Chisel Cartridge 5 x 1.7 mm 0.197 x 0.067 in		General use	Stations: CDB, CDEB Control Units: DI, DDE, DME

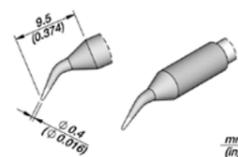
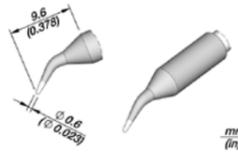
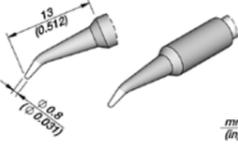
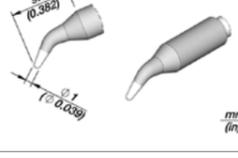
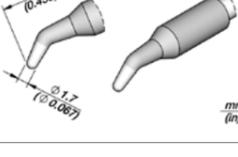
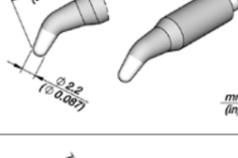
**C245E** Extended Tip Life Cartridge Range for T245 General Purpose Handles

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

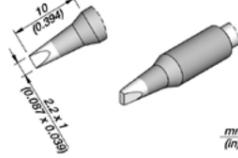
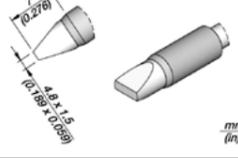
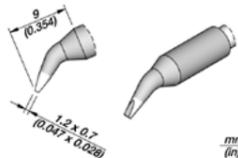
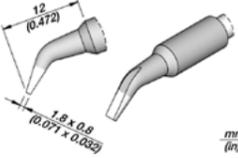
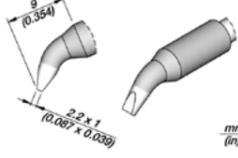
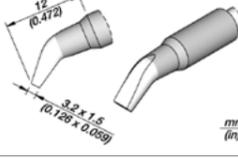
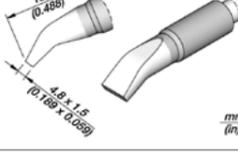
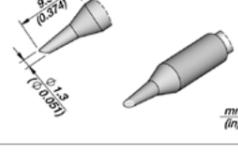


## C250 Cartridge Range

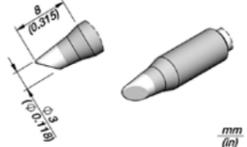
for **ALE250** Auto-Feed Iron and **AP250** Solder Feed Iron

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

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

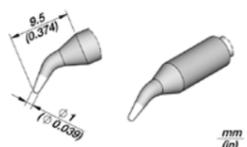
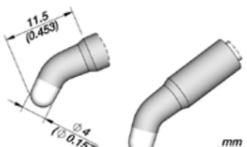
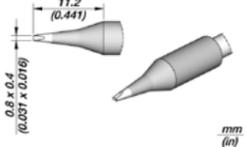
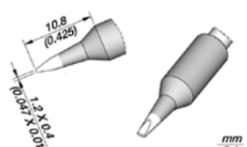
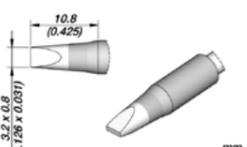
	Ref.	Description	Image and dimensions	Suggested components	Compatible with
	<b>C250413</b>	Chisel Cartridge 2.2 x 1 mm S2 0.087 x 0.039 in		General use	Stations: ALE, CA
	<b>C250411</b>	Chisel Cartridge 4.8 x 1.5 mm 0.189 x 0.059 in		General use	Stations: ALE, CA
	<b>C250404</b>	Chisel Bent Cartridge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

