

PLATO[®]

Quality Tools for Electronic Assembly and Repair



TECH SPRAY L.P.

TABLE OF CONTENTS

Accessories

Lead Cutters • Lead Former 1
 Solder Pots 2
 Desoldering Braid 3
 Precision Tweezers 4
 Flux and Liquid Dispensers 6
 Tip Cleaning Sponges 8
 Soldering Accessories 9

Soldering Tip Care and Maintenance

. 10

Soldering Tips

. 11
 Weller® 12
 Ungar® 18
 Hakko® 19
 O.K. Industries® 19, 29, 31
 Hexacon® 25
 Bonkote® 26
 Edsyn Loner® 28
 Ersa® 30
 Pace® 31, 34
 Antex® 33
 Oryx® 33
 1/8" Tips 34
 3/16" Tips 35
 1/4" Tips 35
 5/16" Tips 37
 3/8" Tips 37
 5/8" Tips 38

Desoldering Tips

. 39
 Air-Vac® 40
 A.P.E.® 40
 Pace® 40
 O.K. Industries® 41
 Edsyn® 41
 Hakko® 42
 Weller® 43
 Plato® 43

Soldering/Desoldering Tip Cross Reference

. 44



Dear Valued Distributor:

Techspray® is your source for soldering tools and consumable products used in electronic assembly and repair, supplying replacement soldering iron tips, chemicals, and MRO supplies. Our founding philosophy of partnership with distribution still guides our customer intimate strategy today. Everyone on the Techspray® team is committed to joining with distribution to deliver outstanding service, the highest quality products, a broad product offering, and excellent technical support. We are driven to be the "easiest to do business with" supplier to your organization.

Enhancing our ability to serve you, Techspray® acquired Plato® Products Inc. in September 2003, creating a dynamic synergy of soldering tools, chemicals, and accessories to service the printed circuit board. Techspray® now offers an unparalleled offering of tools and consumable products for the electronic assembly and repair industry.

Please contact us with any question at 800-858-4043 or email us at tsales@techspray.com and experience customer intimacy.

Sincerely,

Richard Russell
 Chairman/CEO
 Tech Spray, L.P.

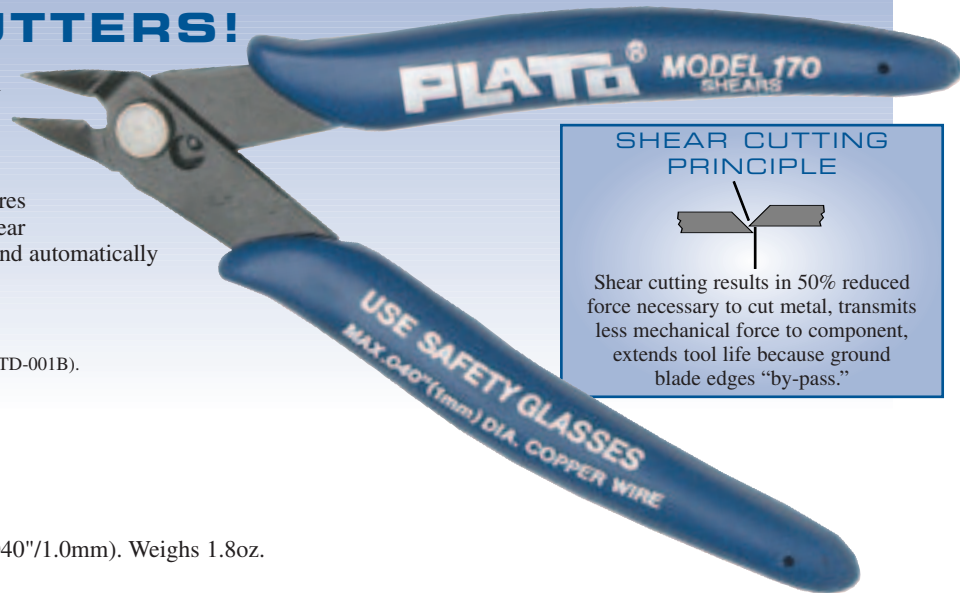
THE ELECTRONIC INDUSTRY'S MOST POPULAR LEAD CUTTERS!

Plato® shears have a thin profile designed for those hard-to-reach areas in electronic assembly. Assemblers love the effortless shearing action, comfort, light weight, and safety for electronics lead and wire cutting.

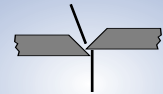
Platoshears use the shear cutting method (see inset), which requires 50% less operator effort and extends cutting life because they shear rather than pinch. Handles are cushioned for day long comfort, and automatically spring back to their original position after each use.

- Ergonomically designed
- Reduces operator fatigue
- Requires 50% less operator effort

Specifications:
Meets ANSI (J-STD-001B).



SHEAR CUTTING PRINCIPLE



Shear cutting results in 50% reduced force necessary to cut metal, transmits less mechanical force to component, extends tool life because ground blade edges "by-pass."

170 PLATOSHEAR

- GENERAL PURPOSE LEAD CUTTER

Flush cuts component leads as large as 18 AWG copper wire (.040"/1.0mm). Weighs 1.8oz. (51g) and is 5.15" (131mm) long.

170SD • 175SD PLATOSHEAR

- STATIC DISSIPATIVE LEAD CUTTER

170SD and 175SD (not shown) have permanently static dissipative plastic grips which meet DOD-STD-1686 and MIL-B-81705, Type 2. Otherwise, they are identical to Platoshears 170 and 175.



170SMD PLATOSHEAR

- LOW PROFILE LEAD CUTTER

For use in restricted areas. The low profile nose and narrow head, combined with a nose width of less than .025" (0.6mm) per side enables cuts of SMD leads up to .020" (0.5mm) diameter with openings between leads as small as .028" (0.7mm). Includes unique SAF-T-LINK® feature for greater operator safety.



175 PLATOSHEAR

- LEAD CUTTER WITH SAFETY GUARD

Platoshear 175 has a permanently attached safety guard that reduces the risk of lead fly-off.

1755 PLATO BIG SHEAR

- WIRE/CABLE CUTTER

Cuts round and flat cable, co-ax, nickel, Kovar, and other wire with a clean shearing cut that reduces cable cut-end distortion. Lightweight design, only 2.5 ounces (71g), significantly reduces operator fatigue.

473 LEAD FORMER

- FORMS STANDOFFS IN COMPONENT LEADS

Form standoffs as close as .062" (1.6mm) from the component body with a single squeeze. An adjusting screw sets the radius and depth of the bend. The tool's sturdy construction features a double-coil steel return spring and vinyl handles that fit comfortably in the palm of the hand. Forms wire up to .030" (0.8mm) diameter.

Makes these forms and many more:

Specifications:
Meets ANSI (J-STD-001B)



175



170SMD



1755



473



PRECISION SOLDER POTS

Plato's Solder Pots exceed the requirements of military specifications ANSI (J-STD-001B). The pots control temperatures to $\pm 5^\circ\text{F}$ ($\pm 2.75^\circ\text{C}$) from ambient to 925°F (496°C) and have an LCD temperature display.

- Solid state controller limits transient voltage spiking to 2mV peak-to-peak or less for voltage sensitive components
- Temperature preset switch to lock-in the desired temperature
- LCD displays preset temperature and operating temperature
- Built-in surge suppression and power line circuit breaker
- All metal construction is ESD safe
- Output jack for external temperature recorder or data logger

SP-500T • SP-150T

- 2.5" (64mm) diameter by 1.5" (38mm) deep crucible
- Capacity: 2.0 lbs. (1kg)

SP-600T • SP-750T

- Large capacity crucible, 4" (102mm) by 6" (152mm) by 4" (102mm) deep
- Safety warm-up crucible cover
- Capacity: 32 lbs. (14kg)

PORCELAINIZED SOLDER POT CRUCIBLE OPTION



Each Plato® solder pot is available with a porcelainized crucible (SP-500TP, SP-150TP, SP-600TP, SP-750TP).

- Easy to clean and offers a long service life
- Solder will not adhere to the porcelainized surface, which allows for easier maintenance
- Resists corrosion from activated fluxes and chemicals

Cast Iron Crucible Model	Porcelainized Crucible Model	Input	Wattage	Temperature Range
SP-500T	SP-500TP	120VAC	350	Ambient to 925°F (496°C)
SP-150T	SP-150TP	240VAC	350	Ambient to 925°F (496°C) CE
SP-600T	SP-600TP	120VAC	1000	Ambient to 750°F (399°C)
SP-750T	SP-750TP	240VAC	1000	Ambient to 750°F (399°C) CE

SP-150T, SP-150TP, SP-750T and SP-750TP Display Temperature in Celsius.

EASY-TO-READ DISPLAY

REMOVABLE DROSS TRAY FOR EASY CLEANING

SAFETY HEAT SHIELD



SP-500T • SP-150T

ADJUSTABLE LEVELING FEET

CE APPROVED



SP-600T • SP-750T



General Purpose Solder Pots

Plato General Purpose Solder Pots control temperature to $\pm 11^\circ\text{F}$ ($\pm 6^\circ\text{C}$) through the use of a thermal timer switch with automatic correction for voltage fluctuations.

SP-100 • SP-201 • SP-301 • SP-401

- Three position control switch with infinitely variable temperature control
- Safety heat shield
- Removable dross tray for easy cleaning
- 2.5" (64mm) diameter by 1.5" (38mm) deep crucible
- Adjustable leveling feet
- Capacity: 2.0 lbs. (1kg)

CE APPROVED

Cast Iron Crucible Model	Porcelainized Crucible Model	Input	Wattage	Temperature Range
SP-101	SP-101P	120VAC	350	500° to 975°F (525°C)
SP-201	SP-201P	240VAC	350	500° to 975°F (525°C) CE
SP-301	SP-301P	120VAC	500	500° to 1100°F (595°C)
SP-401	SP-401P	240VAC	500	500° to 1100°F (595°C) CE



DESOLDERING BRAID

Desoldering braid is used to remove solder, which allows components to be replaced and excess solder to be cleaned off. Plato® desoldering braid combines innovative product design with proprietary processing. All this plus exacting quality control makes Plato® a premium name in wick!

ADVANCED BRAID DESIGN

The large surface area created by the one-over, one-under construction enhances the absorption and trapping of molten solder.

ULTRA-PURE PROCESS

To ensure fast, reliable wicking action, the copper braid is cleaned using a proprietary, multi-stage process that removes oxidation and other residues before flux is added.

VACUUM-PACKAGED

For longer shelf life, Plato® desoldering braid is vacuum sealed in durable clear plastic to protect it from moisture and other environmental elements.








ESD-SAFE BOBBINS

Plato desoldering braid comes in static dissipative bobbins (except 25', 50' and 100' spools) for static sensitive environments.

How To Order:

Specify "Part Number" and "Length."
For example: XL1-5 for 5 feet of #1 white desoldering braid.

#1 WHITE	#2 YELLOW	#3 GREEN	#4 BLUE	#5 BROWN
				
.035" (0.9mm)	.055" (1.4mm)	.075" (1.9mm)	.098" (2.5mm)	.130" (3.3mm)



PLATO-WICK XL PREMIUM DESOLDERING BRAID (PURE ROSIN)

For the fastest wicking action, rosin flux coated braid is ideal for high volume PCB production/repair environments.

Size/Color	XL1	XL2	XL3	XL4	XL5
Length	-5 -10 -25 -50 -100	-5 -10 -25 -50 -100	-5 -10 -25 -50 -100	-5 -10 -25 -50 -100	-5 -10 -25 -50 -100

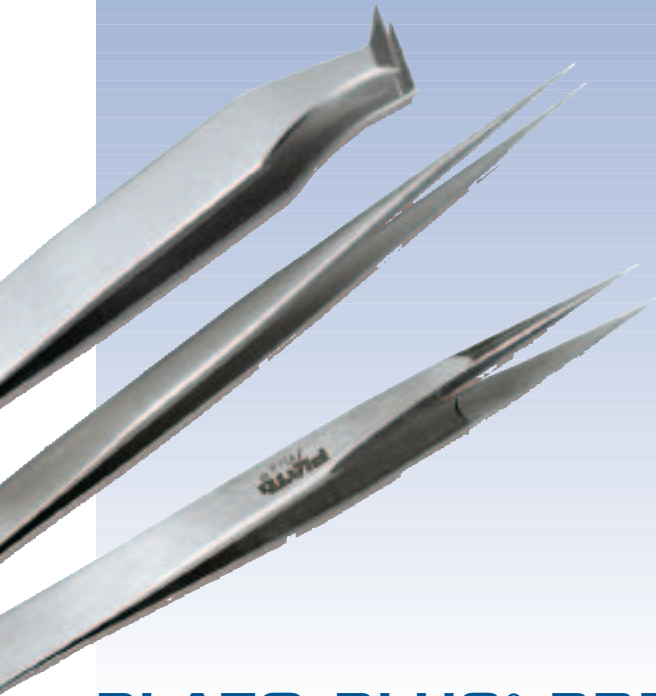


PLATO-WICK NO-CLEAN DESOLDERING BRAID

The cleanest No-Clean braid in the industry. The proprietary flux formula is specially designed to avoid catastrophic and latent PCB failures caused by ionic flux residue.

Size/Color	XLNC1	XLNC2	XLNC3	XLNC4	XLNC5
Length	-5 -10	-5 -10	-5 -10	-5 -10	-5 -10

25', 50' and 100' spools not available in ESD bobbins.



PRECISION TWEEZERS

+ SWISS-MADE FOR UNMATCHED QUALITY

Plato® Precision Tweezers ideally suited for fine electronic assembly and repair work. Swiss quality assures that points retain their shape even with high-volume usage. There are cheaper tweezers in the marketplace, but Plato® Precision Tweezers will save money over the long-term with extended instrument life and high precision.

Plato® Precision Tweezers are crafted from stainless steel to exacting standards and are corrosion resistant, anti-magnetic, and ESD safe. The satin finish avoids glare when doing work under magnification.

- Stainless steel
- Lightweight – well balanced
- Anti-magnetic
- Acid-resistant
- Satin finish
- ESD safe

PLATO PLUS® PRECISION TWEEZERS
WITH EXCLUSIVE QINTEL® ALLOY TIPS



Plato Plus® Tweezers are more durable than other tweezers and have a closure pressure designed for day-long user comfort and efficiency.

They continually flex and return to their original shape because of the exclusive Qintel® Alloy Tips welded to the stainless steel body.

Part No.	Length	Tweezer Tip Drawing	Part No.	Length	Tweezer Tip Drawing
TZQ-200-1	4.75" (121mm) General use, strong blades with fine points	 Style 1	TZQ-206-5A	4.75" (121mm) Fine strong points with angle for visibility	 Style 5A
TZQ-201-2	4.75" (121mm) General use, blades taper from body, regular beveled points	 Style 2	TZQ-207-5F	4.25" (108mm) Extra fine points with long, sharply tapered blades	 Style 5F
TZQ-202-3	4.75" (121mm) Assembly work, fine radius points	 Style 3	TZQ-208-7	4.5" (114mm) Assembly work, curved super fine radius points	 Style 7
TZQ-204-4	4.25" (108mm) Extra fine work, blades taper sharply to fine radius points	 Style 4	TZQ-209-F	4.75" (121mm) Rounded flat tips for general use	 Style F
TZQ-205-5	4.25" (108mm) Extra fine work, long blades taper sharply to super fine radius points	 Style 5	TZQ-210-SS	5.4" (137mm) Extra long tweezers with fine points	 Style SS

PLATO® PRECISION CUTTING TWEEZER

TZF-414-15

Plato's Cutting Tweezer cuts wire, leads and other materials in restricted spaces.

