



METCAL®



Complete Soldering Cartridge & Tip Guide



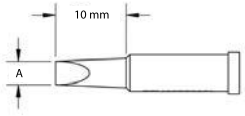
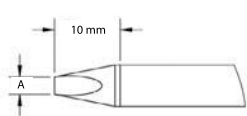
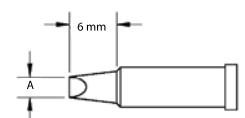
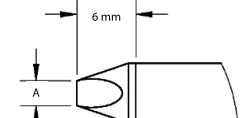
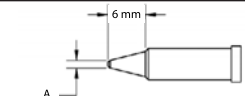
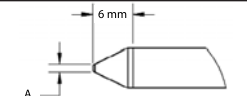
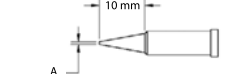
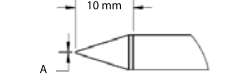
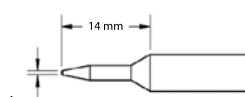
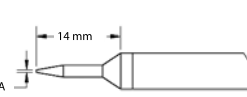
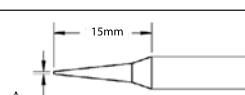
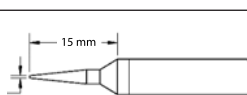
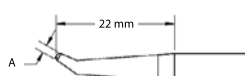
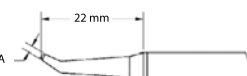
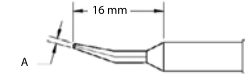
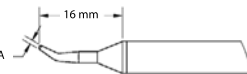
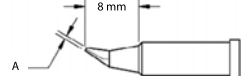
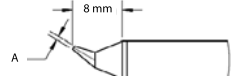
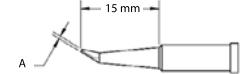
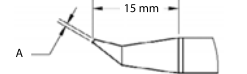

METCAL®

Complete Soldering Cartridge & Tip Guide

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In the Appendix, you will find tips and cartridges sorted by application, cartridge/tip series, and handpiece

Chisels		GT90	GT120		
GT4	GT6/GTC	GT4 - Tip	GT6 - Tip	GTC - Cartridge	Dimension A x Length
		GT4-CH0010S	GT6-CH0010S	GTC-CH0010S	1.0 mm x 10.0 mm
		GT4-CH0014S	GT6-CH0014S	GTC-CH0014S	1.4 mm x 10.0 mm
		GT4-CH0018S	GT6-CH0018S	GTC-CH0018S	1.8 mm x 10.0 mm
		GT4-CH0025S	GT6-CH0025S	GTC-CH0025S	2.5 mm x 10.0 mm
		GT4-CH0032S	GT6-CH0032S	GTC-CH0032S	3.2 mm x 10.0 mm
		GT4-CH0040S	GT6-CH0040S	GTC-CH0040S	4.0 mm x 10.0 mm
			GT6-CH0050S	GTC-CH0050S	5.0 mm x 10.0 mm
			GT6-CH0060S	GTC-CH0060S	6.0 mm x 10.0 mm
		GT4-CH0010P	GT6-CH0010P	GTC-CH0010P	Power, 1.0 mm x 10.0 mm
		GT4-CH0014P	GT6-CH0014P	GTC-CH0014P	Power, 1.4 mm x 10.0 mm
		GT4-CH0018P	GT6-CH0018P	GTC-CH0018P	Power, 1.8 mm x 10.0 mm
		GT4-CH0025P	GT6-CH0025P	GTC-CH0025P	Power, 2.5 mm x 10.0 mm
		GT4-CH0032P	GT6-CH0032P	GTC-CH0032P	Power, 3.2 mm x 10.0 mm
		GT4-CH0040P	GT6-CH0040P	GTC-CH0040P	Power, 4.0 mm x 10.0 mm
			GT6-CH0050P	GTC-CH0050P	Power, 5.0 mm x 10.0 mm
			GT6-CH0060S	GTC-CH0060S	Power, 6.0 mm x 10.0 mm
		GTC-CH0070P	Power, 7.0 mm x 10.0 mm		
Conicals		GT90	GT120		
		GT4-CN0005P	GT6-CN0005P	GTC-CN0005P	Power, (Ø x L) 0.5 mm x 6.0 mm
		GT4-CN0010P	GT6-CN0010P	GTC-CN0010P	Power, (Ø x L) 1.0 mm x 6.0 mm
		GT4-CN0005S	GT6-CN0005S	GTC-CN0005S	(Ø x L) 0.5 mm x 10.0 mm
		GT4-CN0005A	GT6-CN0005A	GTC-CN0005A	Access, (Ø x L) 0.5 mm x 14.0 mm
		GT4-CN0010A	GT6-CN0010A	GTC-CN0010A	Access, (Ø x L) 1.0 mm x 14.0 mm
		GT4-CN1502A	GT6-CN1502A	GTC-CN1502A	Sharp, (Ø x L) 0.2 mm x 15.0 mm
		GT4-CN1505A	GT6-CN1505A	GTC-CN1505A	Sharp, (Ø x L) 0.5 mm x 15.0 mm
		GT4-CN2213R	GT6-CN2213R	GTC-CN2213R	Bent, Reach, (Ø x L) 1.3 mm x 22.0 mm
		GT4-CN1608R	GT6-CN1608R	GTC-CN1608R	Bent, Access, (Ø x L) 0.8 mm x 16.0 mm
		GT4-CN0002R	GT6-CN0002R	GTC-CN0002R	Bent, (Ø x L) 0.2 mm x 8.0 mm
		GT4-CN0004R	GT6-CN0004R	GTC-CN0004R	Bent, (Ø x L) 0.4 mm x 8.0 mm
		GT4-CN1505R	GT6-CN1505R	GTC-CN1505R	Bent, Reach (Ø x L) 0.5 mm x 15.0 mm
		GT4-CN0002S	--	--	Sharp (Ø x L) 0.2 mm x 10.0 mm

GT Tips & Cartridges

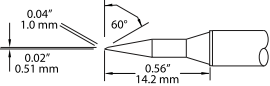
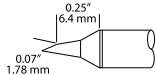
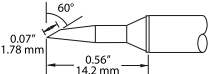
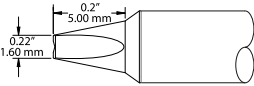
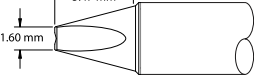
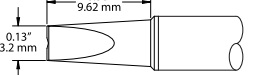
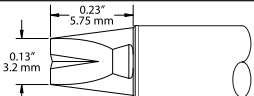
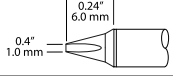
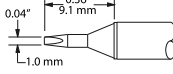
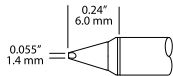
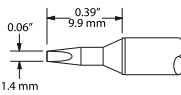
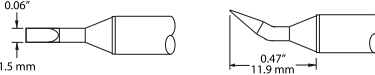


