



**METCAL®**

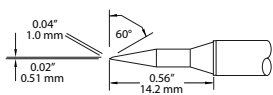
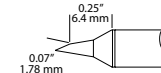
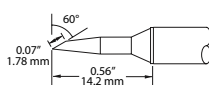
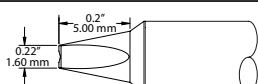
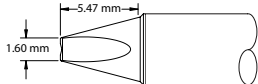
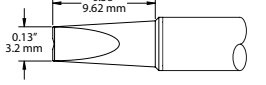
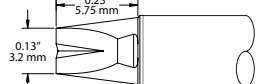
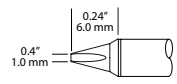
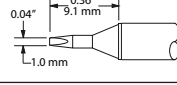
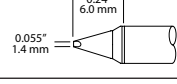
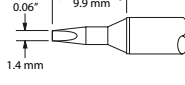
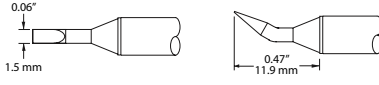


## Complete Soldering Cartridge & Tip Guide

## Temperature Guide & Tip Specifications CV & MX Series

Max Temperature	CV-Series	MX-Series	Application
575°F/302°C	CVC-5xxx	STTC-5xx	Temperature Sensitive
675°F/357°C	CVC-6xxx	STTC-0xx	
775°F/413°C	CVC-7xxx	STTC-1xx	Most Standard
875°F/468°C	CVC-8xxx	STTC-8xxV1	Ceramic and High Thermal Demand
950°F/510°C	CVC-9xxx	STTC-8xx	
Compatible with:	Systems: MX-500, MX-5000, MX-5200, CV-500, CV-5200  Handpieces: MX-RM3E, MX-RM6E, MX-H1AV, MX-H7-SF, CV-H1-AV, CV-H7-AV	Systems: MX-500, MX-5000, MX-5200  Handpieces: MX-RM3E, MX-RM6E, MX-H1-AV, MX-H7-SF	

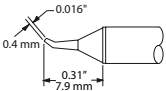
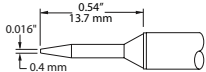
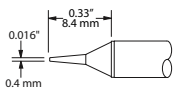
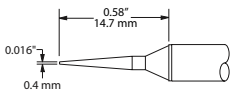
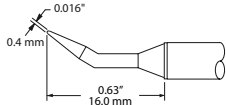
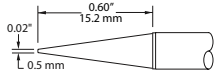
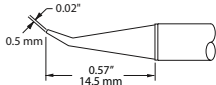
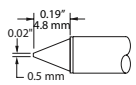
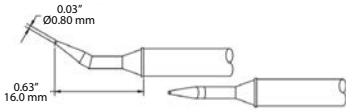
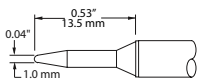
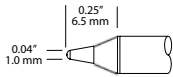
Please note the above temperatures are the maximum temperatures of the heater. The idle temperature is dependent on the geometry of the cartridge (up to 15°C lower)

Bevel Cartridges	CV Series	MX Series	
	CVC-5BV6005A	STTC-546	Long Reach, (Bevel/L) 60° x 1 mm, (ø x L) 0.50 mm x 14.2 mm
	CVC-6BV6005A	STTC-046	
	CVC-7BV6005A	STTC-146	
	CVC-8BV6005A		
	CVC-9BV6005A	STTC-846	
	CVC-5BV6018P		(Bevel/L) 60° x 1.78 mm, optimized geometry for best thermal performance (ø x L) 0.89 mm x 6.6 mm
	CVC-6BV6018P		
	CVC-7BV6018P	STTC-147P	
	CVC-8BV6018P		
	CVC-9BV6018P	STTC-847P	
	CVC-5BV6018R	STTC-547	Long Reach, (Bevel/L) 60° x 1.78 mm, (ø x L) 0.89 mm x 14.2 mm
	CVC-6BV6018R	STTC-047	
	CVC-7BV6018R	STTC-147	
	CVC-8BV6018R		
	CVC-9BV6018R	STTC-847	
V-Groove Cartridges	CV Series	MX Series	
	CVC-5VG0016A		V-Groove Chisel, 1.6 mm
	CVC-6VG0016A		
	CVC-7VG0016A		
	CVC-8VG0016A		
	CVC-9VG0016A		
	CVC-5VG0016P		V-Groove Chisel, Power, 1.6 mm
	CVC-6VG0016P		
	CVC-7VG0016P		
	CVC-8VG0016P		
	CVC-9VG0016P		
	CVC-5VG0032A		V-Groove Chisel, 3.2 mm
	CVC-6VG0032A		
	CVC-7VG0032A		
	CVC-8VG0032A		
	CVC-9VG0032A		
	CVC-5VG0032P		V-Groove Chisel, Power 3.2 mm
	CVC-6VG0032P		
	CVC-7VG0032P		
	CVC-8VG0032P		
	CVC-9VG0032P		
Chisel Cartridges	CV Series	MX Series	
	CVC-5CH0010P		Optimized geometry for best thermal performance, (W x L) 1.0 mm x 6.0 mm
	CVC-6CH0010P	STTC-025P	
	CVC-7CH0010P	STTC-125P	
	CVC-8CH0010P	STTC-825PV1	
	CVC-9CH0010P	STTC-825P	
	CVC-5CH0010S	STTC-525	(W x L) 1.0 mm x 9.1 mm
	CVC-6CH0010S	STTC-025	
	CVC-7CH0010S	STTC-125	
	CVC-8CH0010S	STTC-825V1	
	CVC-9CH0010S	STTC-825	
	CVC-5CH0014P		Optimized geometry for best thermal performance, (W x L) 1.4 mm x 6.0 mm
	CVC-6CH0014P		
	CVC-7CH0014P	STTC-138P	
	CVC-8CH0014P	STTC-838PV1	
	CVC-9CH0014P	STTC-838P	
	CVC-5CH0014S	STTC-538	(W x L) 1.4 mm x 9.9 mm
	CVC-6CH0014S	STTC-038	
	CVC-7CH0014S	STTC-138	
	CVC-8CH0014S	STTC-838V1	
	CVC-9CH0014S	STTC-838	
	CVC-5CH0015R	STTC-599	Bent 30°, for work under a microscope, (W x L) 1.5 mm x 11.9 mm
	CVC-6CH0015R	STTC-099	
	CVC-7CH0015R	STTC-199	
	CVC-8CH0015R		
	CVC-9CH0015R	STTC-899	