Made of the finest stainless steel which assures the best combination of anti-magnetic and acid resistant characteristics.



Style 15A-GW

PLATO® 4-STAR PRECISION TWEEZERS

Plato® 4-Star Precision Tweezers are Swiss made and designed for use in handling, assembling, adjustment, and repair of electronic and other micro-miniature parts where firm yet delicate touch is required.

The stainless steel used in Plato® 4-Star Tweezers provides the best combination of anti-magnetic and acid resistant characteristics. Carefully controlled heat treatment assures durability of point-to-point alignment. All tweezers have a non-glare satin brushed finish, ideal for work under magnification.

Part No.	Length	Tweezer Tip	Part No.	Length	Tweezer Tip Drawing
TZF-400-1	4.75" (121mm)	General use, strong blades with fine points	TZF-407-5F	4.25" (108mm)	Extra fine points with long, sharply tapered blades
TZF-401-2	4.75" (121mm)	General use, blades taper from body, regular beveled points	TZF-408-7	4.5" (114mm)	Assembly work, curved super fine points
TZF-402-3	4.75" (121mm)	Assembly work, fine radius points	TZF-409-F	4.75" (121mm)	Rounded flat tips for general use
TZF-403-3C	4.25" (108mm)	Assembly work, very fine radius points like No. 3 but shorter	TZF-410-SS	5.38" (137mm)	Extra long tweezer with fine points
TZF-404-4	4.25" (108mm)	Extra fine work, blades taper sharply to fine radius points	TZF-411-00	4.75" (121mm)	Heavy duty, strong blades, tapered
TZF-405-5	4.25" (108mm)	Extra fine work, long blades taper sharply to super fine radius points	TZF-412-AA	5" (127mm)	Same as 00 but longer
TZF-406-5A	4.75" (121mm)	Fine strong points with angle for visibility	TZF-413-MM	5" (127mm)	Assembly tweezer, extra long blades, fine beveled points
		Style 1			Style 5F
		Style 2			Style 7
		Style 3			Style F
		Style 3C			Style SS
		Style 4			Style 00
		Style 5			Style AA
		Style 5A			Style MM

PLATO® SoftTweezer™

FOAM CUSHION GRIPS OFFER COMFORT & CONTROL

Plato® SoftTweezers combine Swiss-made quality with a soft, comfortable grip. The ergonomic handle prevents operator fatigue and improves control. ESD safe foam makes these tweezers ideally suited for any electronic assembly or repair operation.

- Improves operator control
- Ergonomically designed
- Reduces fatigue
- ESD safe handles and tweezers



Part No.	Size	Tweezer	Part No.	Size	Tweezer
TZS-500-1	4.875" (124mm)	General use, strong blades with fine points	TZS-508-7	4.625" (118mm)	Assembly work, curved super fine points
TZS-501-2A	4.875" (124mm)	General use, blades taper from body, blunt points	TZS-512-AA	5.125" (130mm)	Heavy duty, strong blades, tapered
TZS-502-3C	4.875" (124mm)	Assembly work, fine radius points	TZS-511-00	4.875" (124mm)	Same as AA but shorter
TZS-505-5	4.375" (111mm)	Extra fine work, long blades taper sharply to super fine radius points	TZS-514-AGW	4.875" (124mm)	Cuts wire leads and other materials in restricted spaces
		Style 1			Style 7
		Style 2A			Style AA
		Style 3C			Style 00
		Style 5			Style 15A-GW



FLUX & LIQUID DISPENSERS

Plato® flux and liquid dispensers come in several shapes and sizes to work in a wide variety of soldering applications. Needle bottles are ideal for precisely controlled flux applications. Brush bottles are a great way to aggressively but safely clean flux residues and other contaminants from PCB's. General bottles are also available to keep sponges wet.



PERMANENTLY STATIC DISSIPATIVE DISPENSERS



Plato®-Stat bottles are surrounded by permanently static dissipative sleeves that stay out of contact with flux and other liquids. This prevents conductive "hot spots" on the surface of the bottle.

Brush bottles (SF-B2HS, SF-B2HH), needle bottles (SF-01, SF-02), and general flux bottles (SF-250, SF-401, SF-801, SF-1601) available with permanently static dissipative sleeves. Sleeves (SF-4, SF-6, SF-8) also available for pump bottles.

- Protects voltage sensitive devices from static discharge
- Meets ANSI (J-STD-001B)
- Meets the requirements of DOD-STD-1686 for containers
- Physical characteristics comply with MIL-B-81705, Type 2

PLATO®-STAT PERMANENTLY STATIC DISSIPATIVE PLASTIC

ELECTRICAL PROPERTIES

Surface Resistivity: $1 \times 10^7 - 1 \times 10^9$ ohm/sq
 Volume Resistivity: $1 \times 10^7 - 1 \times 10^9$ ohm/cm

STATIC DECAY (COND. 24 HRS. @ 72°F, 15% RH)

5 KV to 0.5 KV (NFPA 56A): less than 0.02 sec.
 5 KV to 0.0 KV (FTS 101/4046): less than 0.02 sec.
 Triboelectric Charge: none

SOLVENT RESISTANCE

Hexane: 1.04×10^{-1} g/m² hydrocarbon
 Acetone: 2.34×10^{-1} g/m² hydrocarbon
 IPA (Isopropyl Alcohol): 5.0×10^{-2} g/m² hydrocarbon

CLEAN ROOM PARTICULATE GENERATION

5.0 micron particles: 152 / ft³ air/max
 0.5 micron particles: 31 / ft³ air/max
 Contact Contamination: 2 micrograms / 25 cm² hydrocarbon
 Silicones: none
 Sulfides: none
 Chlorides: none
 Metallization: none
 Tertiary Amines: none

PHYSICAL CHARACTERISTICS

Military Specifications: complies with MIL-B-81705, Type 2
 Color: gray
 Clean Room Criteria: meets Class 10,000

The above product information was supplied by the manufacturer of the static dissipative plastic. Further information is available upon request.

SOLVENT DISPENSER SLEEVES



Permanently static dissipative solvent dispenser sleeves designed to fit standard 4, 6, and 8 oz. pump bottles. Compatible with Techspray® Techpump Bottles 1980, 1981, and 1982.

SF-4 - Solvent sleeve fits over 4 oz. (118ml) dispensing bottle.

SF-6 - Solvent sleeve fits over 6 oz. (177ml) dispensing bottle.

SF-8 - Solvent sleeve fits over 8 oz. (237ml) dispensing bottle.

Packed 10 per box.

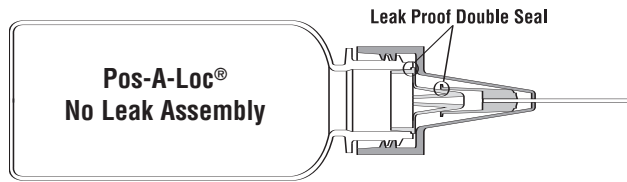
Bottles shown: Techspray 1980, 1981, 1982 (not included).




NEEDLE FLUX DISPENSERS

- UNIQUE, NO LEAK DESIGN!
- MEETS ANSI (J-STD-001B)

Plato's new POS-A-LOC® leak proof liquid dispensers offer a convenient way to dispense precise amounts of a variety of liquids without dripping, spilling or waste.



 ESD Safe "NO LEAK" Plato® Flux Bottles have all the features of our standard flux bottles, and meet the requirements of ANSI (J-STD-001B).

FD-21 - 2 oz. dispenser bottle with .010" (.25mm) needle.

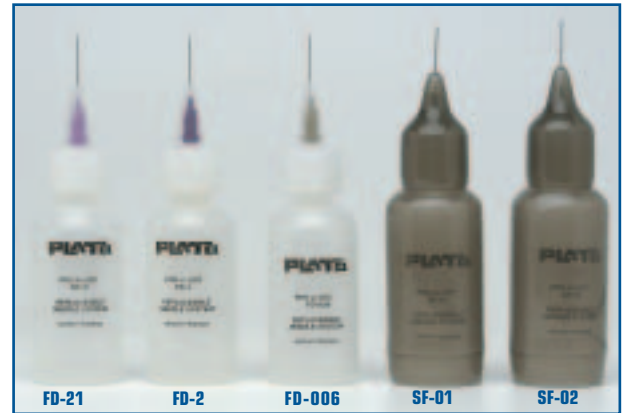
FD-2 - 2 oz. dispenser bottle with .020" (.2mm) needle.

FD-006 - 2 oz. dispenser bottle with .006" (.15mm) needle.

 **SF-01** - 2 oz. ESD Safe, dispenser bottle with .010" (.25mm) needle.

 **SF-02** - 2 oz. ESD Safe, dispenser bottle with .020" (.2mm) needle.

Packed 10 per box.



Stainless Steel Replacement Needles*
1" (25.4mm) Long

Plato No.	Capillary ID
FDN-006*	.006" (.15mm)
FDN-010	.010" (.25mm)
FDN-020	.020" (.50mm)
FDN-032	.032" (.81mm)
FDN-038	.038" (.97mm)
FDN-053	.053" (1.35mm)
FDN-066	.066" (1.68mm)

* FDN-006 has 0.5" (13mm) needle length.


Flexible Teflon Needles*
1.5" (38.1mm) Long


Plato No.	Capillary ID
FDNT-022	.022" (.56mm)
FDNT-042	.042" (1.07mm)


* All needles packaged 10 per pack.


GENERAL FLUX & LIQUID DISPENSING BOTTLES

BC-250 - Polyethylene bottle, screw cap, and dispensing tube with 8 oz. (237ml) capacity. Inexpensive way to wet sponges and dispense liquids at the work bench without waste.

 **SF-250** - 8 oz. bottle encased in permanently static dissipative plastic that provides electrostatic discharge protection to meet DOD-STD-1686 and MIL-B-81705, Type 2.

 **SF-401** - 4 oz. (118 ml) dispenser bottle with spout. Bottle encased in permanently static dissipative plastic that provides electrostatic discharge protection to meet DOD-STD-1686 and MIL-B-81705, Type 2.

 **SF-801** - 8 oz. (237 ml) dispenser bottle with spout. Bottle encased in permanently static dissipative plastic that provides electrostatic discharge protection to meet DOD-STD-1686 and MIL-B-81705, Type 2.


 **SF-1601** - 16 oz. (473 ml) dispenser bottle with spout. Bottle encased in permanently static dissipative plastic that provides electrostatic discharge protection to meet DOD-STD-1686 and MIL-B-81705, Type 2.




BRUSH SCRUB BOTTLE

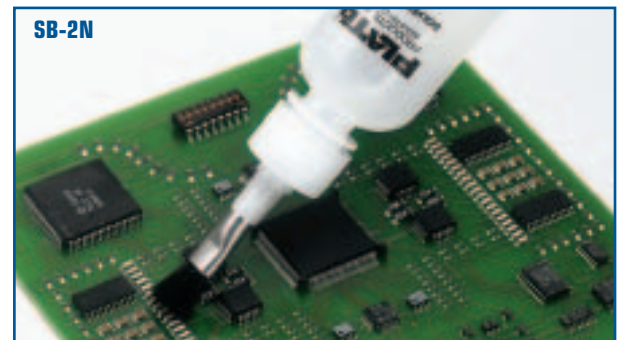
Handy 2 oz. (59ml) polyethylene solvent dispenser with scrub brush provides an inexpensive and safe method to spot clean PCB assemblies.

SB-2N - 2 oz. bottle with nylon bristles that have medium stiffness for general flux removal.

 **SF-B2HS** - 2 oz. bottle with natural horse hair that has soft to medium stiffness. Durable and works well for flux removal and general cleaning. Combination of static dissipative jacket and natural material meets ANSI (J-STD-001B).

 **SF-B2HH** - 2 oz. bottle with natural hog bristles that are medium to stiff and works well for removing difficult, sticky, crusty, or viscous materials. Combination of static dissipative jacket and natural material meets ANSI (J-STD-001B).

Packed 10 per box.



Replacement Brush Assemblies

SB-N	Nylon Bristle	All replacement brushes are packaged 10 per pack and come assembled and ready to attach to your existing Plato® - Brush Scrub Bottle.
SB-HS	Soft Horse Hair	
SB-HH	Stiff Hog Bristle	



TIP CLEANING SPONGES

Plato® sponges are manufactured with pure cellulose (a wood derivative) which has the ability to absorb many times its weight in water. Also resistant to abrasion and tearing forces that occur during the tip wiping process.

Cellular structure is designed to expand when wet, and retain water for long periods of time. Meets ANSI (J-STD-001B) for low sulphur content and fine porosity.

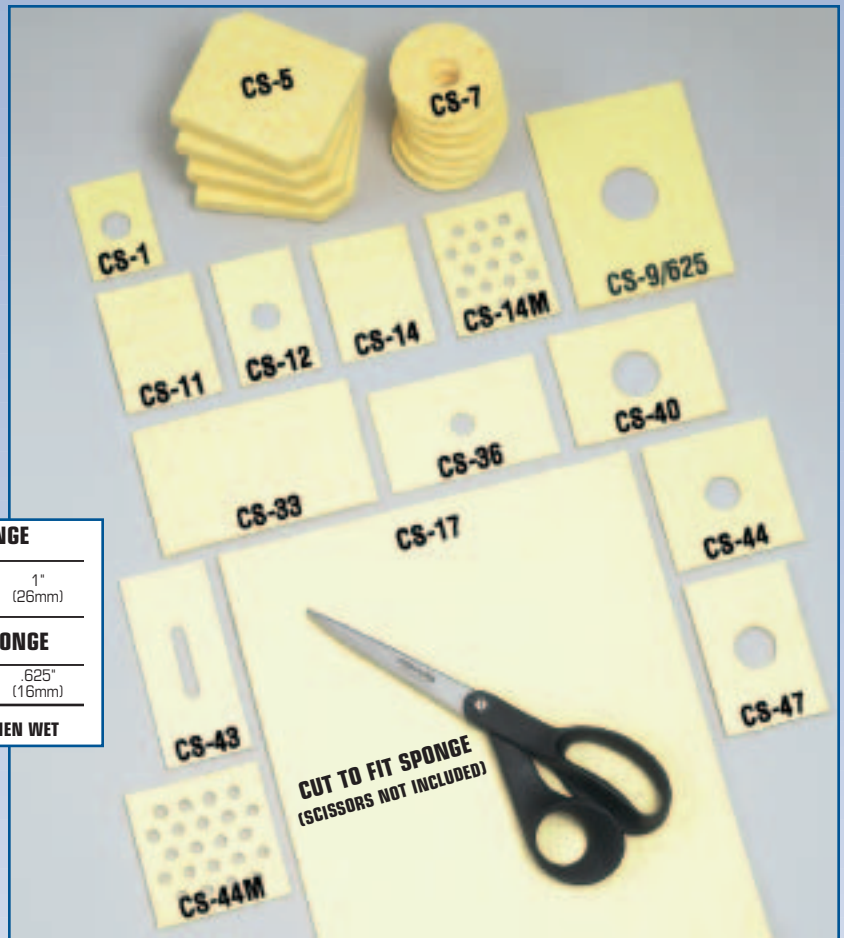
PREMIUM AND PRICE SAVER SPONGES AVAILABLE

Plato® Premium Sponges are 1" thick, for maximum water retention. Price Saver Sponges are made of the same high-quality materials, but are 5/8" thick, reducing cost without sacrificing wiping surface area!