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

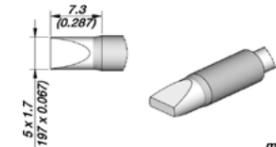
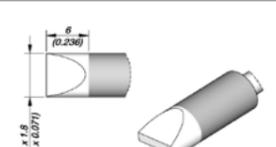
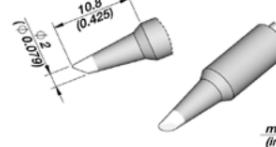
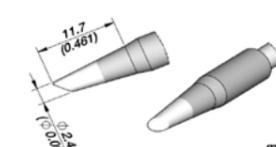
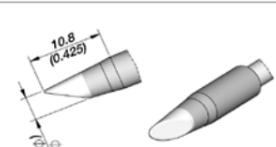
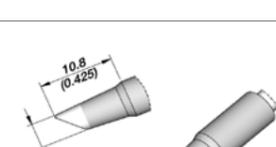
	Ref.	Description	Image and dimensions	Suggested components	Compatible with
	<b>C250424</b>	Bevel Cartridge Ø 3 mm Ø 0.118 in		Drag soldering Through-hole	Stations: ALE, CA
	<b>C250415</b>	Bevel Cartridge Ø 3.8 mm Ø 0.149 in		Drag soldering Through-hole	Stations: ALE, CA

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

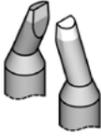
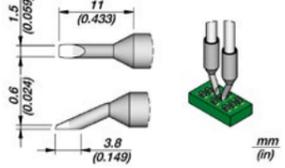
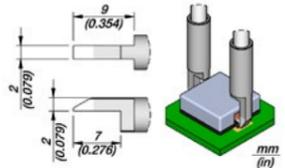
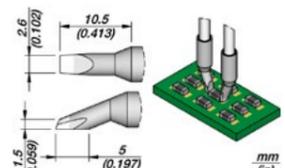
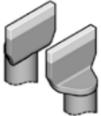
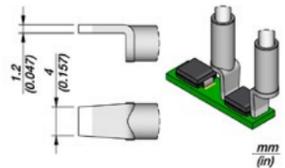
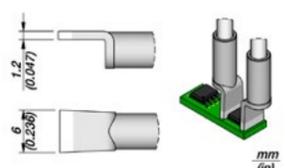
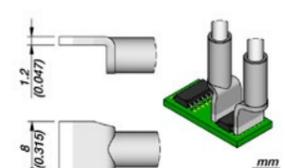
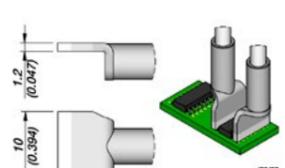
C250E Cartridges have a reinforced protection on the tip that provides a longer life with a small reduction of thermal efficiency.

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

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

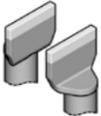
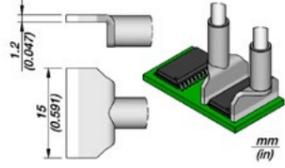
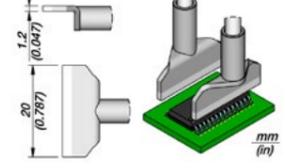
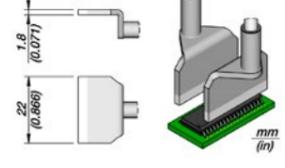
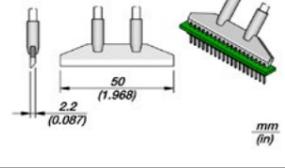
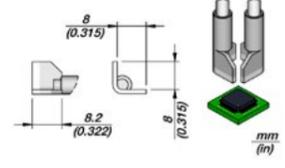
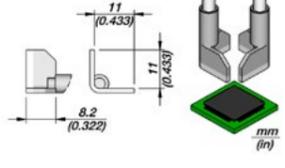
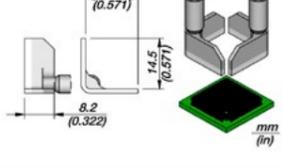
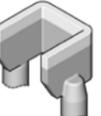
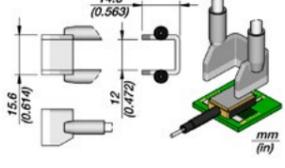
	Ref.	Description	Image and dimensions	Suggested components	Compatible with
	<b>C250436E</b>	Chisel Cartridge 5 x 1.7 mm 0.197 x 0.067 in		General use	Stations: ALE, CA
	<b>C250441E</b>	Chisel Cartridge 6.6 x 1.8 mm 0.260 x 0.071 in		General use	Stations: ALE, CA
	<b>C250433E</b>	Bevel Cartridge Ø 2 mm Ø 0.079 in		Drag soldering Through-hole	Stations: ALE, CA
	<b>C250437E</b>	Bevel Cartridge Ø 2.4 mm Ø 0.094 in		Drag soldering Through-hole	Stations: ALE, CA
	<b>C250440E</b>	Bevel Cartridge Ø 3.5 mm Ø 0.138 in		Drag soldering Through-hole	Stations: ALE, CA
	<b>C250429E</b>	Bevel Cartridge Ø 3.8 mm Ø 0.150 in		Drag soldering Through-hole	Stations: 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 1.5 mm 0.059 in		SMD resistors SMD capacitors	Control Units: DI, DDE, DME
	<b>C420287</b>	Chip Cartridge 2 mm 0.079 in		Customized	Control Units: DI, DDE, DME
	<b>C420272</b>	Chip Cartridge 2.6 mm 0.102 in		SMD resistors SMD capacitors	Control Units: DI, DDE, DME
		<b>C420273</b>	Blade Cartridge 4 mm 0.157 in		Package 1210, 1812 SO, SOT DIP
<b>C420274</b>		Blade Cartridge 6 mm 0.236 in		DIP IC	Control Units: DI, DDE, DME
<b>C420275</b>		Blade Cartridge 8 mm 0.315 in		DIP IC	Control Units: DI, DDE, DME
<b>C420276</b>		Blade Cartridge 10 mm 0.394 in		DIP IC	Control Units: DI, DDE, DME

