

The Second Technology Shift In Hand Soldering

Driven by today's technologies and economic demands, Metcal's new PS-800 Soldering System represents the most significant development in hand soldering since Metcal first introduced SmartHeat® technology (fixed temperature/variable power control) in the 1980's. The PS-800 Soldering System revolutionizes hand soldering by combining the power and superior process control advantages of SmartHeat®, with the system quality and innovative design of Metcal irons.



Designed to be the perfect, compact soldering system for repetitive manual assembly and touch-up, the PS-800 Soldering System incorporates an innovative, compact power supply that fits on or under the bench. In addition, the PS-800 Soldering System requires no calibration.

Minimal Cost Of Ownership

The PS-800 Soldering System employs replaceable heater tips rather than cartridges, making cost of ownership extremely competitive. The unique two-piece design separates the heater coil from the tip. The long-life heater coil remains in the handle, while replaceable tips are easily removed and replaced. Most importantly, the cost of the heater tips is comparable to that of conventional tips.

Metcal has developed 33 soldering tip geometries for the PS-800 Soldering System, each available in a variety of temperature ranges. Plus, enhancements to SmartHeat® technology have allowed us to increase the plating thickness of the tips. The result is extended tip life without reducing thermal performance.

Perfect For Lead-Free Hand Soldering

The most important technical challenge of lead-free hand soldering is being able to solder heat sensitive components at 215-220 °C, without causing damage. This requires a soldering system that can deliver high levels of accuracy to a traceable standard.

Metcal's PS-800 Soldering System is perfect for lead-free hand soldering. As

SmartHeat® maintains a constant tip temperature it allows the higher temperature requirements of lead-free alloys to be met without increasing the tip temperature. Thus, the risk of thermal damage is eliminated.

The PS-800 Soldering System allows operators to produce high quality product quickly, easily and safely. It is a reliable, hassle-free production tool that can be used to solder lead-free PCBs immediately without needing to be continually re-calibrated to meet the higher temperature requirements.



PS-800 SOLDERING SYSTEM

System Includes Power Supply With Power Cord, Hand-Piece With Cord, Workstand With Sponge And Cartridge Removal Pad

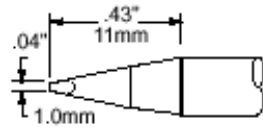
Part No.	Description
PS-800	PS-800 Soldering System

ACCESSORIES & SPARE PARTS

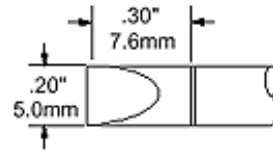
Part No.	Description
PS-PW1	PS-800 Power Supply
PS-WSK1	PS-800 Workstand with Sponge
PS-WSC1	PS-800 Cradle
AC-YS4	Sponge 79.25mm ø x 25.4mm (3.12"ø x 1")
PS-HC1	PS-800 Soldering Handle with Coil Assembly
PS-CA1	PS-800 Coil Assembly
AC-CP2	Cartridge Removal Pad
AC-PM	Power Meter -AC



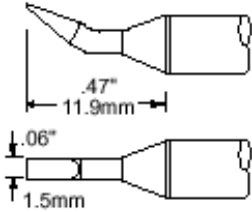
PS-800 SOLDER TIP CARTRIDGES



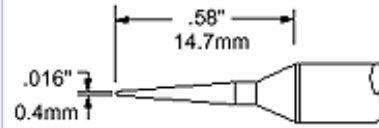
PHT-XY0315
Chisel Fine
30°
1.0mm (.04")



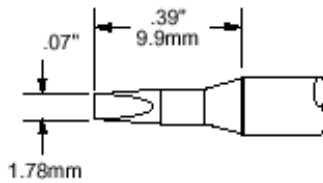
PHT-XY1384
Chisel 30°
5.0mm (.20")



