

# HTP

America Inc.

11th Edition

## USA Weld



*Everything* **FOR WELDING**

\$2.00

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[www.USAWeld.com](http://www.USAWeld.com)

## Letter from the President

**HTP** America Inc.

Thank you for making HTP one of the top welding suppliers in America! After **over 30 years** of satisfying customers, we're still doing our very best to stay on the cutting edge for you --- and your loyalty is our well-appreciated reward.

Here's our big news with this year's catalog: **We ship it free!** That's right --- any order over \$35 ships free anywhere in the United States\* (Some larger items are restricted to the Continental United States for free shipping, or shipped anywhere for an additional charge.).

Just what does "free" mean to you? It means that when you're ready to order one of our heavyweight machines, you'll instantly know the cost of shipping --- it's free! When you need just a couple spools of wire to finish a project, there's no added charge --- that ships free as well! Big or small, whenever you pick up the phone or visit our website to place an order of \$35 or more, the shipping cost for products is always the same --- **it's absolutely FREE.**

While we hold the line on prices, we certainly aren't putting the brakes on innovation. Be sure to take a look at our amazing selection of **MIG Guns** on pages 43-45. And take a look at our revolutionary "flex neck" Mig Guns on page 23 -- talk about getting into tight places! We have a series of powerful, dependable and feature-packed MIG welders at prices most anyone can afford.

If you're a **TIG welder**, our torches on page 13 might tempt you with something your shop, garage or off-site welding location can't live without. Like a proud parent, we're thrilled with the success of "America's Sweetheart," our popular **Invertig 221** on page 4. With a full 220 amps and at only 40 pounds, customers are taking this machine on the road in record numbers.

Our aim is always to help you find the right product for your next welding job --- and your comments on our sites indicate we're doing pretty well at it. If you haven't taken the time yet, come join our **Facebook** community ([Facebook.com/HTPAmerica.USAWeld](https://www.facebook.com/HTPAmerica.USAWeld)) or link into the buzz on **Twitter** ([Twitter.com/HTPUSAWeld](https://twitter.com/HTPUSAWeld)). We keep it lively by sharing projects, stories, industry trends, new products and welding tips and tricks. There's something new every day.

As our tagline states, our aim is to bring you "**everything for welding.**" Thanks for your loyalty to our company and for keeping pace with us as we provide you with the nation's best welding products at the most affordable prices.



**Jeff Noland, President**

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# Arctic Chill 5460 Water Cooler

**New**



## Introducing the HTP Arctic Chill 5460 Water-Cooler for TIG welding.

The Arctic Chill 5460 features a flat, folding handle for easy portability; we've seen many coolers without handles, and it's always a struggle to get the cooler out from underneath your welder or in and out of your cart. The convenient, screw-cap fill and bottom drain make filling and changing coolant quick and easy. Standard 5/8—18 left-hand, male water fittings make your Arctic Chill cooler compatible with all major brands of water-cooled torches. Also, clearly marked water-in and water-out lines make reversing the coolant flow harder, so you don't end up boiling the coolant in the torch head.

Let's face it—what's important about a water cooler is what's on the inside. The Arctic Chill 5460 features an Italian made, ½ HP, sealed motor. Overall, a sealed motor lasts longer in a harsh environment since dust, dirt, and metal filings cannot get into the windings of the motor. Furthermore, the Arctic Chill 5460 features a stainless steel pump, with a bronze impeller, which moves plenty of coolant to keep your TIG torch cool, as well as a five-bladed fan, which moves plenty of air across the heat exchanger. The heat exchanger in the Arctic Chill 5460 measures 7½" wide by 11" high, giving you a surface area over 80 sq inches to dissipate the heat generated by your welding process. Our heat exchanger also features two rows of copper tubes, not one like some of our competitors.

Heat Exchanger



Sealed Motor and Five-Bladed Fan



### The Arctic Chill 5460 is available in 5 models:

**110 Volt**

**220 Volt**—for the **HTP Invertig 221** (includes a direct connect plug)

**220 Volt**—for other brands of TIG welders (does **not** include plug)

**Dual Voltage**—for the **HTP Invertig 221 DV** (includes a direct connect plug)

**Dual Voltage**—for other brands of TIG welders (does include plug)

Specifications	110 Volts	220 Volts
Motor Input	115 volts 60 Hz	220 volts 50/60 Hz
Maximum Current Draw	1.8	1.1 / 0.9
Rated Cooling Capacity	3760 Watts @ 1.7 /Min or 12,380 Btu/Hr @ 1.8 Qt/Min	
Tank Capacity	2 Gallons	
Dimensions	14" H x 10" W x 17 ¾/4" D	
Weight	30 lbs.	

**AC5460-110** Arctic Chill Cooler - 110 Volts **\$439.00**

**AC5460-220** Arctic Chill Cooler - 220 Volts for HTP Invertig 221 **\$439.00**

**AC5460-220-NP** Arctic Chill Cooler - 220 Volts, Plug Not Included **\$439.00**

**AC5460-DV** Arctic Chill Cooler - Dual Voltage for HTP Invertig 221DV **\$489.00**

**AC5460-DV-NP** Arctic Chill Cooler - Dual Voltage, Plug Not Included **\$489.00**

# Invertig 221

- Air Cooled #70221-12.5 \$2495.00**
- Water Cooled #70221WC \$2995.00**
- Dual Voltage #70221DV-PS \$3020.00**

When we introduced our first 200 amp AC/DC inverter machine 10 years ago, we were up against some major competitors. However, the market readily accepted the tough line of HTP Invertig welders. Fast forward to today—HTP introduces our third generation of AC/DC inverter machines, the HTP Invertig 221!

HTP continues to set new standards in AC/DC inverter welders with the Invertig 221. We increased the maximum welding current by 10% to a full 220 amps of rugged welding power. And we put the machine on a diet; the HTP Invertig 221 weighs in at only 40 lbs, so it's easy to take right to the job! We also added the Invertig 221 DV (dual voltage) model which welds on both 110 volts and 220 volts—the ultimate in portability.

The Invertig 221 is packed with features many of our competitors don't even offer at twice the price! It's the only welder in its class with independent AC amperage adjustment. This feature gives you precise control over the heat input to both the workpiece and the tungsten by allowing you to separately adjust the electrode negative and electrode positive amperage.

Conventional transformer TIG welders have a fixed AC frequency of 60 Hz (same as your household current). They use a pure tungsten electrode which forms a ball when welding AC. The Invertig 221 offers you the ability to adjust the AC frequency from 20 Hz to 200 Hz—the higher AC frequency gives you a more focused arc with greater arc control. With an inverter, running a higher AC frequency, say in the 150 Hz to 200 Hz range, allows you to use ceriated, lanthanated, or thoriated tungsten sharpened to a point, which:

- Allows the arc to jump from a point instead of a ball, which provides unparalleled arc stability and reduces "arc wandering".
- Produces a more focused arc, resulting in a narrower bead, making it much easier to weld inside corners.
- Minimizes the heat affected zone as the heat is more concentrated, making it easier for both the novice and professional to weld thin materials.

