



JBC

The Soldering Co.

Cartridge Guide

Feel the quality, be exclusive

Index

Most Efficient Soldering System.....	4
Bigger is better	6
Factors limiting tip life	7
Tip Cleaning Systems	8
C115 Cartridge Range for NT115, AN115, NP115, B.NANO and B.TWEEZERS Nano Tools	12
C120 Cartridge Range for PA120 and AM120 Micro Tweezers	16
C210 Cartridge Range for T210, B.100 and B.500 Tools.....	18
C245 Cartridge Range for T245 General Purpose Handles.....	23
C245L Longer Cartridge Range for T245 General Purpose Handles.....	40
C245E Extended Tip Life Cartridge Range for T245 General Purpose Handles	46
C250 Cartridge Range for ALE250 Auto-Feed Iron and AP250 Solder Feed Iron	48
C250E Extended Tip Life Cartridge Range for ALE250 Auto-Feed Iron and AP250 Solder Feed Iron	50
C420 Cartridge Range for AT420 and HT420 Thermal Tweezers.....	51
C470 Cartridge Range for T470 and HT470 HD Heavy Duty Tools	53
C360 Tip Range for DS360 Micro Desoldering Iron	62
D530 and C560 Tip Range for DT530 and DR560 Desoldering Irons	64
W140 Blade Cartridge Range for WS140 Precision High-Temperature Wire Stripper Tweezers	66
W440 Blade Cartridge Range for WS440 High-Temperature Wire Stripper Tweezers	68

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.

CE
ESD safe

All JBC products comply with CE standards and ESD recommendations.



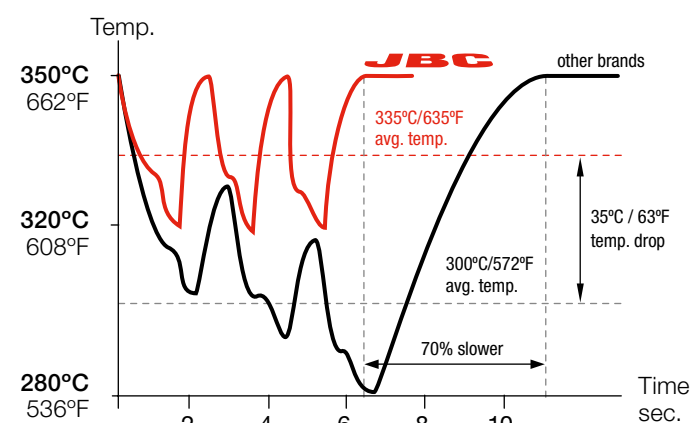
JBC Technology

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).

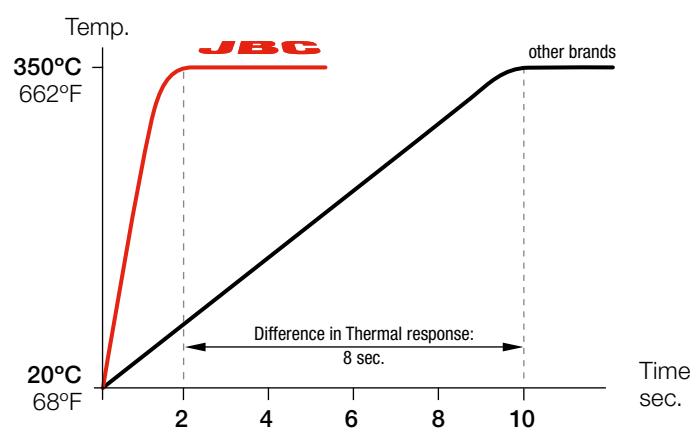
Enhanced Temperature Efficiency → Increased Productivity + Better Quality