# CVC & STTC Cartridges



Chisel Cartridges	CV Series	MX Series	
	CVC-5CH0018A	STTC-542	Long Reach, Flat, (W x L) 1.78 mm x 16.0 mm
	CVC-6CH0018A	STTC-042	
	CVC-7CH0018A	STTC-142	
	CVC-8CH0018A		
	CVC-9CH0018A	STTC-842	
	CVC-5CH0018S	STTC-537	(W x L) 1.78 mm x 9.9 mm
	CVC-6CH0018S	STTC-037	
	CVC-7CH0018S	STTC-137	
	CVC-8CH0018S	STTC-837V1	
	CVC-9CH0018S	STTC-837	
	CVC-5CH0018P		Optimized geometry for best thermal performance, (W x L) 1.8 mm x 6.0 mm
	CVC-6CH0018P		
	CVC-7CH0018P	STTC-137P	
	CVC-8CH0018P	STTC-837PV1	
	CVC-9CH0018P	STTC-837P	
	CVC-5CH0018R	STTC-598	Bent 30°, for work under a microscope, (W x L) 1.8 mm x 10.0 mm
	CVC-6CH0018R	STTC-098	
	CVC-7CH0018R	STTC-198	
	CVC-8CH0018R		
	CVC-9CH0018R	STTC-898	
	CVC-5CH0025P		Optimized geometry for best thermal performance, (W x L) 2.5 mm x 6.0 mm
	CVC-6CH0025P		
	CVC-7CH0025P	STTC-136P	
	CVC-8CH0025P	STTC-836PV1	
	CVC-9CH0025P	STTC-836P	
	CVC-5CH0025S	STTC-536	(W x L) 2.5 mm x 9.9 mm
	CVC-6CH0025S	STTC-036	
	CVC-7CH0025S	STTC-136	
	CVC-8CH0025S	STTC-836V1	
	CVC-9CH0025S	STTC-836	
	CVC-5CH0030S	STTC-513	Optimized geometry for best thermal performance (W x L) 3.0 mm x 4.8 mm
	CVC-6CH0030S	STTC-013	
	CVC-7CH0030S	STTC-113	
	CVC-8CH0030S		
	CVC-9CH0030S	STTC-813	
	CVC-5CH0050A	STTC-565	Long Reach, (W x L) 5.0 mm x 11.4 mm
	CVC-6CH0050A	STTC-065	
	CVC-7CH0050A	STTC-165	
	CVC-8CH0050A		
	CVC-9CH0050A	STTC-865	
	CVC-5CH0050S	STTC-517	(W x L) 5.0 mm x 7.6 mm
	CVC-6CH0050S	STTC-017	
	CVC-7CH0050S	STTC-117	
	CVC-8CH0050S	STTC-817V1	
	CVC-9CH0050S	STTC-817	
Conical Cartridges	CV Series	MX Series	
	CVC-5CN0003A	STTC-590	Fine, Long Reach, for work in tight spaces, (ø x L) 0.25 mm x 13.2 mm
	CVC-6CN0003A	STTC-090	
	CVC-7CN0003A	STTC-190	
	CVC-8CN0003A		
	CVC-9CN0003A	STTC-890	
	CVC-5CN0004P		Sharp, optimized geometry for best thermal performance, (ø x L) 0.4 mm x 8.5 mm
	CVC-6CN0004P		
	CVC-7CN0004P	STTC-145P	
	CVC-8CN0004P		
	CVC-9CN0004P	STTC-845P	