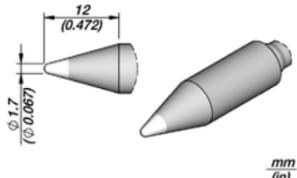
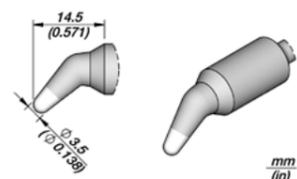
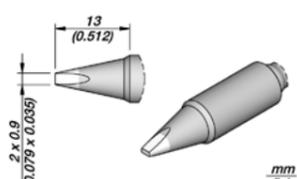
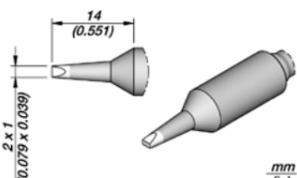
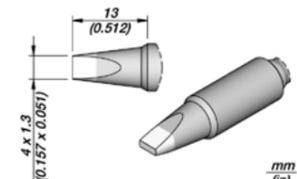
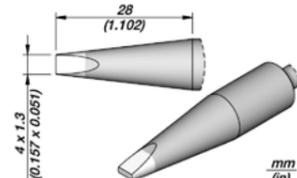
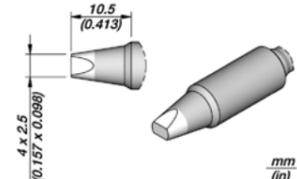


## C420 Cartridge Range for AT420 and HT420 Thermal Tweezers

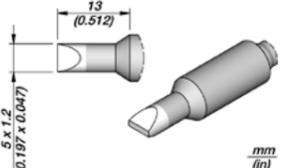
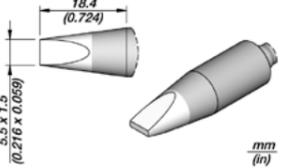
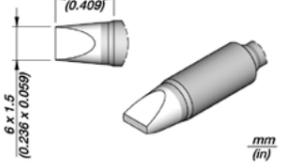
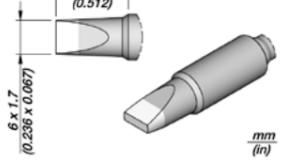
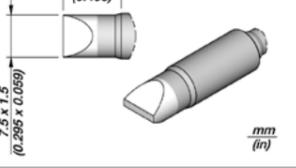
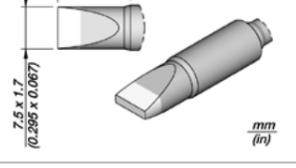
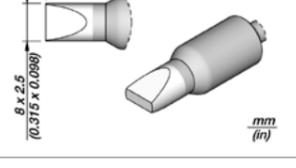
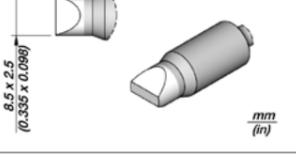
	Ref.	Description	Image and dimensions	Suggested components	Compatible with
	<b>C420277</b>	Blade Cartridge 15 mm 0.591 in		DIP IC	Control Units: DI, DDE, DME
	<b>C420278</b>	Blade Cartridge 20 mm 0.787 in		DIP IC	Control Units: DI, DDE, DME
	<b>C420285</b>	Blade Cartridge 22 mm 0.866 in		DIP IC	Control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