Knife		GT90	GT120		
GT4	GT6/GTC	GT4 - Tip	GT6 - Tip	GTC - Cartridge	Dimension A x Length
		GT4-KN0025S	GT6-KN0025S	GTC-KN0025S	2.5 mm x 16.0 mm, 45°
		GT4-KN0040S	--	--	4.0 mm x 16.0 mm, 45°
		--	GT6-KN0050S	GTC-KN0050S	5.0 mm x 16.0 mm, 45°
		GT4-KN0025P	GT4-KN0025P	GTC-KN0025P	Power, 2.5 mm x 13.0 mm, 45°
		GT4-KN0040P	--	--	Power, 4.0 mm x 13.0 mm, 45°
		--	GT4-KN0050P	GTC-KN0050P	Power, 5.0 mm x 13.0 mm, 45°
		GT4-KN0040PP	--	--	Xtra Power, 4.0 mm x 13.0 mm, 45°
		--	GT6-KN0050PP	GTC-KN0050PP	Xtra Power, 5.0 mm x 13.0 mm, 45°
		--	--	GTC-KN0080PP	Xtra Power, 8.0 mm x 13.0 mm, 45°
Hoof		GT90	GT120		
		GT4-HF6010S	GT6-HF6010S	GTC-HF6010S	(Bevel/L) 60° x 2.0, (Ø x L) 1.0 mm x 16.0 mm
		GT4-HF6015S	GT6-HF6015S	GTC-HF6015S	(Bevel/L) 60° x 3.0, (Ø x L) 1.5 mm x 16.0 mm
		GT4-HF6020S	GT6-HF6020S	GTC-HF6020S	(Bevel/L) 60° x 4.0, (Ø x L) 2.0 mm x 16.0 mm
		GT4-HF6030S	GT6-HF6030S	GTC-HF6030S	(Bevel/L) 60° x 6.0, (Ø x L) 3.0 mm x 16.0 mm
		--	GT6-HF6040S	GTC-HF6040S	(Bevel/L) 60° x 8.0, (Ø x L) 4.0 mm x 16.0 mm
		GT4-HF6010V	GT6-HF6010V	GTC-HF6010V	Concave, (Bevel/L) 60° x 2.1 mm (Ø x L) 1.0 mm x 12.0 mm
		GT4-HF6015V	GT6-HF6015V	GTC-HF6015V	Concave, (Bevel/L) 60° x 3.1 mm (Ø x L) 1.5 mm x 12.0 mm
		GT4-HF6020V	GT6-HF6020V	GTC-HF6020V	Concave, (Bevel/L) 60° x 4.1 mm (Ø x L) 2.0 mm x 12.0 mm
		GT4-HF6030V	GT6-HF6030V	GTC-HF6030V	Concave, (Bevel/L) 60° x 6.1 mm (Ø x L) 3.0 mm x 12.0 mm
		GT4-HF3025V	GT6-HF3025V	GTC-HF3025V	Bent 30°, (Bevel/L) 30° x 3.0 mm (Ø x L) 2.5 mm x 16.0 mm
		GT4-HF4521S	--	--	(Bevel/L) 45° x 2.5, (Ø x L) 2.1 mm x 12.0 mm
		GT4-HF4532S	--	--	(Bevel/L) 45° x 4.0, (Ø x L) 3.2 mm x 12.0 mm
		GT4-HF4532S	--	--	

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	

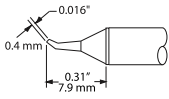
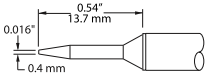
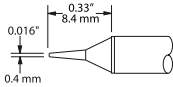
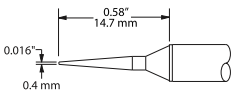
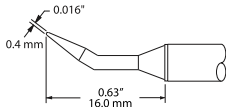
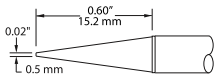
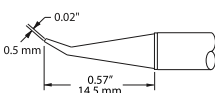
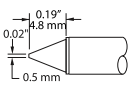
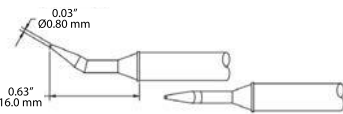
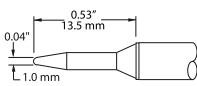
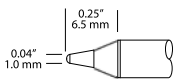
Please note the above temperatures are the maximum temperatures of the heater. The idle temperature is dependent on the geometry of the cartridge (up to 15°C lower)

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-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-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		
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-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-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-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-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-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-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-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-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

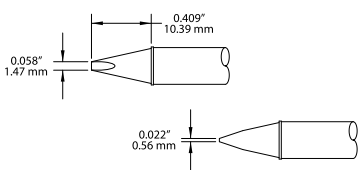
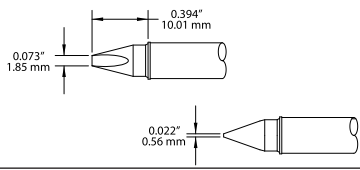
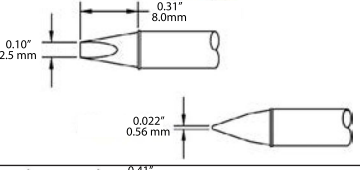
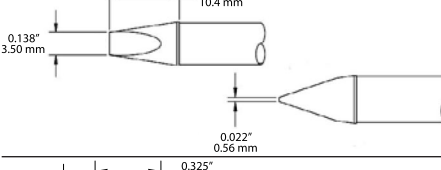
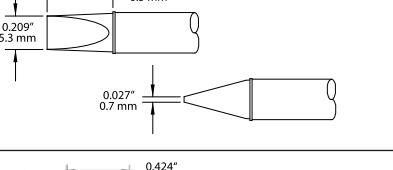
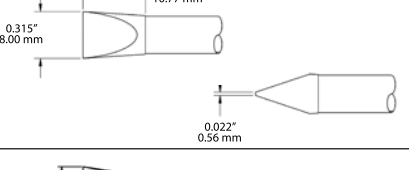
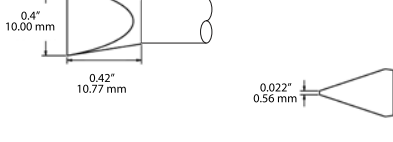