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

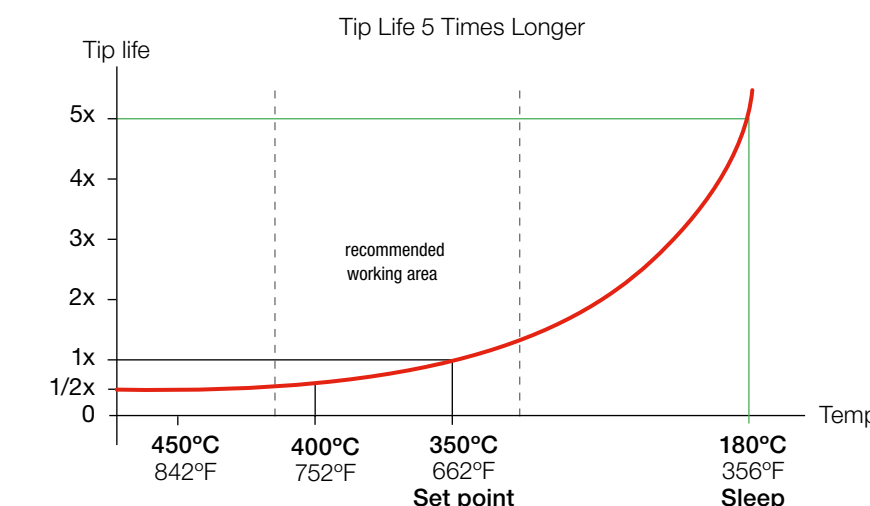
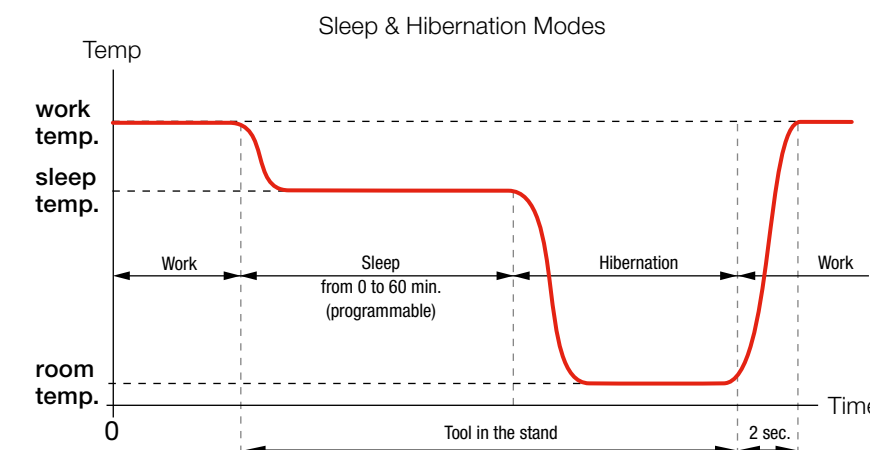
Sleep Mode **automatically lowers tip temperature** below the solder melting point when the tool rests in the stand. **It prevents the dissolution of the iron tip coating into molten solder.**

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**.

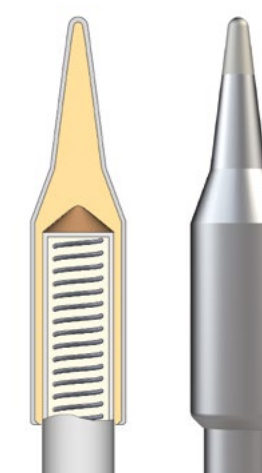
Longer Tip life

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



Cartridges with long life & extended tip life

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



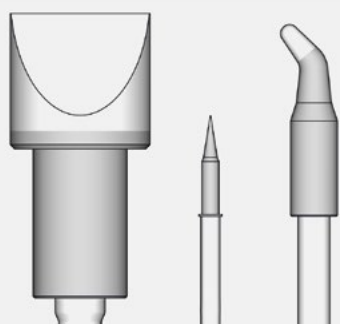
- **Excellent Heat Transfer**
The compact element reduces thermal barriers.
- **Instantaneous Heating**
A fully-integrated thermal sensor in the heater ensures quick temperature recovery.
- **Great Durability**
The intelligent algorithm control program extends tip life.

When you start working do not forget:

Bigger is better

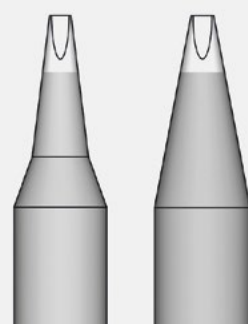
The bigger the solder tip, the better the thermal transfer. Select the tip that has the greatest contact area.