Conical Cartridges	CV Series	MX Series	
	CVC-5CN0004R	STTC-526	Sharp, Bent 30°, for work under a microscope, (ø x L) 0.4 mm x 7.9 mm
	CVC-6CN0004R	STTC-026	
	CVC-7CN0004R	STTC-126	
	CVC-8CN0004R	STTC-826V1	
	CVC-9CN0004R	STTC-826	
	CVC-5CN1304A	STTC-506	Sharp, Long Reach, (ø x L) 0.4 mm x 13.7 mm
	CVC-6CN1304A	STTC-006	
	CVC-7CN1304A	STTC-106	
	CVC-8CN1304A		
	CVC-9CN1304A	STTC-806	
	CVC-5CN1404S	STTC-522	Sharp, (ø x L) 0.4 mm x 8.4 mm
	CVC-6CN1404S	STTC-022	
	CVC-7CN1404S	STTC-122	
	CVC-8CN1404S		
	CVC-9CN1404S	STTC-822	
	CVC-5CN1504A	STTC-545	Sharp, Long Reach, (ø x L) 0.4 mm x 14.7 mm
	CVC-6CN1504A	STTC-045	
	CVC-7CN1504A	STTC-145	
	CVC-8CN1504A		
	CVC-9CN1504A	STTC-845	
	CVC-5CN1604R	-	Sharp, Long Reach, Bent 30°, for work under a microscope, (ø x L) 0.4 mm x 16.0 mm
	CVC-6CN1604R		
	CVC-7CN1604R		
	CVC-8CN1604R		
	CVC-9CN1604R		
	CVC-5CN0005A	STTC-543	Sharp, Long Reach, (ø x L) 0.5 mm x 15.2 mm
	CVC-6CN0005A	STTC-043	
	CVC-7CN0005A	STTC-143	
	CVC-8CN0005A		
	CVC-9CN0005A	STTC-843	
	CVC-5CN0005R	STTC-544	Sharp, Long Reach, Bent 30°, for work under a microscope, (ø x L) 0.5 x 14.5 mm
	CVC-6CN0005R	STTC-044	
	CVC-7CN0005R	STTC-144	
	CVC-8CN0005R		
	CVC-9CN0005R	STTC-844	
	CVC-5CN4805S	STTC-516	Blunt, optimized geometry for best thermal performance, (ø x L) 0.5 mm x 4.8 mm
	CVC-6CN4805S	STTC-016	
	CVC-7CN4805S	STTC-116	
	CVC-8CN4805S		
	CVC-9CN4805S	STTC-816	
	CVC-5CN1608R	STTC-540	Sharp, Long Reach, Bent 30°, for work under a microscope, (ø x L) 0.8 mm x 16.0 mm
	CVC-6CN1608R	STTC-040	
	CVC-7CN1608R	STTC-140	
	CVC-8CN1608R	STTC-840V1	
	CVC-9CN1608R	STTC-840	
	CVC-5CN0010A	STTC-501	Long Reach, (ø x L) 1.0 mm x 13.5 mm
	CVC-6CN0010A	STTC-001	
	CVC-7CN0010A	STTC-101	
	CVC-8CN0010A		
	CVC-9CN0010A	STTC-801	
	CVC-5CN0010P		Optimized geometry for best thermal performance, (ø x L) 1.0 mm x 6.5 mm
	CVC-6CN0010P		
	CVC-7CN0010P	STTC-101P	
	CVC-8CN0010P		
	CVC-9CN0010P	STTC-801P	

# CVC & STTC Cartridges

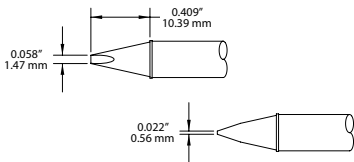
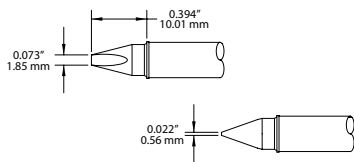
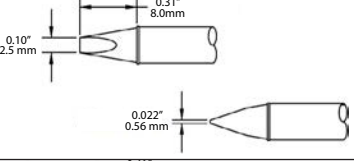
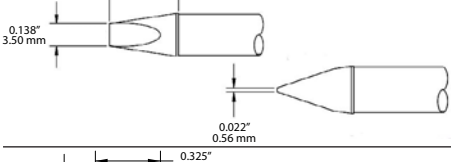
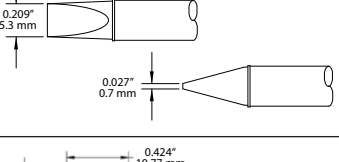
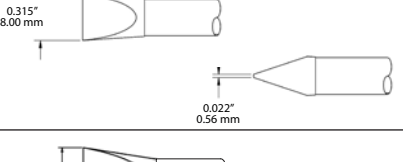
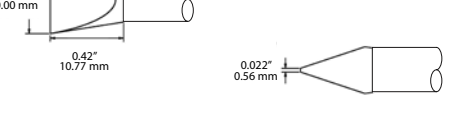


U-Groove Cartridges	CV Series	MX Series	
	CVC-5UG1808S		1.8 mm x 0.8 mm
	CVC-6UG1808S		
	CVC-7UG1808S		
	CVC-8UG1808S		
	CVC-9UG1808S		
	CVC-5UG3015S		3 mm x 1.5 mm
	CVC-6UG3015S		
	CVC-7UG3015S		
	CVC-8UG3015S		
	CVC-9UG3015S		
	CVC-5UG3925S		3.9 mm x 1.5 mm
	CVC-6UG3925S		
	CVC-7UG3925S		
	CVC-8UG3925S		
	CVC-9UG3925S		
	CVC-5UG4335S		4.3 x 3.5 mm
	CVC-6UG4335S		
	CVC-7UG4335S		
	CVC-8UG4335S		
	CVC-9UG4335S		

## Temperature Guide & Tip Specifications HCV/HTC Series

Max Temperature	CV-Series	MX-Series	Application
775°F/413°C	HCV-7	HTC-7	Most Standard
875°F/468°C	HCV-8	HTC-8	Ceramic and High Thermal Demand
950°F/510°C	HCV-9	HTC-9	
Compatible with:	Systems: MX-5000, MX-5200, CV-5200  Handpieces: MX-H6-HTD, CV-H6-HTD, CV-H7-HTD	Systems: MX-5000, MX-5200  Handpieces: MX-H6-HTD	

Please note the above temperatures are the maximum temperatures of the heater. The idle temperature is dependent on the geometry of the cartridge.