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

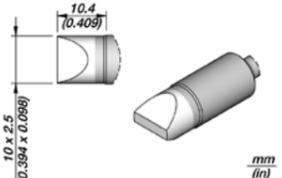
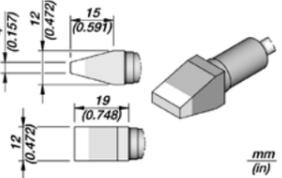
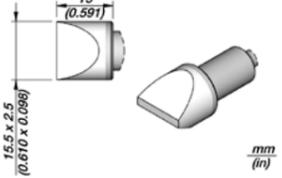
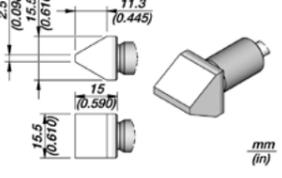
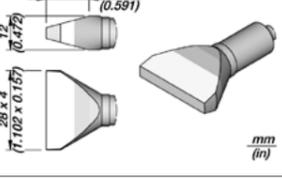
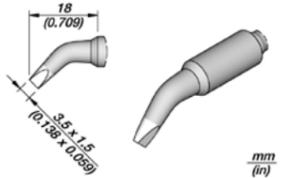
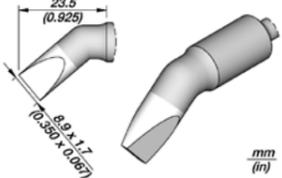
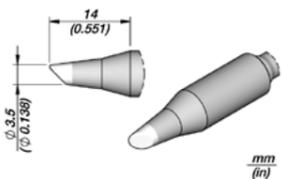


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	<b>C470001</b>	Conical Cartridge Ø 1.7 mm Ø 0.067 in		General use	Station: HDE
	<b>C470008</b>	Conical Bent Cartridge Ø 3.5 mm Ø 0.138 in		General use	Station: HDE
	<b>C470013</b>	Chisel Cartridge 2 x 0.9 mm 0.079 x 0.035 in		General use	Station: HDE
	<b>C470036</b>	Chisel Cartridge 2 x 1 mm 0.079 x 0.039 in		General use	Station: HDE
	<b>C470014</b>	Chisel Cartridge 4 x 1.3 mm S1 0.157 x 0.051 in		General use	Station: HDE
	<b>C470040</b>	Chisel Cartridge 4 x 1.3 mm S2 0.157 x 0.051 in		General use	Station: HDE
	<b>C470035</b>	Chisel Cartridge 4 x 2.5 mm 0.157 x 0.098 in		General use	Station: HDE

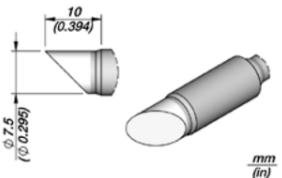
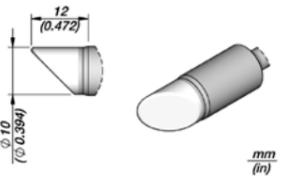
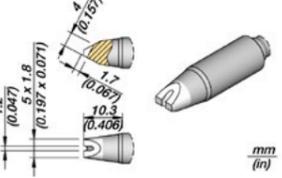
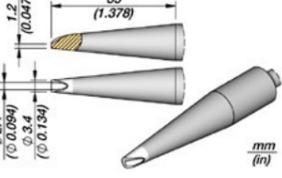
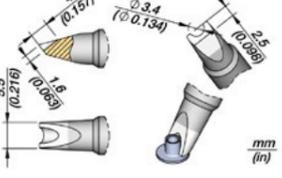
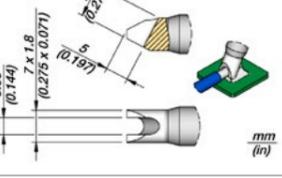
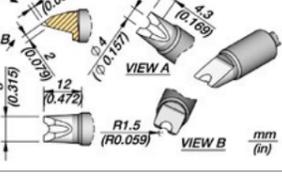
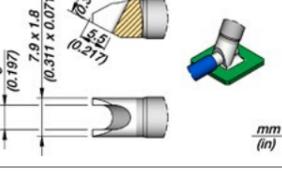
## C470 Cartridge Range for T470 and HT470 HD Heavy Duty Tools

