

Ultratip® Soldering Tips and Accessories



Ultratorch UT-200Si Tips and Accessories	
Model No.	Description
Soldering Tips	
72-01-01	3mm dia. tapered needle soldering tip
72-01-02	10mm dia. chisel soldering tip (std. UT-200, UT-200Si)
72-01-03	4mm dia. spade soldering tip
72-01-05	1mm dia. tapered needle soldering tip
72-01-06	4mm dia. micro spade soldering tip
72-01-11	7mm dia. chisel soldering tip
72-01-12	4mm dia. chisel soldering tip
72-01-13	12.5mm dia. 45° spade soldering tip
Hot Air Tips	
72-01-51	5.6 O.D./3.6 I.D. (mm) hot air tip
72-01-52	8.6 O.D./6.6 I.D. (mm) hot air tip (std. all models)
72-01-53	11.5 O.D./9.7 I.D. (mm) hot air tip
Adapter	
72-01-14	Adapter (5mm dia. x 8mm pitch) tip
Accessories	
72-01-54	1 1/25.4mm dia., 1 1/25.4mm wide heat shrink attachment
72-01-55	1.25 1/32mm dia., 1.25 1/32mm wide heat shrink attachment (std. UT-200, UT-200Si)
72-02	Protective cap (std. UT-200, UT-200Si)
72-52U	Carrying strap
80-35	Ejector spanner wrench (std. UT-200Si)
80-40	Open end wrench (std. UT-200, UT-200Si)

Butane-powered Soldering Iron/Heat Tools

- Oxygen-free, copper based Ultratip soldering tips have thick iron and chrome plating for long life and high thermal conductivity
- Ultratips are manufactured using a patented process which produces a uniform iron and chrome plating thickness
- Ultratip soldering tips feature leading-edge combustion chamber/exhaust port design
- All tips are pre-tinned with lead-free solder

Premium Ultratane® Butane

Premium Butane For Use With All Master Butane Powered Products

- Recommended fuel for all Master butane-powered products
- Triple-refined formula reduces clogging of filters
- Special vapor pressure promotes consistent ignition
- Contains no CFC's
- Avail in 2 convenient sizes: 5 1/2 oz. (145 gram), 2 oz. (56.5 gram) canisters
- Model 10449 meets Limited Quantity Class Markings and can ship via ground transportation without hazardous material charges
- Model 51773 has proper D.O.T. markings and ships via ground transportation with hazardous material charges



Ultratane Butane	
Model No.	Description
51773	5 1/2 oz. (145 gram) canister with universal tip adapter
10449	2 oz. (56.5 gram) canister with universal tip



THE MASTER ULTRATORCH®

FEATURING HIGH PERFORMANCE ULTRATIP® TECHNOLOGY

Extra Long Tip Life ▪ Superior Heat Transfer ▪ Engineered For Reliable Performance