Over 500 tips of different sizes, shapes and power



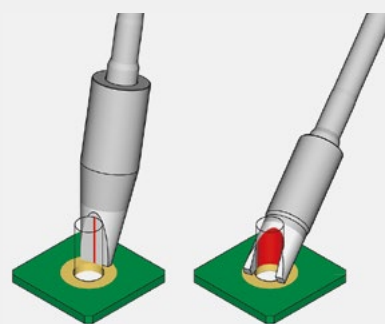
JBC Cartridges range from models for precision work to high power requirement applications.

Geometry Slimness vs Efficiency



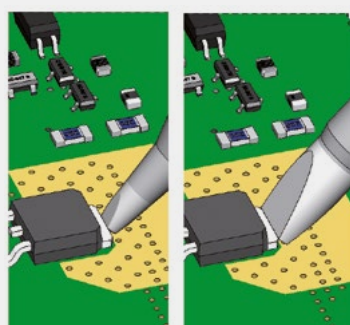
A wider tip transfers heat faster to the joint, improving your soldering speed and quality, while a thinner tip is better for hard-to-reach areas.

Increase the contact surface Tip - Application



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

Largest mass possible



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

Maintain tip surface clean and tinned



Remember that rusty and dirty surfaces reduce **heat transfer** to the solder joint.

(See JBC's cleaning methods on pages 8-9).

This way you will be able to:

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

Factors limiting tip life

Working temperature

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

Correct techniques

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

Iron plate thickness

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

Oxidization

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

Flux and solder alloy

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

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

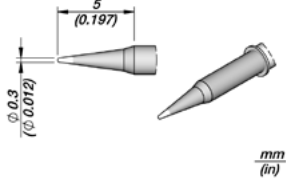
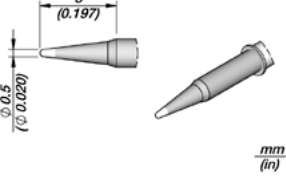
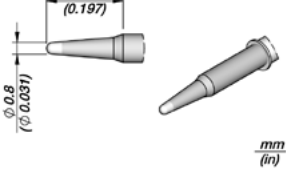
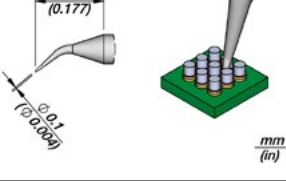
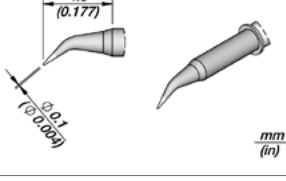
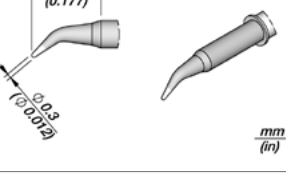
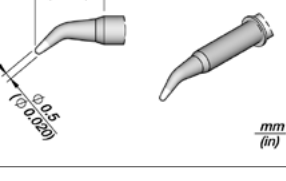
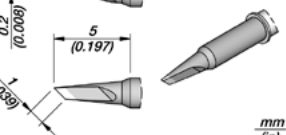


	Ref.	Description	Image and dimensions	Suggested components	Compatible with
	C115116	Chisel Cartridge 0.2 x 0.1 mm 0.008 x 0.004 in		Package 01005, 0201 Very fine pitch 0.4 mm QFP, IC	Stations: NASE, NANE, CDN, B.IRON NANO, B.IRON TWEEZERS, B.IRON DUAL NANO, B.IRON REWORK
	C115117	Chisel Cartridge 0.4 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
	C115108	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
	C115125	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
	C115113	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
	C115213	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
	C115221	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
	C115222	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
	C115114	Chisel Cartridge 1.8 x 0.5 mm 0.071 x 0.020 in		Package 0805 Through-hole	Stations: NASE, NANE,