CAUTION: SYNTHETIC sponges are not recommended for use as tip cleaning sponges. Many cheap household type sponges are manufactured with man-made fibers and materials. These sponges contain colorings, sizings, plasticizers, stiffeners, and other contaminants which will promote detinning and shorter tip life.

Use only Plato pure cellulose sponges to aid in keeping your solder tips clean and to extend tip life.

PREMIUM SPONGE	1" (26mm)
PRICESAVER SPONGE	5/8" (16mm)
THICKNESS WHEN WET	



YOUR SOURCE FOR SOLDERING STATION SPONGES

PREMIUM SPONGES	PRICE SAVER SPONGES	Original Manufacturer's No.	Also Used With	Dimensions Inches	() = mm
CS-1	CS-1/625	Weller® SP-60, Pace® 4021-0005, Ungar® 9901.		1.5" x 2.12"	(38 x 54)
CS-5		American Beauty® 480S, Desco® 4101, Lerloy 65N. (Shipped full size, 4/pack.)	Lerloy #50 American Beauty #480	2.63" x 3.2"	(67 x 81)
CS-7		(Shipped full size, 7/pack.)	Plato® TW-555 or TWH-444	2.25" dia.	(57 dia.)
	CS-9/625	Hexacon® 8101, 8101C, 8121 or 8121C.	890, 890-30, 892, 892-30	3.5" x 4.5"	(89 x 114)
CS-11	CS-11/625	Plato® Vac-Kits and Hot Grips		2" x 2.63"	(51 x 67)
CS-12	CS-12/625	Metcal® STSS-YS1	WSI Workstand	1.7" x 2.7"	(43 x 69)
CS-14	CS-14/625	Weller® 52241999	Weller® WECP Iron WTCP, EC-2002	2.15" x 2.75"	(55 x 70)
CS-14M	CS-14M/625	Weller® 52241999		2.15" x 2.75"	(55 x 70)
CS-17	CS-17/625	Plato® Sponge Sheet (1/pack, you cut to size)		8.5" x 16.5"	(216 x 432)
CS-33	CS-33/625	Weller® EC-205	MF20/21, 896MS, 892MS,	2.7" x 4.5"	(70 x 114)
CS-36	CS-36/625	Hexacon® 8141, 8141C	Hexacon® 892A Holder, MV15/16	2.25" x 3.5"	(57 x 89)
CS-40	CS-40/625	Edsyn Loner® RS-199	Holder SH-230	2.5" x 3.25"	(64 x 83)
CS-43	CS-43/625	Hakko® 926-029B	Holder 926, 700	1.75" x 4.25"	(45 x 102)
CS-44	CS-44/625	Hakko® 609-029,A-1042, Weller® TC-205, Ungar® 9904.	Hakko® Holder 631, 632, 607, 609, C-100	2.7" x 2.7"	(69 x 69)
CS-44M	CS-44M/625	Hakko® 609-029,A-1042, Weller® TC-205, Ungar® 9904.		2.7" x 2.7"	(69 x 69)
CS-47	CS-47/625	Metcal® STSS-YS3, Ungar® 455, UTC234.	Metcal® STSS-WS4, STDS-WS3, STSS-WS5	2.1" x 3.2"	(53 x 81)

All sponges are shipped compressed in packs of 10 unless otherwise noted.

All dimensions are measured in the dry, compressed state and are subject to manufacturing tolerances and sponge expansion tolerances.



YOUR SOURCE FOR SOLDERING ACCESSORIES

TT-95 PLATO® TIP-TIN

- LEAD-FREE TIP TINNER / CLEANER

Plato's Tip-Tin provides fast, efficient cleaning and re-tinning of highly oxidized soldering iron tips safely and efficiently. This thermally-stable compound is lead-free, ESD, and environmentally safe.

A well-tinned soldering tip improves operator performance and satisfaction. Just wipe the oxidized soldering tip at normal soldering temperature into the tip tinner for a few seconds until the bright tinning surrounds the working end of the tip. Wipe excess residue on a wet cellulose sponge.

- Extends life of tip
- Lead free
- Fast response
- Easy to use

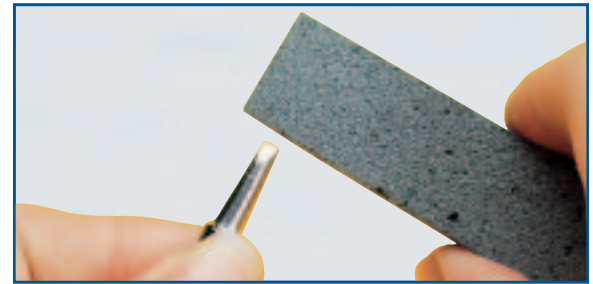


Tip-Tin TT-95 Tip Tinner/Cleaner

AB-3 TIP POLISHING BAR

Plato® Polishing Bar restores detinned tips for additional service by grinding off baked on oxidation. Save money on soldering iron tips by extending their lives.

Normally, detinned tips (unable to hold solder) are discarded. If the tips are not pitted or worn, buffing with the Plato® Polishing Bar will clean the tips and restore new life.



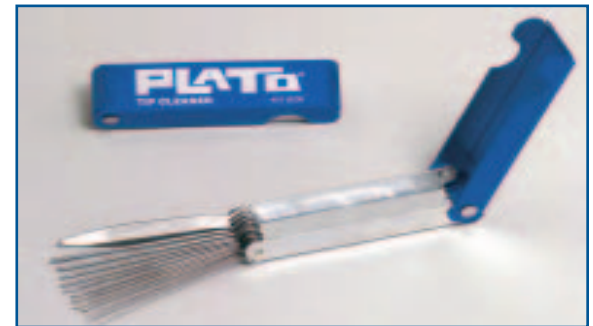
AB-3 Tip Polishing Bar

01-5000 DESOLDERING TIP CLEANING TOOL

This handy maintenance tool is used to remove solder and flux build-up from inside desoldering tips and solder collector paths.

Select the proper diameter rod to push out any unwanted loose particles or solder. Proper daily maintenance of desoldering equipment minimizes tip clogging and improves performance.

May be used on all popular desoldering equipment such as Pace®, Weller®, Plato®, Air-Vac®, APE®, Hakko®, and many others. Contains various tip cleaning rods from .020" (.5mm) to .065" (1.65mm) diameter.



Tip Cleaning Tool 01-5000

SOLDERING IRON HOLDERS & TIP WIPERS

- EFFICIENT, SAFE SOLDERING STATIONS

Stations allow the soldering iron to be removed from the holder and the tip to be cleaned in one continuous time-saving motion. Heavy double spiral wire construction protects the operator and secures the soldering iron. Other features include heavy duty plated construction and non-skid feet. Holders fit most irons up to 60 watt size.

Rotating tip wipers clean tips and allow residues to drop into the base, keeping the sponges clean. Rotation also keeps the sponges uniformly wetted, and prevents cratering and gouging. The heavy non-corrosive, non-skid, porcelain base provides a large water reservoir and eliminates rusting and corrosion. CS-7 Replacement Sponge Sets fit all tip wipers shown.

- | | | |
|-----------|---|---------------------------|
| TWH-444 | 1 | Single Holder w/tip wiper |
| TWH-444-2 | 1 | Double Holder w/tip wiper |
| H-100 | 1 | Single Holder |
| TW-555 | 1 | Rotating tip wiper |

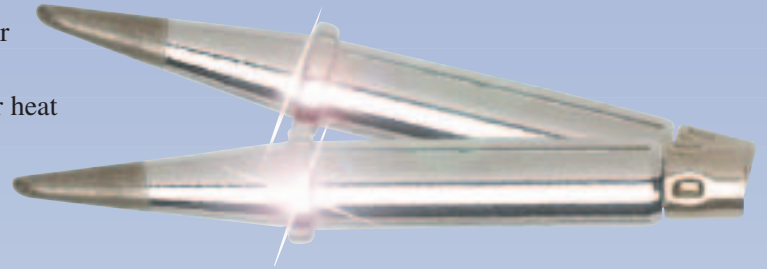


SOLDERING TIP MAINTENANCE GUIDE

EXTEND THE LIFE OF YOUR SOLDERING TIPS

Many operators unknowingly throw away soldering tips prematurely, when steps can be taken to give them new life. Soldering tips that fail to work are often simply detinned, coated with baked-on flux and other contaminants.

Detinned tips cannot be wetted by solder and fail to efficiently transfer heat to solder joints. Detinning is caused by a variety of factors, from operating at excessive temperatures to improper care and handling. The following are a few basic procedures that will prolong the life of your tips, speed up your soldering process, and save you money.



Step 1: Basic Tip Care with Sponge

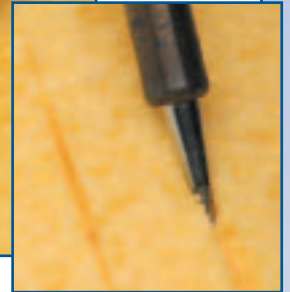
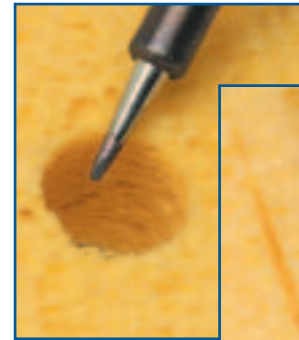


TAKING CARE OF NEW TIPS CAN MAKE THEM LAST 2-3 TIMES LONGER!

Consistently wiping off your soldering tip on a damp cellulose sponge is the most important thing you can do to maximize tip life. To prevent flux rosin and other contaminants from building up, wipe tip across a damp sponge while rotating.

The sponge needs to be damp, but not overly moist (which will cool down your tip and slow down heat recovery). Wet with ordinary tap water (use deionized water if your tap water is excessively hard) and wring out the sponge once.

Sponges with holes or slots can provide more surface area and allow contaminants to drop to the bottom of the sponge tray, keeping the wiping surface cleaner. Never wipe the tip on abrasive materials such as dry sponges, man-made sponges, rags, paper towels, or metal wool. Remember to retin after wiping if shutting down for the day.



Sponges with Slots & Holes

Step 2: Cleaning with Tip Tinner



LIGHTLY OXIDIZED TIP • LIGHT BROWN SURFACE

Eventually oxidation will build up that a sponge cannot remove. Tip Tinner is designed to aggressively remove light oxidation, effectively retinning without harming the tip surface. Wipe the oxidized tip at normal soldering temperature over the tip tinner while rotating until bright tinning surrounds the tip's working end. Immediately flood the working area of the tip with solder to retin.



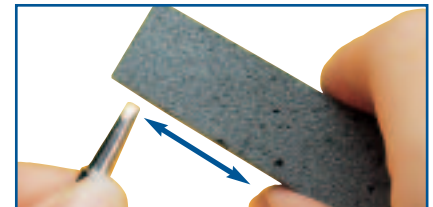
Tip-Tin TT-95 Tip Tinner/Cleaner

Step 3: Polish Off Oxidation



HIGHLY OXIDIZED TIP • DARK BROWN & BLACK SCALY SURFACE

Heavy oxidation that is not removed by Tip Tinner requires the use of a Polishing Bar. Wipe the cool tip (never hot) against the bar until the black contamination is removed. Take care not to be overly aggressive, which can remove iron plating as well. Immediately flood the working area of the tip with solder to retin.



AB-3 Tip Polishing Bar

Step 4: Time for a New Tip



PITTED SURFACE IS IRREPARABLE

After extended use and excessive oxidation, all soldering tips will eventually become pitted, at which point they must be replaced (see pages 44-45 for a handy cross-reference guide). To keep your tip from pitting prematurely, remember to always rotate your tip between each solder joint. Solder fed to the same spot can cause pits or holes. Never use the tip to scratch or pry components.



Rotate Tip Between Solder Joints

ALATO®

Soldering Tips

Your Source for
Soldering Iron Tips

Weller®	12
Ungar®	18
Hakko®	19
O.K. Industries®	19, 29
Hexacon®	25
Bonkote®	26
Edsyn Loner®	28
Ersa®	30
Pace®	31, 34
Antex®	33
Oryx®	33
1/8" Tips	34
3/16" Tips	35
1/4" Tips	35
5/16" Tips	37
3/8" Tips	37
5/8" Tips	38

- Only Brand of Replacement Tips You Need!
- Top Quality
- Long Life
- Fast Heat Recovery
- Competitively Priced
- Custom Tips for Robotic & Special Applications

Be sure to add temperature indicating number to Plato® part number when ordering Plato® C-Tips.

Use chart below, completing the part number by adding one of the following numbers as the final digit (example - C-3039-6):

6 (600°F/315°C) **7.5 (750°F/399°C)** **9 (900°F/480°C)**
7 (700°F/370°C) **8 (800°F/425°C)**

Weller®	PLATO® TIP	Tip drawings are actual size.
PTA	C-3039	
PTB	C-3040	
PTC	C-3036	
PTD	C-1016	
PTE	C-1017	
PTF	C-593	
PTH	C-3100	
PTJ	C-3865	
PTK	C-3043	
PTL	C-3044	
PTM	C-3102	
PTO	C-4223	

ATTENTION "NO CLEAN" FLUX USERS: The Plato 7.5 (750°F/399°C) temperature sensor is available on all C-series tips. The use of no-clean fluxes has introduced the risk of premature detinning of solder tips when exceeding temperatures of 750°F/399°C. To maximize your tip life, use Plato 7.5 Temperature Sensor when using no-clean fluxes and substantially reduce your risk of premature detinned tips.

Weller®	PLATO® TIP	Tip drawings are actual size.
PTP	C-462	
PTQ	C-5101	
PTR	C-1021	
---	C-4794	
PTS	C-494	
PTT	C-4309	
PTX	C-9100	
PTZ	C-983	
PTAA	C-5139	
PTBB	C-5143	
PTCC	C-5141	
PTDD	C-5142	
---	C-0601	
PTMX	C-0602	
---	C-0551	

Indicated temperature ranges are nominal and will vary according to style of tip, condition of iron, manner of use, and other variables. All dimensions are shown before tinning and are subject to manufacturing tolerances.

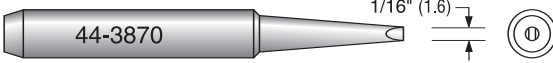
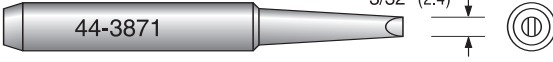





All points are 1/32" (0.8) thick unless otherwise noted. Tip samples available. Custom tip designs on request. () = mm

Weller®	PLATO® TIP	Tip drawings are actual size.
ETA	EW-303	
ETB	EW-305	
ETC	EW-307	
ETD	EW-103	
---	EW-105	
ETH	EW-301	
ETJ	EW-302	
ETK	EW-304	
ETL	EW-306	
ETM	EW-308	
ETO	EW-404	
ETP	EW-403	
ET-JL	EW-0939	
ET-SMD 2.5mm	EW-0940	
ET-SMD 3.8mm	EW-0941	












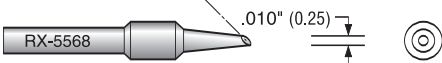

The interior surfaces of these tips are protected to prevent adhesion to the sensor. All dimensions are shown before tinning and are subject to manufacturing tolerances.