High Thermal Demand - Chisels	CV Series	MX Series	
	HCV-7CH0015S	—	Chisel, (W x L) 1.15 mm x 10.4 mm
	HCV-8CH0015S		
	HCV-9CH0015S		
	HCV-7CH0018S	—	Chisel, (W x L) 1.85 mm x 10.0 mm
	HCV-8CH0018S		
	HCV-9CH0018S		
	HCV-7CH0025S	HTC-7CH0025S	Chisel, (W x L) 2.5 mm x 8.0 mm
	HCV-8CH0025S	HTC-8CH0025S	
	HCV-9CH0025S	HTC-9CH0025S	
	HCV-7CH0035S	—	Chisel, (W x L) 3.5 mm x 10.4 mm
	HCV-8CH0035S		
	HCV-9CH0035S		
	HCV-7CH0053S	HTC-7CH0053S	Chisel, (W x L) 5.3 mm x 8.3 mm
	HCV-8CH0053S	HTC-8CH0053S	
	HCV-9CH0053S	HTC-9CH0053S	
	HCV-7CH0080S	—	Chisel, (W x L) 8.0 mm x 10.8 mm
	HCV-8CH0080S		
	HCV-9CH0080S		
	HCV-7CH0100S	—	Chisel, (W x L) 10.0 mm x 10.8 mm
	HCV-8CH0100S		
	HCV-9CH0100S		

# HVC & HTC High Thermal Demand Cartridges



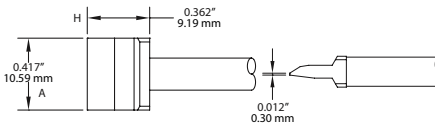
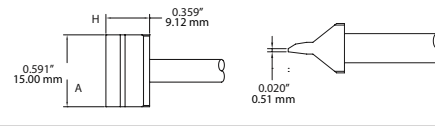
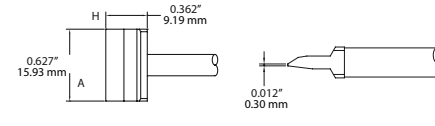
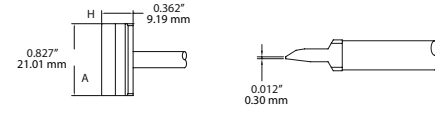
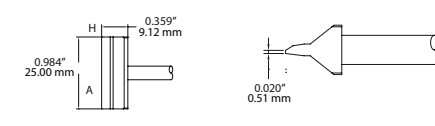
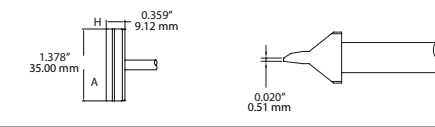
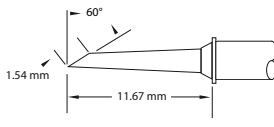
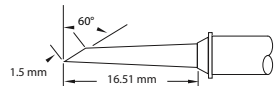
High Thermal Demand - V Groove Chisels	CV Series	MX Series	
	HCV-7VG0025S	—	V-Groove Chisel for pin soldering, Groove (W x L) 1.0 mm x 2.8 mm, (W x L) 2.5 mm x 8.3 mm
	HCV-8VG0025S		
	HCV-9VG0025S		
	HCV-7VG0053S	HTC-7VG0053S	V-Groove Chisel for pin soldering, Groove (W x L) 1.0 mm x 4 mm, (W x L) 5.3 mm x 8.3 mm
	HCV-8VG0053S	HTC-8VG0053S	
	HCV-9VG0053S	HTC-9VG0053S	
High Thermal Demand - Blades	CV Series	MX Series	
	HCV-7BL0015S	—	Blade, (W x L) 15.0 mm x 9.1 mm
	HCV-8BL0015S		
	HCV-9BL0015S		
	HCV-7BL0020S	—	Blade, (W x L) 20.0 mm x 9.1 mm
	HCV-8BL0020S		
	HCV-9BL0020S		
	HCV-7BL0025S	—	Blade, (W x L) 25.0 mm x 9.1 mm
	HCV-8BL0025S		
	HCV-9BL0025S		
	HCV-7BL0035S	—	Blade, (W x L) 35.0 mm x 9.1 mm
	HCV-8BL0035S		
	HCV-9BL0035S		
High Thermal Demand - Specials	CV Series	MX Series	
	HCV-7CN0020S	HTC-7CN0020S	Conical, (ø x L) 2.0 mm x 8.3 mm
	HCV-8CN0020S	HTC-8CN0020S	
	HCV-9CN0020S	HTC-9CN0020S	
	HCV-7SL0070S	—	Slot, 3.7 mm x 7.0 mm
	HCV-8SL0070S		
	HCV-9SL0070S		
	HCV-7BR0010S	—	Barrel, 2.5 mm x 10.4 mm
	HCV-8BR0010S		
	HCV-9BR0010S		

## Temperature Guide & Tip Specifications CV/MX Series

Max Temperature	CV-Series	MX-Series	Application
575°F/302°C	SMC-5xxx	SMTC-5xx	Temperature Sensitive
675°F/357°C	SMC-6xxx	SMTC-0xx	
775°F/413°C	SMC-7xxx	SMTC-1xx	Most Standard
875°F/468°C	SMC-8xxx	SMTC-8xxV1	Ceramic and High Thermal Demand
950°F/510°C	SMC-9xxx	SMTC-8xx	
Compatible with:	Systems: MX-500, MX-5000, MX-5200, CV-500, CV-5200 Handpieces: MX-RM3E, MX-RM6E, CV-HI-AV		

Please note the above temperatures are the maximum temperatures of the heater. The idle temperature is dependent on the geometry of the cartridge (up to 15°C lower)

These tips will provide data via the CV series power supplies, but due to the nature of their application the Connection Validation™ function is not required and therefore not enabled.