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

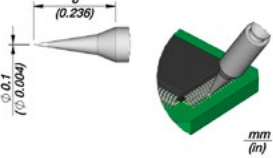
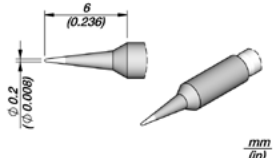
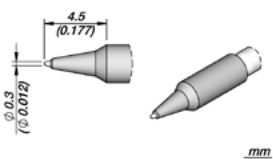
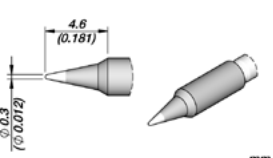
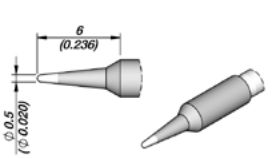
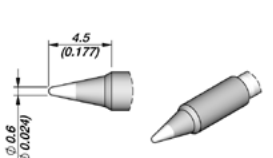
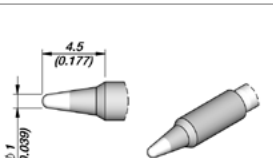
	Ref.	Description	Image and dimensions	Suggested components	Compatible with
	C115103	Conical Cartridge Ø 0.3 mm S1 Ø 0.012 in		Package 0201, 0402 Very fine pitch 0.65 mm QFP, IC	Stations: NASE, NANE, CDN, B.IRON NANO, B.IRON TWEEZERS, B.IRON DUAL NANO, B.IRON REWORK
	C115106	Conical Cartridge Ø 0.5 mm 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
	C115107	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
	C115124	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
	C115118	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
	C115105	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
	C115110	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
	C115120	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

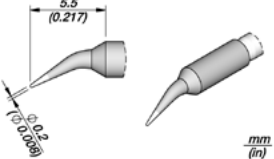
	Ref.	Description	Image and dimensions	Suggested components	Compatible with
	C115112	Knife Cartridge 2.5 x 0.3 mm 0.098 x 0.012 in			



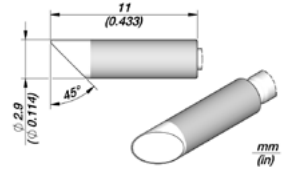
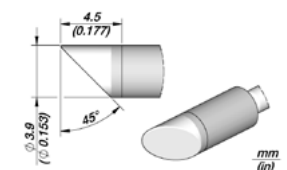
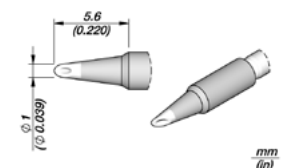
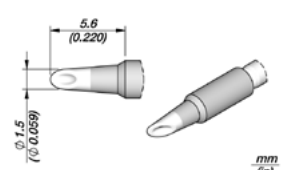
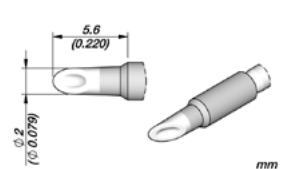
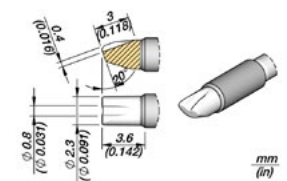
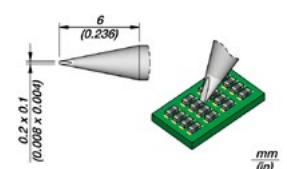
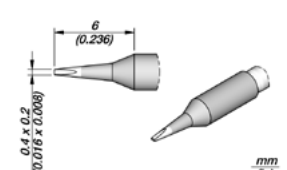
C210 Cartridge Range for T210, B.100 and B.500 Tools

	Ref.	Description	Image and dimensions	Suggested components	Compatible with
	C210020	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
	C210009	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
	C210016	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
	C210001	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
	C210013	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
	C210003	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
	C210005	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

	Ref.	Description	Image and dimensions	Suggested components	Compatible with
	C210002	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
	C210010	Conical Bent Cartridge Ø 0.3 mm Ø 0.012 in			

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

	Ref.	Description	Image and dimensions	Suggested components	Compatible with
	C210040	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
	C210041	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
	C210028	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
	C210029	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
	C210030	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
	C210038	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
	C210019	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
	C210023	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