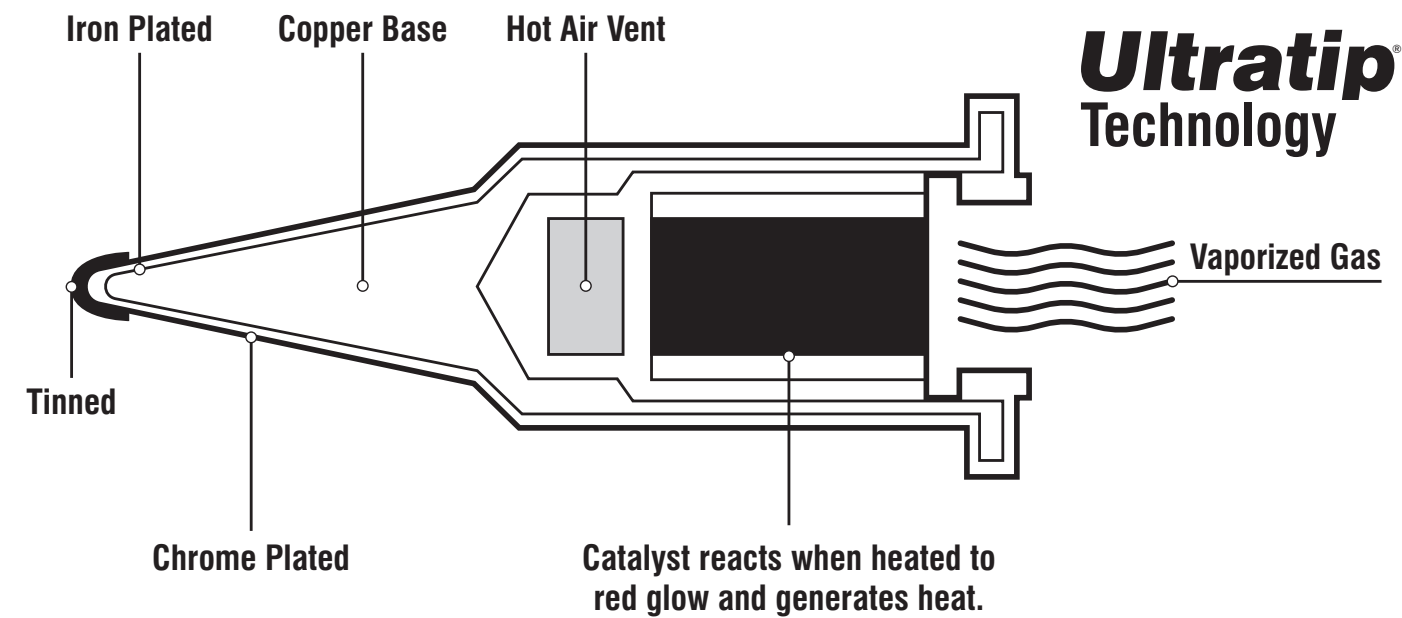
The Master Ultratorch®	UT-40Si	UT-50	UT-100Si	UT-200Si
Wattage Output Equivalent	20-80 Watts	20-60 Watts	20-80 Watts	200 Watts
Runtime on Full Tank	75 mins	20 mins	120 mins	2.6 hours
Self-Igniting Piezo Switch	✓		✓	✓
Pinpoint Torch Mode		✓	✓	
Flameless Heat Mode	✓	✓	✓	✓
Extra Long Lasting Ultratip Soldering Tips	✓	✓	✓	✓

What Is Ultratip® Technology?

Ultratips Have 2 Main Benefits Over the Competition:

- Double the iron and chrome plating thickness - provides extra-long tip life
- Copper based tips - transfer more heat to the end of the tip for more efficient soldering than the competition

Since today's lead-free solder's high tin content erodes the tip's iron plating faster, Ultratip's thicker iron and chrome plating will significantly extend the tip life. Cleaning your tips often and immediately re-tinning them will also keep them in top condition longer.



Why Buy An Ultratorch®?

Versatile

Master assembled a collection of 4 Ultratorches that vary in size and power output. From the pocket-sized UT-50 to the heavy-duty UT-200Si, the Ultratorch family covers a wide range of soldering and heat shrink needs.

Portable

All Master Ultratorches are butane powered. No cords, no outlets needed. Fill with Master Ultratane® Butane fuel time and time again for reliable performance.

Wide Selection of Tips and Accessories

Master offers a selection of over 50 tips and accessories to choose from to tailor your Ultratorch perfectly to your application(s). Select a wider soldering tip for a heavy-duty job or different size heat shrink reflector to match your wire size.

Master Backed

With over 60 years of experience in the heat tool industry, Master supports a conditional 1-year warranty on all Master products. Master also offers a convenient flat-fee repair program to return your Ultratorch back to tip top shape.

Ultratorch® Model UT-100Si, Kit & Tool Case

Butane-Powered Soldering Iron, Heat Tool & Torch



The **UT-100Si** is a high-capacity, self-igniting unit serving as a soldering iron and heat tool. It comes standard with soldering tip, heat tip, shrink attachment, and protective cap.