Blades for Rework Applications	CV Series	MX Series	
	SMC-5BL0010S	SMTC-560	Blade for Pad Clean-Up, A = 10.59 mm H = 9.19 mm
	SMC-6BL0010S	SMTC-060	
	SMC-7BL0010S	SMTC-160	
	SMC-8BL0010S		
	SMC-9BL0010S	SMTC-860	
	SMC-5BL0015H		Blade for Pad Clean-Up, A = 15 mm H = 9.12 mm
	SMC-6BL0015H	SMTC-0BL150	
	SMC-7BL0015H	SMTC-1BL150	
	SMC-8BL0015H		
	SMC-5BL0016S	SMTC-561	Blade for Pad Clean-Up, A = 15.93 mm H = 9.19 mm
	SMC-6BL0016S	SMTC-061	
	SMC-7BL0016S	SMTC-161	
	SMC-8BL0016S		
	SMC-9BL0016S	SMTC-861	
	SMC-5BL0022S	SMTC-562	Blade for Pad Clean-Up, A = 21.01 mm H = 9.19 mm
	SMC-6BL0022S	SMTC-062	
	SMC-7BL0022S	SMTC-162	
	SMC-8BL0022S		
	SMC-5BL0025H		Blade for Pad Clean-Up, A = 25 mm H = 9.12 mm
	SMC-6BL0025H	SMTC-0BL250	
	SMC-7BL0025H	SMTC-1BL250	
	SMC-8BL0025H		
	SMC-9BL0025H	SMTC-8BL250	
	SMC-5BL0035H		Blade for Pad Clean-Up, A = 35 mm H = 9.12 mm
	SMC-6BL0035H	SMTC-0BL350	
	SMC-7BL0035H	SMTC-1BL350	
	SMC-8BL0035H		
	SMC-5HF6009S	SMTC-5175	Rework Micro Hoof Cartridge - For Drag Soldering SOICs/QFPs, (Bevel/L) 60° x 1.54 mm, (ø x L) 0.77 mm x 11.67 mm
	SMC-6HF6009S	SMTC-0175	
	SMC-7HF6009S	SMTC-1175	
	SMC-8HF6009S		
	SMC-9HF6009S	SMTC-8175	
	SMC-5HF6011S	SMTC-5174	Rework Micro Hoof Cartridge - For Drag Soldering SOICs/QFPs, (Bevel/L) 60° x 1.5 mm, long reach, (ø x L) 0.75 mm x 16.51 mm
	SMC-6HF6011S	SMTC-0174	
	SMC-7HF6011S	SMTC-1174	
	SMC-8HF6011S		
	SMC-9HF6011S	SMTC-8174	

# SMC & SMTC Rework Cartridges

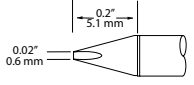
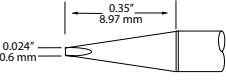
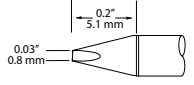
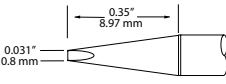
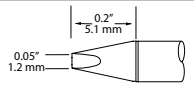
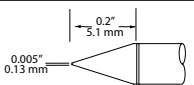
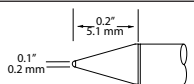
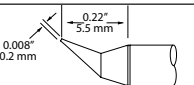
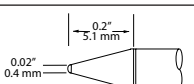
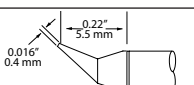
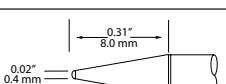
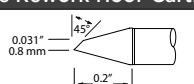
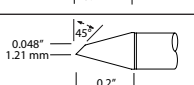


Rework Hoof Cartridges	CV Series	MX Series	
	SMC-5HF0015V		Rework Hoof Cartridge - For Drag Soldering SOICs/QFPs, (Bevel/L) 60° x 3 mm, (ø x L) 1.5 x 11.6 mm
	SMC-6HF0015V	SMTC-0184	
	SMC-7HF0015V	SMTC-1184	
	SMC-8HF0015V		
	SMC-9HF0015V		
	SMC-5HF6015S		Rework Hoof Cartridge - For Drag Soldering SOICs/QFPs, (Bevel/L) 30° x 1.76 mm, long reach, (ø x L) 1.52 x 16.51 mm
	SMC-6HF6015S	SMTC-0167	
	SMC-7HF6015S	SMTC-1167	
	SMC-8HF6015S		
	SMC-9HF6015S	SMTC-8167	
	SMC-5HF0020V		Rework Concave Hoof Cartridge - For Drag Soldering SOICs/QFPs, (Bevel/L) 60° x 3.82 mm (ø x L) 1.91 x 11.6 mm
	SMC-6HF0020V	SMTC-0185	
	SMC-7HF0020V	SMTC-1185	
	SMC-8HF0020V		
	SMC-9HF0020V		
	SMC-5HF6020S		Rework Hoof Cartridge - For Drag Soldering SOICs/QFPs, (Bevel/L) 60° x 4.06 mm, (ø x L) 2.03 x 15.24 mm
	SMC-6HF6020S	SMTC-0169	
	SMC-7HF6020S	SMTC-1169	
	SMC-8HF6020S		
	SMC-9HF6020S	SMTC-8169	
	SMC-5HF0030V		Rework Concave Hoof Cartridge - For Drag Soldering SOICs/QFPs, (Bevel/L) 60° x 6 mm, (ø x L) 3.0 x 11.6 mm
	SMC-6HF0030V	SMTC-0186	
	SMC-7HF0030V	SMTC-1186	
	SMC-8HF0030V		
	SMC-9HF0030V		
	SMC-5HF6033S	SMTC-5147	Rework Hoof Cartridge - For Drag Soldering SOICs/QFPs, (Bevel/L) 60° x 6.6 mm, long reach, (ø x L) 3.3 x 17.78 mm
	SMC-6HF6033S	SMTC-0147	
	SMC-7HF6033S	SMTC-1147	
	SMC-8HF6033S		
	SMC-9HF6033S	SMTC-8147	
Special Rework Cartridges	CV Series	MX Series	
	SMC-5HK0005S	SMTC-5172	Hook, for fine drag and point-to-point soldering on contacts from J-lead components, Bend 30°, (ø x L) 0.51 x 15.24 mm
	SMC-6HK0005S	SMTC-0172	
	SMC-7HK0005S	SMTC-1172	
	SMC-8HK0005S		
	SMC-9HK0005S	SMTC-8172	
Rework Knife Cartridges	CV Series	MX Series	
	SMC-5KN0025S		Rework Knife Cartridge - For Multi-Lead Soldering of PLCCs/SOJs, 45° angled, tinned area length 2.03 mm (W x L) 2.0 x 12.38 mm
	SMC-6KN0025S	SMTC-0165	
	SMC-7KN0025S	SMTC-1165	
	SMC-8KN0025S		
	SMC-9KN0025S		
	SMC-5KN0048S	SMTC-5161	Rework Knife Cartridge - For Multi-Lead Soldering of PLCCs/SOJs, 45° angled, tinned area length 2.03 mm (W x L) 4.83 x 16.51 mm
	SMC-6KN0048S	SMTC-0161	
	SMC-7KN0048S	SMTC-1161	
	SMC-8KN0048S		
	SMC-9KN0048S		
	SMC-5KN0048W	SMTC-5173	Rework Knife Cartridge - For Multi-Lead Soldering of PLCCs/SOJs, 45° angled, tinned area length 5.84 mm (W x L) 4.83 x 16.51 mm
	SMC-6KN0048W	SMTC-0173	
	SMC-7KN0048W	SMTC-1173	
	SMC-8KN0048W		
	SMC-9KN0048W	SMTC-8173	