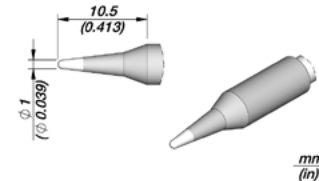
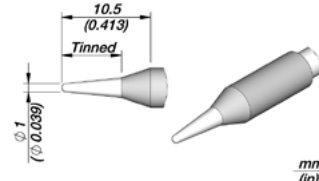
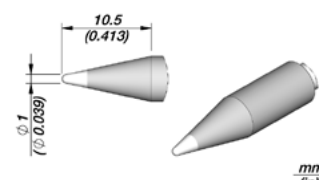
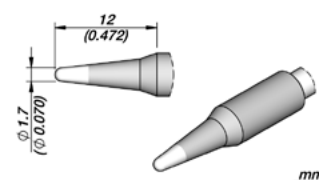
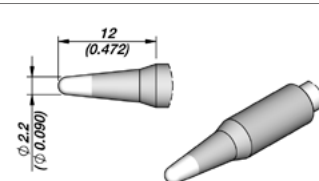
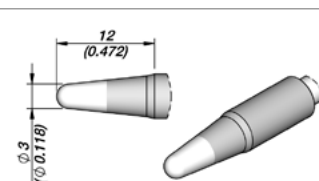
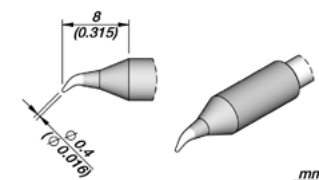
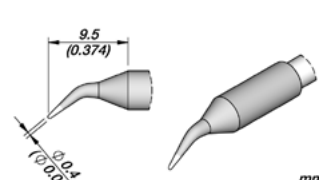
C210 Cartridge Range for T210, B.100 and B.500 Tools

	Ref.	Description	Image and dimensions	Suggested components	Compatible with
	C210021	Chisel Car			

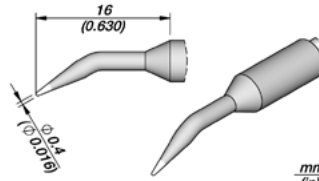
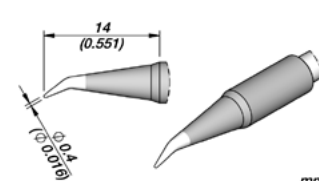
C210 Cartridge Range for T210, B.100 and B.500 Tools

	Ref.	Description	Image and dimensions	Suggested components	Compatible with
	C210015	Pin / Connector Cartridge Ø 0.8 mm Ø 0.032 in			

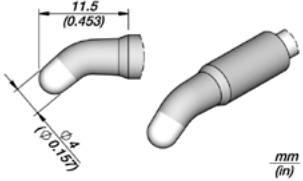
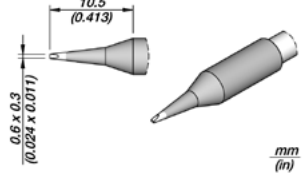
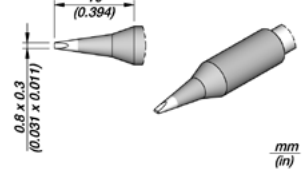
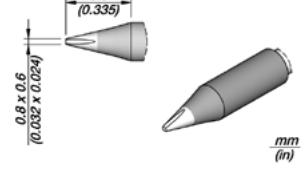
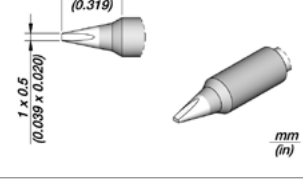
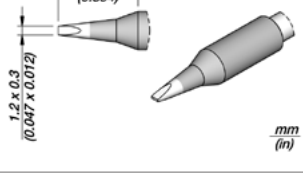
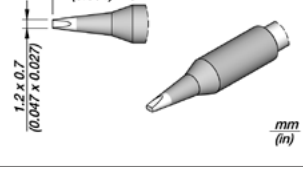
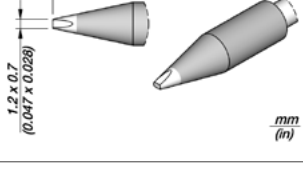
C245 Cartridge Range for T245 General Purpose Handles

	Ref.	Description	Image and dimensions	Suggested components	Compatible with
	C245903	Conical Cartridge Ø 1 mm S1 Ø 0.040 in		General use	Stations: CDB, CDEB Control Units: DI, DDE, DME
	C245041	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
	C245403	Conical Cartridge Ø 1 HT mm Ø 0.040 in		General use	Stations: CDB, CDEB Control Units: DI, DDE, DME
	C245943	Conical Cartridge Ø 1.7 mm Ø 0.070 in		General use	Stations: CDB, CDEB Control Units: DI, DDE, DME
	C245933	Conical Cartridge Ø 2.2 mm Ø 0.090 in		General use	Stations: CDB, CDEB Control Units: DI, DDE, DME
	C245107	Conical Cartridge Ø 3 mm HT Ø 0.118 in		General use	Stations: CDB, CDEB Control Units: DI, DDE, DME
	C245034	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
	C245029	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