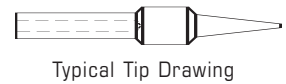
All points are 1/32" (0.8) thick unless otherwise noted. Tip samples available. Custom tip designs on request. () = mm

Weller®	PLATO® TIP	Tip drawings are actual size.
ETR	EW-101	
---	EW-4796	
ETS	EW-402	
ETT	EW-401	
ETBS	EW-405	
ETCS	EW-407	
ETDS	EW-409	
---	EW-511	
ETAA	EW-513	
ETBB	EW-515	
ETCC	EW-517	
ETDD	EW-519	
---	EW-0602	
ET-MX	EW-0603	
---	EW-0574	






Weller®	PLATO®	PLATO® TIP	Tip drawings are actual size.
ST-1	44-3870		<p>All points are 1/32" (0.8) thick unless otherwise noted.</p> <p>() = mm</p> <p>Tip samples are available.</p> <p>Custom tip designs on request.</p> <p>All dimensions are shown before tinning and are subject to manufacturing tolerances.</p>
ST-2	44-3871		
ST-3	44-3872		
ST-4	44-1312		
ST-6	44-3873		
ST-7	44-8182		
ST-8	41-1313		

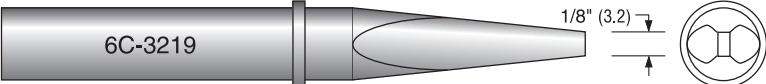
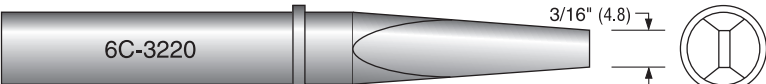


Soldering Stations • MC-5001 • EC-1002 • EC-2002 • WTL1000-2 • DEC-1001 • DTL-1000
Soldering Handpiece • EC1302A





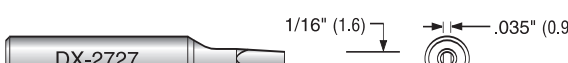
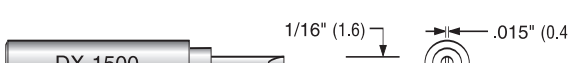
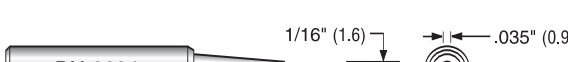
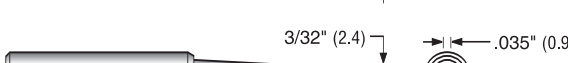
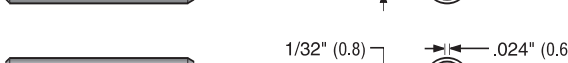


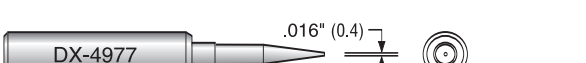
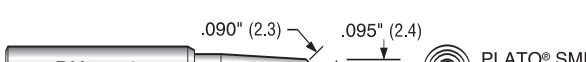
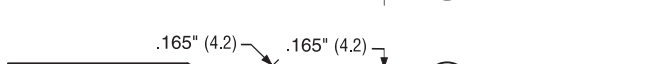

Weller®	PLATO®	PLATO® TIP	Tip drawings are actual size.
EPH101	RX-4762		<p>The interior surfaces of these tips are protected to prevent adhesion to the sensor.</p> <p>All points are 1/32" (0.8) thick unless otherwise noted.</p> <p>() = mm</p> <p>Tip samples are available.</p> <p>Custom tip designs on request.</p> <p>All dimensions are shown before tinning and are subject to manufacturing tolerances.</p>
EPH102	RX-402		
EPH103	RX-513		
EPH104	RX-404		
EPH105	RX-515		
EPH106	RX-306		
EPH107	RX-307		
EPH109	RX-409		
EPH110	RX-401		
EPH111	RX-4764		
EPH112	RX-4763		
---	RX-5567		
---	RX-5568		



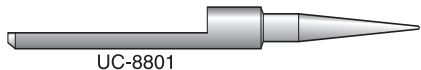











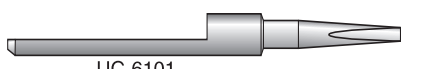









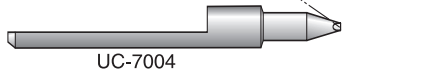



Typical Tip Drawing

Weller®	PLATO®	PLATO® TIP	Tip drawings are actual size.
CT5A	4C-3241		<p>Specify temperature indicating number. Complete the Plato® part number by adding one of the following numbers as the final digit (example - 4C-3241-6):</p> <p>6 (600°F/315°C) 8 (800°F/425°C) 7 (700°F/370°C) 9 (900°F/480°C)</p> <p>All points are 1/32" (0.8) thick unless otherwise noted. () = mm</p> <p>Tip samples are available. Custom tip designs on request. All dimensions are shown before tinning and are subject to manufacturing tolerances.</p> <p>Indicated temperature ranges are nominal and will vary according to the style of tip, condition of iron, manner of use, and other variables.</p>
CT5B	4C-3242		
CT5C	4C-3243		
CT5D	4C-3244		
CT5E	4C-1080		

Weller®	PLATO®	PLATO® TIP	Tip drawings are actual size.
CT6C	6C-3219		<p>Specify temperature indicating number. Complete the Plato® part number by adding one of the following numbers as the final digit (example - 6C-3219-6):</p> <p>6 (600°F/315°C) 8 (800°F/425°C) 7 (700°F/370°C) 9 (900°F/480°C)</p> <p>Indicated temperature ranges are nominal and will vary according to the style of tip, condition of iron, manner of use, and other variables.</p> <p>All points are 1/16" (1.6) thick unless otherwise noted. () = mm</p> <p>All dimensions are shown before tinning and are subject to manufacturing tolerances.</p>
CT6D	6C-3220		
CT6E	6C-3221		
CT6F	6C-1083		













Weller®	PLATO®	PLATO® TIP	Tip drawings are actual size.
MPT-1	DX-4771		
MPT-1S	DX-4814		
MPT-4	DX-5590		
—	DX-5688		
—	DX-2727		
MPT-6	DX-1500		
MPT-A	DX-2684		
MPT-B	DX-2726		
MPT-H	DX-2683		
MPT-HX	DX-2987		
—	DX-4977		
—	DX-5550		PLATO® SMD FLOW TIP
MT-GW	DX-5551		PLATO® SMD FLOW TIP
—	DX-0600		SMD TIP TO SOLDER SOIC AND PLCC
MT-JL	DX-0601		

All points are 1/32" (0.8) thick unless otherwise noted.
 () = mm
 Tip samples are available.
 Custom tip designs on request.
 All dimensions are shown before tinning and are subject to manufacturing tolerances.

Weller/Ungar®	PLATO®	PLATO® TIP	Tip drawings are actual size.
9010	UC-8801	 UC-8801	.015" (0.4) 
9011	UC-7001	 UC-7001	.035" (0.9) 
9012	UC-6100	 UC-6100	.050" (1.3)  ← .015" (0.4)
9013	UC-7002	 UC-7002	.065" (1.7) 
9014	UC-7003	 UC-7003	.030" (0.8) 
9015	UC-6101	 UC-6101	.065" (1.7)  ← .020" (0.5)
9016	UC-6110	 UC-6110	.090" (2.3)  ← .015" (0.4)
9017	UC-6102	 UC-6102	.030" (0.8)  ← .020" (0.5)
9018	UC-6103	 UC-6103	.050" (1.3)  ← .025" (0.6)
9019	UC-7004	 UC-7004	.030" (0.8) 
9050	UC-8802	 UC-8802	.020" (0.5) 
9051	UC-6104	 UC-6104	.120" (3.0)  ← .025" (0.6)
9052	UC-7005	 UC-7005	.030" (0.8) 



















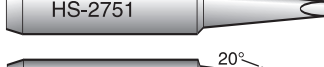

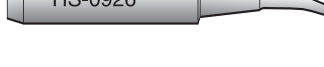
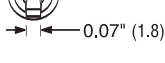
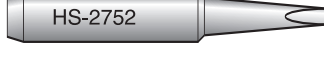




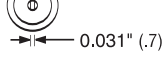
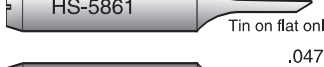

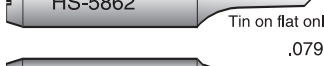

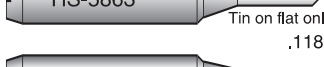

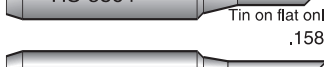









() = mm
 Tip samples are available.
 Custom tip designs on request.
 All dimensions are shown before tinning and are subject to manufacturing tolerances.

Ungar® P/N 9037 or 2108S
 Tip Retainer Assembly Required

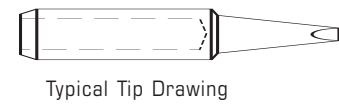
Weller/Ungar®	PLATO®	PLATO® TIP	Tip drawings are actual size.
9056	UC-8803	 UC-8803	.025" (0.6) 
9057	UC-6105	 UC-6105	.040" (1.0)  ← .025" (0.6)
9058	UC-6106	 UC-6106	.050" (1.3)  ← .030" (0.8)
9059	UC-6107	 UC-6107	.060" (1.5)  ← .035" (0.9)
9060	UC-6108	 UC-6108	.100" (2.5)  ← .030" (0.8)
9061	UC-6109	 UC-6109	.135" (3.4)  ← .050" (1.3)

() = mm
 Tip samples are available.
 Custom tip designs on request.
 All dimensions are shown before tinning and are subject to manufacturing tolerances.

Ungar® P/N 9919 or 2106T
 Tip Retainer Assembly Required

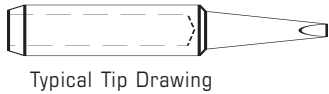
Hakko®	PLATO®	PLATO® TIP	Tip drawings are actual size.
900M-T-1C	HS-5701	 3/64" (1.2)	
900M-T-2C	HS-5702	 5/64" (2.0)	
900M-T-3C	HS-5703	 1/8" (3.0)	
900M-T-4C	HS-5875	 5/32" (4.0)	
900M-T-0.2RB	HS-4791	 0.016" (0.4)	
900M-T-0.5C	HS-5715	 .019" (0.5)	
900M-T-0.8C	HS-5716	 .032" (0.8)	
900M-T-0.8D	HS-2863	 1/32" (0.8)	 0.019" (0.5)
900M-T-1.2D	HS-2796	 3/64" (1.2)	
900M-T-S1		 1/16" (1.6)	
900M-T-1.6D	HS-2751	 20°	 0.04" (1.0) 0.07" (1.8)
900M-T-1.8H	HS-0926	 3/32" (2.4)	
900M-T-2.4D	HS-2752	 1/8" (3.2)	
900M-T-3.2D	HS-2753	 3/64" (1.2)	 0.031" (.7)
900M-T-1.2LD	HS-6030	 .059" (1.5)	
900M-T-1.5CF	HS-5861	 Tin on flat only	
900M-T-1CF	HS-5862	 .047" (1.2)	
900M-T-2CF	HS-5863	 Tin on flat only	
900M-T-3CF	HS-5864	 .079" (2.0)	
900M-T-4CF	HS-5866	 Tin on flat only	
900M-T-2LD	HS-6092	 .118" (3.0)	 5/64" (2.0) 0.025" (.6)
		 .158" (4.0)	


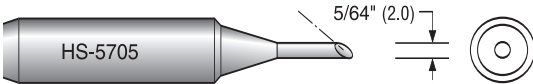
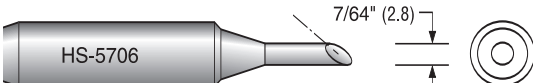
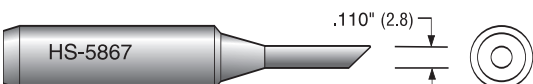
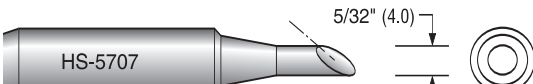

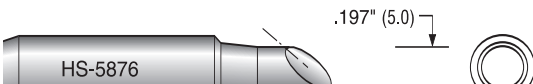


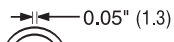




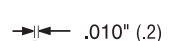


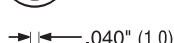
All points are 1/32" (0.8) thick unless otherwise noted.
 () = mm
 Tip samples are available.
 Custom tip designs on request.
 All dimensions are shown before tinning and are subject to manufacturing tolerances.



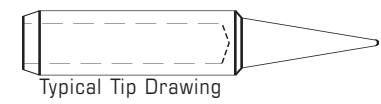
Hakko®	PLATO®	PLATO® TIP	Tip drawings are actual size.
900M-T-3.2LD	HS-6093		
900M-T-B	HS-4785	 .250\" TIN LENGTH	
—	HS-8179	 .300\" TIN LENGTH	Same as HS-4785 except with .300\" tin length
900M-T-H	HS-0925		
900M-T-I	HS-4787		
900M-T-K	HS-0927	 1/4\" (6.3)"/>	
900M-T-LB	HS-4786	 1/8\" (3.2)"/>	
900M-T-R	HS-0923		
900M-T-RT	HS-0924		
900M-T-SB	HS-4792		
900M-T-SMD	HS-4988		
900M-T-S3	HS-1665	 1/8\" (3.2)"/>	
900M-T-S4	HS-8175		
900M-T-S5	HS-8157		
900M-T-S6	HS-5827		
900M-T-S7	HS-5826		
—	HS-0530		
—	HS-0531		

() = mm
Tip samples are available.
Custom tip designs on request.
All dimensions are shown before tinning and are subject to manufacturing tolerances.



Hakko®	PLATO®	PLATO® TIP	Tip drawings are actual size.
900L-T-2B	HS-4789		
900L-T-2C	HS-5705		
900L-T-3C	HS-5706		
900L-T-3CF	HS-5867		
900L-T-4C	HS-5707		
900L-T-4CF	HS-5865		
900L-T-5C	HS-5876		
900L-T-1.6D	HS-6094		
900L-T-2.4D	HS-6027		
900L-T-3.2D	HS-2755		
900L-T-B	HS-4788		
900L-T-I	HS-4790		
900L-T-K	HS-0922		 SMD Tip to solder SOIC and PLCC
900L-T-LB	HS-8177		
900L-T-S1	HS-1666		

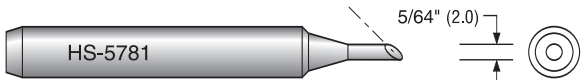
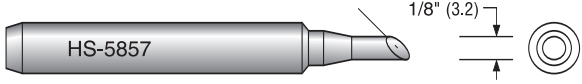
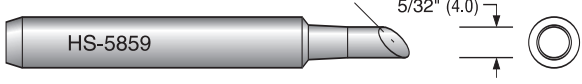
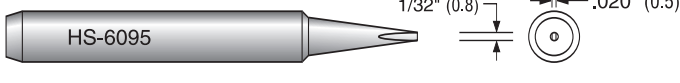
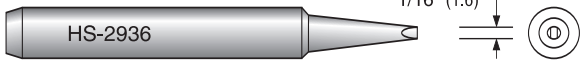
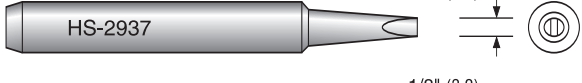






All points are 1/32" (0.8) thick unless otherwise noted.
 () = mm
 Tip samples are available.
 Custom tip designs on request.
 All dimensions are shown before tinning and are subject to manufacturing tolerances.