UT Series
Ultratorch UT-100Si-TC

Includes heat tool, 3 soldering tips and flameless hot air tip, hot knife, solder, wire cutter, needle nose pliers and cap in a rugged storage/carrying case

The **UT-100SiK** package comes with the UT-100Si and standard accessories, plus a handy metal storage/carrying case.

Ultratorch UT-100Si

Model No.	Description
UT-100Si	Includes Ultratorch, Ultratip soldering tip: 70-01-02, hot air tip: 70-01-52, shrink attachment: ejector and cap
UT-100SiK	Includes Ultratorch, Ultratip soldering tip: 70-01-02, hot air tip: 70-01-52, shrink attachment: 70-01-55, ejector, sponge and steel case
UT-100Si-TC	Includes Ultratorch, three Ultratip soldering tips: 70-01-02, 70-01-05, 70-01-11, hot air tip: 70-01-52, shrink attachment: 70-01-55, hot knife: 70-01-16, ejector, sponge, cap, solder, wire cutter and needle nose pliers packed in a rugged plastic carrying case

Specifications

- **Approx. Soldering Tip Temp.:** 482° - 932°F (250° - 500°C)
- **Approx. Hot Air Tip Temp.:** 1202°F (650°C)
- **Approx. Flame Temp.:** 2500°F (1371°C)
- **Equivalent to Electric Iron:** 20 to 80 Watt
- **Approx. Operating Time:** 120 min.
- **Fuel Tank Capacity:** 1 fl. oz. (28 cc)
- **Tool Dimensions:** 10.3" L (260mm)
- **Tool Net Weight:** 5.5 oz. (100 g)
- **UT-100Si Shipping Weight:** 1 lb.
- **UT-100SiK Shipping Weight:** 2 lbs.
- **UT-100Si-TC Shipping Weight:** 3 lbs.
- **Shipped Empty**

NOTE: Users should independently evaluate the suitability of the product for their application.

Features & Benefits

- Lightweight and easily portable
- Built-in fuel filter for consistent fuel ignition
- Built-in window indicates fuel level
- Operates nonstop for approx. 2 hours at #3 setting
- Adjustable temperature up to 1200°F (hot air tip)
- Solder tip can reach 932°F
- Equivalent to an 80-Watt soldering iron
- Works with specialty environmental connectors such as Proseal™ and Solderseal™
- Easy-to-use gas control knob
- Top-quality pre-tinned copper-based soldering tips
- Patented combustion chamber/exhaust port design

Applications

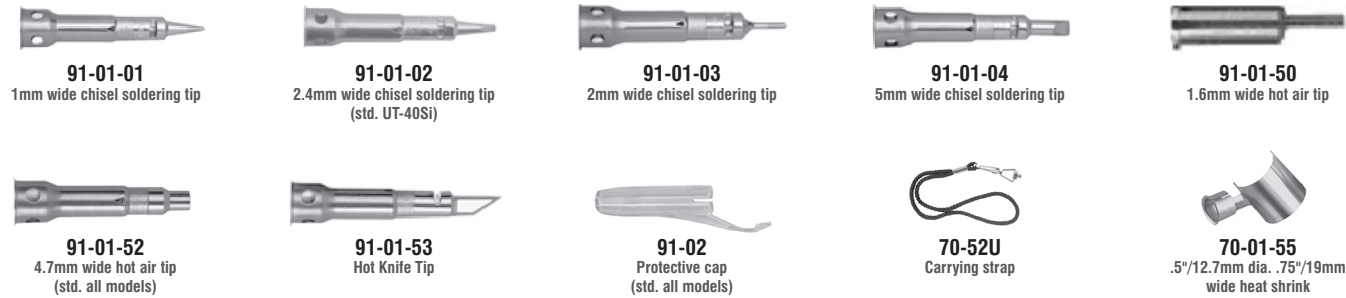
- Pinpoint heat
- Remove surface mount components
- Repair vinyl
- Shrink tubing and wire connectors
- Solder & desolder
- Spot dry
- **And more**

Ultratorch® Model UT-40Si

Self-Igniting Butane-Powered Soldering Iron and Heat Tool



The UT-40Si is a self-igniting soldering iron, heat tool. It comes standard with a protective cap, solder tip, and heat tip.