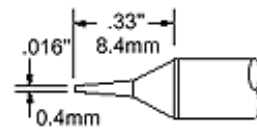
PHT-XY0326
Chisel
Fine/Bent
30°
1.5mm (.06")



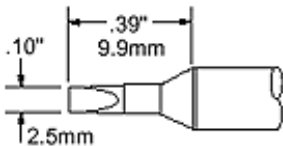
PHT-XY2017
Conical 60°
0.4mm (.016")



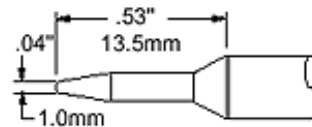
PHT-XY0335
Chisel Fine
30°
1.78mm
(.07")



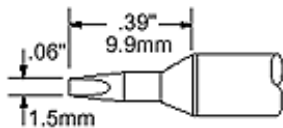
PHT-XY2035
Conical Fine
0.4mm (.016")



PHT-XY1355
Chisel 30°
2.5mm (.10")



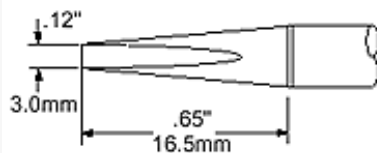
PHT-XY2057
Conical Fine
1.0mm (.04")



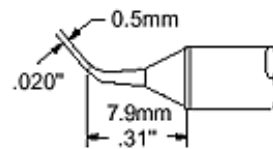
PHT-XY0325
Chisel 60°
1.5mm (.06")



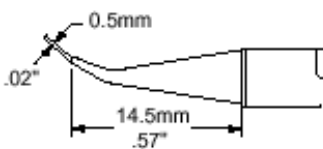
PHT-XY2327
Conical Fine
Bent
0.4mm (.016")



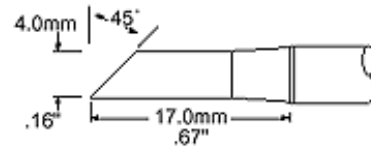
PHT-XY1367
Chisel 30°
3.0mm (.12")



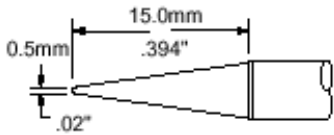
PHT-XY2335
Conical
Fine/Bent 30°
0.5mm (.02")



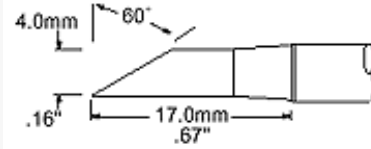
PHT-XY2337
Conical
Fine/Bent
30°
0.5mm (.02")



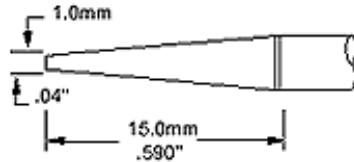
PHT-XY4497
Hoof 45°
4.0mm (.16")



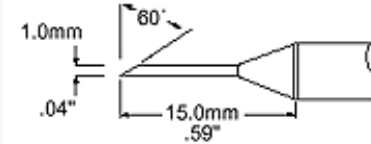
PHT-XY3035
Conical 30°
0.5mm (.02")



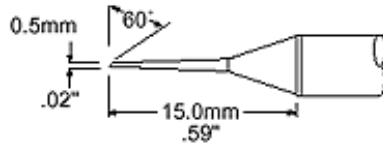
PHT-XY4697
Hoof 60°
4.0mm (.16")



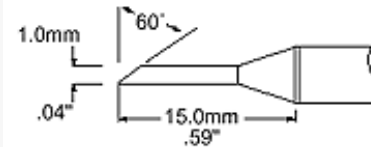
PHT-XY3067
Conical Long
1.0mm (.04")



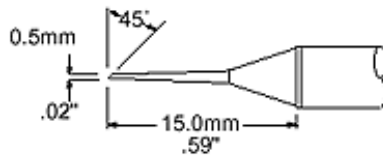
PHT-XY4627F
Minihoof 60°
Face Only
1.0mm (.04")



