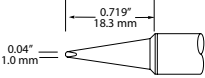
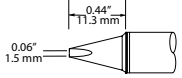
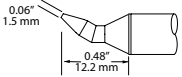
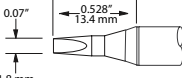
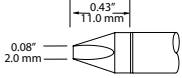
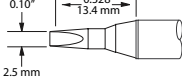
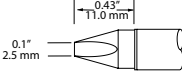
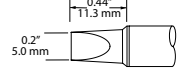
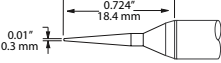
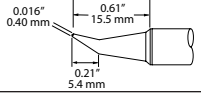
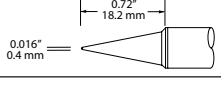
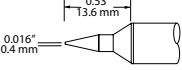


Temperature Guide & Tip Specifications SxV Series

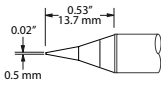
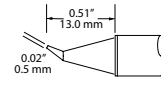
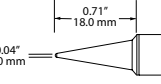
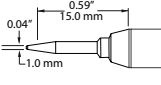
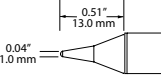
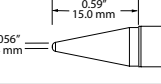
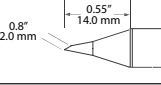
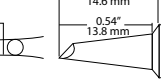
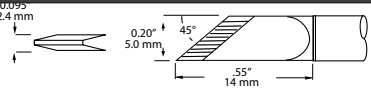
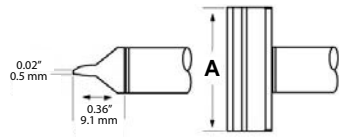
Max Temperature	PS and MFR-Series	Application
690°F/366°C	STV	Temperature Sensitive
790°F/421°C	SFV	Fiberglass, Most Standard
880°F/471°C	SCV	Ceramic and High Thermal Demand
	Compatible with: PS-900, MFR-1120, MFR-2220, MFR-2222 Systems, PS-HC3, MFR-H2-ST and MFR-H2-ST2 Handpieces, PS-CA3, MFR-CA2 and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

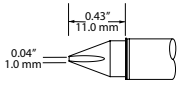
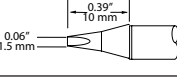
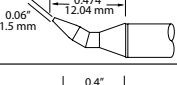
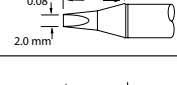
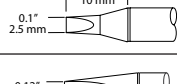
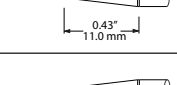
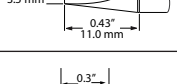

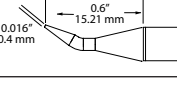
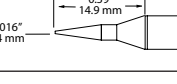
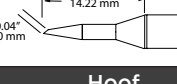
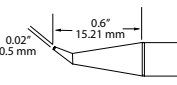
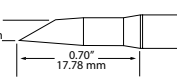
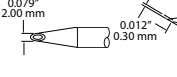
Max Temperature	PS and MFR-Series	Application
690°F/366°C	STV & CTV	Temperature Sensitive
790°F/421°C	SFV & CFV	Fiberglass, Most Standard
880°F/471°C	SCV & CCV	Ceramic and High Thermal Demand
Compatible with: PS-900, MFR-1120, MFR-2220, MFR-2222 Systems, PS-HC3, MFR-H2-ST and MFR-H2-ST2 Handpieces, PS-CA3,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

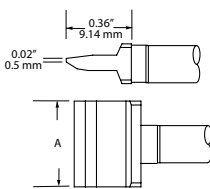
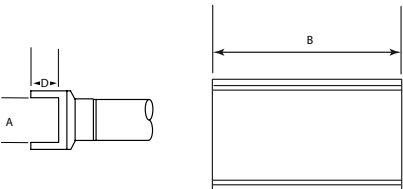
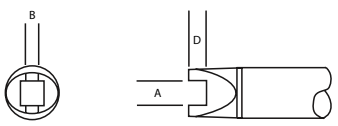
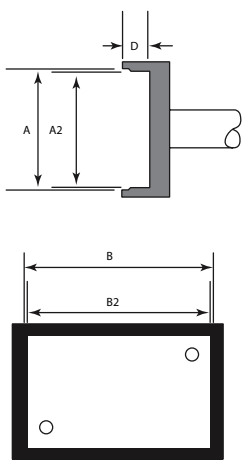
Chisel	MFR Series	
	SFP-CH10	Chisel, Cone 30°, (W x L), 1.0 mm x 9.2 mm (0.04" x 0.36")
	STP-CH10	
	SCP-CH10	
	SFP-CH15	Chisel, Cone 30°, (W x L), 1.5 mm x 10 mm (0.06" x 0.39")
	STP-CH15	
	SCP-CH15	
	SFP-CHB15	Chisel, Cone 30°, Bent, (W x L), 1.5 mm x 12.04 mm (0.06" x 0.474")
	STP-CHB15	
	SCP-CHB15	
	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-CN04	Conical, Bent, (ø x L) 0.4 mm x 15.21 mm (0.016" x 0.6")
	STP-CN04	
	SCP-CN04	
	SFP-CNL04	Conical, Long Reach, (ø x L) 0.4 mm x 14.9 mm (0.016" x 0.59")
	STP-CNL04	
	SCP-CNL04	
	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)	