U-Groove Cartridges	CV Series	MX Series	
	CVC-5UG1808S		1.8 mm x 0.8 mm
	CVC-6UG1808S		
	CVC-7UG1808S		
	CVC-8UG1808S		
	CVC-9UG1808S		
	CVC-5UG3015S		3 mm x 1.5 mm
	CVC-6UG3015S		
	CVC-7UG3015S		
	CVC-8UG3015S		
	CVC-9UG3015S		
	CVC-5UG3925S		3.9 mm x 1.5 mm
	CVC-6UG3925S		
	CVC-7UG3925S		
	CVC-8UG3925S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



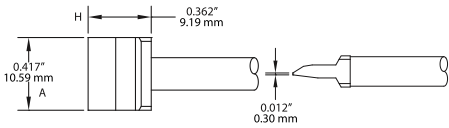
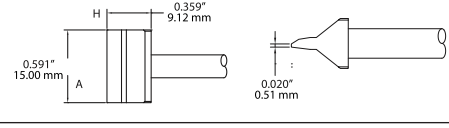
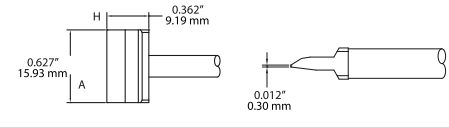
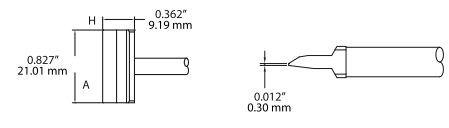
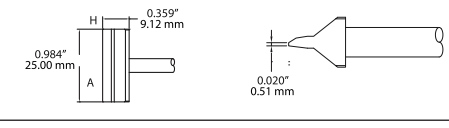
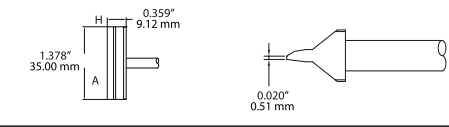
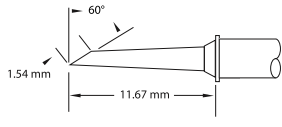
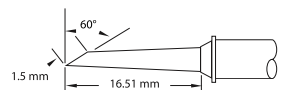
High Thermal Demand - V Groove Chisels	CV Series	MX Series	
	HCV-7VG0025S	—	V-Groove Chisel for pin soldering, Groove (W x L) 1.0 mm x 2.8 mm, (W x L) 2.5 mm x 8.3 mm
	HCV-8VG0025S		
	HCV-9VG0025S		
	HCV-7VG0053S	HTC-7VG0053S	V-Groove Chisel for pin soldering, Groove (W x L) 1.0 mm x 4 mm, (W x L) 5.3 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	Systems: MX-500, MX-5000, MX-5200 Handpieces: MX-RM3E, MX-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-9BL0015H	SMTC-8BL150	
	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-9BL0022S	SMTC-862	
	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-9BL0035H	SMTC-8BL350	
Rework Hoof Cartridges	CV Series	MX Series	
	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

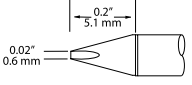
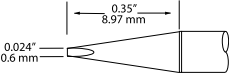
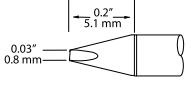
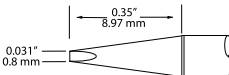
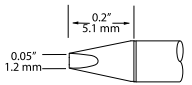
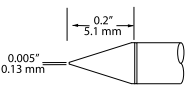
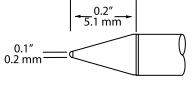
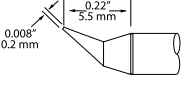
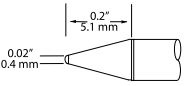
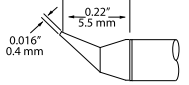
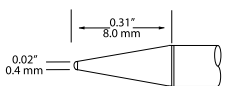
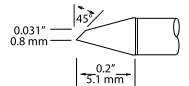
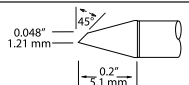


Rework Hoof Cartridges	CV Series	MX Series	
	SMC-5HF0015V		Rework Hoof Cartridge - For Drag Soldering SOICs/QFPs, (Bevel/L) 60° x 3 mm, (ø x L) 1.5 x 11.6 mm
	SMC-6HF0015V	SMTC-0184	
	SMC-7HF0015V	SMTC-1184	
	SMC-8HF0015V		
	SMC-9HF0015V		
	SMC-5HF6015S		Rework Hoof Cartridge - For Drag Soldering SOICs/QFPs, (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	

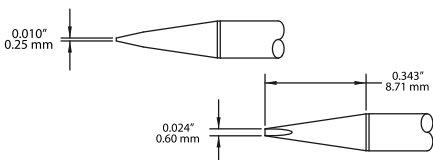
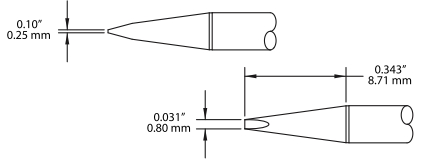
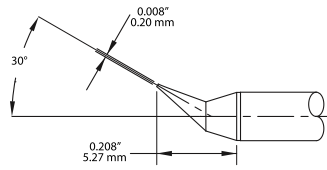
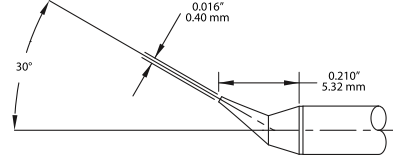
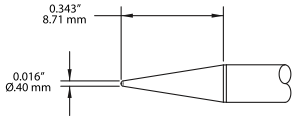
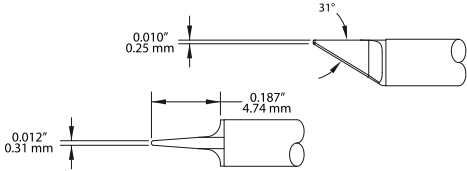
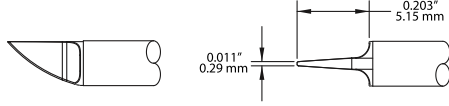
Please note the above temperatures are the maximum temperatures of the heater. The idle temperature is dependent on the geometry of the cartridge (up to 15°C lower)

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	

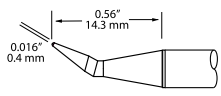
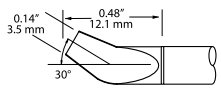
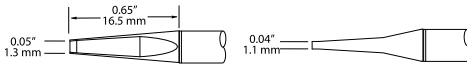
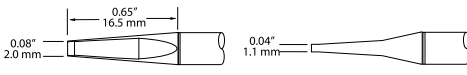

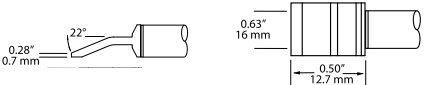

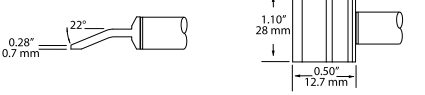
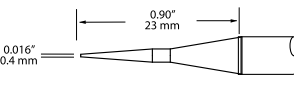
Temperature Guide & Tip Specifications UFT Series

Max Temperature	CV-Series	Application
675°F/357°C	UFT-6	Temperature Sensitive
775°F/413°C	UFT-7	Most Standard
Compatible with:	Systems: CV-500, CV5200 Handpieces: CV-H4-UFT	

Please note the above temperatures are the maximum temperatures of the heater. The idle temperature is dependent on the geometry of the cartridge. These tips will provide data via the CV power supplies, but due to the nature of their application the Connection Validation™ function is not required and therefore not enabled. All tweezer cartridges are sold per pair.