- 91-01-01**
1mm wide chisel soldering tip
- 91-01-02**
2.4mm wide chisel soldering tip (std. UT-40Si)
- 91-01-03**
2mm wide chisel soldering tip
- 91-01-04**
5mm wide chisel soldering tip
- 91-01-50**
1.6mm wide hot air tip
- 91-01-52**
4.7mm wide hot air tip (std. all models)
- 91-01-53**
Hot Knife Tip
- 91-02**
Protective cap (std. all models)
- 70-52U**
Carrying strap
- 70-01-55**
.5"/12.7mm dia., .75"/19mm wide heat shrink

Features & Benefits

- Lightweight and easily portable
- Adjustable temperature up to 1200°F (heat tip)
- Operates up to 1.25 hours per refill of Master Ultratane® butane
- Patented top-quality soldering tip with ceramic catalyst
- Easy-to-use self-igniting slide switch

Ultratorch UT-40Si	
Model No.	Description
UT-40Si	Ultratorch soldering iron/flameless heat tool
UT-40SiH	Ultratorch w/hot air tip & shrink attachment

Specifications	
▪ Approx. Soldering Tip Temp.: 840°F (450°C)	▪ Tool Dimensions: 8.3" L (200mm) w/o cap
▪ Approx. Hot Air Tip Temp.: 1202°F (650°C)	▪ Tool Net Weight: 2.6 oz.
▪ Equivalent to Electric Iron: 20 to 80 Watt	▪ Shipping Weight: 1 lb.
▪ Approx. Operating Time: 1.3 hrs.	▪ Shipped Empty
▪ Fuel Tank Capacity: .5 fl. oz.	▪

NOTE: Users should independently evaluate the suitability of the product for their application.

Optional Accessories			
Part No.	Description	Part No.	Description
Ultratip Soldering Tips		Hot Air Tips & Shrink Attachment	
91-01-01	1mm wide chisel soldering tip	91-01-50	1.6mm wide hot air tip
91-01-02	2.4mm wide chisel soldering tip (std. UT-40Si)	91-01-52	4.7mm wide hot air tip (std. all models)
91-01-03	2mm wide chisel soldering tip	70-01-55	.5"/12.7mm dia., .75"/19mm wide heat shrink attachment (std. UT-40SiH) (requires 91-01-52)
91-01-04	5mm wide chisel soldering tip		
Hot Knife Tip		Protective Cap & Carrying Case	
91-01-53	Hot knife tip	91-02	Protective cap (std. all models)
		70-52U	Carrying strap

Ultratorch® Model UT-50

Pen-Sized Butane-Powered Soldering Iron and Heat Tool



The UT-50 is a pocket-sized 3-in-1 tool, serving as a soldering iron, flameless heat tool and torch. It comes standard with a protective cap, soldering tip, and heat tip.



- 71-01-01**
1mm dia. tapered needle tip
- 71-01-02**
2.4mm dia. chisel tip (standard)
- 71-01-03**
2mm dia. spade tip
- 71-01-04**
3mm dia. spade tip
- 71-01-50**
1.5mm dia. hot air tip
- 71-01-52**
4.7mm dia. hot air tip (standard)
- 70-35**
.5"/12.7mm dia., .75"/19mm wide heat shrink attachment