Hakko®	PLATO®	PLATO® TIP	Tip drawings are actual size.
918-T-3C	HS-5807		<p>All points are 1/32" (0.8) thick unless otherwise noted.</p> <p>() = mm</p> <p>Tip samples are available.</p> <p>Custom tip designs on request.</p> <p>All dimensions are shown before tinning and are subject to manufacturing tolerances.</p> <p>Typical Tip Drawing</p>
918-T-4C	HS-5877		
918-T-5C	HS-5878		
918-T-1.6D	HS-2938		
918-T-2.4D	HS-2939		
918-T-3.2D	HS-6029		
918-T-B	HS-4838		
918-T-BC	HS-5806		

Hakko®	PLATO®	PLATO® TIP	Tip drawings are actual size.
BB-3	300-8179		<p>.040" (1.0)</p> <p>.040" (1.0)</p> <p>.040" (1.0)</p>
BB-4	400-8182		
BB-6	600-8181		

Hakko®	PLATO®	PLATO® TIP	Tip drawings are actual size.
582-T-4	400-8148		<p>() = mm</p> <p>Tip samples are available.</p> <p>Custom tip designs on request.</p> <p>All dimensions are shown before tinning and are subject to manufacturing tolerances.</p>
585-T-6	600-8149		
587-T-8	800-8150		

Hakko®	PLATO®	PLATO® TIP	Tip drawings are actual size.
920-T-2C	HS-5781		<p>All points are 1/32" (0.8) thick unless otherwise noted.</p> <p>() = mm</p> <p>Tip samples are available.</p> <p>Custom tip designs on request.</p> <p>All dimensions are shown before tinning and are subject to manufacturing tolerances.</p>
920-T-3C	HS-5857		
920-T-4C	HS-5859		
920-T-1.0D	HS-6095		
920-T-1.6D	HS-2936		
920-T-2.4D	HS-2937		
920-T-D			
920-T-3.2D	HS-2818		
920-T-B	HS-4840		
920-T-BC	HS-5805		
920-T-I	HS-4933		
920-T-R	HS-0876		
920-T-RT	HS-0877		

All points are 1/32" (0.8) thick unless otherwise noted.

() = mm




Tip samples are available.

Custom tip designs on request.

All dimensions are shown before tinning and are subject to manufacturing tolerances.



Soldering Iron • 980 • 981

Hakko®	PLATO®	PLATO® TIP	Tip drawings are actual size.
980-T-B	HS-5710		<p>All points are .041" (1.04) thick unless otherwise noted.</p> <p>() = mm</p> <p>Tip samples are available.</p> <p>Custom tip designs on request.</p> <p>All dimensions are shown before tinning and are subject to manufacturing tolerances.</p>
980-T-BC	HS-5711		
980-T-D	HS-5712		























All points are .041" (1.04) thick unless otherwise noted.

() = mm

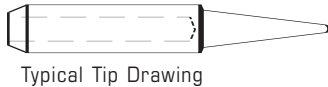
Tip samples are available.







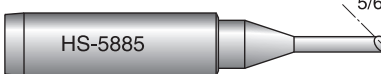







Custom tip designs on request.

All dimensions are shown before tinning and are subject to manufacturing tolerances.

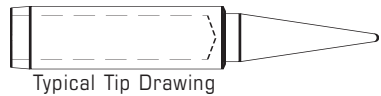
Hakko®	PLATO®	PLATO® TIP	Tip drawings are actual size.
N452-T-B	HS-4860	 .040" (1.0)	
N452-T-C	HS-5879	 1/16" (1.5)	
N452-T-D	HS-1647	 .118" (3.0)	 .020" (0.5)
N452-T-I	HS-4904	 1/32" (0.8)	
N452-T-SB	HS-8126	 1/64" (0.5)	
N452-T-SC	HS-5880	 1/32" (0.8)	
N452-T-SD	HS-1646	 5/64" (2.0)	 .040" (1.0)
N452-T-1C	HS-5881	 .040" (1.0)	
N452-T-2C	HS-5882	 5/64" (2.0)	
N452-T-3C	HS-5883	 1/8" (3.0)	
N452-T-4C	HS-5884	 5/32" (4.0)	



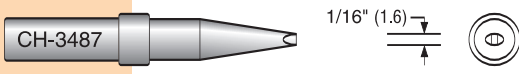
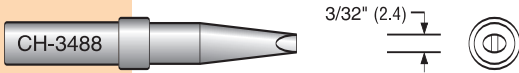


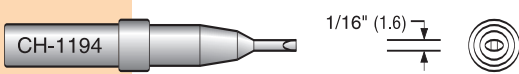





() = mm
 Tip samples are available.
 Custom tip designs on request.
 All dimensions are shown before tinning and are subject to manufacturing tolerances.

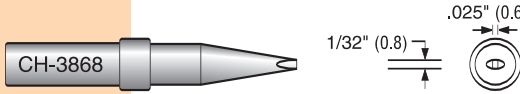

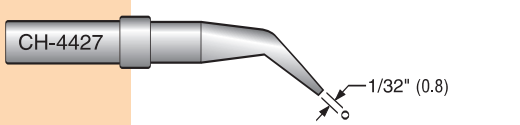






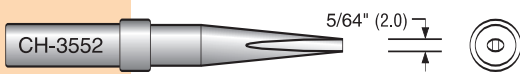



Hakko®	PLATO®	PLATO® TIP	Tip drawings are actual size.
N454-T-B	HS-4903	 3/64" (1.2)	
N454-T-D	HS-1648	 1/8" (3.2)	 .030" (0.75)
N454-T-I	HS-8127	 1/64" (0.4)	
N454-T-2C	HS-5885	 5/64" (2.0)	
N454-T-3C	HS-5886	 1/8" (3.2)	
N454-T-4C	HS-5887	 5/32" (4.0)	
N454-T-5C	HS-5888	 3/16" (4.8)	

() = mm
 Tip samples are available.
 Custom tip designs on request.
 All dimensions are shown before tinning and are subject to manufacturing tolerances.



Hexacon®	PLATO® TIP	Tip drawings are actual size.
J101X	CH-3550	
J102X	CH-3551	
J201X	CH-3487	
J202X	CH-3488	
J203X	CH-5286	
J204X	CH-5287	
J206X	CH-1194	
J301X	CH-3489	
J302X	CH-3534	
J901X	CH-8136	
J910X	CH-2458	
J911X	CH-5557	

Hexacon®	PLATO® TIP	Tip drawings are actual size.
J912X	CH-3868	
J914X	CH-8137	
J915X	CH-4427	
J916X	CH-4621	
J917X	CH-4299	
J918X	CH-1655	
J919X	CH-6040	
J932X	CH-8138	
J935X	CH-3867	
J940X	CH-3552	
J954X	CH-4314	

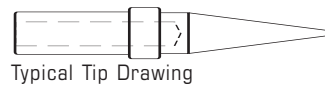
All points are 1/32" (0.8) thick unless otherwise noted.

() = mm


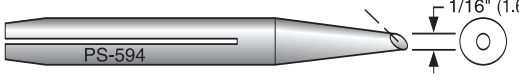
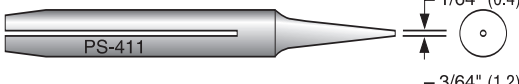








Tip samples are available.

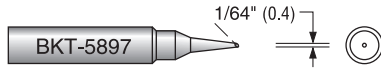
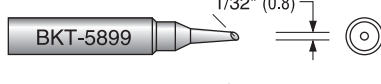
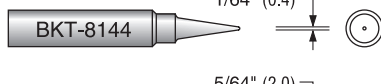
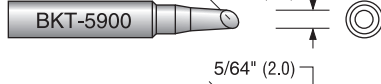
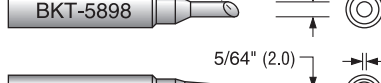

Custom tip designs on request.


All dimensions are shown before tinning and are subject to manufacturing tolerances.

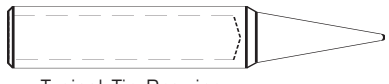
















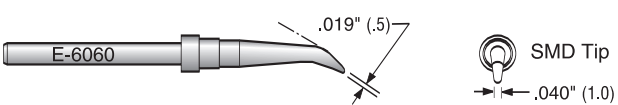
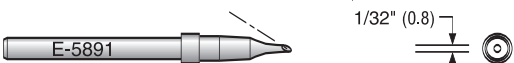

Typical Tip Drawing

Hexacon®	PLATO®	PLATO® TIP	Tip drawings are actual size.
HT880X	PS-383		<p>Typical Tip Drawing</p> <p>These tips have an internal diameter of 5/32" (4.0). They are slotted as shown and furnished with a retainer ring.</p> <p>All points are 1/32" (0.8) thick unless otherwise noted.</p> <p>() = mm</p> <p>Tip samples are available.</p> <p>Custom tip designs on request.</p> <p>All dimensions are shown before tinning and are subject to manufacturing tolerances.</p> <p>* This indicates that the tip is nickel plated (economy grade); all other tips are iron clad (premium quality).</p>
HT881X	PS-594		
HT882X	PS-411		
HT883X	PS-512		
HT884X	PS-555		
HT885X	PS-372		
HT886X	PS-157		
---	PS-478		
---	PS-508		
---	PS-444*		
---	PS-526*		

Bonkote®	PLATO®	PLATO® TIP	Tip drawings are actual size.
5-0.5C	BKT-5897		<p>() = mm</p> <p>Tip samples are available.</p> <p>Custom tip designs on request.</p> <p>All dimensions are shown before tinning and are subject to manufacturing tolerances.</p> <p>Typical Tip Drawing</p>
5-1C	BKT-5899		
5-2B	BKT-8144		
5-2BC	BKT-5900		
5-2C	BKT-5898		
5-2D	BKT-6079		

Bonkote®	PLATO®	PLATO® TIP	Tip drawings are actual size.
7-1C	BKT-5736		<p>() = mm</p> <p>Tip samples are available.</p> <p>Custom tip designs on request.</p> <p>All dimensions are shown before tinning and are subject to manufacturing tolerances.</p>  <p>Typical Tip Drawing</p>
7-2B	BKT-4835		
7-3C	BKT-5738		
7-5A	BKT-2046		
7-5B	BKT-4836		
7-KF	BKT-0954		

Bonkote®	PLATO®	PLATO® TIP	Tip drawings are actual size.
10-4C	BKT-5777		<p>() = mm</p> <p>Tip samples are available.</p> <p>Custom tip designs on request.</p> <p>All dimensions are shown before tinning and are subject to manufacturing tolerances.</p>  <p>Typical Tip Drawing</p>
10-6B	BKT-4832		
10-6C	BKT-5778		
10-8B	BKT-4857		
10-8D	BKT-2792		
10-KF	BKT-0940		
---	BKT-0940WB		

Edsyn Loner®	PLATO®	PLATO® TIP	Tip drawings are actual size.
LT-374	E-4709		
LT-375	E-2621		
LT-376	E-2622		
LT-381	E-8134		
LT-383	E-4781		
LT-392	E-4711		
LT-393	E-5649		
LT-394	E-2627		
LT-395	E-2625		
LT-425	E-2626		
LT-429	E-4710		
LT-430	E-5892		
LT-431	E-2624		
LT-444	E-2856		
LT-444-1	E-6060		
LT-445	E-5891		
LT-446	E-4708		

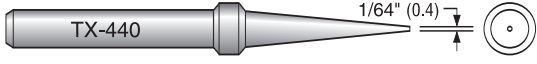
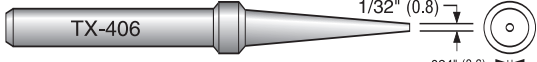
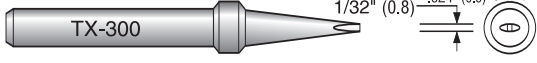
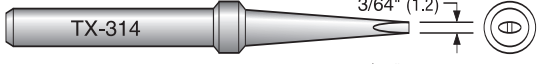
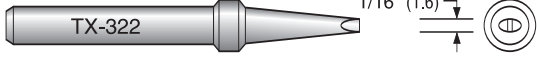

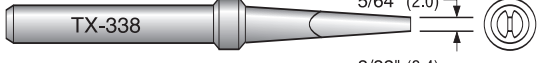
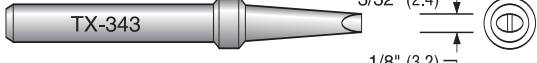
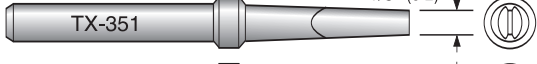
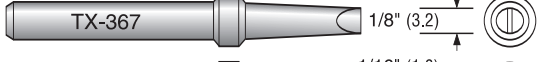

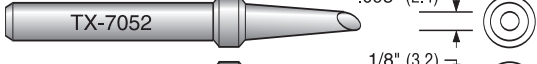



All points are 1/32" (0.8) thick unless otherwise noted.

() = mm

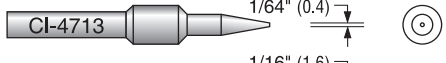
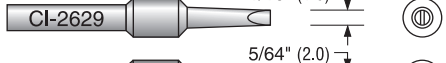





Tip samples are available.

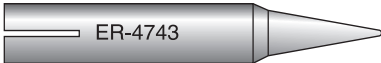
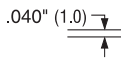
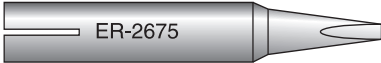
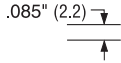
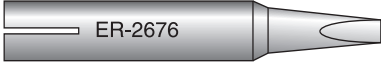
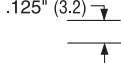

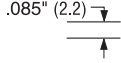

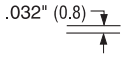

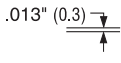
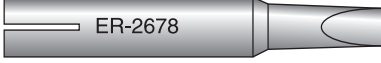
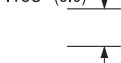
Custom tip designs on request.

All dimensions are shown before tinning and are subject to manufacturing tolerances.