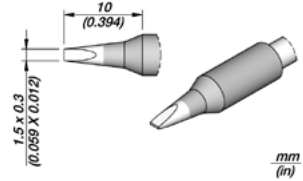
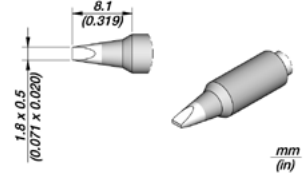
C245 Cartridge Range for T245 General Purpose Handles

	Ref.	Description	Image and dimensions	Suggested components	Compatible with
	C245126	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
	C245786	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</

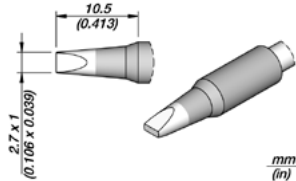
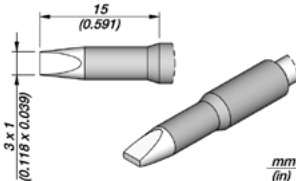
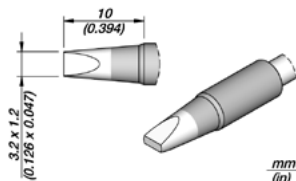
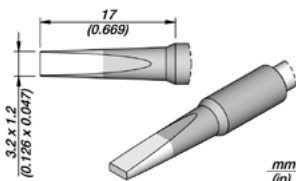
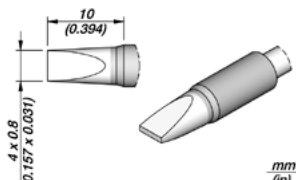
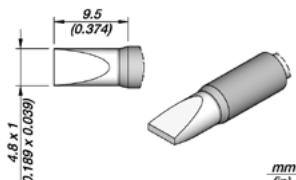
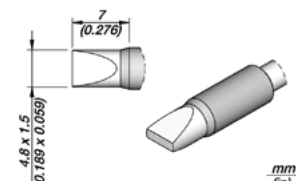
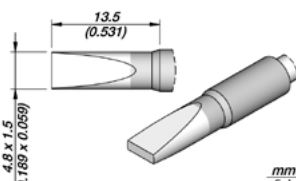
C245 Cartridge Range for T245 General Purpose Handles

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

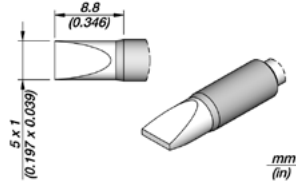
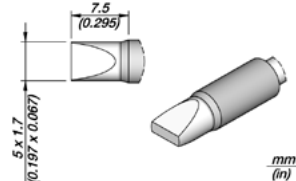
C245 Cartridge Range for T245 General Purpose Handles

	Ref.	Description	Image and dimensions	Suggested components	Compatible with
	C245768	Chisel Cartridge 1.5 x 0.3 mm 0.059 x 0.012 in		General use	Stations: CDB, CDEB Control Units: DI, DDE, DME
	C245171	Chisel Cartridge 1.8 x 0.5 mm 0.071 x 0.020 in		General use	Stations: CDB, CDEB Control Units: DI, DDE, DME
	C245944	Chisel Cartridge 1.8 x 0.8 mm 0.070 x 0.031 in			