## Temperature Guide & Tip Specifications UFC/UFTC Series

Max Temperature	CV-Series	MX-Series	Application
675°F/357°C	UFC-6	UFTC-6	Temperature Sensitive
775°F/413°C	UFC-7	UFTC-7	Most Standard
Compatible with:	Systems: CV-500, CV-5200 Handpieces: CV-H2-UF	Systems: MX-500, MX-5000, MX-5200 Handpieces: MX-H2-UF	

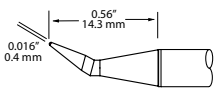
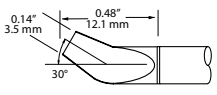

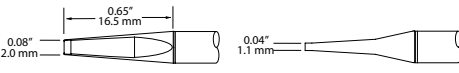

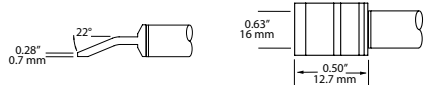

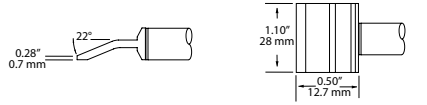
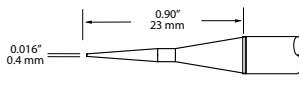
Please note the above temperatures are the maximum temperatures of the heater. The idle temperature is dependent on the geometry of the cartridge (up to 15°C lower)

UltraFine Chisel Cartridge	CV Series	MX Series	
	UFC-6CH5106S	UFTC-6CH06	(W x L) 0.6 mm x 5.1 mm
	UFC-7CH5106S	UFTC-7CH06	
	UFC-6CH9006S	UFTC-6CHL06	Long reach, (W x L) 0.6 mm x 9 mm
	UFC-7CH9006S	UFTC-7CHL06	
	UFC-6CH5108S	UFTC-6CH08	(W x L) 0.8 mm x 5.1 mm
	UFC-7CH5108S	UFTC-7CH08	
	UFC-6CH9008S	UFTC-6CHL08	Long reach, (W x L) 0.8 mm x 9 mm
	UFC-7CH9008S	UFTC-7CHL08	
	UFC-6CH5112S	UFTC-6CH12	(W x L) 1.2 mm x 5.1 mm
	UFC-7CH5112S	UFTC-7CH12	
UltraFine Conical Cartridge	CV Series	MX Series	
	UFC-6CN5101S	UFTC-6CN01	(ø x L) 0.13 mm x 5.1 mm
	UFC-7CN5101S	UFTC-7CN01	
	UFC-6CN5102S	UFTC-6CN02	(ø x L) 0.2 mm x 5.1 mm
	UFC-7CN5102S	UFTC-7CN02	
	UFC-6CN5502R	UFTC-6CNB02	Bent 30°, for work under a microscope, (ø x L) 0.2 mm x 5.5 mm
	UFC-7CN5502R	UFTC-7CNB02	
	UFC-6CN5504S	UFTC-6CN04	0.4 mm x 5.1 mm
	UFC-7CN5504S	UFTC-7CN04	
	UFC-6CN5504R	UFTC-6CNB04	Bent 30°, for work under a microscope, 0.4 mm x 5.6 mm
	UFC-7CN5504R	UFTC-7CNB04	
	UFC-6CN8004S	UFTC-6CNL04	For work in tight spaces, long reach, 0.4 mm x 8.0 mm
	UFC-7CN8004S	UFTC-7CNL04	
UltraFine Rework Hoof-Cartridges	CV Series	MX Series	
	UFC-6HF5108S	UFTC-6DRH408	UltraFine Rework Micro Hoof Cartridge - For Drag Soldering SOICs/QFPs, (Bevel/L) 45° x 1.13 mm, (ø x L) 0.8 mm x 5.1 mm
	UFC-7HF5108S	UFTC-7DRH408	
	UFC-6HF5112S	UFTC-6DRH412	UltraFine Rework Micro Hoof Cartridge - For Drag Soldering SOICs/QFPs, (Bevel/L) 45° x 1.71 mm, (ø x L) 1.21 mm x 5.1 mm
	UFC-7HF5112S	UFTC-7DRH412	