UltraFine Tweezer Cartridge - Chisel	CV Series	
	UFT-6CH9006S	(W x L) 0.6 mm x 8.71 mm, sold per pair
	UFT-7CH9006S	
	UFT-6CH9008S	(W x L) 0.8 mm x 8.71 mm, sold per pair
	UFT-7CH9008S	
UltraFine Tweezer Cartridge - Conical	CV Series	
	UFT-6CN5502R	Conical, Bent, for work under a microscope, (ø x L) 0.2 mm x 5.27 mm, sold per pair
	UFT-7CN5502R	
	UFT-6CN5504R	Conical, Bent, for work under a microscope, (ø x L) 0.4 mm x 5.3 mm, sold per pair
	UFT-7CN5504R	
	UFT-6CN8004S	Conical (ø x L) 0.4 mm x 8.7 mm, sold per pair
	UFT-7CN8004S	
UltraFine Tweezer Cartridge - Power Wedge	CV Series	
	UFT-6PW3150S	Power Wedge, two-way use, tip and long side, (ø x L) 0.31 mm x 4.74 mm, sold per pair
	UFT-7PW3150S	
	UFT-6PW2954C	Power Wedge, two-way use, tip and long side, (ø x L) 0.29 mm x 5.15 mm, sold per pair
	UFT-7PW2954C	




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 0.05"), 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 form high density packed PCBs.

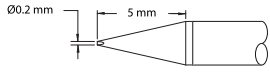
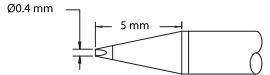
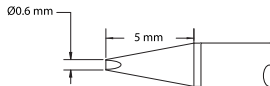
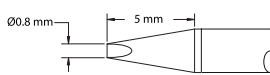
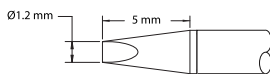
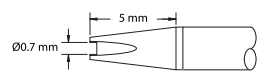
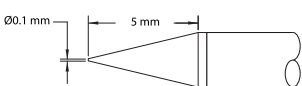
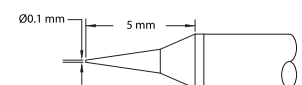
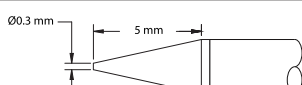
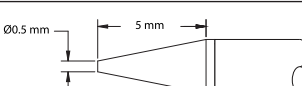
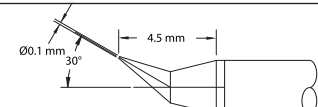
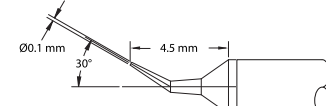
Please note the above temperatures are the maximum temperatures of the heater. The idle temperature is dependent on the geometry of the cartridge (up to 15°C lower) These tips will provide data via the CV series power supplies, but due to the nature of their application the Connection Validation™ function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

Standard	CV Series	MX Series	A	B	C
  Standard	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
 Long Reach	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

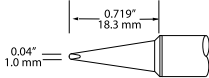
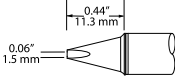
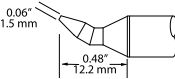
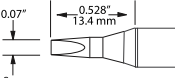
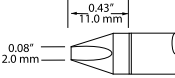
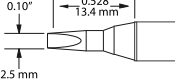
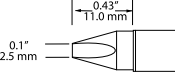
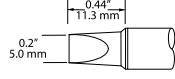
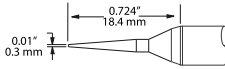
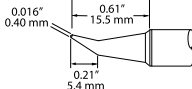
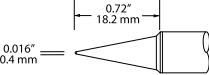
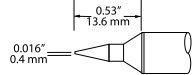


MicroFine Cartridge - Conical	MX & CV	
	MFTC-6CNB5602 MFTC-7CNB5602	Conical Bent, 0.2 mm x 5.6 mm
	MFTC-6CNB4503 MFTC-7CNB4503	Conical Bent, 0.3 mm x 4.5 mm
	MFTC-6CNB4505 MFTC-7CNB4505	Conical Bent, 0.5 mm x 4.5 mm
MicroFine Cartridge - Hoof	MX & CV	
	MFTC-6HF5006 MFTC-7HF5006	Hoof, 0.6 mm x 5 mm
MicroFine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

Temperature Guide & Tip Specifications SxV Series

Max Temperature	PS and MFR-Series	Application
690°F/366°C	STV	Temperature Sensitive
790°F/421°C	SFV	Fiberglass, Most Standard
880°F/471°C	SCV	Ceramic and High Thermal Demand
	Compatible with: PS-900, MFR-1120, MFR-2220, MFR-2222 Systems, PS-HC3, MFR-H2-ST and MFR-H2-ST2 Handpieces, PS-CA3, MFR-CA2 and MFR-CA3 Coil Assemblies.	

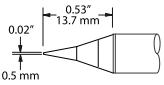
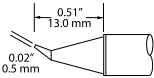
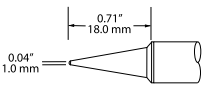
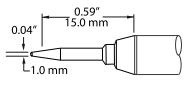
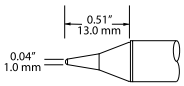
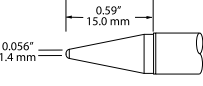
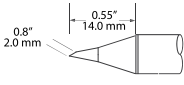
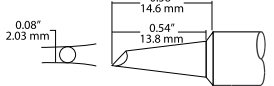
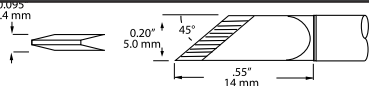
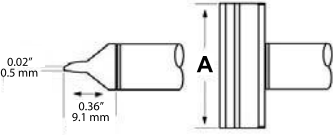
Please note the above temperatures are the maximum temperatures of the heater. The idle temperature is dependent on the geometry of the cartridge (up to 15°C lower)