*Water Cooled version of the Invertig 221 with new Arctic Chill Cooler. Cart and tank not included.*



### Optional upgrade accessories:

- |   |                 |
|---|-----------------|
| • 25' long, 17 Series air-cooled TIG torch with a 25' foot pedal.   | <b>\$56.00</b>  |
| • 25' Ground with Clamp   | <b>\$99.00</b>  |
| • 15' Ground extension  | <b>\$60.00</b>  |
| • Water cooled upgrade – includes water cooler and replaces air-cooled torch with SR20 water-cooled torch | <b>\$500.00</b> |
| • Hand amp control with either slider or rotary control   | <b>\$185.00</b> |
| • 15' Electrode Holder & Cable  | <b>\$60.90</b>  |
| • 16 gauge, heavy duty cart with bottle tray  | <b>\$329.95</b> |
| • Economy Cart  | <b>\$99.95</b>  |
| • Consumable Kit for torches  | <b>\$61.00</b>  |
| • Pyrex Cup Kit   | <b>\$60.95</b>  |
| • Machine Cover for Invertig 221  | <b>\$55.00</b>  |
| • Leather Cover for TIG Torches 10'   | <b>\$42.41</b>  |
| • Leather Cover for TIG Torches 23'   | <b>\$74.95</b>  |

The 221 gives you precise control over the AC balance (from 10% to 90%) so you can control the arc cleaning action.

The 221 is an excellent DC welder. The smooth, stable arc coupled with the 221's high speed DC pulse makes intricate work on mild steel, 4130, stainless, inconel, and titanium a breeze. The high speed DC pulse focuses the DC arc much like the AC balance focuses the AC arc; the end result—more control and less arc wandering. With a pulse rate of up to 999pps, there isn't a job out there the 221 can't handle.

Let's face it, control of the arc is the foundation of better welds and precision results. With the 221's independent AC amperage adjustment, adjustable AC frequency, adjustable AC balance, and high speed DC pulse, the 221 gives you arc control like you never before experienced.

The 221 allows you to store 64 separate welding programs. Say you find a setting you really like for welding aluminum radiator tanks. Simply store this program and you can come back to it when you have another tank job.

The Invertig 221 provides outstanding performance when stick welding in either AC or DC modes.

Select the touch start mode for welding aluminum or any other material without High Frequency. This is important if your application takes you near sensitive electronic equipment, such as on site repairs in a hospital or repairing aluminum vehicles with on-board computers.

This package of power comes standard with a 12 ½' long 17 Series air-cooled TIG torch, a 12 ½' foot pedal, 10' ground clamp, flowmeter, gas hose and TIG DVD.

The advanced technology found in the Invertig 221 allows you to produce professional quality welds in all types of metal—quickly, easily, and affordably. And every Invertig 221 comes with our 90-day money back guarantee. We are so sure you will love your Invertig 221 that you can try it in your own shop for 90 days—if for any reason you don't like it we will take it back, no questions asked. Further we back the machine with a 3-year warranty. The Invertig 221 ships free anywhere in the Continental United States, additional charges will apply for Hawaii, Alaska, Puerto Rico and international locations.

SPECIFICATIONS	Invertig 221		Invertig 221 DV	
	220 Volts	230 Volts	115 Volts	
Input Voltage	220 Volts	230 Volts	115 Volts	
Input Amperage Tig	36 amps @ 220 amps	26 amps @ 220 amps	30 amps @ 130 amps	
Output Amperage Tig	4 to 220 amps	4 to 220 amps	4 to 155 amps	
Duty Cycle	20% @ 220 amps	20% @ 220 amps	20% @ 155 amps	
	60% @ 165 amps	60% @ 165 amps	60% @ 130 amps	
	100% @ 145 amps	100% @ 145 amps	100% @ 110 amps	
No Load Voltage	65 volts	65 volts	44 volts	
Stick Welding Amps	200 amps	200 Amps	140 Amps	
Arc Voltage	10.2 to 18.8 volts		10.2 to 18.8 volts	
Torch Length/Type	SR 17 – 12.5' Long		SR 17 – 12.5' Long	
Foot Pedal Length	12.5 ft		12.5 ft	
Ground Cable Length	10 ft		10 ft	
Slope Down	.1 to 10 sec		.1 to 10 sec	
Pre-Gas Flow	.1 to 2 sec		.1 to 2 sec	
Post Gas Flow	.1 to 30 sec		.1 to 30 sec	
Final Current	10% to 90%		10% to 90%	
Pulsing Frequency	0.1 to 999 Hz		0.1 to 999 Hz	
Back Ground Current	10% to 90%		10% to 90%	
Peak Time	10% to 90%		10% to 90%	
Spot Welding Time	.1-10 sec		.1-10 sec	
AC Frequency	20 to 200 Hz		20 to 200 Hz	
AC Balance	10 to 90%		10 to 90%	
Weight	40 lbs.		41 lbs.	
Size	19 ¾" L x 7 ½" W x 15 ¾" H		19 ¾" L x 7 ½" W x 15 ¾" H	



# Invertig 131 DC/HF

#70131DCHF

List \$1095.00 | **Sale \$884.00****SPECIFICATIONS Invertig 131 DC/HF #70131DC/HF**

Input Voltage	230 Volts +/- 10%
Input Amperage (max)	25 Amps
Maximum Thickness	3/16"
Amperage Range	5 – 130 amps
Duty Cycle	15% @ 130 amps 100% @ 63 amps
No Load Voltage	93 Volts
Welding Voltage – TIG	10.2 – 15.2 volts
Welding Voltage - Stick	20.2 – 24.8 volts
Arc Force	0 – 100%
Slope Down	0.1 – 10.0 sec
Torch Type & Length	SR-9 – 12.5'
Remote Amperage Control	Foot Pedal with 12.5' Cable – Standard Hand Control – Optional
Weight	11 lbs.
Dimensions	12 1/4" L x 5" W x 9"H

**You have to see it to believe it! A combination TIG/stick welder delivering an impressive 130 amps of high performance DC TIG welding power, packaged in a compact, 11 lb., go-anywhere cabinet. It's the HTP Invertig 131 DC/HF, and you'll be happy to know that its affordable price tag is equally hard to believe.**

Sounds good so far, but can the 131 DC/HF handle the wide range of jobs you might run into? No sweat! Able to weld up to 3/16" steel, this little workhorse is the ultimate machine for chrome moly roll cage fabrication in drag race cars, custom motorcycle tanks, fenders and frames, air frame fabrication (out of either chrome moly or mild steel tubing) for experimental aircraft, custom automotive frame and sheet metal fabrication and restoration, stainless steel kitchen and dairy fabrication, as well as any other application which might require TIG or stick welding.