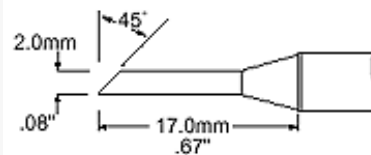
PHT-XY4607
Minihoof 60°
0.5mm (.02")



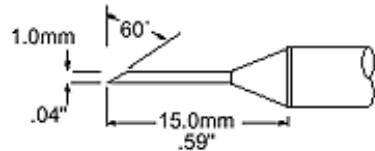
PHT-XY4637F
Minihoof 60°
Face Only
1.0mm (.04")



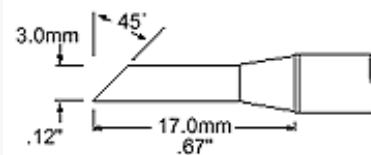
PHT-XY4617
Minihoof 45°
0.5mm (.02")



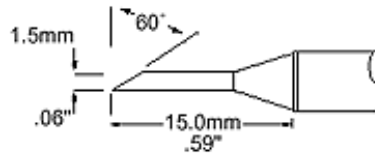
PHT-XY4467F
Hoof 45°
Face Only
2.0mm (.08")



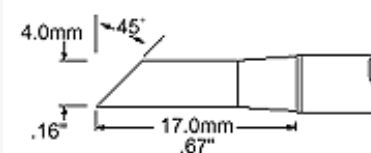
PHT-XY4627
Minihoof 60°
1.0mm (.04")



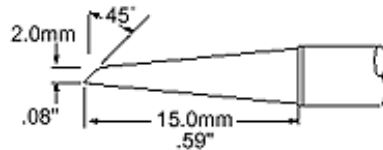
PHT-XY4487F
Hoof 45°
Face Only
3.0mm (.12")



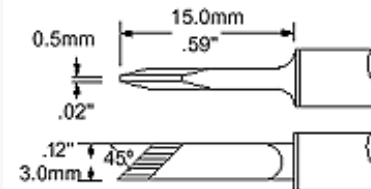
PHT-XY4637
Minihoof 60°
1.5mm (.06")



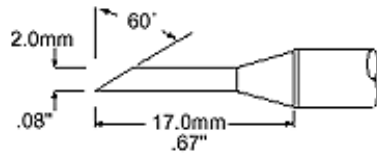
PHT-XY4497F
Hoof 45°
Face Only
4.0mm (.16")



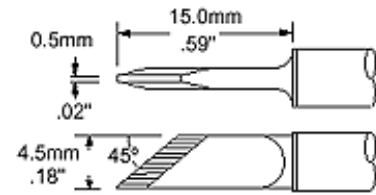
PHT-XY4467
Hoof 45°
2.0mm (.08")



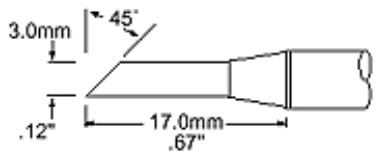
PHT-XY5437
Knife Sharp
45°
3.0mm (.12")



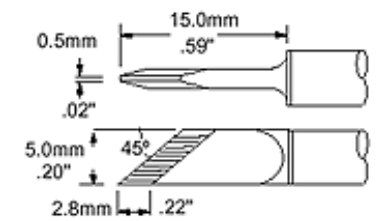
PHT-XY4667
Hoof 60°
2.0mm (.08")



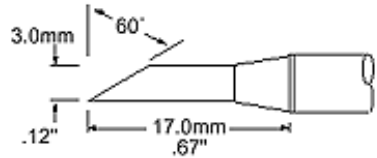
PHT-XY5457
Knife Sharp
45°
4.5mm (.18")



PHT-XY4487
Hoof 45°
3.0mm (.12")



PHT-XY5477
Knife Bevel
45°
5.0mm (.20")



PHT-XY4687
Hoof 60°
3.0mm (.12")