Features & Benefits

- Lightweight and easily portable
- Aluminum fuel tank with viewing window
- Operates nonstop for approx. 20 minutes at #3 setting
- Solder tip can reach 842°F, equivalent to a 60-Watt soldering iron
- Torch tip can reach 2372°F
- Works with specialty environmental connectors such as Proseal™ and Solderseal™
- Top-quality pre-tinned copper-based soldering tips
- Patented combustion chamber/exhaust port design

Applications

- Pinpoint heat
- Remove surface mount components
- Repair vinyl
- Shrink tubing
- Solder & desolder
- Strip insulation
- Spot dry
- Torch materials
- **And more**

Ultratorch UT-50	
Model No.	Description
UT-50	Pen-sized butane-powered soldering iron, flameless heat tool and torch with hot air tip, soldering tip and protective cap

Specifications	
▪ Approx. Soldering Tip Temp.: 392° - 842°F (200° - 450°C)	▪ Fuel Tank Capacity: .2 fl. oz. (6 cc)
▪ Approx. Hot Air Tip Temp.: 806°F (430°C)	▪ Tool Dimensions: 6.5" L (165mm)
▪ Approx. Torch Tip Temp.: 2372°F (1300°C)	▪ Net Weight: 2.2 oz
▪ Equivalent to Electric Iron: 20 to 60 Watt	▪ Shipping Weight: 1 lb.
▪ Approx. Operating Time: 20 min.	▪ Shipped Empty

NOTE: Users should independently evaluate the suitability of the product for their application.

Optional Accessories	
Part No.	Description
71-01-01	1mm dia. tapered needle tip
71-01-02	2.4mm dia. chisel tip (std.)
71-01-03	2mm dia. spade tip
71-01-04	3mm dia. spade tip
70-35	Ejector spanner wrench
71-01-50	1.5mm dia. hot air tip
71-01-52	4.7mm dia. hot air tip (std.)
70-01-55	.5"/12.7mm dia., .75"/19mm wide heat shrink attachment
70-52U	Carrying strap

Ultratorch® Model UT-200Si

High-Powered Butane-Powered Soldering Iron, Heat Tool and Torch



The **UT-200Si** is a high-powered, self-igniting unit serving as a soldering iron and flameless heat tool for heavy duty jobs. It comes standard with solder tip, heat tip, shrink attachment, and protective cap.

Ultratorch UT-200Si

Model No.	Description
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UT-200Si Self-igniting, butane-powered soldering iron/heat tool, with soldering tip, hot air tip, shrink attachment and protective cap

Specifications

- **Approx. Soldering Tip Temp.:** 482° - 986°F (250° - 530°C)
- **Approx. Hot Air Tip Temp.:** 1004°F (540°C)
- **Approx. Operating Time:** 120 min.
- **Fuel Tank Capacity:** 2.2 fl. oz. (63 cc)
- **Tool Dimensions:** 11.9" L (300mm)
- **Tool Net Weight:** 9 oz.
- **Tool Kit Weight:** 13.3 oz.
- **Shipping Weight:** 1 lb.
- **Shipped Empty**

NOTE: Users should independently evaluate the suitability of the product for their application.

