

Hand Soldering, Desoldering, & Rework

SxV Soldering Tips

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 hand-pieces, 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		
	SFV-CH10A	Chisel, (W x L), 1.0 x 18.3 mm (.04" x .72")
	STV-CH10A	
	SCV-CH10A	
	SFV-CH15A/SFV-CH15AR	Chisel, (W x L), 1.5 x 11.3 mm (.06" x .44")
	STV-CH15A	
	SCV-CH15A	
	SFV-CHB15	Chisel, Bent, (W x L), 1.5 x 12.2 mm (.06" x .48")
	STV-CHB15	
	SCV-CHB15	
	SFV-CH18AR	Chisel, (W x L), 1.8 x 13.4 mm (.07" x .53")
	STV-CH18AR	
	SCV-CH18AR	
	SFV-CH20	Chisel, (W x L), 2.0 x 11.0 mm (.08" x .43")
	STV-CH20	
	SCV-CH20	
	SFV-CH25AR	Chisel, (W x L), 2.5 x 13.4 mm (.10" x .53")
	STV-CH25AR	
	SCV-CH25AR	
	SFV-CH25	Chisel, (W x L), 2.5 x 11.0 mm (.10" x .43")
	STV-CH25	
	SCV-CH25	
	SFV-CH50A	Chisel, (W x L), 5.0 x 11.3 mm (.20" x .44")
	STV-CH50A	
	SCV-CH50A	
Conical		
	SFV-CNL03AR	Conical, (Ø x L), Long Reach 0.3 x 18.4 mm (.01" x .72")
	STV-CNL03AR	
	SCV-CNL03AR	
	SFV-CNB04A	Conical, (Ø x L), Bent 0.4 x 15.5 mm (.016" x .61")
	STV-CNB04A	
	SCV-CNB04A	
	SFV-CN05A	Conical, (Ø x L), 0.4 x 18.2 mm (.016" x .72")
	STV-CN05A	
	SCV-CN05A	
	SFV-CNL04	Conical, (Ø x L), 0.4 x 13.6 mm (.016" x .53")
	STV-CNL04	
	SCV-CNL04	

For our complete selection of tips & cartridges, visit www.metcal.com

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SxV Soldering Tips & CxV Blade Tips

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

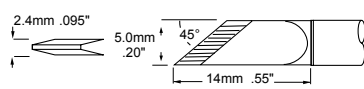
Compatible with: PS-900, MFR-1120, MFR-2220, MFR-2222 Systems, PS-HC3, MFR-H2-ST and MFR-H2-ST2 hand-pieces, PS-CA3, MFR-CA2 and MFR-CA3 Coil Assemblies.

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

	SFV-CN05AR	Conical, (Ø x L), 0.5 x 13.7 mm (.02" x .53")
	STV-CN05AR	
	SCV-CN05AR	
	SFV-CNB05	Conical, Bent, (Ø x L), 0.5 x 13 mm (.02" x .51")
	STV-CNB05	
	SCV-CNB05	
	SFV-CNL10A	Conical, Long Reach, (Ø x L), 1.0 x 18 mm (.04" x .71")
	STV-CNL10A	
	SCV-CNL10A	
	SFV-CNL10AR	Conical, Long Reach, (Ø x L), 1.0 x 13.7 mm (.04" x .54")
	STV-CNL10AR	
	SCV-CNL10AR	
	SFV-CNL10	Conical, Long Reach, (Ø x L), 1.0 x 13 mm (.04" x .51")
	STV-CNL10	
	SCV-CNL10	
	SFV-CNL14	Conical, Long Reach, (Ø x L), 1.4 x 15 mm (.056" x .59")
	STV-CNL14	
	SCV-CNL14	
	SFV-DRH20	Conical, Bevel, 60° x 2 mm (Ø x L), 1 x 14 mm (.04" x .55")
	STV-DRH20	
	SCV-DRH20	
	SFV-WV20	Rework Hoof-Cartridge - For Drag Soldering SOICs/QFPs, Concave Wave Hoof, Bevel 45°, (Ø x L), 2.0 x 13.8 mm (.08" x .54")
	STV-WV20	
	SCV-WV20	

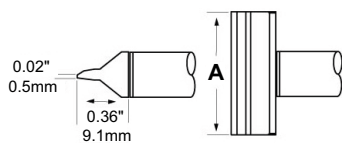
Rework Knife-Cartridges - For Multi-Lead Soldering of PLCCs/SOJs



	SFV-DRK50	Knife, Bevel 45°, (W x L), 5.0 x 14 mm (.20" x .55")
	STV-DRK50	
	SCV-DRK50	

CxV Blade Tips for Rework Applications

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CFV-BL100	CTV-BL100	CCV-BL100	10 mm (.40")
CFV-BL250	CTV-BL250	CCV-BL250	25 mm (1")
CFV-BL350	CTV-BL350	CCV-BL350	35 mm (1.4")
CFV-BL400	CTV-BL400	CCV-BL400	40 mm (1.6")
CFV-BL500	CTV-BL500	CCV-BL500	50 mm (2")

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