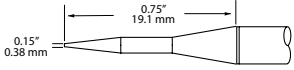
Please note the above temperatures are the maximum temperatures of the heater. The idle temperature is dependent on the geometry of the cartridge (up to 15°C lower.)

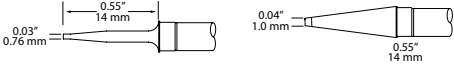
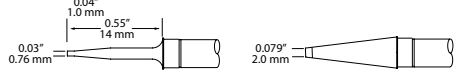
All dimensions shown are in mm (inches)

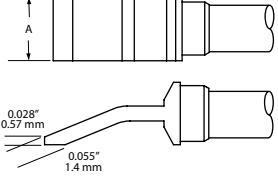
Blades for Rework Applications	MFR Series	A	B	D	SMT TYPE		
	RFP-BL1	10 (0.41)	-	-	-		
	RCP-BL1						
	RFP-BL2	15.6 (0.62)	-	-	-		
	RCP-BL2						
	RFP-BL3	22.1 (0.87)	-	-	-		
	RCP-BL3						
Tunnel - Special Rework Cartridges	MFR Series	A	B	D	SMT TYPE		
	RFP-DL1	5.18 (0.204)	10.16 (0.40)	3.22 (0.127)	Tunnel 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						

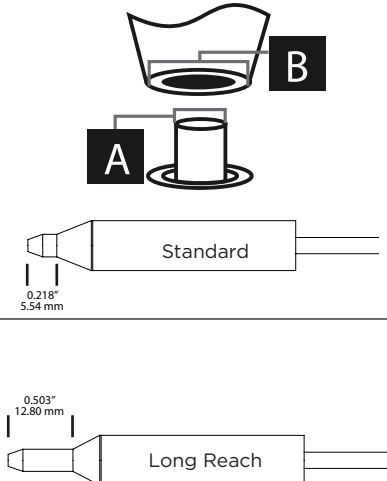
Temperature Guide & Tip Specifications TxP & DxP-Series

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	(ø 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	

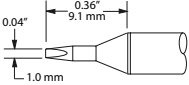
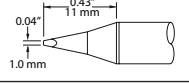
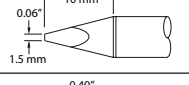
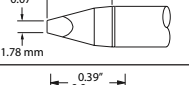
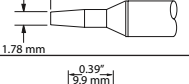

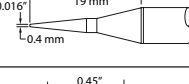

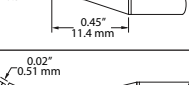
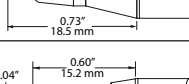

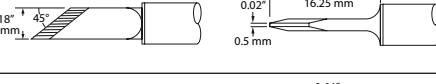
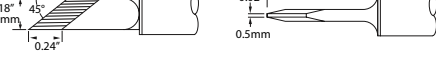
DxP - Desoldering Tips	MFR Series	A	B	Type
	DFP-CN2	0.64 (0.025)	1.78 (0.070)	Standard
	DCP-CN2			
	DFP-CN3	0.76 (0.030)	2.03 (0.080)	Standard
	DCP-CN3			
	DFP-CN4	1.02 (0.040)	2.28 (0.090)	Standard
	DCP-CN4			
	DFP-CN5	1.27 (0.050)	2.64 (0.104)	Standard
	DCP-CN5			
	DFP-CN6	1.52 (0.060)	2.84 (0.112)	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-HC1 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")



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