## Temperature Guide & Tip Specifications PTC/PTTC Series

Max Temperature	CV-Series	MX-Series	Application
675°F/357°C	PTC-6	PTTC-6	Temperature Sensitive
775°F/413°C	PTC-7	PTTC-7	Most Standard
875°F/468°C	PTC-8		Ceramic and High Thermal Demand
950°F/510°C	PTC-9	PTTC-8	
Compatible with:	Systems: MX-500, MX-5000, MX-5200, CV-5200 Handpieces: MX-PTZ, CV-H4-PTZ	Systems: MX-500, MX-5000, MX-5200 Handpieces: MX-PTZ	

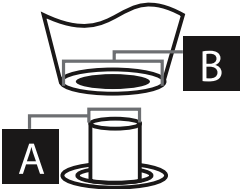

Please note the above temperatures are the maximum temperatures of the heater. The idle temperature is dependent on the geometry of the cartridge (up to 15°C lower)

Bent	CV Series	MX Series	
	PTC-6CN1404A		Conical, Bent 30°, (Ø x L) 0.4 mm x 14.3 mm (0.016" x 0.56"), sold per pair
	PTC-7CN1404A	PTTC-701B	
	PTC-8CN1404A		
	PTC-9CN1404A	PTTC-801B	
	PTC-6FB1235R	PTTC-608B	Bent 30°, Blade, (W x L) 3.2 mm x 12.1 mm (0.14" x 0.48"), sold per pair
	PTC-7FB1235R	PTTC-708B	
	PTC-8FB1235R		
	PTC-9FB1235R	PTTC-808B	
Blade	CV Series	MX Series	
	PTC-6CH1713A	PTTC-602	Blade, (W x L), 1.27 mm x 16.5 mm (0.05" x 0.65"), sold per pair
	PTC-7CH1713A	PTTC-702	
	PTC-8CH1713A		
	PTC-9CH1713A	PTTC-802	
	PTC-6CH1720A	PTTC-603	Blade, (W x L) 2 mm x 16.5 mm (0.08" x 0.65"), sold per pair
	PTC-7CH1720A	PTTC-703	
	PTC-8CH1720A		
	PTC-9CH1720A	PTTC-803	
	PTC-6BL1306R	PTTC-604	Blade, (W x L) 6.35 mm x 12.7 mm (0.25" x 0.5"), sold per pair
	PTC-7BL1306R	PTTC-704	
	PTC-8BL1306R		
	PTC-9BL1306R	PTTC-804	
	PTC-6BL1316R	PTTC-605	Blade, (W x L) 15.75 mm x 12.7 mm (0.63" x 0.5"), sold per pair
	PTC-7BL1316R	PTTC-705	
	PTC-8BL1316R		
	PTC-9BL1316R	PTTC-805	
	PTC-6BL1321R	PTTC-606	Blade, (W x L) 20.6 mm x 12.7 mm (0.81" x 0.5"), sold per pair
	PTC-7BL1321R	PTTC-706	
	PTC-8BL1321R		
	PTC-9BL1321R	PTTC-806	
	PTC-6BL1328R	PTTC-607	Blade, (W x L) 28 mm x 12.7 mm (1.1" x 0.5"), sold per pair
	PTC-7BL1328R	PTTC-707	
	PTC-8BL1328R		
	PTC-9BL1328R	PTTC-807	
Conical	CV Series	MX Series	
	PTC-6CN2304A	PTTC-601	Conical, (Ø x L) 0.4 mm x 19 mm (0.016" x 0.7"), sold per pair
	PTC-7CN2304A	PTTC-701	
	PTC-8CN2304A		
	PTC-9CN2304A	PTTC-801	

## Temperature Guide & Tip Specifications DSC/STDC Series

Max Temperature	CV-Series	MX-Series	Application
675°F/357°C	DSC-6	STDC-0	Temperature Sensitive
775°F/413°C	DSC-7	STDC-1 / 7xxL	Most Standard
875°F/468°C	DSC-8		Ceramic and High Thermal Demand
950°F/510°C	DSC-9	STDC-8	
Compatible with:	Systems: MX-500, MX-5000, MX-5200, CV-500, CV-5200 Handpieces: MX-DS1, CV-H5-DS	Systems: MX-500, MX-5000, MX-5200 Handpieces: MX-DS1	DSC-xxxA / STDC-xxxL = Long Reach Desolder Cartridge to remove components from high density packed PCBs.

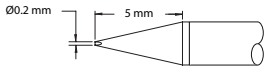
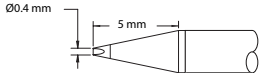
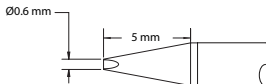
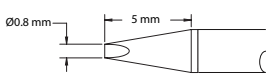
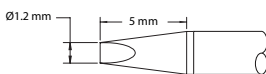
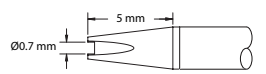
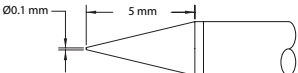
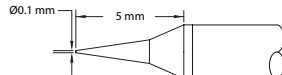
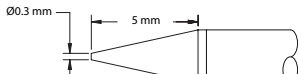
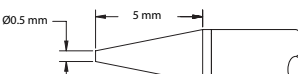
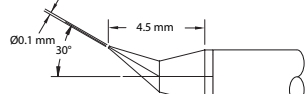
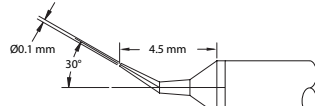
Please note the above temperatures are the maximum temperatures of the heater. The idle temperature is dependent on the geometry of the cartridge (up to 15°C lower) These tips will provide data via the CV series power supplies, but due to the nature of their application the Connection Validation™ function is not required and therefore not enabled.