Chisel	PS-900 & MFR Series	
	SFV-CH10A	Chisel, (W x L), 1.0 mm x 18.3 mm (0.04" x 0.72")
	STV-CH10A	
	SCV-CH10A	
	SFV-CH15A	Chisel, (W x L), 1.5 mm x 11.3 mm (0.06" x 0.44")
	STV-CH15A	
	SCV-CH15A	
	SFV-CHB15	Chisel, Bent, (W x L), 1.5 mm x 12.2 mm (0.06" x 0.48")
	STV-CHB15	
	SCV-CHB15	
	SFV-CH18AR	Chisel, (W x L), 1.8 mm x 13.4 mm (0.07" x 0.53")
	STV-CH18AR	
	SCV-CH18AR	
	SFV-CH20	Chisel, (W x L), 2.0 mm x 11.0 mm (0.08" x 0.43")
	STV-CH20	
	SCV-CH20	
	SFV-CH25AR	Chisel, (W x L), 2.5 mm x 13.4 mm (0.10" x 0.53")
	STV-CH25AR	
	SCV-CH25AR	
	SFV-CH25	Chisel, (W x L), 2.5 mm x 11.0 mm (0.10" x 0.43")
	STV-CH25	
	SCV-CH25	
	SFV-CH50A	Chisel, (W x L), 5.0 mm x 11.3 mm (0.20" x 0.44")
	STV-CH50A	
	SCV-CH50A	
Conical	PS-900 & MFR Series	
	SFV-CNL03AR	Conical, (Ø x L), Long Reach 0.3 mm x 18.4 mm (0.01" x 0.72")
	STV-CNL03AR	
	SCV-CNL03AR	
	SFV-CNB04A	Conical, (Ø x L), Bent 0.4 mm x 15.5 mm (0.016" x 0.61")
	STV-CNB04A	
	SCV-CNB04A	
	SFV-CN05A	Conical, (Ø x L), 0.4 mm x 18.2 mm (0.016" x 0.72")
	STV-CN05A	
	SCV-CN05A	
	SFV-CNL04	Conical, (Ø x L), 0.4 mm x 13.6 mm (0.016" x 0.53")
	STV-CNL04	
	SCV-CNL04	

Temperature Guide & Tip Specifications SxV & CxV-Series

Max Temperature	PS and MFR-Series	Application
690°F/366°C	STV & CTV	Temperature Sensitive
790°F/421°C	SFV & CFV	Fiberglass, Most Standard
880°F/471°C	SCV & CCV	Ceramic and High Thermal Demand
	Compatible with: PS-900, MFR-1120, MFR-2220, MFR-2222 Systems, PS-HC3, MFR-H2-ST and MFR-H2-ST2 Handpieces, PS-CA3, MFR-CA2 and MFR-CA3 Coil Assemblies.	

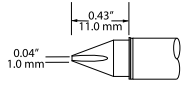
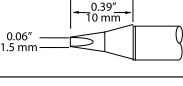
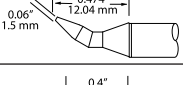
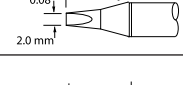

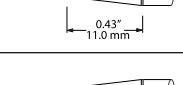
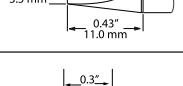

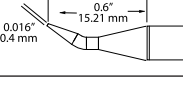
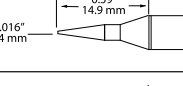
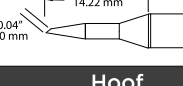
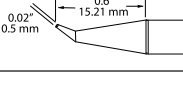
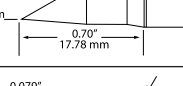
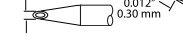
Please note the above temperatures are the maximum temperatures of the heater. The idle temperature is dependent on the geometry of the cartridge (up to 15°C lower.)

Conical	PS-900 & MFR Series	
	SFV-CN05AR STV-CN05AR SCV-CN05AR	Conical, (Ø x L), 0.5 mm x 13.7 mm (0.02" x 0.53")
	SFV-CNB05 STV-CNB05 SCV-CNB05	Conical, Bent, (Ø x L), 0.5 mm x 13 mm (0.02" x 0.51")
	SFV-CNL10A STV-CNL10A SCV-CNL10A	Conical, Long Reach, (Ø x L), 1.0 mm x 18 mm (0.04" x 0.71")
	SFV-CNL10AR STV-CNL10AR SCV-CNL10AR	Conical, Long Reach, (Ø x L), 1.0 mm x 13.7 mm (0.04" x 0.54")
	SFV-CNL10 STV-CNL10 SCV-CNL10	Conical, Long Reach, (Ø x L), 1.0 mm x 13 mm (0.04" x 0.51")
	SFV-CNL14 STV-CNL14 SCV-CNL14	Conical, Long Reach, (Ø x L), 1.4 mm x 15 mm (0.056" x 0.59")
	SFV-DRH20 STV-DRH20 SCV-DRH20	Conical, Bevel, 60° x 2 mm (Ø x L), 1 mm x 14 mm (0.04" x 0.55")
	SFV-WV20 STV-WV20 SCV-WV20	Rework Hoof-Cartridge - For Drag Soldering SOICs/QFPs, Concave Wave Hoof, Bevel 45°, (Ø x L), 2.0 mm x 13.8 mm (0.08" x 0.54")
Knife	PS-900 & MFR Series	
	SFV-DRK50 STV-DRK50 SCV-DRK50	Rework Knife Cartridge - For Multi-Lead Sol- dering of PLCCs/SOJs, Bevel 45°, (W x L), 5.0 mm x 14 mm (0.20" x 0.55")
Blade	PS-900 & MFR Series	A
	CFV-BL100, CCV-BL100	10 mm (0.40")
	CFV-BL250, CCV-BL250	25 mm (1")
	CFV-BL350, CCV-BL350	35 mm (1.4")
	CFV-BL400, CCV-BL400	40 mm (1.6")
	CFV-BL500, CCV-BL500	50 mm (2")

Temperature Guide & Tip Specifications SxP-Series

Max Temperature	MFR-Series	Application
690°F/366°C	STP	Temperature Sensitive
790°F/421°C	SFP	Fiberglass, Most Standard
880°F/471°C	SCP	Ceramic and High Thermal Demand
Compatible with: MFR-1110, MFR-1161, MFR-2210, MFR-2211, MFR-2241, MFR-1350/51 Systems and MFR-HI-SC2 Handpiece.		

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.)