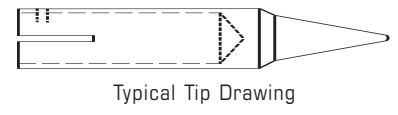
OK Ind.®	Xytronic®	Elvo®	PLATO®	PLATO® TIP	Tip drawings are actual size.
SAT-3X10	823	E231	TX-440		<p>All points are 1/32" (0.8) thick unless otherwise noted.</p> <p>() = mm</p> <p>Tip samples are available.</p> <p>Custom tip designs on request.</p> <p>All dimensions are shown before tinning and are subject to manufacturing tolerances.</p>
SAT-3X20	---	E301	TX-406		
SAT-3X30	822	E221	TX-300		
SAT-3X40	826	E261	TX-314		
SAT-3X50	824	E241	TX-322		
SAT-3X60	---	---	TX-429		
SAT-3X70	---	E311	TX-338		
SAT-3X80	---	E281	TX-343		
SAT-3X90	---	E291	TX-351		
SAT-3X100	825	E251	TX-367		
SAT-3X110	---	---	TX-7051		
SAT-3X120	---	---	TX-7052		
SAT-3X130	---	---	TX-7053		
SAT-3X140	---	---	TX-6085		
SAT-3X150	---	---	TX-6086		


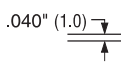

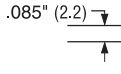
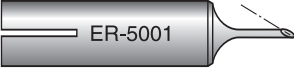
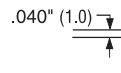

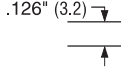

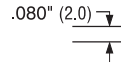

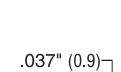
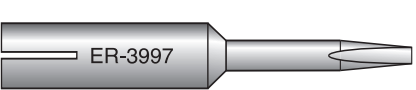
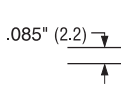
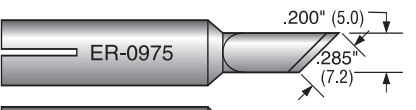
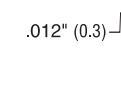

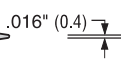

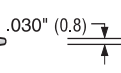

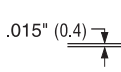
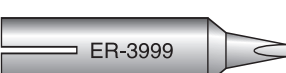
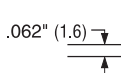

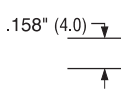
30 Watt Soldering Irons, Start®, Elvo®, and Xytronic®

OK Ind.®	PLATO®	PLATO® TIP	Tip drawings are actual size.
SAT-310X10	CI-4713		<p>All points are 1/32" (0.8) thick unless otherwise noted.</p> <p>() = mm</p> <p>Tip samples are available.</p> <p>Custom tip designs on request.</p> <p>All dimensions are shown before tinning and are subject to manufacturing tolerances.</p>
SAT-310X20	CI-2629		
SAT-310X30	CI-2642		
SAT-310X40	CI-4717		
SAT-310X50	CI-5651		
SAT-310X60	CI-5652		
---	CI-4712		

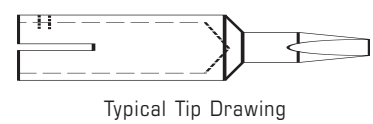
Ersa®	PLATO®	PLATO® TIP	Tip drawings are actual size.
602BD	ER-4743		.040" (1.0) 
602CD	ER-2675		.085" (2.2) 
602ED	ER-2676		.125" (3.2) 
602KD	ER-2643		.085" (2.2) 
602SD	ER-4742		.032" (0.8) 
602UD	ER-8550		.013" (0.3) 
602VD	ER-2678		.195" (5.0) 













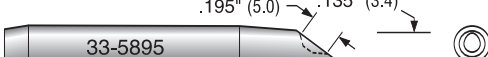





All points are 1/32" (0.8) thick unless otherwise noted.
() = mm
Tip samples are available.
Custom tip designs on request.
All dimensions are shown before tinning and are subject to manufacturing tolerances.



832BD	ER-4002		.040" (1.0) 
832CD	ER-3998		.085" (2.2) 
832DD	ER-5001		.040" (1.0) 
832ED	ER-3101		.126" (3.2) 
832FD	ER-5002		.080" (2.0) 
832ID	ER-4003		.037" (0.9) 
832KD	ER-3997		.085" (2.2) 
832OD	ER-0975		.012" (0.3)  SMD BLADE TIP TO SOLDER SOIC AND PLCC
832UD	ER-4005		.016" (0.4) 
832SD	ER-4004		.030" (0.8) 
—	ER-4006		.015" (0.4) 
832YD	ER-3999		.062" (1.6) 
832PW	ER-5003		.158" (4.0)  PLATO® SMD FLOW TIP

() = mm
Tip samples are available.
Custom tip designs on request.
All dimensions are shown before tinning and are subject to manufacturing tolerances.



Pace®	PLATO®	PLATO® TIP	Tip drawings are actual size.
1121-0335	33-6055		
1121-0336	33-8142		
1121-0337	33-6058		
1121-0349	33-1657		
1121-0357	33-8141		
1121-0358	33-1658		
1121-0359	33-1144		
1121-0360	33-6057		
1121-0361	33-1146		
1121-0363	33-8143		
1121-0406	33-5894		
1121-0414	33-6056		
1121-0490 (similar to)	33-5895		Plato® SMD Flow Tip
1121-0499	33-1147		
1121-0500	33-1148		
1121-0563	33-5896		SMD Tip
1121-0564	33-5897		SMD Tip
1121-0610	33-5898		SMD Tip

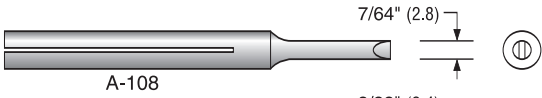

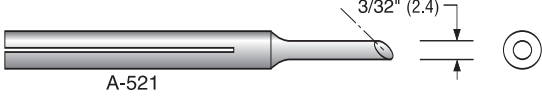
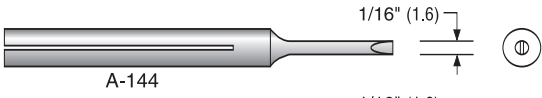
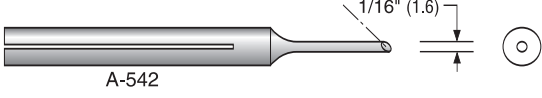
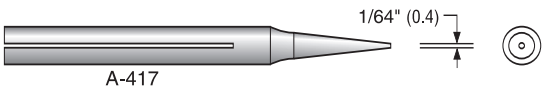
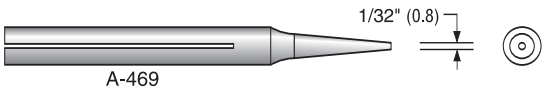
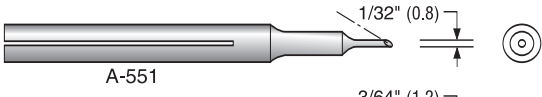
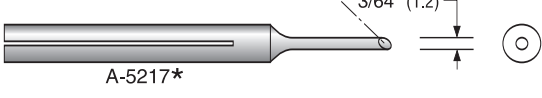
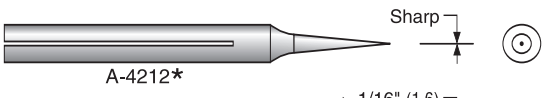
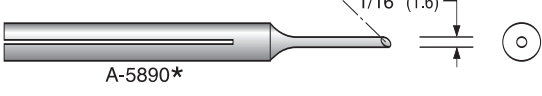
All points are .025" (0.6) thick unless otherwise noted.
 () = mm
 Tip samples are available.
 Custom tip designs on request.
 All dimensions are shown before tinning and are subject to manufacturing tolerances.

Pace®	PLATO®	PLATO® TIP	Tip drawings are actual size.
1121-0510	33-3985		<p>All points are .025" (0.6) thick unless otherwise noted.</p> <p>() = mm</p> <p>Tip samples are available.</p> <p>Custom tip designs on request.</p> <p>All dimensions are shown before tinning and are subject to manufacturing tolerances.</p>
1121-0516	33-3981		
1121-0518	33-3986		
1121-0524	33-3983		
1121-0525	33-3984		
1121-0526	33-3982		

Pace®	PLATO®	PLATO® TIP	Tip drawings are actual size.
1121-0527	33-7102		<p>All points are .025" (0.6) thick unless otherwise noted.</p> <p>() = mm</p> <p>Tip samples are available.</p> <p>Custom tip designs on request.</p> <p>All dimensions are shown before tinning and are subject to manufacturing tolerances.</p>
1121-0528	33-7101		
1121-0529	33-7104		
1121-0530	33-7105		
1121-0531	33-7106		
1121-0532	33-7107		
1121-0533	33-7103		

3/16" (4.8mm) Plato® Surface Mount Tips for Soldering Irons • SP-1A • SP-2A • PS-80 • ST-45 • IR-70 SODR-PEN®

Pace®	PLATO®	PLATO® TIP	Tip drawings are actual size.
1121-0302	SMP-2001		<p>() = mm</p> <p>Tip samples are available.</p> <p>Custom tip designs on request.</p> <p>All dimensions are shown before tinning and are subject to manufacturing tolerances.</p>
1121-0303	SMP-2002		
1121-0304	SMP-2003		
1121-0305	SMP-2005		
1121-0402	SMP-2004		

Antex®	PLATO®	PLATO® TIP	Tip drawings are actual size.
2-IC	A-108		 <p>TYPICAL TIP DRAWING</p> <p>These tips have an internal diameter of 9/64" (3.6). They are slotted as shown and are furnished with a retainer ring.</p>
2-IS	A-521		
46-IC	A-144		
46-IS	A-542		
8-I	A-417		
---	A-469		
---	A-551		
6-NS	A-5217*		
---	A-4212*		
46-NS	A-5890*		

All points are 1/32" (0.8) thick unless otherwise noted.

() = mm

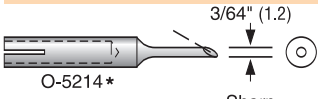
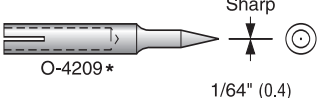
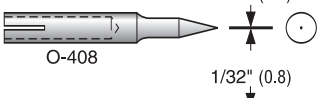

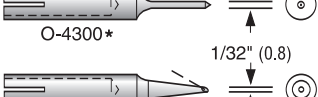

Tip samples are available.











Custom tip designs on request.

All dimensions are shown before tinning and are subject to manufacturing tolerances.

* This indicates that the tip is nickel plated (economy grade); all other tips are iron clad (premium quality).




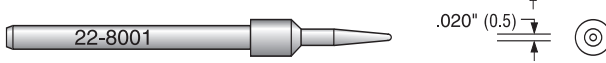



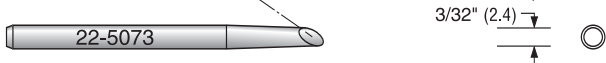

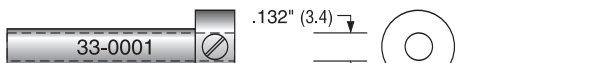
Oryx® Soldering Irons

Similar to Oryx®	PLATO®	PLATO® TIP	Tip drawings are actual size.
P	O-5214*		<p>() = mm</p> <p>Tip samples are available.</p> <p>Custom tip designs on request.</p> <p>All dimensions are shown before tinning and are subject to manufacturing tolerances.</p> <p>* This indicates that the tip is nickel plated (economy grade); all other tips are iron clad (premium quality).</p>
X	O-4209*		
X-PL	O-408		
---	O-4210*		
---	O-4300*		
---	O-569		


Hexacon®	American Beauty®	Esico®	PLATO®	PLATO® TIP	Tip drawings are actual size.
HT104 HT511	524	---	20-851		<p>All points are 1/32" (0.8) thick unless otherwise noted. () = mm Tip samples are available. Custom tip designs on request. All dimensions are shown before tinning and are subject to manufacturing tolerances.</p>
HT222	510	240-102 240-111	22-449		
HT249	501	210-132 210-143	22-127		
HT331	---	---	22-687		
HT361	503	211-105 211-127	21-175		
HT376	502	210-107 210-114	22-142		
HT477	271	---	22-315		
HT560 HT667	507	220-103 220-116	22-320		
HT693	512	251-120 251-131	21-572		
---	509	---	22-428		

PACE

1/8" (3.2mm) Plato® Tips used with Plato Adapter 33-0001 to fit Pace® IR-25, PS-80, IR-70 Soldering Irons and SP-1A or SP-2A SODR-PEN®

Pace®	PLATO®	PLATO® TIP	Tip drawings are actual size.
1121-0130	22-1627		<p>Tip drawings are actual size. All points are 1/32" (0.8) thick unless otherwise noted. () = mm Tip samples are available. Custom tip designs on request. All dimensions are shown before tinning and are subject to manufacturing tolerances.</p>
1121-0131	22-2931		
1121-0132	22-4927		
1121-0238	22-7071		
1121-0339	22-8001		
1121-0340	22-8003		
1121-0501	22-1071		
1121-0502	22-6072		
1121-0503	22-8002		
1121-0504	22-5073		

Plato® Adapter 33-0001 (Pace® Adaptip® equivalent) to be used with all 1/8" Diameter Solder and Desolder Tips

1360-0083	33-0001	
-----------	----------------	---

3/16" (4.8mm) Plato® Tips to fit Soldering Irons For
 • Hexacon® • American Beauty® • Esico®

3/16" TIPS

Hexacon®	American Beauty®	Esico®	PLATO®	PLATO® TIP	Tip drawings are actual size.
HT118	630	---	32-402		
HT190	619	320-136 320-144	33-395		
HT195	643	310-108 310-115	33-131		
HT207	617	320-109 320-118	33-364		
HT276	604	311-103 311-124	31-150		
HT281	625	---	33-415		
HT474	605 607	312-105 312-116	32-168		
HT479	626	342-112 342-119	32-660		
HT548	615	322-220 322-146	32-338		
HT107*	613	322-104 322-117	32-306		

All points are 1/32" (0.8) thick unless otherwise noted.

() = mm

Tip samples are available.

Custom tip designs on request.

All dimensions are shown before tinning and are subject to manufacturing tolerances.

* Similar

1/4" (6.4mm) Plato® Tips to fit Soldering Irons
 • Hexacon® • American Beauty® • Esico®

1/4" TIPS

Hexacon®	American Beauty®	Esico®	PLATO®	PLATO® TIP	Tip drawings are actual size.
HT313	715	---	44-352		
HT324	703	412-246 412-159	42-138		
HT343	724	440-129 440-177	44-443		
HT358	714	422-347 422-144	42-347		
HT397	720	420-143 420-164	44-386		
HT417	721	420-106 420-119	44-390		
HT451	701	412-103 412-131	42-117		
HT463	---	413-102 413-134	43-754		
HT513	---	442-153 442-139	42-628		

Hexacon®	American Beauty®	Esico®	PLATO®	PLATO® TIP	Tip drawings are actual size.
HT552	---	426-161 426-173	46-626		3/16" (4.8)
---	---	---	44-3113		3/32" (2.4)
HT586	---	420-201	44-706		1/8" (3.2)
HT691	706	411-107 411-123	41-199		1/16" (1.6)
HT359	716	422-108 422-132	42-355		1/16" (1.6)
HT553* *similar	704	410-140 410-126	44-152		1/4" (6.4)
HT131	---	440-138	44-653		1/32" (0.8)
HT202	738	420-130	44-611		3/16" (4.8)
HT356	---	422-113	42-619		1/16" (1.6)
HT426	---	420-114	44-715		1/8" (3.2)
HT452	739	442-147	42-685		1/32" (0.8)
HT453	---	---	40-712		3/32" (2.4)
HT468	67-S	---	44-105		1/4" (6.4)
HT473	---	413-117	43-799		3/16" (4.8)
HT685	---	412-110	42-683		1/8" (3.2)
HT773	---	426-189	46-912		3/16" (4.8)
HT841	730	---	42-713		1/16" (1.6)
---	---	---	40-5198		3/32" (2.4)

All points are 1/32" (0.8) thick unless otherwise noted.
 () = mm
 Tip samples are available.
 Custom tip designs on request.
 All dimensions are shown before tinning and are subject to manufacturing tolerances.

5/16" (8.0mm) Plato® Tips to fit
Hexacon® Soldering Irons

5/16"
TIPS

Hexacon®	PLATO®	PLATO® TIP	Tip drawings are actual size.
HT506	55-316		
HT547	55-118		
HT550	55-321		
HT556	55-336		
---	55-133		

All points are 1/32" (0.8) thick unless otherwise noted.
() = mm
Tip samples are available.
Custom tip designs on request.
All dimensions are shown before tinning and are subject to manufacturing tolerances.

3/8" (9.5mm) Plato® Tips to fit Soldering Irons for
Hexacon® • American Beauty® • Esico®










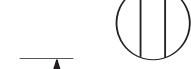
3/8"
TIPS

Hexacon®	PLATO®	PLATO® TIP	Tip drawings are actual size.
HT108	66-409		
HT129	66-367		
HT145	63-155		
HT151	66-145		
HT566	66-201		
HT918 (similar to)	66-325		

All points are 1/16" (1.6) thick unless otherwise noted. () = mm Tip samples are available.
Custom tip designs on request. All dimensions are shown before tinning and are subject to manufacturing tolerances.