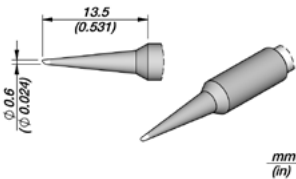
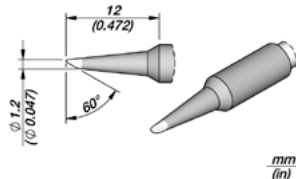
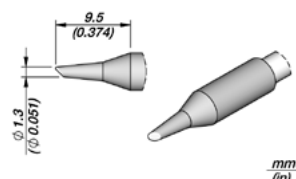
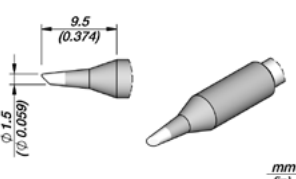
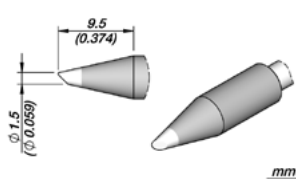
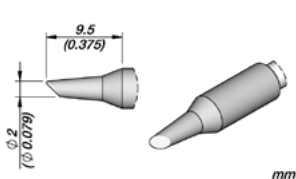
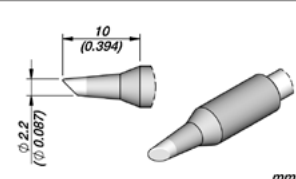
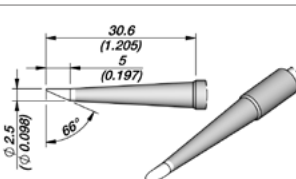
C245 Cartridge Range for T245 General Purpose Handles

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

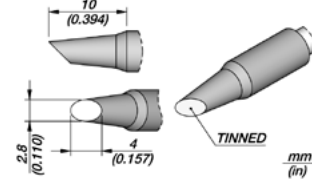
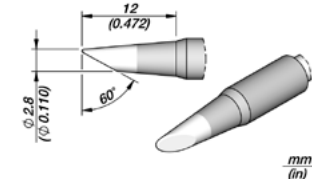
C245 Cartridge Range for T245 General Purpose Handles

	Ref.	Description	Image and dimensions	Suggested components	Compatible with
	C245967	Chisel Cartridge 5 x 1 mm HT 0.197 x 0.039 in		General use	Stations: CDB, CDEB Control Units: DI, DDE, DME
	C245069	Chisel Cartridge 5 x 1.7 mm HT 0.197 x 0.067 in		General use	Stations: CDB, CDEB Control Units: DI, DDE, DME
	C245966	Chisel Cartridge 6.6 x 1.8 mm HT 0.259 x 0.071 in			

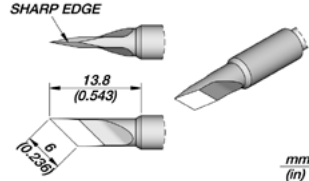
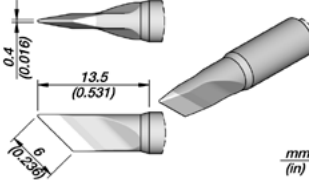
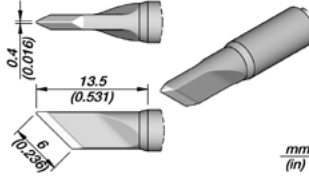
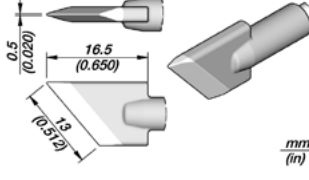
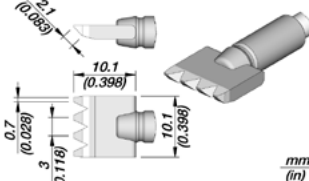
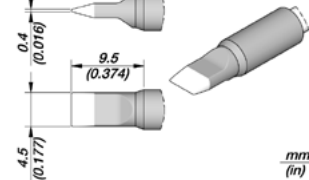
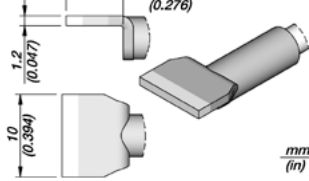
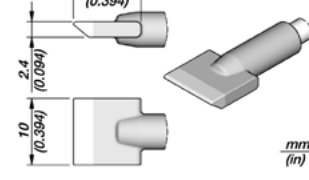
C245 Cartridge Range for T245 General Purpose Handles