There are any number of other reasons why the Invertig 131 DC/HF belongs at the top of your short list. High frequency non-contact arc starting delivers operating ease which completely eliminates the possibility of tungsten contamination. The 131 also features touch start arc starting for welding applications where HF starting cannot be used. Remote foot pedal amperage control is another plus that makes your welding projects not just easier, but more precise. Also . . . amperage is infinitely adjustable from 5 to 130 amps, and a gas solenoid valve is standard, eliminating the hassle of manually operating a gas valve on the torch.

**The Invertig 131 DC/HF comes complete with a 12 1/2 ft, 9-Series super-flex high-performance TIG torch, foot pedal with 12.5 ft cable, a flowmeter with gas hose, and ground cable. The Invertig 131 has a one-year warranty and ships free anywhere in the Continental United States. So if you are looking for a high performance TIG welder at an affordable price, look no further than the 131 DC/HF.**



To see more TIG welding accessories,  
visit our online welding shop anytime  
at [www.USAWeld.com](http://www.USAWeld.com)



**TIG Torch Holder #90190 TIG \$17.95**

**Keep your work station organized!** This handy magnetic based TIG torch holder is an easy way to keep your TIG torch close at hand, but not in the way. Did you ever lay your TIG torch on the welding table, only to have it fall off and break the cup? The TIG torch holder is the solution! You can easily keep your torch close, and your fabrication area in order, with the HTP TIG torch holder.



**TIG Welding Gloves**

**Getting the perfect weld isn't just about the right equipment, it's about you, too.** Any welding job is easier and the finished result is better when you are comfortable and have the correct "feel". That's where HTP's premium quality deerskin welding gloves come in. They're soft and supple, giving you a superior level of control and making it easier for you to work the filler rod, and there is no seam on the left pointer finger and thumb. Get outstanding results . . . get a pair, or two, today! Available in Large and Extra Large.

- #25BL Large TIG Gloves **\$14.95**
- #25BXL XL TIG Gloves **\$14.95**

**TIG Welding Machine Covers**

**Your HTP TIG welder is an essential part of your shop.**

So why not protect it with a durable, water-resistant, non-flammable machine cover? Made from polyester-backed marine vinyl, these covers are specially crafted to protect your machine from moisture, dust, and other harmful workshop elements. For convenience, each cover includes a series of cutouts that allow the TIG torch, foot pedal, and ground to stay connected while the cover is in place. Protect the finish of your TIG welder . . . it's easy with an HTP machine cover.

Cover For	Part #	List	Sale
Invertig 221	70221 Cover RV	\$66.00	<b>\$55.00</b>
Invertig 201	70201 Cover RV	\$66.00	<b>\$55.00</b>
Invertig 160DC	70160DC Cover RV	\$66.00	<b>\$55.00</b>
Invertig 70130DCHF	70130DCHF Cover RV	\$66.00	<b>\$55.00</b>
Invertig 70131DCHF	70131DCHF Cover RV	\$66.00	<b>\$55.00</b>
MTS 160	60160MTS Cover RV	\$66.00	<b>\$55.00</b>



**HTP TIG DVD #99000T**

*Welcome to the World of TIG Welding* **\$35.90**

**HTP is proud to bring you our DVD, Welcome to the World of TIG Welding.** This informative, 70-minute DVD really brings you up to speed on TIG welding. If you are thinking about purchasing a TIG welder, the money spent on this DVD may very well save you hundreds of dollars by helping you select the correct machine for your application. If you already have a TIG welder, the DVD gives you a through the helmet view of TIG welding.

The DVD opens with the different models of HTP TIG welders, and explains the differences between them (AC or DC, HF starting or scratch starting, remote amperage control—do you know what you need?) We then cover TIG torches and the correct assembly of collets, collet bodies, alumina cups, and tungsten on the torch, along with specialty torches.

The DVD then goes into the front panel controls and explains slope up and down, post flow, final current, and pulsing. On the AC side, frequency and balance are explained in detail. Then, we give you a welder's eye view of the TIG welding process, looking through our Striker Digital helmet, as if you are doing it yourself. We start out by running a bead, then a bead with filler, butt weld, lap weld, and fillet weld, in both steel and aluminum.

**If you purchase the TIG DVD, and then decide to purchase an HTP TIG welder, we will credit the purchase price of the DVD towards the purchase of the welder. So how can you lose?**



# TIG Filler Rod

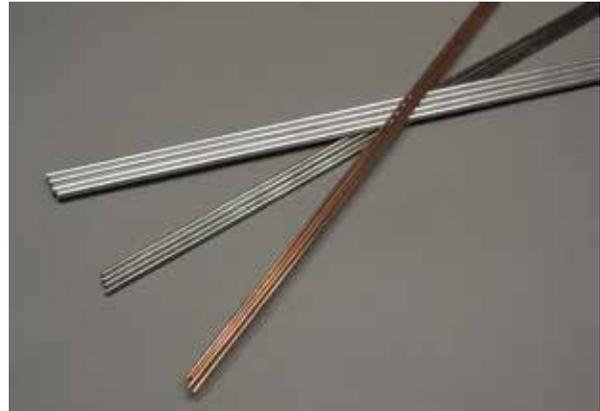
## Filler Rod for TIG Welding

In TIG welding, the filler rod is fed into the molten puddle by hand. The choice of filler rod is extremely important as the rod must correctly match the material and alloy you will be welding. The thickness of the material to be welded determines the diameter of the filler rod.

Here are some good rules of thumb to help you select the correct filler metal:

1. 4043 is a good general filler metal for most aluminum applications. Remember 2xxx and 7xxx series aluminum is generally not recommended if the application requires welding.
2. 5356 is used for 5xxx series aluminum and is generally preferred if the finished piece will be anodized.
3. ER70S-6 is generally used for mild steel welding.
4. ER70S-2 is highly recommended for welding 4130 chrome moly tubing in many applications.
5. ER80S-D2 is recommended for welding 4130 chrome moly tubing if a higher strength, less ductile weld is required. If your weld will be heat treated to obtain optimum strength, then use a filler metal which matches the chemistry of your tubing, which neither 70S-2 nor 80S-D2 wires do.
6. Generally speaking, use a 1/16" diameter filler rod for applications where the material is 1/8" and less. Use a 3/32" diameter rod for 1/8" and thicker.

HTP offers you high quality filler rods in affordable quantities. All filler rod is packaged in 2 lb. containers to keep your filler rod fresh and contaminant free.