	Ref.	Description	Image and dimensions	Suggested components	Compatible with
	<b>C470017</b>	Chisel Cartridge 5 x 1.2 mm 0.197 x 0.047 in		General use	Station: HDE
	<b>C470009</b>	Chisel Cartridge 5.5 x 1.5 mm 0.216 x 0.059 in		General use Sheet metal	Station: HDE
	<b>C470002</b>	Chisel Cartridge 6 x 1.5 mm 0.236 x 0.059 in		General use Sheet metal	Station: HDE
	<b>C470015</b>	Chisel Cartridge 6 x 1.7 mm 0.236 x 0.067 in		General use	Station: HDE
	<b>C470004</b>	Chisel Cartridge 7.5 x 1.5 mm 0.295 x 0.059 in		General use Sheet metal	Station: HDE
	<b>C470016</b>	Chisel Cartridge 7.5 x 1.7 mm 0.295 x 0.067 in		General use	Station: HDE
	<b>C470058</b>	Chisel Cartridge 8 x 2.5 mm 0.315 x 0.098 in		General use Sheet metal	Station: HDE
	<b>C470039</b>	Chisel Cartridge 8.5 x 2.5 mm 0.335 x 0.098 in		General use Sheet metal	Station: 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 10 x 2.5 mm 0.394 x 0.098 in		General use Sheet metal	Station: HDE
	<b>C470021</b>	Chisel Cartridge 12 x 4 mm 0.472 x 0.157 in		General use Sheet metal	Station: HDE
	<b>C470007</b>	Chisel Cartridge 15.5 x 2.5 mm 0.610 x 0.098 in		General use Sheet metal	Station: HDE
	<b>C470067</b>	Chisel Cartridge 15.5 X 2.5 mm 0.610 x 0.098 in		General use Sheet metal	Station: HDE
	<b>C470022</b>	Chisel Cartridge 28 x 4 mm 1.102 x 0.157 in		Sheet metal	Station: HDE
	<b>C470034</b>	Chisel Bent Cartridge 3.5 x 1.5 mm 0.138 x 0.059 in		General use	Station: HDE
	<b>C470018</b>	Chisel Bent Cartridge 8.9 x 1.7 mm 0.350 x 0.067 in		General use Sheet metal	Station: HDE
	<b>C470019</b>	Bevel Cartridge Ø 3.5 mm Ø 0.138 in		General use	Station: 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 Ø 7.5 mm Ø 0.295 in		General use Sheet metal	Station: HDE
	<b>C470056</b>	Bevel Cartridge Ø 10 mm Ø 0.394 in		Wide area Shield desoldering Sheet metal	Station: HDE
	<b>C470028</b>	Barrel Cartridge Ø 1.2 mm Ø 0.047 in		Cable Through-hole	Station: HDE
	<b>C470020</b>	Barrel Cartridge Ø 2.4 mm Ø 0.094 in		Through-hole	Station: HDE
	<b>C470048</b>	Barrel Cartridge Ø 3.4 mm Ø 0.134 in		Cable Through-hole	Station: HDE
	<b>C470033</b>	Barrel Cartridge Ø 3.65 mm Ø 0.144 in		Cable Through-hole	Station: HDE
	<b>C470055</b>	Barrel Cartridge Ø 4 mm Ø 0.157 in		Cable Through-hole	Station: HDE
	<b>C470030</b>	Barrel Cartridge Ø 5 mm Ø 0.197 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>C470049</b>	Barrel Cartridge Ø 5.2 mm Ø 0.205 in		Cable Through-hole	Station: HDE
	<b>C470037</b>	Barrel Cartridge Ø 8 mm Ø 0.315 in		Cable Through-hole	Station: HDE
	<b>C470073</b>	Barrel Cartridge Ø 10 mm Ø 0.394 in		Cable Through-hole	Station: HDE
	<b>C470041</b>	Barrel Cartridge Ø 12.5 mm Ø 0.492 in		Cable Through-hole	Station: HDE
	<b>C470061</b>	Knife Cartridge 10.6 mm 0.417 in		Drag Soldering	Station: HDE
	<b>C470064</b>	Blade Cartridge 10 mm 0.394 in		Pad cleaning Connector desoldering	Station: HDE
	<b>C470059</b>	Blade Cartridge 20 mm 0.787 in		Pad cleaning Connector desoldering	Station: HDE
	<b>C470023</b>	Blade Cartridge 32 mm 1.260 in		Pad cleaning 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 37 mm 1.457 in		Pad cleaning Connector desoldering	Station: HDE
	<b>C470046</b>	Single Flat Cartridge 7.5 mm 0.295 in		General use Sheet metal	Station: HDE
	<b>C470050</b>	Blade Cartridge Ø 3.8 mm Ø 0.150 in		Cable Connectors	Station: HDE
	<b>C470043</b>	Drag Cartridge 1.1 x 10 mm 0.043 x 0.394 in		Wire soldering	Station: HDE
	<b>C470031</b>	Pin/Connector Cartridge Ø 3.3 mm Ø 0.126 in		Cable Through-hole	Station: HDE
	<b>C470045</b>	Pin / Connector Cartridge Ø 3.5 mm Ø 0.138 in		Through-hole Male connector	Station: HDE
	<b>C470042</b>	Pin/Connector Cartridge Ø 4.8 mm Ø 0.189 in		Cable Through-hole	Station: HDE
	<b>C470066</b>	Pin/Connector Cartridge Ø 5.5 mm Ø 0.216 in		Cable Through-hole	Station: HDE