	Ref.	Description	Image and dimensions	Suggested components	Compatible with
	C245747	Bevel Cartridge Ø 0.6 mm Ø 0.024 in		Package 0603 Through-hole	Stations: CDB, CDEB Control Units: DI, DDE, DME
	C245710	Bevel Cartridge Ø 1.2 mm Ø 0.047 in		Drag soldering Through-hole	Stations: CDB, CDEB Control Units: DI, DDE, DME
	C245064	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
	C245905	Bevel Cartridge Ø 1.5 mm Ø 0.059 in		Drag soldering Through-hole	Stations: CDB, CDEB Control Units: DI, DDE, DME
	C245405	Bevel Cartridge Ø 1.5 mm HT Ø 0.059 in		Drag soldering Through-hole	Stations: CDB, CDEB Control Units: DI, DDE, DME
	C245102	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
	C245945	Bevel Cartridge Ø 2.2 mm Ø 0.087 in		Drag soldering Through-hole	Stations: CDB, CDEB Control Units: DI, DDE, DME
	C245795	Bevel Cartridge Ø 2.5 mm L Ø 0.098 in		Drag soldering Through-hole	Stations: CDB, CDEB Control Units: DI, DDE, DME

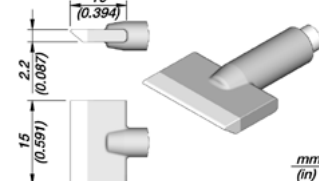
C245 Cartridge Range for T245 General Purpose Handles

	Ref.	Description	Image and dimensions	Suggested components	Compatible with
	C245784	Bevel Cartridge Ø 2.8 mm Ø 0.110 in		Drag soldering Through-hole	Stations: CDB, CDEB Control Units: DI, DDE, DME
	C245793	Bevel Cartridge Ø 2.8 mm - 60° Ø 0.110 in - 60°		Drag soldering Through-hole	Stations: CDB, CDEB Control Units: DI, DDE, DME
	C245912				

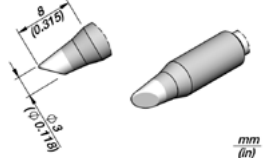
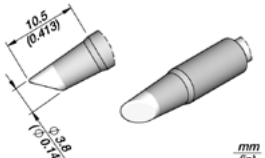
C245 Cartridge Range for T245 General Purpose Handles

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

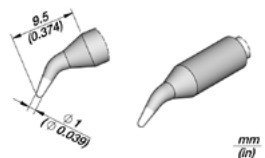
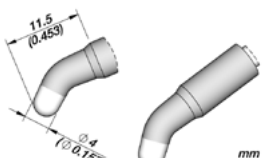
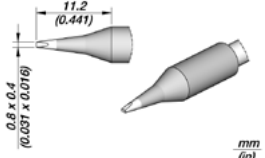
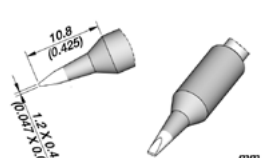
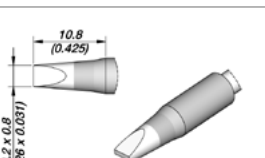
	Ref.	Description	Image and dimensions	Suggested components	Compatible with
	C245752	Blade Cartridge 15 mm 0.591 in		Pad cleaning Connector desoldering	Stations: CDB, CDEB Control Units: DI, DDE, DME
	C245913	Blade Cartridge 21 mm 0.827 in			

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

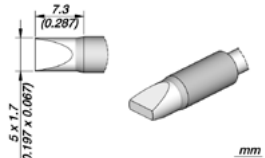
	Ref.	Description	Image and dimensions	Suggested components	Compatible with
	C250424	Bevel Cartridge Ø 3 mm Ø 0.118 in		Drag soldering Through-hole	Stations: ALE, CA
	C250415	Bevel Cartridge Ø 3.8 mm Ø 0.149 in		Drag soldering Through-hole	Stations: ALE, CA

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
	C250428E	Conical Bent Cartridge Ø 1 mm Ø 0.039 in		Package 0201, 0402 Fine pitch 0.65 mm QFP, IC	Stations: ALE, CA
	C250427E	Conical Bent Cartridge Ø 4 mm Ø 0.157 in		General use	Stations: ALE, CA
	C250438E	Chisel Cartridge 0.8 x 0.4 mm 0.031 x 0.016 in		General use	Stations: ALE, CA
	C250432E	Chisel Cartridge 1.2 x 0.4 mm 0.047 x 0.016 in		General use	Stations: ALE, CA
	C250439E	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
	C250436E	Chisel Cartridge 5 x 1.7 mm 0.197 x 0.067 in		General use	Stations: ALE, CA
	C250441E	Chisel Cartridge 6.6 x 1.8 mm 0.260 x 0.071 in			