FILLER ROD

PART #	Material - 2 lb. Containers	Sale Price
4043-1/16-36	4043 Alloy Aluminum Wire 1/16" x 36"	\$21.95
4043-3/32-36	4043 Alloy Aluminum Wire 3/32" x 36"	\$21.95
4043-1/8-36	4043 Alloy Aluminum Wire 1/8" x 36"	\$21.95
5356-1/16-36	5356 Alloy Aluminum Wire 1/16" x 36"	\$21.95
5356-3/32-36	5356 Alloy Aluminum Wire 3/32" x 36"	\$21.95
5356-1/8-36	5356 Alloy Aluminum Wire 1/8" x 36"	\$21.95
308L-045-18	308L Stainless Steel Wire - .045" x 18"	\$28.00
308L-1/16-18	308L Stainless Steel Wire 1/16" x 18"	\$28.00
308L-3/32-18	308L Stainless Steel Wire 3/32" x 18"	\$28.00
70S6-1/16-18	ER70S-6 Steel Wire 1/16" x 18"	\$21.50
70S6-3/32-18	ER70S-6 Steel Wire 3/32" x 18"	\$21.50
70S2-1/16-36	ER70S-2 Steel Wire 1/16" x 36"	\$25.50
80SD2-1/16-36	ER80SD-2 Steel Wire 1/16" x 36"	\$27.50

## HTP Algae Eliminator #DF928-04 \$8.96

You've heard that old adage about killing two birds with one stone. Well, that's exactly what HTP Algae Eliminator does. This exciting product helps protect your closed water cooling system from algae buildup while, at the same time, helping lubricate the system pump and keep it operating smoother and more effectively. The result is a cleaner, better operating cooling system. One bottle treats three gallons.



## HTP Coolant \$29.95

If your welding applications are subject to freezing temperatures, you'd better put HTP Coolant, Anti-Freeze, and Pump Lubricant at the top of your shopping list. This proven performer is a quick, cost-effective way to protect your equipment's water cooler or other closed-loop cooling system from freezing temperatures all the way down to 10° F. The benefits don't stop there! HTP Coolant helps reduce water evaporation; saving time because less fill maintenance is required. It also lubricates pumps, helping prevent premature pump wear, and it's plasma compatible because it doesn't conduct electricity. Available in one-gallon containers.



# Tungsten

**Selecting the correct tungsten electrode is important to getting high-quality welds and making your welding easier.**

Some important factors to be considered in making the right choice are type of power source (Inverter or transformer), material to be welded (steel, aluminum, or stainless steel), and the thickness of the material.

We offer the following premium quality tungsten, ground to a high quality finish. All tungsten is 7" long and sold in packages of 10. For individual pieces, you can visit our website at [www.USAWeld.com](http://www.USAWeld.com) or call us at 800-USA-WELD (800-872-9353).

**Pure Tungsten (TP)**—Green Tip. Readily forms a ball on the end, and generally used with transformer-based power sources for AC welding of aluminum.

**2% Thoriated Tungsten (TT2)**—Red Tip. The most common tungsten currently being used; generally utilized for DC welding of steel and stainless steel and offers good overall performance. A drawback is that this tungsten has a low level radiation hazard.

**2% Ceriated Tungsten (TC2)**—Orange Tip. An excellent substitute for 2% Thoriated tungsten if you are using a transformer-based power source for DC welding. Popular for thinner materials because it requires less amperage to start. Offers a stable arc and can be used for both AC and DC welding with inverter power sources.

**1 ½% Lanthanated Tungsten (TL15)**—Gold Tip. Also a great substitute for 2% Thoriated tungsten. Offers good arc starting characteristics and longer life than 2% Thoriated. Can be used for both AC and DC welding with both inverter and transformer power sources.

**2% Lanthanated Tungsten (TL2)**—Blue Tip. The most commonly used, non-radioactive tungsten and also a great substitute for 2% Thoriated tungsten. Offers great arc starting characteristics and longer life than 2% Thoriated, a good tungsten for pulsing or welding that requires frequent re-ignitions with a short weld cycle. Can be used for both AC and DC welding with both inverter and transformer power sources.

### Tungsten Diameter and Prices, 10 per Package

Tungsten Type	.040" (1.0mm)	1/16" (1.6mm)	3/32" (2.4mm)	1/8" (3.2mm)
Pure Tungsten	TP-7040 <b>\$11.45</b>	TP-7116 <b>\$14.95</b>	TP-7332 <b>\$23.45</b>	TP-718 <b>\$30.95</b>
2% Thoriated	TT2-7040 <b>\$11.45</b>	TT2-7116 <b>\$14.95</b>	TT2-7332 <b>\$23.45</b>	TT2-718 <b>\$30.95</b>
2% Ceriated	TC2-7040 <b>\$11.45</b>	TC2-7116 <b>\$14.95</b>	TC2-7332 <b>\$23.45</b>	TC2-718 <b>\$30.95</b>
1½% Lanthanated	TL15-7040 <b>\$11.45</b>	TL15-7116 <b>\$14.95</b>	TL15-7332 <b>\$23.45</b>	TL15-718 <b>\$30.95</b>
2% Lanthanated	TL2-7040 <b>\$11.45</b>	TL2-7116 <b>\$14.95</b>	TL2-7332 <b>\$23.45</b>	TL2-718 <b>\$30.95</b>
Amperage - AC	20-30	30-80	60-130	120-200
Amperage - DC	15-50	50-120	80-150	130-250



*Our Tungsten is sold 10 per pack. For individual pieces you can visit our website at [www.USAWeld.com](http://www.USAWeld.com) or call us at 800-USA-WELD (800-872-9353).*

# Pyrex Cups & Kits

**Nothing makes welding easier than being able to see what you are doing. HTP's Pyrex Cup kits do just that!**

The clear Pyrex cup gives you unparalleled visibility of the arc and work. The Pyrex cup kit also comes standard with our special gas saver gas lens. This unique system saves gas while at the same time providing better gas coverage with a more even and uniform gas flow, eliminating gas turbulence which can cause weld quality problems. Pyrex cup kits are available to fit all standard torches. There is even a special large diameter kit available for welding titanium.



Series 17 Pyrex Cup with Gas Saver



### Pyrex Cup Parts

Illus #	Description	Tungsten Diameter				Price
		0.040"	1/16"	3/32"	1/8"	
<b>For 9 Series Air Cooled and 20 Series Water Cooled TIG Torches</b>						
1	Pyrex Cup	PYR8S	PYR8S	PYR8S	PYR8S	<b>\$ 16.59</b>
2	Tungsten Adapter	PYR040TA	PYR116TA	PYR332TA	PYR18TA	<b>\$ 4.83</b>
3	Collet Body	PYR20CB	PYR20CB	PYR20CB	PYR20CB	<b>\$ 4.25</b>
4	Wedge Collet	PYR20C040	PYR20C116	PYR20C332	PYR20C18	<b>\$ 3.21</b>
5	Heat Shield	2HSGS	2HSGS	2HSGS	2HSGS	<b>\$ 6.21</b>
	Complete Kit	PYREX20-040	PYREX20-1/16	PYREX20-3/32	PYREX20-1/8	<b>\$ 34.95</b>