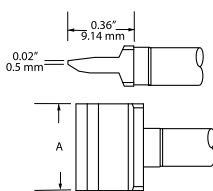
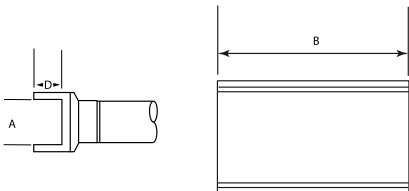
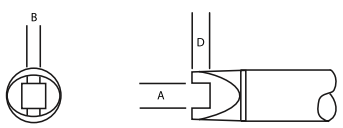
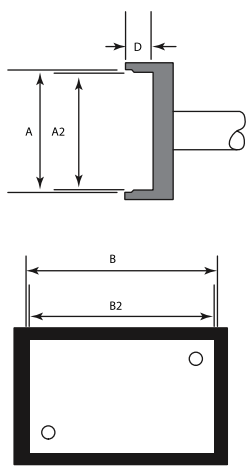
Chisel	MFR Series	
	SFP-CH10	Chisel, Cone 30°, (W x L), 1.0 mm x 9.2 mm (0.04" x 0.36")
	STP-CH10	
	SCP-CH10	
	SFP-CH15	Chisel, Cone 30°, (W x L), 1.5 mm x 10 mm (0.06" x 0.39")
	STP-CH15	
	SCP-CH15	
	SFP-CHB15	Chisel, Cone 30°, Bent, (W x L), 1.5 mm x 12.04 mm (0.06" x 0.474")
	STP-CHB15	
	SCP-CHB15	
	SFP-CH20	Chisel, Cone 30°, (W x L), 2.0 mm x 10 mm (0.08" x 0.4")
	STP-CH20	
	SCP-CH20	
	SFP-CH25	Chisel, Cone 30°, (W x L), 2.5 mm x 10 mm (0.10" x 0.39")
	STP-CH25	
	SCP-CH25	
	SFP-CH30	Chisel, Cone 30°, (W x L), 3.0 mm x 11 mm (0.12" x 0.43")
	STP-CH30	
	SCP-CH30	
	SFP-CH35	Chisel, Cone 30°, (W x L), 3.5 mm x 11 mm (0.12" x 0.43")
	STP-CH35	
	SCP-CH35	
	SFP-CH50	Chisel, Cone 30°, (W x L), 5.0 mm x 7.6 mm (0.20" x 0.3")
	STP-CH50	
	SCP-CH50	
Conical	MFR Series	
	SFP-CNBO4	Conical, Bent, (ø x L) 0.4 mm x 15.21 mm (0.016" x 0.6")
	STP-CNBO4	
	SCP-CNBO4	
	SFP-CNLO4	Conical, Long Reach, (ø x L) 0.4 mm x 14.9 mm (0.016" x 0.59")
	STP-CNLO4	
	SCP-CNLO4	
	SFP-BVL10	Conical, (Bevel x L) 60° x 1 mm (ø x L) 0.5 mm x 14.22 mm (0.02" x 0.56")
	STP-BVL10	
	SCP-BVL10	
Hoof	MFR Series	
	SFP-DRH05	Rework Hoof Cartridge - For Drag Soldering SOICs/QF, (ø x L) 0.5 mm x 15.21 mm (0.02" x 0.6")
	STP-DRH05	
	SCP-DRH05	
	SFP-DRH35	Rework Hoof Cartridge - For Drag Soldering SOICs/QF, Bevel 60°, Long Reach, (ø x L) 3.5 mm x 17.78 mm (0.14" x 0.7")
	STP-DRH35	
	SCP-DRH35	
	SFP-WV20	Concave WAVE Hoof, (Bevel/L) 60° x 2.96 mm, (ø x L) 2.0 mm x 11.6 mm
	STP-WV20	
	SCP-WV20	

Temperature Guide & Tip Specifications RxP-Series

Max Temperature	MFR-Series	Application
790°F/421°C	RFP	Fiberglass, Most Standard
880°F/471°C	RCP	Ceramic and High Thermal Demand
	Compatible with: MFR-1110, MFR-1161, MFR-2210, MFR-2211, MFR-2241, MFR-1350/51 Systems and MFR-HI-SC2 Handpiece. All dimensions shown are in mm (inches)	

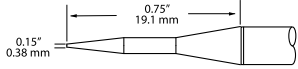
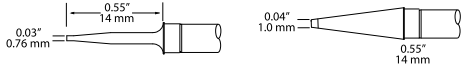
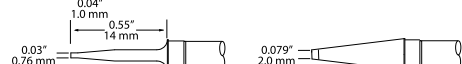
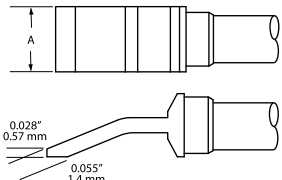

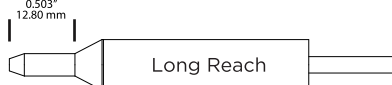
Please note the above temperatures are the maximum temperatures of the heater. The idle temperature is dependent on the geometry of the cartridge (up to 15°C lower.)

All dimensions shown are in mm (inches)

Blades for Rework Applications	MFR Series	A	B	D	SMT TYPE		
	RFP-BL1	10 (0.41)	-	-	-		
	RCP-BL1						
	RFP-BL2	15.6 (0.62)	-	-	-		
	RCP-BL2						
	RFP-BL3	22.1 (0.87)	-	-	-		
	RCP-BL3						
Tunnel - Special Rework Cartridges	MFR Series	A	B	D	SMT TYPE		
	RFP-DL1	5.18 (0.204)	10.16 (0.40)	3.22 (0.127)	Tunnel SOIC-14-16		
	RCP-DL1						
	RFP-DL2	5.18 (0.204)	4.32 (0.17)	2.29 (0.09)	Tunnel SOIC-8		
	RCP-DL2						
	RFP-DL3	6.86 (0.270)	11.15 (0.44)	2.29 (0.09)	Tunnel SOIC-16		
	RCP-DL3						
Slot - Special Rework Cartridges	MFR Series	A	B	D	SMT TYPE		
	RFP-SL1	2.34 (0.092)	1.37 (0.054)	1.78 (0.07)	0805 Chip Package		
	RCP-SL1						
	RFP-SL2	3.48 (0.137)	1.63 (0.064)	1.78 (0.07)	1206 Chip Package		
	RCP-SL2						
Quad - Special Rework Cartridges	MFR Series	A	A2	D	B	B2	SMT TYPE
	RFP-QD4	12.70 (0.500)	11.43 (0.450)	3.81 (0.150)	15.24 (0.600)	13.97 (0.550)	PLCC 32
	RCP-QD4						
	RFP-QD6	17.78 (0.700)	16.76 (0.660)	3.81 (0.150)	17.78 (0.700)	16.76 (0.660)	PLCC 44
	RCP-QD6						
	RFP-QD7	25.27 (0.995)	24.38 (0.960)	5.59 (0.220)	25.27 (0.995)	24.38 (0.960)	PLCC 68
	RCP-QD7						
	RFP-QD10	20.32 (0.800)	19.30 (0.760)	3.81 (0.150)	20.32 (0.800)	19.30 (0.760)	PLCC 52
	RCP-QD10						
	RFP-QD15	13.34 (0.525)	12.32 (0.485)	2.79 (0.110)	13.34 (0.525)	12.32 (0.485)	TQFP 80
	RCP-QD15						
	RFP-QD19	16.13 (0.635)	16.13 (0.635)	3.30 (0.130)	16.13 (0.635)	16.13 (0.635)	QFP 44
	RCP-QD19						
	RFP-QD20	16.51 (0.650)	16.51 (0.650)	3.30 (0.130)	22.48 (0.885)	22.48 (0.885)	QFP 100
	RCP-QD20						