3/8" TIPS

3/8" (9.5mm) Plato® Tips to fit Soldering Irons For Hexacon® • American Beauty® • Esico®


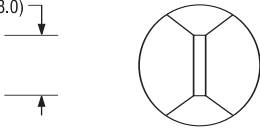

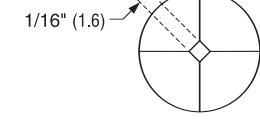

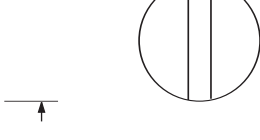

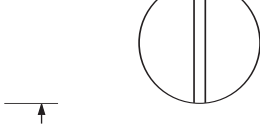
Hexacon®	PLATO®	PLATO® TIP	Tip drawings are actual size.
HT449	66-300		
HT470	66-349		
HT472	66-911		
---	66-627		
---	66-704		

All points are 1/16" (1.6) thick unless otherwise noted. () = mm

Tip samples are available. Custom tip designs on request. All dimensions are shown before tinning and are subject to manufacturing tolerances.

5/8" TIPS

5/8" (15.9mm) Plato® Tips to fit Soldering Irons For Hexacon® • American Beauty® • Esico® • Weller® Marksman SP175

Hexacon®	PLATO®	PLATO® TIP	Tip drawings are actual size.
HT178	1010-397		
HT256	1010-286		
HT891	1010-104		
HT499	1010-184		

All points are 1/16" (1.6) thick unless otherwise noted. () = mm

Tip samples are available. Custom tip designs on request. All dimensions are shown before tinning and are subject to manufacturing tolerances.

PLATO[®]

Desoldering Tips

*Your Source for
Desoldering Iron Tips*

Air-Vac [®]	40
A.P.E. [®]	40
Pace [®]	40
O.K. Industries [®]	41
Edsyn [®]	41
Hakko [®]	42
Weller [®]	43
Plato [®]	43

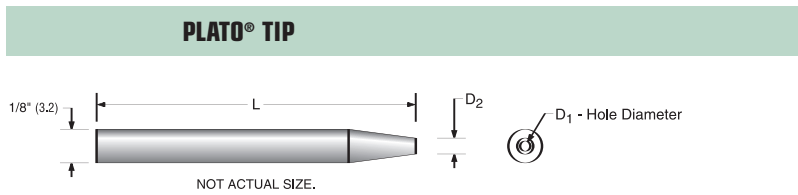
- Only Brand of Replacement Tips You Need!
- Top Quality
- Long Life
- Clog Resistant
- Competitively Priced



Pace®	PLATO®	L	D ₁	D ₂
Plato® Tips to fit Pace® SX-20, SX-25, SX-25V SODR-X-TRACTORS®				
1121-0213	20-0109	1.00" (25.4)	.025" (0.6)	.060" (1.5)
1121-0480	20-0114	1.00" (25.4)	.030" (0.8)	.060" (1.5)
---	20-0815	1.00" (25.4)	.036" (0.9)	.065" (1.7)
1121-0479	20-0110	1.00" (25.4)	.040" (1.0)	.080" (2.0)
1121-0216	20-0113	1.00" (25.4)	.050" (1.3)	.090" (2.3)
1121-0217	20-0111	1.00" (25.4)	.060" (1.5)	.100" (2.5)
1121-0091	20-0112	1.00" (25.4)	.090" (2.3)	.125" (3.2)

Pace®	PLATO®	L	D ₁	D ₂
Plato® Tips to fit Pace® SX-40A, SX-55A, SX-65A, SX-70 SODR-X-TRACTORS® with Plato Adapter 33-0001				
1121-0485	20-025	1.75" (44.5)	.030" (0.8)	.080" (2.0)
1121-0486	20-040	1.75" (44.5)	.040" (1.0)	.080" (2.0)
---	20-050	1.75" (44.5)	.050" (1.3)	.090" (2.3)
1121-0255	20-060	1.75" (44.5)	.060" (1.5)	.100" (2.5)

Pace®	PLATO®	L	D ₁	D ₂
Plato® Tips to fit Pace® SX-40A, SX-55A, SX-65A, SX-70 SODR-X-TRACTORS® with Plato Adapter 33-0001				
1121-0261	20-0030	1.75" (44.5)	.030" (0.8)	.080" (2.0)
1121-0262	20-0040	1.75" (44.5)	.040" (1.0)	.080" (2.0)
1121-0267	20-0060	1.75" (44.5)	.060" (1.5)	.090" (2.3)



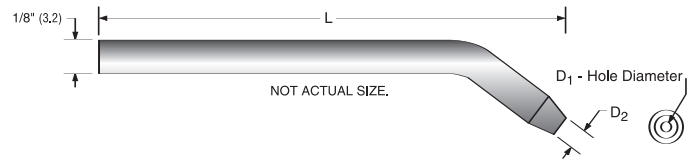
Premium Quality for Long Life

Made of oxygen-free high-conductivity copper, protected inside and outside to minimize erosion by solder.

Tip samples are available. Custom tip designs on request. () = mm

See cross-reference table in back of catalog for competitive cross-references to Air-Vac® and A.P.E.®

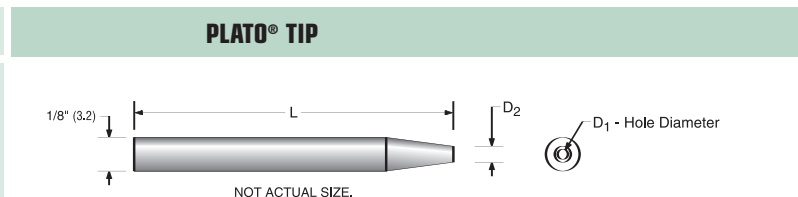
Packaged 10 pieces per pack.



These newly designed tips are engineered with a side wall that is more than 50% heavier (thicker) than our standard tips. These offer the operator a tip that is more resistant to deformation when used to pry or move leads. These long-life tips will offer improved heat recovery and life. They are available in 1" (25.4 mm) and 1.75" (44.5 mm) lengths and in the following inside dimensions: .040" (1.0 mm), .050" (1.3 mm), .060" (1.5 mm). These new tips are identified with HW added to the part number. Samples are available. () = mm

Pace®	Air-Vac®	APE®	PLATO®	L	D ₁
Plato® Tips to fit Pace® SX-20, SX-25, SX-25V SODR-X-TRACTORS®					
1121-0215	30, 36, 45	1212-0440 1212-084	20-0110-HW	1.00" (25.4)	.040" (1.0)
1121-0216	---	1212-0550 1212-083	20-0113-HW	1.00" (25.4)	.050" (1.3)
1121-0217	60, 61	1212-0660 1212-082	20-0111-HW	1.00" (25.4)	.060" (1.5)

Pace®	Air-Vac®	APE®	PLATO®	L	D ₁
Plato® Tips to fit Pace® SX-40A, SX-55A, SX-65A, SX-70 SODR-X-TRACTORS®					
1121-0254	---	---	20-040-HW	1.75" (44.5)	.040" (1.0)
---	---	---	20-050-HW	1.75" (44.5)	.050" (1.3)
1121-0255	---	---	20-060-HW	1.75" (44.5)	.060" (1.5)



Premium Quality for Long Life

Made of oxygen-free high-conductivity copper, protected inside and outside to minimize erosion by solder.

Tip samples are available. Custom tip designs on request. () = mm

See cross-reference table in back of catalog for competitive cross-references to Air-Vac® and A.P.E.®

Packaged 10 pieces per pack.



Pace® Economy Grade	PLATO® Economy Grade	Pace® Premium Grade	PLATO® Premium Grade	(mm)		PLATO® PREMIUM GRADE TIP	Tip drawings are actual size.
				D ₁	D ₂		
1121-0505	30-0003	---	---	.030" (0.8)	.075" (2.9)	<p>Premium Grade for Long Life Iron plated outside and stainless steel tube insert prevents solder path erosion by solder.</p>	
1121-0494	30-0004	---	---	.040" (1.0)	.085" (2.2)		
1121-0506	30-0006	---	---	.060" (1.5)	.105" (2.7)		
1121-0367	30-0300	1121-0462	30-030	.030" (0.8)	.065" (1.7)	<p>PLATO® ECONOMY GRADE TIP</p>	
1121-0342	30-0400	1121-0463	30-040	.040" (1.0)	.085" (2.2)		
---	---	---	30-050	.050" (1.3)	.095" (2.4)	<p>Economy Grade Tips Economy grade tips do not have a stainless steel tube insert. They are made of oxygen-free high-conductivity copper, nickel-plated inside and outside to minimize corrosion by solder. Tip samples are available. Custom tip designs on request. All dimensions are shown before tinning and are subject to manufacturing tolerances. () = mm</p>	
1121-0368	30-0600	1121-0464	30-060	.060" (1.5)	.115" (2.9)		
1121-0507	30-0900	---	---	.090" (2.3)	.190" (4.8)		
1121-0369	30-0060	1121-0465*	30-6000	.060" (1.5)	.188" (4.8)	<p>30-0060</p>	

Desoldering Handpieces • BTR-15 • BTR-25 • BTR-35 • BTR-55 • DG 20065 • DG 24100 • DG 28110
Desoldering Irons • SA-600 • SA-1201



OK Ind.®	PLATO®	(mm)		PLATO® PREMIUM GRADE TIP	Tip drawings are actual size.
		L	D ₁		
BTR-D-027	00-0737	.75" (19.0)	.027" (0.7)	.080" (2.0)	<p>Premium Quality for Long Life. Iron plated outside and stainless steel tube insert prevents solder path erosion by solder. Tip samples are available. Custom tip designs on request. All dimensions are shown before tinning and are subject to manufacturing tolerances.</p>
BTR-D-031	00-0738	.75" (19.0)	.031" (0.8)	.085" (2.2)	
BTR-D-039	00-0739	.75" (19.0)	.039" (1.0)	.090" (2.3)	
BTR-D-047	00-0740	.75" (19.0)	.047" (1.2)	.100" (2.5)	
BTR-D-063	00-0741	.75" (19.0)	.063" (1.6)	.115" (2.9)	

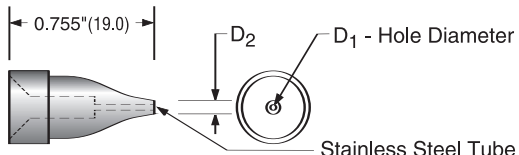
Desoldering Irons • ZD500 • ZD505 • ZD905 • ZD906



Edsyn®	PLATO®	(mm)		PLATO® PREMIUM GRADE TIP	Tip drawings are actual size.
		D ₁	D ₂		
ZD08	EZ-030	.030" (0.8)	.085" (2.2)	<p>Premium Quality for Long Life Iron plated outside and stainless steel tube insert prevents solder path erosion by solder. Tip samples are available. Custom tip designs on request. All dimensions are shown before tinning and are subject to manufacturing tolerances.</p>	
ZD12	EZ-030	.030" (0.8)	.085" (2.2)		
ZD10	EZ-040	.040" (1.0)	.095" (2.4)		
ZD13	EZ-040	.040" (1.0)	.095" (2.4)		
ZD11	EZ-050	.050" (1.3)	.115" (2.9)		
ZD14	EZ-050	.050" (1.3)	.115" (2.9)		
---	EZ-060	.060" (1.5)	.115" (2.9)		
ZD09	EZ-070	.070" (1.8)	.125" (3.2)		
ZD18	EZ-070	.070" (1.8)	.125" (3.2)		

Hakko®	PLATO®	(mm) D1	(mm) D2
A-1002	HK-0878	.030" (0.8)	.070" (1.8)
A-1003	HK-0879	.040" (1.0)	.080" (2.0)
A-1004	HK-0880	.030" (0.8)	.090" (2.3)
A-1005	HK-0881	.040" (1.0)	.100" (2.5)
A-1006	HK-0882	.050" (1.3)	.120" (3.0)
A-1007	HK-0883	.060" (1.5)	.120" (3.0)

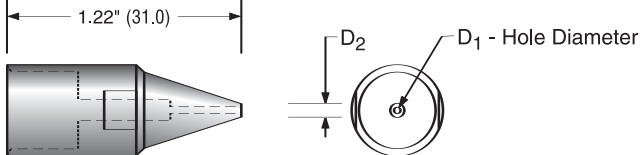
PLATO® PREMIUM GRADE TIP Tip drawings are actual size.



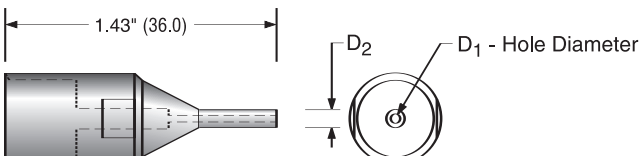
Premium Quality for Long Life
Iron plated outside and stainless steel tube insert prevents solder path erosion by solder.
Tip samples are available. Custom tip designs on request.
All dimensions are shown before tinning and are subject to manufacturing tolerances.

Hakko®	OK Ind.®	PLATO®	(mm) D1	(mm) D2
483-T-0.8 800-T-0.8	SAT-4V-031	HK-0008	.030" (0.8)	.090" (2.3)
483-T-1.0 800-T-1.0	SAT-4V-039	HK-0010	.040" (1.0)	.090" (2.3)
483-T-1.3 800-T-1.3	SAT-4V-051	HK-0013	.050" (1.3)	.100" (2.5)
483-T-1.6 800-T-1.6	SAT-4V-063	HK-0016	.060" (1.5)	.120" (3.0)
483-T-1.0S 800-T-1.0S	---	HKL-0010	.040" (1.0)	.090" (2.3)

PLATO® PREMIUM GRADE TIP Tip drawings are actual size.

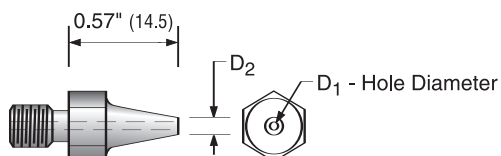


Premium Quality for Long Life
Iron plated to resist corrosion by solder.
Tip samples are available.
Custom tip designs on request.
All dimensions are shown before tinning and are subject to manufacturing tolerances.

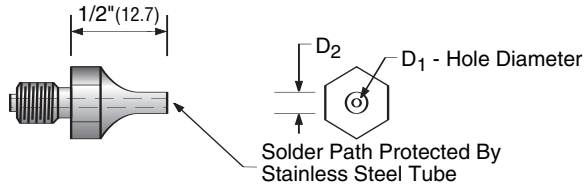
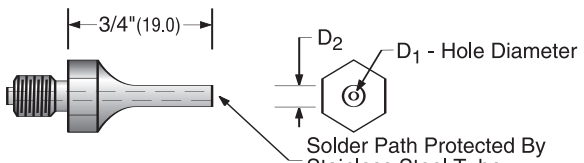


Hakko®	OK Ind.®	PLATO®	(mm) D1	(mm) D2
481-T-0.8	SAT-4-031	TM-007	.030" (0.8)	.070" (1.8)
481-T-1.0	SAT-4-039	TM-010	.040" (1.0)	.090" (2.3)
481-T-1.3	SAT-4-051	TM-013	.050" (1.3)	.100" (2.5)
481-T-1.6	SAT-4-063	TM-015	.060" (1.5)	.120" (3.0)
---	---	TM-023	.090" (2.3)	.170" (2.8)

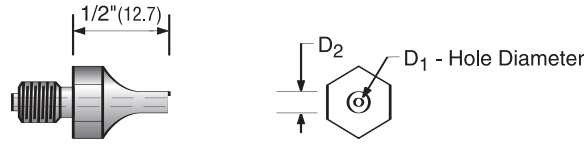
PLATO® PREMIUM GRADE TIP Tip drawings are actual size.