### For 17 and 26 Air Cooled and 18 Series Water Cooled

#### Short Configuration

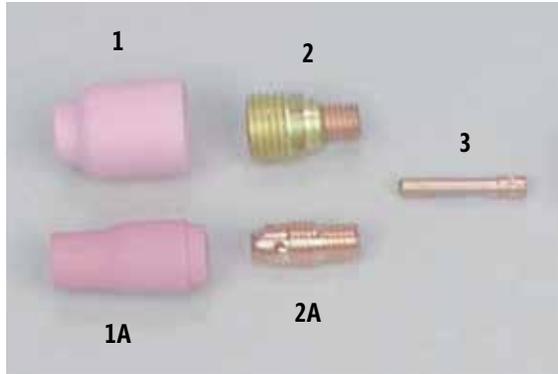
1	Pyrex Cup	PYR8S	PYR8S	PYR8S	PYR8S	<b>\$ 16.69</b>
2	Tungsten Adapter	PYR040TA	PYR116TA	PYR332TA	PYR18TA	<b>\$ 4.83</b>
3A	Collet Body	PYR17SCB	PYR17SCB	PYR17SCB	PYR17SCB	<b>\$ 4.25</b>
4A	Wedge Collet	PYR17SC040	PYR17SC116	PYR17SC332	PYR17SC18	<b>\$ 4.71</b>
5A	Heat Shield	3HSGS	3HSGS	3HSGS	3HSGS	<b>\$ 6.25</b>
	Complete Kit	PYREX17S-040	PYREX17S-1/16	PYREX17S-3/32	PYREX17S-1/8	<b>\$ 39.95</b>

#### Standard Configuration

1B	Pyrex Cup	PYR8L	PYR8L	PYR8L	PYR8L	<b>\$ 19.75</b>
2	Tungsten Adapter	PYR040TA	PYR116TA	PYR332TA	PYR18TA	<b>\$ 4.83</b>
3B	Collet Body	PYR17LCB	PYR17LCB	PYR17LCB	PYR17LCB	<b>\$ 5.69</b>
4B	Wedge Collet	PYR17LC040	PYR17LC116	PYR17LC332	PYR17LC18	<b>\$ 3.06</b>
5A	Heat Shield	3HSGS	3HSGS	3HSGS	3HSGS	<b>\$ 6.25</b>
	Complete Kit	PYREX17-040	PYREX17-1/16	PYREX17-3/32	PYREX17-1/8	<b>\$ 49.95</b>

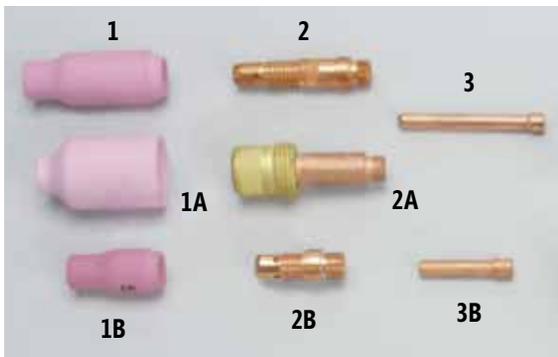
# TIG Torch Parts

## Parts for 9 Series Air Cooled and 20 Series Water Cooled TIG Torches



Illus #	Description	Tungsten Diameter				Price
		0.040"	1/16"	3/32"	1/8"	
<i>Gas Lens Configuration (optional)</i>						
1	Alumina Nozzle (Pkg 10)	53N59	53N60	53N61	53N61S	<b>\$7.50</b>
2	Gas Lens Collet Body (Ea.)	45V42	45V43	45V44	45V45	<b>\$2.50</b>
3	Collet (Pkg 5)	13N21	13N22	13N23	13N24	<b>\$3.00</b>
<i>Standard Configuration</i>						
1A	Alumina Nozzle (Pkg 10)	13N08	13N09	13N10	13N11	<b>\$6.00</b>
2A	Collet Body (Pkg 5)	13N26	13N27	13N28	13N29	<b>\$4.50</b>
3	Collet (Pkg 5)	13N21	13N22	13N23	13N24	<b>\$3.00</b>

## Parts for 17 & 26 Series Air Cooled and 18 Series Water Cooled TIG Torches



Illus #	Description	Tungsten Diameter				Price
		0.040"	1/16"	3/32"	1/8"	
<i>Standard Configuration</i>						
1	Alumina Nozzle (Pkg 10)	10N49	10N48	10N47	10N46	<b>\$7.90</b>
2	Collet Body (Pkg 5)	10N30	10N31	10N32	10N28	<b>\$5.00</b>
3	Collet (Pkg 5)	10N22	10N23	10N24	10N25	<b>\$2.75</b>
<i>Gas Lens Configuration (optional)</i>						
1A	Alumina Nozzle (Pkg 10)	54N17	54N16	54N15	54N14	<b>\$9.98</b>
2A	Gas Lens Collet Body (Ea.)	45V24	45V25	45V26	45V27	<b>\$3.00</b>
3	Collet (Pkg 5)	10N22	10N23	10N24	10N25	<b>\$2.75</b>
<i>Short Configuration</i>						
1B	Alumina Nozzle (Pkg 10)	13N08	13N09	13N10	13N11	<b>\$6.00</b>
2B	Collet Body (Ea.)	17CB20	17CB20	17CB20	17CB20	<b>\$3.95</b>
3B	Collet (Ea.)	10N22S	10N23S	10N24S	10N25S	<b>\$2.00</b>

**Adjustable Tungsten Grinder** List \$549.95 | **Sale \$284.95** #TS-ADJ      **Tungsten Grinder** List \$474.95 | **Sale \$234.95** #sharpenr  
**Battery Operated Tungsten Grinder** List \$499.95 | **Sale \$319.95** #TS-PPE-BAT  
**Battery Operated Adjustable Tungsten Grinder** List \$569.95 | **Sale \$379.95** #TS-PPE-ADJ-BAT

### Still sharpening your Tungsten Electrodes on a dirty, worn grinding wheel?

Then you need The Grinder by HTP. This exceptional unit puts the perfect, 22.5 degree point on your tungsten electrode every time, making it an affordable alternative to precisely cut, flattened, and sharpened electrodes. It's the perfect accessory for both the professional and part-time TIG welder! The Grinder has six speeds to choose from, ranging from 8,000 to 30,000 rpm. Available in 110 V (weighing just 1 pound) or our battery operated model, you will find both models are extremely portable and easy to take right to the job.

The Adjustable Tungsten Grinder includes all the features of our standard grinder, plus the added bonus of adjusting the angle, or the point of the tungsten, from 10 to 30 degrees. The Adjustable Tungsten Grinder is available in a 110 V or battery operated model as well.