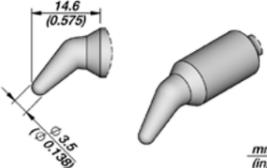
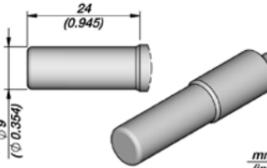
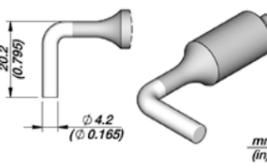
**C470 Cartridge Range for T470 and HT470 HD Heavy Duty Tools**

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

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

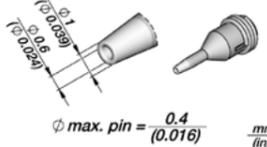
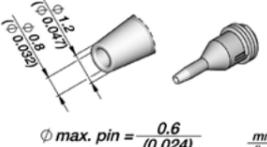
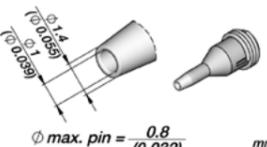
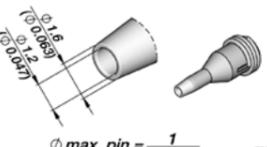
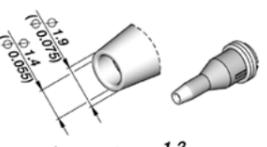
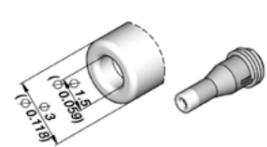
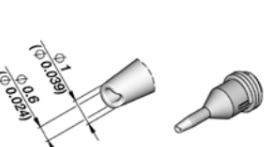
Ref.	Description	Image and dimensions	Suggested components	Compatible with
<b>C470070</b>	Faston Terminal Cartridge 21 mm 0.827 in		Connectors	Station: HDE
<b>C470044</b>	RF Shield Removal Cartridge 10 x 15 mm 0.394 x 0.591 in		Shield desoldering Metal PCB Sheet metal	Station: HDE
<b>C470057</b>	RF Shield Removal Cartridge 20 x 30 mm 0.787 x 1.181 in		Shield desoldering Metal PCB Sheet metal	Station: HDE
<b>C470005</b>	RF Shield Removal Cartridge Ø 15 mm Ø 0.591 in		Shield desoldering Metal PCB Sheet metal	Station: HDE
<b>C470027</b>	RF Shield Removal Cartridge 43 x 20 mm 1.693 x 0.787 in		Shield desoldering	Station: HDE
<b>C470SP01</b>	Solder Pot Cartridge 15 x 18 mm 0.591 x 0.709 in		Tinnig wires Desoldering Through-hole Multipin components	Station: HDE
<b>C470SP42</b>	Solder Pot Cartridge 40 x 40 mm 1.575 x 1.575 in		Tinnig wires Desoldering Through-hole Multipin components	Station: HDE
<b>C470025</b>	Heat Staking Cartridge Ø 1.7 mm 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 Ø 3.5 mm Ø 0.138 in		Plastics	Station: HDE
<b>C470032</b>	Heat Staking Cartridge Ø 9 mm Ø 0.354 in		Plastics	Station: HDE
<b>C470011</b>	Hook Cartridge Ø 4.2 mm Ø 0.165 in		Difficult to reach	Station: HDE