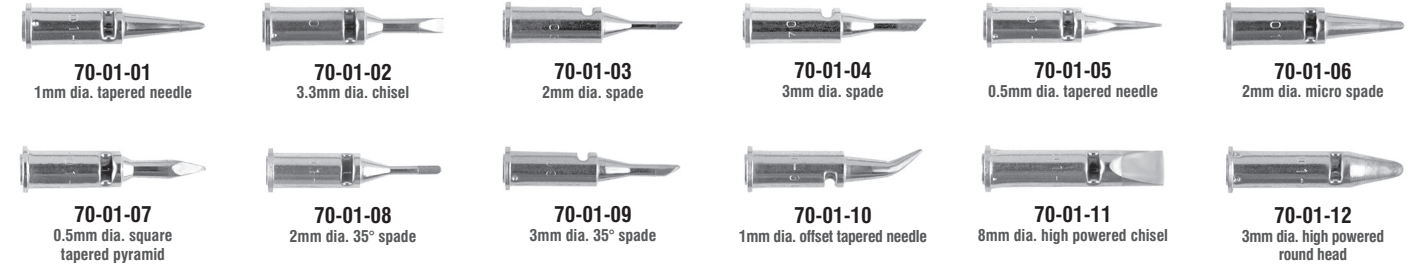
Features & Benefits

- Built-in fuel filter for consistent fuel ignition
- Built-in window indicates fuel level
- Operates nonstop for approx. 4.5 hours at #3 setting
- Adjustable temperature up to 1004°F (hot air tip)
- High-performance solder tip can reach 986°F
- Equivalent to a 200-Watt soldering iron
- Works with specialty environmental connectors such as Proseal™ and Solderseal™
- Easy-to-use gas control knob
- Top-quality pre-tinned copper-based soldering tips
- Patented combustion chamber/exhaust port design

Applications

- Pinpoint heat
- Shrink tubing
- Solder & desolder
- Strip insulation
- Terminate specialty connectors
- **And more**

Ultratip® Soldering Tips and Accessories



Ultratorch UT-100Si Tips and Accessories

Model No.	Description	Model No.	Description
Soldering Tips			
70-01-01	1mm dia. tapered needle soldering tip	70-01-08	2mm dia. 35° spade soldering tip
70-01-02	3.3mm dia. chisel soldering tip (std., all models)	70-01-09	3mm dia. 35° spade soldering tip
70-01-03	2mm dia. spade soldering tip	70-01-10	1mm dia. offset tapered needle soldering tip
70-01-04	3mm dia. spade soldering tip	70-01-11	8mm dia. high powered chisel soldering tip (std., UT-100-TC, UT-100Si-TC)
70-01-05	0.5mm dia. tapered needle soldering tip (std. UT-100-TC, UT-100Si-TC)	70-01-12	3mm dia. high powered round head needle tip
70-01-06	2mm dia. micro spade soldering tip	70-01-13	.5mm dia. high powered long tapered chisel tip
70-01-07	0.5mm dia. square tapered pyramid soldering tip	70-01-15	7mm dia. 45° spade soldering tip
Hot Air Tips			
70-01-50	2.5 O.D./1.59 I.D. (mm) hot air tip	70-01-52	5.7 O.D./4.9 I.D. (mm) hot air tip (std. all models)
70-01-51	4.25 O.D./3.3 I.D. (mm) hot air tip	70-01-53	8.0 O.D./6.9 I.D. (mm) hot air tip
Hot Knife Tip			
70-01-16	Hot knife tip (std. UT-100-TC, UT-100Si-TC, UT-100SiHK)	70-01-14	8.4 tip adapter (4mm dia. x .7 pitch mm)
Accessories			
70-01-54	.75"/19mm dia., .825"/22.2mm wide heat shrink attachment	70-40U	Metal storage box (std. with UT-100, UT-100SiK)
70-01-55	.5"/12.7mm dia., .75"/19mm wide heat shrink attachment (std. all models)	70-43	Tool holder (std. with UT-100, UT-100SiK)
70-02	Protective cap (std. UT-100, UT-100-TC)	70-52U	Carrying strap
70-07TU	Ejector, torch (std. UT-100, UT-100-TC)	80-40	Open end wrench (std. UT-100Si, UT-100SiK and UT-100Si-TC)
70-35	Ejector spanner wrench	90-02	Protective cap (std. UT-100Si, UT-100Si-TC)
70-37U	Tip cleaner sponge (std. with UT-100, UT-100SiK)		

Ultratip Soldering Tips for Use with UT-100Si Ultratorches

- Oxygen-free, copper based Ultratip soldering tips have thick iron and chrome plating for long life and high thermal conductivity
- Ultratip soldering tips feature leading-edge combustion chamber/exhaust port design
- Ultratips are manufactured using a patented process which produces uniform iron and chrome plating thickness
- All tips pre-tinned with lead-free solder