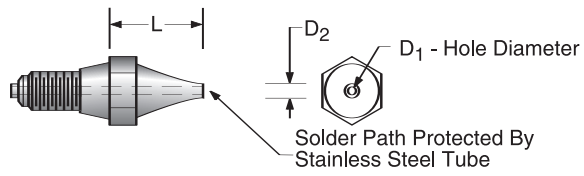
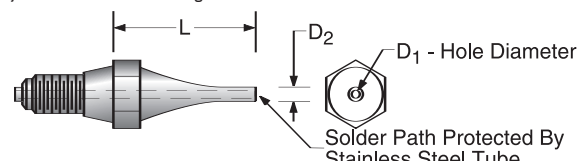
Premium Quality for Long Life
Iron plated to resist erosion by solder. Tip samples are available.
Custom tip designs on request. All dimensions are shown before tinning and are subject to manufacturing tolerances.

Weller®	PLATO® M5 Threads Metric Version	PLATO® 12-24 UNC Thread U.S. Version	(mm) D ₁	(mm) D ₂	PLATO® PREMIUM GRADE TIP	Tip drawings are actual size.
DS-110	TM-10	T-0138	.025" (0.6)	.070" (1.7)	 <p>Premium Quality for Long Life Iron Plated outside and stainless steel tube insert prevents solder path erosion by solder. Tinned for good heat transfer. Threads and body immunized. Tip samples are available. Custom tip designs on request. All dimensions are shown before tinning and are subject to manufacturing tolerances.</p> 	
DS-112	TM-12	T-0139	.040" (1.0)	.090" (2.3)		
DS-113	TM-13	T-0140	.050" (1.3)	.105" (2.7)		
DS-114	TM-14	T-0141	.080" (2.0)	.132" (3.2)		
DS-117	TM-18	—	.060" (1.5)	.115" (2.9)		
DS-115*	TM-17	—	.025" (0.6)	.075" (1.9)		
DS-116*	TM-16	T-0136	.050" (1.3)	.105" (2.7)		
DS-117*	—	T-0137	.025" (0.6)	.105" (2.7)		

Desoldering Stations • DS-40P • DS-60 • DS-TCP

Weller®	PLATO® M5 Threads Metric Version	PLATO® 12-24 UNC Thread U.S. Version	(mm) D ₁	(mm) D ₂	PLATO® PREMIUM GRADE TIP	Tip drawings are actual size.
DST 1	TM-1	T-0261	.038" (1.0)	.080" (2.0)	 <p>Economy Grade - Nickel plated copper Solder path nickel-plated to reduce erosion by solder. Tip samples are available. Custom tip designs on request. All dimensions are shown before tinning and are subject to manufacturing tolerances.</p>	
DST 2	TM-2	T-0262	.045" (1.1)	.100" (2.5)		
DST 4	TM-4	T-0264	.060" (1.5)	.135" (3.4)		
DST 5	TM-5	T-0265	.080" (2.0)	.150" (3.8)		

Desoldering Irons • V-581 • V-682 • V-985 • V-185SF

PLATO®	(mm) L	(mm) D ₁	(mm) D ₂	PLATO® PREMIUM GRADE TIP	Tip drawings are actual size.
VT-0025	.500" (12.7)	.025" (0.6)	.070" (1.8)	 <p>Premium Quality for Long Life Iron Plated outside and stainless steel tube insert prevents solder path erosion by solder. Tinned for good heat transfer. Threads and body immunized. Custom tip designs on request. All dimensions are shown before tinning and are subject to manufacturing tolerances.</p> 	
VT-0033	.500" (12.7)	.033" (0.8)	.070" (1.8)		
VT-0040	.500" (12.7)	.040" (1.0)	.090" (2.3)		
VT-0050	.500" (12.7)	.050" (1.3)	.100" (2.5)		
VT-0060	.500" (12.7)	.060" (1.5)	.120" (3.0)		
VT-0090	.500" (12.7)	.090" (2.3)	.170" (4.3)		
VT-1050	.750" (19.0)	.050" (1.3)	.100" (2.5)		

SOLDERING TIPS

A.P.E.®	Plato®	Pg.
1212-0125	22-1627	34
1212-0016	22-2931	34
1212-0001	22-4927	34

American Beauty®

Plato®	Pg.
67-S	44-105
271	22-315
501	22-127
502	22-142
503	21-175
507	22-320
509	22-428
510	22-449
512	21-572
524	20-851
604	31-150
605	32-168
607	32-168
613	32-306
615	32-338
617	33-364
619	33-395
625	33-415
626	32-660
630	32-402
643	33-131
701	42-117
703	42-138
704	44-152
706	41-199
714	42-347
715	44-352
716	42-355
720	44-386
721	44-390
724	44-443
730	42-713
738	44-611
739	42-685

Antex®

Plato®	Pg.
2-IC	A-108
2-IS	A-521
6-NS	A-5217
8-I	A-417
46-IC	A-144
46-IS	A-542
46-NS	A-5890

Bonkote®

Plato®	Pg.
5-0.5C	BKT-5897
5-1C	BKT-5899
5-2B	BKT-8144
5-2BC	BKT-5900
5-2C	BKT-5898
5-2D	BKT-6079
7-1C	BKT-5736
7-2B	BKT-4835
7-3C	BKT-5738
7-5A	BKT-2046
7-5B	BKT-4836
7-KF	BKT-0954
10-4C	BKT-5777
10-6B	BKT-4832
10-6C	BKT-5778
10-8B	BKT-4857
10-8D	BKT-2792
10-KF	BKT-0940

Edsyn Loner®

Plato®	Pg.
LT-374	E-4709
LT-375	E-2621
LT-376	E-2622
LT-381	E-8134
LT-383	E-4781
LT-392	E-4711
LT-393	E-5649
LT-394	E-2627
LT-395	E-2625
LT-425	E-2626
LT-429	E-4710
LT-430	E-5892
LT-431	E-2624
LT-444-1	E-6060
LT-444	E-2856
LT-445	E-5891
LT-446	E-4708

Elvo®

Plato®	Pg.
501	CI-4713
506	CI-2629
507	CI-2642

509	CI-4717	29
E221	TX-300	29
E231	TX-440	29
E241	TX-322	29
E251	TX-367	29
E261	TX-314	29
E281	TX-343	29
E291	TX-351	29
E301	TX-406	29
E311	TX-338	29

Ersa®

Plato®	Pg.	
212BD	ER-4007	30
212SD	ER-4001	30
602BD	ER-4743	30
602CD	ER-2675	30
602ED	ER-2676	30
602KD	ER-2643	30
602SD	ER-4742	30
602UD	ER-8550	30
602VD	ER-2678	30
832BD	ER-4002	30
832CD	ER-3998	30
832DD	ER-5001	30
832ED	ER-3101	30
832FD	ER-5002	30
832ID	ER-4003	30
832KD	ER-3997	30
832OD	ER-0975	30
832UD	ER-4005	30
832VD	ER-3511	30
832SD	ER-4004	30
832YD	ER-3999	30
832PW	ER-5003	30

Esico®

Plato®	Pg.	
210-107	22-142	34
210-114	22-142	34
210-132	22-127	34
210-143	22-127	34
211-105	21-175	34
211-127	21-175	34
220-103	22-320	34
220-116	22-320	34
240-102	22-449	34
240-111	22-449	34
251-120	21-572	34
251-131	21-572	34
310-108	33-131	35
310-115	33-131	35
311-103	31-150	35
311-124	31-150	35
312-105	32-168	35
312-116	32-168	35
320-109	33-364	35
320-118	33-364	35
320-136	33-395	35
320-144	33-395	35
322-104	32-306	35
322-117	32-306	35
322-220	32-338	35
322-146	32-338	35
342-112	32-660	35
342-119	32-660	35
410-126	44-152	36
410-140	44-152	36
411-107	41-199	36
411-123	41-199	36
412-103	42-117	35
412-110	42-683	36
412-131	42-117	35
412-159	42-138	35
412-246	42-138	35
413-102	43-754	35
413-117	43-799	36
420-106	44-390	35
420-114	44-715	36
420-119	44-390	35
420-130	44-611	36
420-143	44-386	35
420-164	44-386	35
420-201	44-706	36
422-113	42-619	36
422-132	42-355	36
422-144	42-347	35
422-347	42-347	35
426-161	46-626	36
426-173	46-626	36
426-189	46-912	36
440-129	44-443	35
440-138	44-653	36
440-177	44-443	35
442-139	42-628	35
442-147	42-685	36
442-153	42-628	35
451-146	41-545	35
451-167	41-545	35
610-102	66-145	37
613-103	63-155	37
620-126	66-627	38

620-383	66-300	38
630-107	66-201	37
640-169	66-409	37
640-190	66-911	38
1010-119	1010-184	38
1030-101	1010-286	38

Hakko®

Plato®	Pg.	
582-T-4	400-8148	22
585-T-6	600-8149	22
587-T-8	800-8150	22
900L-T-2B	HS-4789	21
900L-T-2C	HS-5705	21
900L-T-3C	HS-5706	21
900L-T-3CF	HS-5867	21
900L-T-4C	HS-5707	21
900L-T-5C	HS-5876	21
900L-T-1.6D	HS-6094	21
900L-T-2.4D	HS-6027	21
900L-T-3.2D	HS-2755	21
900L-T-B	HS-4788	21
900L-T-I	HS-4790	21
900L-T-K	HS-0922	21
900L-T-LB	HS-8177	21
900L-T-S1	HS-1666	21
900M-T-0.2RB	HS-4791	19
900M-T-0.5C	HS-5715	19
900M-T-0.8C	HS-5716	19
900M-T-1C	HS-5701	19
900M-T-1CF	HS-5862	19
900M-T-1.5CF	HS-5861	19
900M-T-2C	HS-5702	19
900M-T-2CF	HS-5863	19
900M-T-3C	HS-5703	19
900M-T-3CF	HS-5864	19
900M-T-4C	HS-5875	19
900M-T-4CF	HS-5866	19
900M-T-0.8D	HS-2863	19
900M-T-1.2D	HS-2796	19
900M-T-1.6D	HS-2751	19
900M-T-2.4D	HS-2752	19
900M-T-3.2D	HS-2753	19
900M-T-1.8H	HS-0926	19
900M-T-1.2LD	HS-6030	19
900M-T-2LD	HS-6092	19
900M-T-3.2LD	HS-6093	20
900M-T-B	HS-4785	20
900M-T-H	HS-0925	20
900M-T-I	HS-4787	20
900M-T-K	HS-0927	20
900M-T-LB	HS-4786	20
900M-T-R	HS-0923	20
900M-T-RT	HS-0924	20
900M-T-SB	HS-4792	20
900M-T-SMD	HS-4988	20
900M-T-S3	HS-1665	20
900M-T-S4	HS-8175	20
900M-T-S5	HS-8157	20
900M-T-S6	HS-5827	20
900M-T-S7	HS-5826	20
900S-T-B	HS-4875	20
900S-T-1.6D	HS-2847	20
900S-T-I	HS-4878	20
918-T-3C	HS-5807	22
918-T-4C	HS-5877	22
918-T-5C	HS-5878	22
918-T-1.6D	HS-2938	22
918-T-2.4D	HS-2939	22
918-T-3.2D	HS-6029	22
918-T-B	HS-4838	22
918-T-BC	HS-5806	22
920-T-2C	HS-5781	23
920-T-3C	HS-5857	23
920-T-4C	HS-5859	23
920-T-1.0D	HS-6095	23
920-T-1.6D	HS-2936	23
920-T-2.4D	HS-2937	23
920-T-3.2D	HS-2818	23
920-T-B	HS-4840	23
920-T-BC	HS-5805	23
920-T-D	HS-2937	23
920-T-I	HS-4933	23
920-T-R	HS-0876	23
920-T-RT	HS-0877	23
980-T-B	HS-5710	23
980-T-BC	HS-5711	23
980-T-D	HS-5712	23
BB3	300-8179	22
BB4	400-8182	22
BB6	600-8181	22
N452-T-B	HS-4860	24
N452-T-C	HS-5879	24
N452-T-D	HS-1647	24
N452-T-I	HS-4904	24
N452-T-SB	HS-8126	24
N452-T-SC	HS-5880	24
N452-T-SD	HS-1646	24
N452-T-1C	HS-5881	24
N452-T-2C	HS-5882	24
N452-T-3C	HS-5883	24

N452-T-4C	HS-5884	24
N454-T-B	HS-4903	24
N454-T-D	HS-1648	24
N454-T-I	HS-8127	24
N454-T-2C	HS-5885	24
N454-T-3C	HS-5886	24
N454-T-4C	HS-5887	24
N454-T-5C	HS-5888	24

Hexacon®

Plato®	Pg.	
HT104	20-851	34
HT108	66-409	37
HT118	32-402	35
HT129	66-367	37
HT131	44-653	36
HT145	63-155	37
HT151	66-145	37
HT159	41-545	35
HT178	1010-397	38
HT190	33-395	35
HT195	33-131	35
HT202	44-611	36
HT207	33-364	35
HT220	31-517	34
HT222	22-449	34
HT249	22-127	34
HT256	1010-286	38
HT276	31-150	35
HT281	33-415	35
HT313	44-352	35
HT324	42-138	35
HT331	22-687	34
HT343	44-443	35
HT356	42-619	36
HT358	42-347	35
HT359	42-355	36
HT361	21-175	34
HT376	22-142	34
HT397	44-386	35
HT417	44-390	35
HT426	44-715	36
HT449	66-300	38
HT451	42-117	35
HT452	42-685	36
HT453	40-712	36
HT463	43-754	35
HT468	44-105	36
HT470	66-349	38
HT472	66-911	38
HT473	43-799	36
HT474	32-168	35
HT477	22-315	34
HT479	32-660	35
HT499	1010-184	38
HT506	55-316	37
HT511	20-851	34
HT513	42-628	35
HT547	55-118	37
HT548	32-338	35
HT550	55-321	37
HT552	46-626	36
HT553	44-152	35
HT556	55-336	37
HT560	22-320	34
HT566	66-201	37
HT586	44-706	36
HT667	22-320	34
HT685	42-683	36
HT691	41-199	

Edsyn Loner

Hakko

Hexacon

PLATO[®]

***Your Source for Soldering Iron
Tips and Accessories***

Weller

American Beauty

Pace

OK Ind.

Ersa

TECH SPRAY^{L.P.}

Tech Spray, L.P.
P.O. Box 949
Amarillo, TX 79105-0949
Phone: (806) 372-8523
Fax: (806) 372-8750
Toll-Free: (800) 858-4043
email: tsales@techspray.com

Plato Products GmbH Europe
Esselbachstr. 26
75438 Knittlingen Germany
Phone: (49) 7043-3074
Fax: (49) 7043-31860
email: plato@vobaplus.de

Plato Products, Inc.
Plato Representative Office
111 North Bridge Road
#27-01/02 Peninsula Plaza
Singapore 179098
Phone: (65) 63893963
Fax: (65) 63893953
email: lwong@techspray.com