All HTP Tungsten Grinders come with 1/16", 3/32" and 1/8" collets and a replaceable diamond wheel, which is double sided for long life—so when one side is worn out, you just flip it over and keep sharpening. Additional diamond wheels and collets for grinding .040" or .020" tungsten are available and sold separately. The battery operated models come complete with a carrying case, 12 v rechargeable battery, and a 110 v charger!



Standard Grinder Head



Adjustable Grinder Head

# TIG Accessory Kits



## Pyrex Cup Kits

**Stay neat and organized with our Pyrex Cup Kits.** Each kit includes a handy compartmentalized box with part numbers and diameters. This kit includes all the necessary components to allow you to use your Pyrex cup with the following tungsten diameters: .040", 1/16", 3/32" and 1/8". Each kit includes: Heat Shield, Wedge Collet, Collet Body, Tungsten Adapter, and Pyrex Cup. Wedge Collet and Tungsten Adapter come in .040", 1/16", 3/32" and 1/8" sizes.

**Pyrex Cup Kit for 9 & 20 Series Torches # PYREX20KIT**  
List \$74.00 | **Sale \$54.95**

**Short Pyrex Cup Kit f/17, 18, & 26 Series Torches # PYREX17SKIT**  
List \$80.00 | **Sale \$60.95**

**Standard Pyrex Cup Kit for 17, 18, & 26 Series Torches #PYREX17LKIT**  
List \$80.00 | **Sale \$60.95**

## Flex Neck TIG Torch Head

**Need to change the angle of your TIG torch to get into that tight area?** Trouble is, with a standard TIG torch you can't. Well, HTP has the answer: our Flex Neck TIG Torch. This unique torch lets you bend the end of your TIG torch into virtually any position, allowing you quick, easy access to practically any tight, cramped, or out-of-the-way spot. Imagine how much easier your welding will be! **HTP has a head available to fit all 9, 17, 20 and 26 series torches, no matter what brand of TIG welder you have.** Also, any HTP TIG Welder can be upgraded to this torch when ordered. Don't waste time, place your order today.

**SR9-F \$44.95 SR20-F \$64.95**  
**SR17-F \$47.95 SR26-F \$54.95**



## TIG Parts Kits

**These handy parts kits include everything you need for those critical welding jobs.** And the compartmentalized box is a great way to keep those parts organized, easy to find, and easy to re-order. Each kit includes one short Back Cap and one of each of the following: 2% Ceriated Tungsten, 1.5% Lanthanated Tungsten, Collet, Collet Body and Alumina Cup in each of the following diameters: .040", 1/16", 3/32" and 1/8".

**TIG Parts Kit for 9 & 20 Series Torches # SR-911**  
List \$79.95 | **Sale \$61.00**

**TIG Parts Kit for 17, 18 & 26 Series Torches # SR-1711**  
List \$79.95 | **Sale \$61.00**

## Gas Lens Kits

**If you're looking for better shield gas coverage patterns, then our Gas Lens Kit is for you.** With better shielding gas patterns the welder can extend the electrode beyond the edge of the gas cup for getting into tight spaces or corners. The kit comes in our compartmentalized plastic box and contains Alumina Cups and Gas Lens in the following sizes .040", 1/16", 3/32", and 1/8".

Gas Lens Kit for 9 & 20 Series Torches SR-911GL **\$35.95**  
Gas Lens Kit for 17, 18 & 26 Series Torches SR-1711GL **\$35.95**

## HTP Swivel Head TIG Torch

**Our swivel head torch is designed specifically for those tough tubing fabrication applications where it is virtually impossible to weld with a conventional torch.** The head can be quickly swiveled and locked in any position within a 360° rotation. With it, you'll easily be able to reach tight corners, joints, recesses, and other previously unreachable spots. Anyone working on experimental aircraft frames, drag racing chassis, or basically any application that requires welding a tube frame will find this special TIG torch not just useful, but an absolute necessity.



**Available for all brands of TIG welders. Call us today, 800-872-9353, for a price for your specific machine.**

SH-9-12 **\$161.95** SH-9-25 **\$194.95**  
SH-17-12 **\$160.90** SH-17-25 **\$194.95**  
SH-20-12 **\$167.00** SH-20-25 **\$210.00**

# TIG Torches

Nothing makes TIG welding easier than a high quality TIG torch with a nice flexible cable – that’s why HTP offers replacement TIG welding torches for just about all brands of TIG welders – so you can get better results easier. All HTP air-cooled TIG torches feature one piece cable designs, constructed from an extremely flexible, silicon rubber hose with a braided nylon weave overlay. These cables even stay flexible in cold weather. This design puts much less strain on your wrist, and makes the torch feel lighter.



HTP water-cooled torches are made from the same silicon rubber hoses, and the braided nylon weave is color coded – blue is the water supply, red is the power cable return, and black is the gas hose. A leather TIG torch cover is standard equipment on all HTP water-cooled TIG torches. Flexible, with a Velcro seam, this outer cover protects the cables, and keeps them neat, and bundled together. **No more wire ties!**

## TIG Torch Selector Chart

Torch Type	Amperage	Cooling	Flex Option	Swivel Head Option	Replacement Parts Type	Head Length with Short Back Cap
9 Series	125 amps @ 100%	Air	Yes	Yes	13N	2 7/16"
17 Series	150 amps @ 100%	Air	Yes	Yes	10N	5/8"
18 Series	350 amps @ 100%	Water	Yes	No	10N	3 5/8"
20 Series	250 amps @ 100%	Water	Yes	Yes	13N	2 7/16"
24 Series	90 amps @ 100%	Air	Yes	No	53N	1 7/32"
24W Series	180 amps @ 100%	Water	No	No	53N	1 7/32"
26 Series	200 amps @ 100%	Air	Yes	No	10N	3 5/8"
Micro Torch	140 amps @ 100%	Water	No	No	Micro	7/8"

### The right TIG torch makes your welder more versatile.

Think of it like a set of wrenches – you have open end, box end, sockets and so on. They all turn nuts, but there are applications where one wrench is better for a particular application than another. Well, the same is true of TIG torches. That’s why HTP offers standard torches, flex head torches, swivel head torches, micro torches, 9, 17, 20, 24, and 26 series torches, just like wrenches, different torches work better in different applications. And HTP builds your torch as a “Direct Connect”, making it easy to change from one torch to another.

**To get the TIG torch, or a quote, that is right for your machine and application, call us at 800-USA-WELD (800-872-9353).**

# From the Inside... to the Outside... HTP Welders are built tough to last long!

**Control Transformer** – Provides low voltage to run the printed circuit board, wire drive motor, and main relay. While many companies take this voltage from the main welding transformer, shortening the life of the transformer and not providing as stable a voltage supply, our machines come standard with this separate transformer.

**Thermoswitch Protection** – In the unlikely event that you exceed the duty cycle of your HTP welder, don't worry, the thermoswitch will shut the machine down, protecting the internal components from overheating.