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

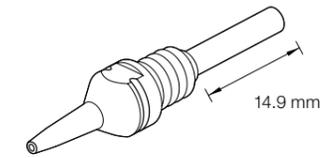
Ref.	Description	Image and dimensions	Suggested components	Compatible with
<b>C360001</b>	Micro Desoldering Tip Ø 0.6 mm Ø 0.024 in		Through-hole Desoldering	Stations: CS Control Units: DI, DDE, DME Modules: MSE, MS
<b>C360002</b>	Micro Desoldering Tip Ø 0.8 mm Ø 0.032 in		Through-hole Desoldering	Stations: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

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

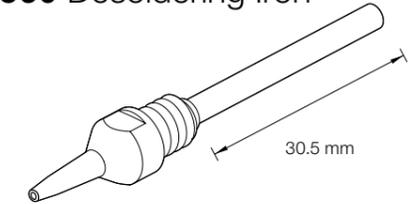
Ref.	Description	Image and dimensions	Suggested components	Compatible with
<b>C360012</b>	Micro Desoldering Tip Ø 0.8 mm Pad Ø 0.032 in		Pad desoldering	Stations: CS Control Units: DI, DDE, DME Modules: MSE, MS
<b>C360013</b>	Micro Desoldering Tip Ø 1 mm Pad Ø 0.039 in		Pad desoldering	Stations: CS Control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



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

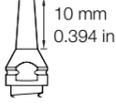
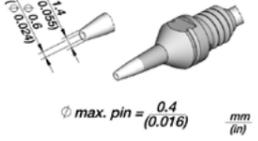
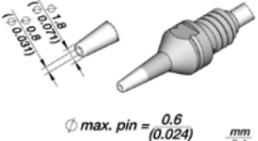
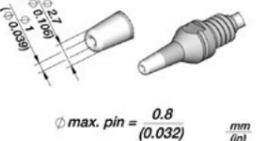
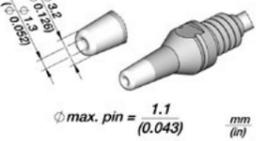
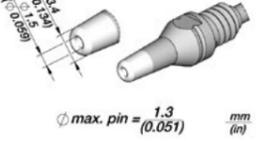
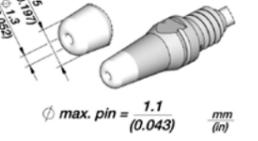
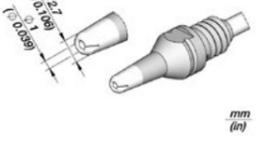


**C560 Tip Range for DR560 Desoldering Iron**



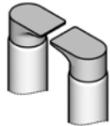
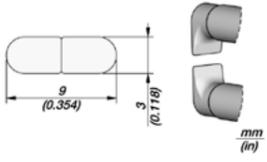
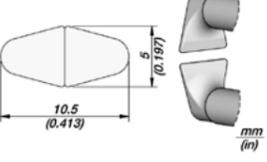
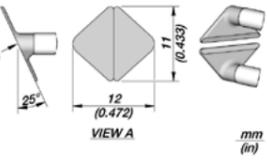
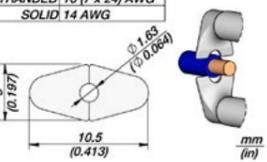
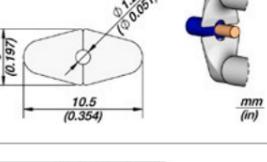
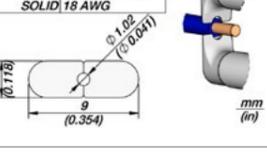
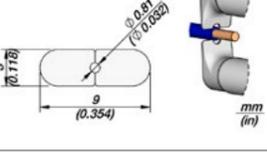
Ref.	Description	Image and dimensions	Suggested components	Compatible with
<b>D530017</b> <b>C560017</b>	Desoldering Tip Ø 1.1 mm Ø 0.043 in		Through-hole Desoldering	Control Units: DI, DDE, DME Modules: MSE, MS
<b>D530014</b> <b>C560014</b>	Desoldering Tip Ø 0.8 mm Ø 0.032 in		Through-hole Desoldering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