Temperature Guide & Tip Specifications TxP & DxP-Series

Max Temperature	MFR-Series	Application
690°F/366°C	TTP & DTP	Temperature Sensitive
790°F/421°C	TFP & DFP	Fiberglass, Most Standard
880°F/471°C	TCP & DCP	Ceramic and High Thermal Demand
TxP Tweezer Cartridges compatible with: MFR-1140, MFR-2240, MFR2241 Systems and MFR-H4-TW Handpiece DxP Desoldering Tips compatible with: MFR-1150, MFR-1350, MFR-1351 systems with MFR-H5-DS Handpiece and previous MFR-DSX, -DSI, -SDX, -SDI Systems with MFR-HDS Handpiece. All dimensions shown are in mm (inches).		
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)		

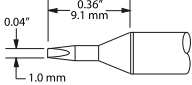
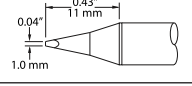
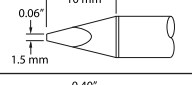
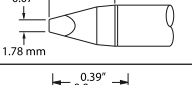
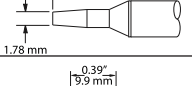

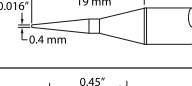

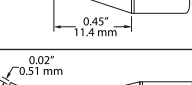
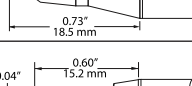

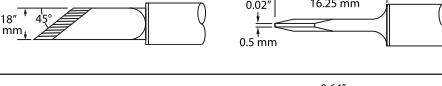
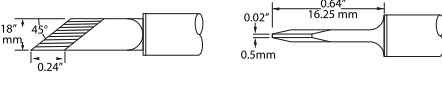
TxP - Rework Tweezer Cartridges - Conical	MFR Series			
	TFP-CNP1	(∅ x L), 0.4 mm x 19.1 mm (0.015" x 0.75"), sold per pair		
	TTP-CNP1			
	TCP-CNP1			
TxP - Rework Tweezer Cartridges - Blade	MFR Series			
	TFP-BLP1	(W x L), 1.0 mm x 14 mm (0.04" x 0.55"), sold per pair		
	TTP-BLP1			
	TCP-BLP1			
	TFP-BLP2	(W x L), 2.0 mm x 14 mm (0.08" x 0.55"), sold per pair		
	TTP-BLP2			
	TCP-BLP2			
TxP - Rework Tweezer Cartridges - Wide Blade	MFR Series	A		
	TFP-BLH40	6.35 mm (0.25"), sold per pair		
	TTP-BLH40			
	TCP-BLH40			
	TFP-BLH50	16 mm (0.62"), sold per pair		
	TTP-BLH50			
	TCP-BLH50			
	TFP-BLH60	20.5 mm (0.81"), sold per pair		
	TTP-BLH60			
	TCP-BLH60			
TFP-BLH70	28 mm (1.1"), sold per pair			
TTP-BLH70				
TCP-BLH70				
DxP - Desoldering Tips	MFR Series	A	B	Type
	DFP-CN2	0.64 (0.025)	1.78 (0.070)	Standard
	DCP-CN2			
	DFP-CN3	0.76 (0.030)	2.03 (0.080)	Standard
	DCP-CN3			
	DFP-CN4	1.02 (0.040)	2.28 (0.090)	Standard
	DCP-CN4			
	DFP-CN5	1.27 (0.050)	2.64 (0.104)	Standard
DCP-CN5				
DFP-CN6	1.52 (0.060)	2.84 (0.112)	Standard	
DCP-CN6				
DFP-CN7	2.41 (0.095)	3.63 (0.143)	Standard	
DCP-CN7				
	DFP-CNL3	0.76 (0.030)	2.03 (0.080)	Long Reach
	DCP-CNL3			
	DFP-CNL4	1.02 (0.040)	2.28 (0.090)	Long Reach
	DCP-CNL4			
	DFP-CNL5	1.27 (0.050)	2.64 (0.104)	Long Reach
DCP-CNL5				

All dimensions shown are in mm (inches)

Temperature Guide & Tip Specifications SSC-Series

Max Temperature	MFR & SP200 Series	Application
675°F/357°C	SSC-6	Temperature Sensitive
775°F/413°C	SSC-7	Most Standard
	Compatible with: SP200, MFR-1160 Systems, SP-HCI and MFR-H6-SSC Handpieces	

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)

Chisel	MFR & SP200 Series	
	SSC-671A SSC-771A	Chisel, (W x L) 1.0 mm x 9.1 mm (0.04" x 0.36")
	SSC-625A SSC-725A	Chisel, (W x L) Cone 30°, 1.0 mm x 11 mm (0.04" x 0.43")
	SSC-638A SSC-738A	Chisel (W x L) 30°, 1.5 mm x 10 mm (0.06" x 0.40")
	SSC-637A SSC-737A	Chisel (W x L) 30°, 1.78 mm x 9.9 mm (0.07" x 0.40")
	SSC-672A SSC-772A	Chisel, (W x L) 1.78 mm x 9.9 mm (0.07" x 0.39")
	SSC-636A SSC-736A	Chisel 30°, (W x L) 2.5 mm x 9.9 mm (0.10" x 0.39")
Conical	MFR & SP200 Series	
	SSC-645A SSC-745A	Conical, Sharp, Long Reach, (Ø x L), 0.4 mm x 19 mm (0.016" x 0.75")
	SSC-622A SSC-722A	Conical, Sharp, (Ø x L), 0.51 mm x 11.4 mm (0.02" x 0.45")
	SSC-626A SSC-726A	Conical, Sharp Bent 30°, (Ø x L), 0.51 mm x 11.4 mm (0.02" x 0.45")
	SSC-654A SSC-754A	Conical, Sharp Bent 30°, Long Reach, (Ø x L), 0.51 mm x 18.5 mm (0.02" x 0.73")
	SSC-601A SSC-701A	Conical, Sharp, (Ø x L), 1.0 mm x 15.2 mm (0.04" x 0.60")
Knife	MFR & SP200 Series	
	SSC-661A SSC-761A	Rework Knife Cartridge - For Multi-Lead Soldering of PLCCs/SOJs, Bevel 45°, (W x L), 4.5 mm x 16.25 mm (0.18" x 0.64")
	SSC-673A SSC-773A	Rework Knife Cartridge - For Multi-Lead Soldering of PLCCs/SOJs, Bevel 45°, Increased tinned area 6.1 mm, (W x L), 5.1 mm x 16.25 mm (0.24" x 0.64")