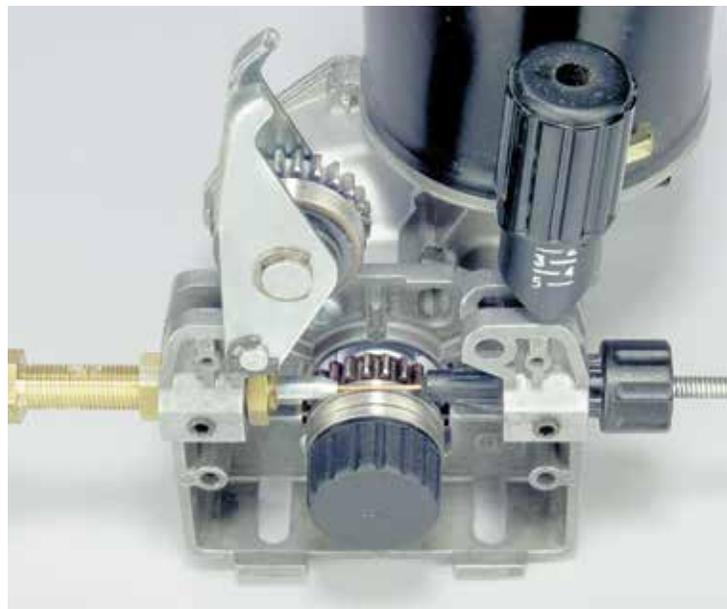
**Circuit Breaker Protection** – HTP uses circuit breakers on the primary input side of the welder, which helps to protect the internal components from damage.

**Copper Windings in the Main Transformer** – As we all know, copper conducts electricity better than aluminum and lasts a lot longer. Copper, most importantly however, provides a smooth stable welding arc. Just what you're looking for, right?



**Printed Circuit Board** – Our solid state printed circuit board can be removed and installed in seconds, without any tools for easy, do-it-yourself service.

**Main Relay Mechanism** – One of the main reasons you will fall in love with your MIG welder. Imagine touching the welding wire exactly where you want to start welding, pulling the trigger, and starting the weld right there in that exact spot. With a main relay, the wire is not "electrically hot" until you pull the trigger.



**HTP's Gear Drive Feed System** – Used on all of our welders, except the MIG 130. We don't use any plastic like many of our competitors. Why? Because a smooth consistent wire feed results in a smooth stable arc.

**Powder Coated Cabinets –**

We powder coat our cabinets to keep your welder looking good years down the road.

**Recessed Controls –**

All of our potentiometers are recessed, which helps prevent accidental damage.

**Full Undercarriage –**

HTP includes wheels and a gas bottle tray as standard equipment. If we didn't, how else would you move your welder around the shop to your project?

**Reverse Polarity** – Right on the front of the welder, and without any tools – just in case you want to use “gasless” flux-cored wires.

**10' Ground Cable** – Easily removed without any tools – an important feature if you happen to drop something on it, sever the cable, and need to replace it.

**Stitch and Spot Welding –**

Many other companies charge extra for these features, but at HTP they are standard equipment. Why? Because it makes welding on light gauge sheet metal easier and faster with less warpage and less chance of burn through.

**10 ft. Coaxial Welding Gun –**

The coaxial design of our welding gun provides a smooth, consistent wire feed – essential when it comes to a nice, smooth, stable arc. Also, you can remove and install the welding gun without any tools, which makes changing over to a teflon liner for aluminum welding easy.

**16 Gauge Steel Cabinet –**

We build our cabinets out of 16 gauge steel, not plastic like a lot of our competition, and, rather than using sheet metal screws, we MIG weld our cabinets – resulting in a rugged cabinet, designed for years of use.



**HTP** America Inc.

## All HTP MIG Welders Offer

- The capability to braze steel, weld aluminum, steel, stainless steel and cast iron – without expensive add-on options.
- The ability to handle 10 lb., 30 lb. or 40 lb. spools of wire.
- A free welding DVD that actually gives you a “through the helmet” look at proper welding techniques and lets you hear what to listen for – instructions that benefit both the beginner and pro. Also describes the operation, maintenance of, and troubleshooting tips for your welder.
- Our special toll-free service and assistance hotline: **1-800-USA-WELD**. Expert advice, parts, and accessories are only a phone call away!
- **Three-Year Warranty** – HTP MIG welders have a three-year warranty, so you know they will keep working for you down the road.
- A coaxial welding gun available in 10', 12' or 15' lengths.
- **90-Day Money-Back Guarantee:** If for any reason you are not satisfied, we'll take the machine back.
- All welders have **free shipping** anywhere in the Continental United States.

# HTP MIGs at a Glance



	MIG 2400	MIG 200	MIG 160DV		MIG 160	MIG 140	MIG 130
			110V	220V			
Maximum Output Amperage	240	200	140	160	160	140	130
Minimum Output Amperage	20	20	20	20	20	25	25
Maximum Recommended Thickness	3/8" to 1/2"	5/16" to 3/8"	3/16" to 1/4"	1/4" to 5/16"	1/4" to 5/16"	3/16" to 1/4"	1/8" to 3/16"
Heat Settings	24	24	6	8	8	6	4
Duty Cycle	35% @ 240 amps 100% @ 142 amps	20% @ 200 amps 100% @ 105 amps	35% @140 amps 100% @ 78 amps	20% @ 160 amps	20% @ 160 amps 100% @78 amps	20% @ 140 amps 100% @ 62 amps	10%@130 amps 100%@40 amps
Open Circuit Voltage	18 to 38.5	20 to 37	17 to 28	17 to 36	19 to 35	20 to 35	19 to 30
Circuit Breaker Protection	Yes	Yes	Yes		Yes	Yes	No
Cooling	Dual Fan Forced Air	Forced Air	Forced Air		Forced Air	Forced Air	Forced Air
Wire Size	.023" to .045"	.023" to .035"	.023" to .035"		.023" to .035"	.023" to .035"	.023" to 035"
Input Voltage	220V	220V	110V	220V	220V	110V	110V
Input Amperage	40	30	30	25	25	30	25
Wire Feed Rate (in./min.)	7 to 625	7 to 625	7 to 625		7 to 625	7 to 475	40 to 600
Size (w/wheels)							
Length	33"	33"	33"		33"	33"	19"
Width	13"	13"	13"		13"	13"	11"
Height	27"	27"	27"		27"	20 1/2"	17"
Shipping Weight	235 lbs.	195 lbs.	195 lbs.		165 lbs.	135 lbs.	49 lbs.

# MIG 2400

#602401-ST-24

List \$1999.00 | **Sale \$1499.00**



Tank not included.

4 Roller Gear Drive Feeder



**We developed the MIG 2400 for the fabricators out there who want a powerful, dependable welder that won't let them down.** We also designed it for the farmers who need a rugged unit for heavy fabrication, implement modification, and serious repair work. We made sure to include the exact features everyone needs, at a price anyone can afford!