D530 and C560 Tip Range for DT530 and DR560 Desoldering Irons

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

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



Ref.	Description	Image and dimensions	Suggested components	Compatible with	
 <b>W14003F</b>	Flat Blade Cartridges 3 mm 0.118 in		Wire insulation stripping	Station: WSS	
	 <b>W14005F</b>	Flat Blade Cartridges 5 mm 0.197 in		Wire insulation stripping	Station: WSS
		 <b>W14012F</b>	Flat Blade Cartridges 12 mm 0.472 in		Wire insulation stripping
 <b>W14014G</b>	Single-Hole Cartridges Solid Wire 14 AWG			Wire insulation stripping	Station: WSS
	 <b>W14016G</b>	Single-Hole Cartridges Solid Wire 16 AWG		Wire insulation stripping	Station: WSS
		 <b>W14018G</b>	Single-Hole Cartridges Solid Wire 18 AWG		Wire insulation stripping
	 <b>W14020G</b>		Single-Hole Cartridges Solid Wire 20 AWG		Wire insulation 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 Solid Wire 22 AWG	 STRANDED 24 (19 x 36) AWG 24 (7 x 32) AWG SOLID 22 AWG	Wire insulation stripping	Station: WSS
<b>W14024G</b>	Single-Hole Cartridges Solid Wire 24 AWG	 STRANDED 26 (19 x 38) AWG 26 (19 x 38) AWG SOLID 24 AWG	Wire insulation stripping	Station: WSS
<b>W14026G</b>	Single-Hole Cartridges Solid Wire 26 AWG	 STRANDED 28 (19 x 40) AWG 27 (7 x 35) AWG SOLID 26 AWG	Wire insulation stripping	Station: WSS
<b>W14028G</b>	Single-Hole Cartridges Solid Wire 28 AWG	 STRANDED 30 (19 x 42) AWG 30 (7 x 38) AWG SOLID 28 AWG	Wire insulation stripping	Station: WSS
<b>W14030G</b>	Single-Hole Cartridges Solid Wire 30 AWG	 STRANDED 32 (19 x 44) AWG SOLID 30 AWG	Wire insulation stripping	Station: WSS
<b>W14032G</b>	Single-Hole Cartridges Solid Wire 32 AWG	 STRANDED 34 (7 x 42) AWG SOLID 32 AWG	Wire insulation stripping	Station: WSS
<b>W14034G</b>	Single-Hole Cartridges Solid Wire 34 AWG	 STRANDED 36 (7 x 44) AWG SOLID 34 AWG	Wire insulation stripping	Station: WSS
<b>W14036G</b>	Single-Hole Cartridges Solid Wire 36 AWG	 SOLID 36 AWG	Wire insulation stripping	Station: 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 12.5 mm	 FLAT BLADE	Wire insulation stripping	Station: WSB
<b>W440021</b>	Multi-Hole Cartridges Solid Wire 34 - 22 AWG	 AWG mm A B C D E F	Wire insulation stripping	Station: WSB
<b>W440023</b>	Multi-Hole Cartridges Solid Wire 26 -16 AWG	 AWG mm A B C D E F	Wire insulation stripping	Station: WSB

W440021		
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 30 (19 x 42) AWG	28 AWG	0.32 (0.0126)
D 28 (19 x 40) AWG 27 (7 x 35) AWG	26 AWG	0.40 (0.0157)
E 26 (19 x 38) AWG 26 (10 x 36) AWG	24 AWG	0.51 (0.0201)
F 24 (19 x 36) AWG 24 (7 x 32) AWG	22 AWG	0.64 (0.0252)

W440023		
STRANDED	SOLID	mm (in)
A 28 (19 x 40) AWG 27 (7 x 35) AWG	26 AWG	0.40 (0.0157)
B 26 (19 x 38) AWG 26 (10 x 36) AWG	24 AWG	0.51 (0.0201)
C 24 (19 x 36) AWG 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 20 (19 x 32) AWG	18 AWG	1.02 (0.0402)
F 20 (7 x 28) AWG	16 AWG	1.29 (0.0508)