SORTED BY SYSTEM		
CONNECTION VALIDATION (CV) SYSTEMS		
CVC Cartridges	6	SOLDERING
DSC Desolder Cartridges	17	DESOLDERING
HCV High Thermal Demand Cartridges	10	HTD
MFT MicroFine Tweezer Cartridges	19	MICROSCOPE
MFTC MicroFine Cartridges	18	MICROSCOPE
PTC Tweezer Cartridges	16	TWEEZERS
SMC Rework Cartridges	12	REWORK
UFC UltraFine Cartridges	14	MICROSCOPE
GT ADJUSTABLE TEMPERATURE SYSTEMS		
GT120 GT6 Tips	4	SOLDERING
GT120 GTC Cartridges	4	SOLDERING
MX SERIES SOLDERING SYSTEMS		
CVC Cartridges	6	SOLDERING
DSC Desolder Cartridges	17	DESOLDERING
HCV High Thermal Demand Cartridges	10	HTD
HTC High Thermal Demand Cartridges	10	HTD
MFT MicroFine Tweezer Cartridges	19	MICROSCOPE
MFTC MicroFine Cartridges	18	MICROSCOPE
PTC Tweezer Cartridges	16	TWEEZERS
PTTC Tweezer Cartridges	16	TWEEZERS
SMC Rework Cartridges	12	REWORK
SMTC Rework Cartridges	12	REWORK
MFR SERIES SOLDERING SYSTEMS		
SxV Tips	20	SOLDERING
CFV & CCV Blade Tips	21	REWORK
SxP Cartridges	22	SOLDER/REWORK
RxP Rework Cartridges	23	REWORK
TxP Tweezer Cartridges	24	TWEEZERS
DxP Desolder Cartridges	24	DESOLDERING
SSC Cartridges	25	SOLDERING
PS SYSTEMS		
SxV Tips	20	SOLDERING
CFV & CCV Blade Tips	21	REWORK
SP SERIES SYSTEMS		
SSC Cartridges	20	SOLDERING

SORTED BY APPLICATION	
DESOLDERING	
DSC Desolder Cartridges	17
DTP / DFP / DCP Desoldering Cartridges	24
STDC Desolder Cartridges	17
HTD	
HCV HTD Cartridges	10
HTC HTD Cartridges	10
MICRO-SOLDERING	
MFT MicroFine Tweezer Cartridges	19
MFTC MicroFine Cartridges	18
UFC UltraFine Cartridges	14
UFTC UltraFine Cartridges	14
REWORK	
RFP / RCP Rework Cartridges	21
SMC Rework Cartridges	10
SMTC Rework Cartridges	10
STP / SFP / SCP Tips	20
SOLDERING	
CFV / CCV Blade Tips	23
CVC Cartridges	6
GT120 GT6 Tips	4
GT120 GTC Cartridges	4
GT90 GT4 Tips	4
SSC Cartridges	25
STP / SFP / SCP Tips	22
STTC Cartridges	6
STV / SFV / SCV Soldering Tips	20
PTC Tweezer Cartridges	16
PTTC Tweezer Cartridges	16
TTP / TFP / TCP Tweezer Cartridges	24

SORTED BY HANDPIECE		
HANDPIECE	DESC.	CARTRIDGE/TIP SERIES
CV-H10-MFT	MicroFine Tweezer Handpiece for CV	MFT
CV-H1-AV	Advanced Handpiece for CV	CVC, SMC
CV-H2-UF	UltraFine Handpiece for CV	UFC
CV-H4-PTZ	Precision Tweezer for CV	PTC
CV-H4-UFT	UltraFine Tweezer for CV	UFT
CV-H5-DS	Desolder Handpiece for CV	DSC
CV-H5-DSHP	Desolder Handpiece for CV	DSC
CV-H6-HTD	HTD Handpiece for CV	HCV
CV-H7-AV	Solder Wire Feeder Handpiece	CVC
CV-H7-HTD	HTD Solder Wire Feeder Handpiece	HCV
CV-H9-MFH	MicroFine Handpiece for CV	MFTC
GT-HP-T4	Handpiece for GT90	GT-HC-T4, GT4
GT-HP-T6C	Handpiece for GT120	GT-HC-T, GTC, GT6
MFR-H1-SC2	Soldering Cartridge Handpiece	SxP, RxP
MFR-H2-ST	Soldering Tip Handpiece for MFR	SxV, CxV, CCV
MFR-H2-ST2	Soldering Tip Handpiece for MFR	SxV, CxV, CCV
MFR-H4-TW	Tweezer Handpiece for MFR	TTP, TFP, TCP
MFR-H5-DS	Desolder Handpiece for MFR	DTP, DFP, DCP
MFR-H6-SSC	SSC Soldering Cartridge Handpiece	SSC
MFR-HDS	Desolder Handpiece for MFR	DTP, DFP, DCP
MX-DS1	Desolder Handpiece for MX	DSC, STDC
MX-H10-MFT	MicroFine Tweezer Handpiece	MFT
MX-H1-AV	Advanced Handpiece for MX	CVC, HTTC, SMTC
MX-H2-UF	UltraFine Handpiece for MX	UFTC
MX-H6-HTD	HTD Handpiece for MX	HCV, HTC
MX-H7-SF	Solder Wire Feeder Handpiece	CVC, STTC
MX-H9-MFH	MicroFine Handpiece for MX	MFTC
MX-PTZ	Precision Tweezer for MX	PTC, PTTC
MX-RE6E	MX-Solder Handle	CVC, STTC, SMC
MX-RM3E	MX-Solder Handle	CVC, STTC, SMC, SMTC
PS-HC3	Handpiece & Coil Assembly for PS-900	SxV, CxV, CCV
SP-HC1	Solder Handpiece for SP200 Systems	SSC