Standard	CV Series	MX Series	A	B	C
	DSC-6CN0006S	STDC-002	0.64 mm	1.40 mm	11.43 mm
	DSC-7CN0006S	STDC-102			
	DSC-8CN0006S				
	DSC-9CN0006S	STDC-802			
	DSC-6CN0008S	STDC-003	0.76 mm	1.68 mm	11.17 mm
	DSC-7CN0008S	STDC-103			
	DSC-8CN0008S				
	DSC-9CN0008S	STDC-803			
	DSC-6CN0010S	STDC-004	1.02 mm	1.78 mm	10.92 mm
	DSC-7CN0010S	STDC-104			
	DSC-8CN0010S				
	DSC-9CN0010S	STDC-804			
DSC-6CN0013S	STDC-005	1.27 mm	2.03 mm	10.66 mm	
DSC-7CN0013S	STDC-105				
DSC-8CN0013S					
DSC-9CN0013S	STDC-805				
DSC-6CN0015S	STDC-006	1.52 mm	2.29 mm	10.41 mm	
DSC-7CN0015S	STDC-106				
DSC-8CN0015S					
DSC-9CN0015S	STDC-806				
DSC-6CN0024S	STDC-007	2.41 mm	3.18 mm	9.14 mm	
DSC-7CN0024S	STDC-107				
DSC-8CN0024S					
DSC-9CN0024S	STDC-807				
Long Reach	CV Series	MX Series	A	B	C
	DSC-6CN0008A		0.76 mm	1.68 mm	21.33 mm
	DSC-7CN0008A	STDC-703L			
	DSC-8CN0008A				
	DSC-9CN0008A	STDC-803L			
	DSC-6CN0010A		1.02 mm	1.79 mm	21.08 mm
	DSC-7CN0010A	STDC-704L			
	DSC-8CN0010A				
	DSC-9CN0010A	STDC-804L			
	DSC-6CN0013A		1.27 mm	2.03 mm	20.82 mm
	DSC-7CN0013A	STDC-705L			
DSC-8CN0013A					
DSC-9CN0013A	STDC-805L				

## Temperature Guide & Tip Specifications MFTC & MFT Series

Max Temperature	MicroFine Handpiece	MicroFine Tweezers	Application
675°F/357°C	MFTC-6	MFT-6	Temperature-sensitive applications
775°F/413°C	MFTC-7	MFT-7	Most general applications
Compatible with:	MX-500, MX-5000, MX-5200, CV-500, CV-5200, MX-H9-MFH & CV-H9-MFH Handpieces	MX-500, MX-5000, MX-5200, CV-500, CV-5200, MX-H10-MFT & CV-H10-MFT Tweezers	

Please note the above temperatures are the maximum temperatures of the heater. The idle temperature is dependent on the geometry of the cartridge (up to 15°C lower)

MicroFine Cartridge - Chisel	MX & CV	
	MFTC-6CH5002 MFTC-7CH5002	0.2 mm x 5 mm
	MFTC-6CH5004 MFTC-7CH5004	0.4 mm x 5 mm
	MFTC-6CH5006 MFTC-7CH5006	0.6 mm x 5 mm
	MFTC-6CH5008 MFTC-7CH5008	0.8 mm x 5 mm
	MFTC-6CH5012 MFTC-7CH5012	1.2 mm x 5 mm
	MFTC-6CC5007 MFTC-7CC5007	Chisel Slot, 0.7 mm x 5 mm x 1 mm
MicroFine Cartridge - Conical	MX & CV	
	MFTC-6CN5001 MFTC-7CN5001	0.1 mm x 5 mm
	MFTC-6CNR5001 MFTC-7CNR5001	Conical Reach, 0.1 mm x 5 mm
	MFTC-6CN5003 MFTC-7CN5003	0.3 mm x 5 mm
	MFTC-6CN5005 MFTC-7CN5005	0.5 mm x 5 mm
	MFTC-6CNB4501 MFTC-7CNB4501	Conical Bent, 0.1 mm x 4.5 mm
	MFTC-6CNBR4501 MFTC-7CNBR4501	Conical Bent Reach, 0.1 mm x 4.5 mm

# MFTC & MFT MicroFine Cartridges



MicroFine Cartridge - Conical	MX & CV	
	<p>MFTC-6CNB5602 MFTC-7CNB5602</p>	Conical Bent, 0.2 mm x 5.6 mm
	<p>MFTC-6CNB4503 MFTC-7CNB4503</p>	Conical Bent, 0.3 mm x 4.5 mm
	<p>MFTC-6CNB4505 MFTC-7CNB4505</p>	Conical Bent, 0.5 mm x 4.5 mm
MicroFine Cartridge - Hoof	MX & CV	
	<p>MFTC-6HF5006 MFTC-7HF5006</p>	Hoof, 0.6 mm x 5 mm
MicroFine Tweezer Cartridges - Chisel	MX & CV	
	<p>MFT-6CH9006 MFT-7CH9006</p>	0.6 mm x 9 mm Sold per pair
	<p>MFT-6CH9008 MFT-7CH9008</p>	0.8 mm x 9 mm Sold per pair
MicroFine Tweezer Cartridges - Power Wedge Blade	MX & CV	
	<p>MFT-6PW5403 MFT-7PW5403</p>	0.3 mm x 5.4 mm Sold per pair
MicroFine Tweezer Cartridges - Conical Bent	MX & CV	
	<p>MFT-6CNB5604 MFT-7CNB5604</p>	0.4 mm x 5.6 mm Sold per pair
	<p>MFT-6CNB6802 MFT-7CNB6802</p>	0.2 mm x 6.8 mm Sold per pair



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