HTP's MIG 2400 features a four roller, geared wire feed system that delivers a smooth, consistent wire feed! The 2400 also features spot and stitch welding modes, and the ability to digitally display either the welding amperage or the welding voltage, which lets you precisely adjust your welder for any welding job.

We didn't stop there. The MIG 2400 also features heavy-duty rotary contact switches that let you adjust the copper wound transformer to any of its 24 different heat settings. A spot weld timer ensures consistent tack welds. A powder coated, 16 gauge steel cabinet is solidly welded together and comes standard with wheels and an undercarriage, allowing you to easily roll the machine anywhere in your shop. A 10' HTP 24-Series welding gun is standard and can be upgraded to a 12' or 15'. To save time, you can reverse the polarity without any tools for quick changeover to flux-cored wires.

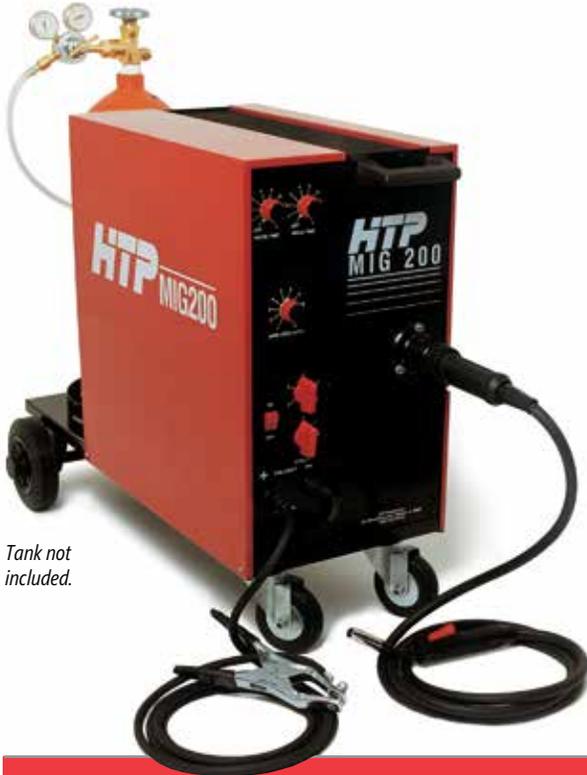
Since we are so sure you will like our 2400, we will let you take it for a 90-day test weld in your shop, and we back the machine with a 3-year warranty.

The MIG 2400 is shipped for free, by truck, anywhere in the Continental United States. For free shipping, the welder needs to ship to a commercial address, a business, or we can find a truck terminal in your area where you can pick-up your shipment. We are happy to ship these items to a residence; however there will be an additional charge for residential deliveries, and someone needs to be home to unload the items from the truck. Please call or email us at **800-872-9353** or **sales@htpweld.com** to discuss any shipping questions. Additional charges will apply for Hawaii, Alaska, Puerto Rico and international locations. We are happy to ship the MIG 2400 to any location, however there might be additional charges.

## MIG 200

#60200

List \$1799.00 | **Sale \$1299.00**



Tank not included.

**We haven't talked to anyone who had a project this hardworking MIG welder couldn't handle.** With 200 amps of welding power, anything up to 3/8" thick is fair game. Yet the MIG 200 is refined enough for your most delicate jobs – all the way down to the very finest, light gauge sheet metal.

Anybody who welds will appreciate the power and performance features of the MIG 200. It's the ideal choice for everything: commercial use, fabrication, farm or ranch work, marine repair, or extensive and repeated automotive projects like race cars, street rods, and trailers.

Power is just the beginning. With 24 heat settings, the MIG 200 can be adjusted for the most critical jobs. Whether you're welding 3/8" steel or thin, rusty sheet metal, the power is under your control. An impressive duty cycle, coupled with forced air cooling, keeps the unit operating for many years under the most demanding conditions. Our long list of standard features make this MIG the one by which to judge all others.

Free shipping anywhere in the Continental United States.

**The HTP MIG 200 . . . when only the best will do.**

## MIG 160

#60160

List \$1499.00 | **Sale \$1059.00**

**A powerful welder at a popular price. That's the MIG 160!** With the ability to weld up to 5/16", the MIG 160 fits the needs of most users, making it the right choice for the sophisticated home shop. General repair around the farm, street rod building, and race car fabrication are just some of the uses for this MIG's 160 amps of welding power.

Professional body shops and muffler shops rely on the MIG 160 as a durable tool for their tasks – from the lightest sheet metal to heavy plate. They know they can depend on the MIG 160 for day-in, day-out use, even among the most demanding conditions.

**No matter what you're welding, you'll be spoiled by the smooth welding arc and the convenient spot and stitch welding modes.** Eight heat settings cover the wide range of welding applications you'll find for this 220V workhorse.

Free shipping anywhere in the Continental United States.



HTP's Gear Drive Feed System is used on all of our welders.

Tank not included.

# MIG 160DV

#60160DV

List \$1799.00 | **Sale \$1299.00**



Tank not included.

**Our MIG 160DV (Dual Voltage) operates on either 110 or 220 volt power.** A simple idea, but think about it: crowded body and muffler shops can use it anywhere. Do-it-yourselfers can run it in the basement, garage, or workshop! Racers especially appreciate the ability to work on 220 volts in the shop, then go out to the track for on-site repairs on 110 volts. Farmers can use a generator for in the field repairs on 110 volts, then take this workhorse back to the shop and run it on 220 volt power.

160 amps will weld anywhere from light gauge sheet metal to 5/16" steel. Eight heat settings provide a range of flexibility to accomplish any welding task you've got. When you are looking for a MIG welder with the power for, and durability of commercial shop use, as well as the adaptability to perform on-site repairs, look into the MIG 160DV. **You'll be surprised how much MIG your money can buy.**

Free shipping anywhere in the Continental United States.

# MIG 140

#60140

List \$1399.00 | **Sale \$959.00**

**The MIG 140 is the most feature-packed 110V MIG on the market.** When you add in all the quality components it shares with our 220V machines, you've got an affordable performer. The MIG 140 has found a home in well-equipped family garages, as well as body and muffler shops. It's easy to see why.

The MIG 140 boasts all of the features and functions of our larger machines, such as spot and stitch welding. Because it shares many of the components of these machines, you're assured of a smooth welding arc. The MIG 140 can plug into any 110V outlet, and it weighs only 135 lbs., so you can easily shuffle it around to various projects.

**With 140 amps of welding power and six heat settings, the MIG 140 is recommended for use on materials up to 1/4" thick – the majority of automotive applications – all with the ease and performance you expect from HTP.**

Free shipping anywhere in the Continental United States.



Mig 140 Gear Drive Feeder

Tank not included.

# MIG 130

#60130

List \$749.00 | **Sale \$449.00**

**New**



*Cart, flowmeter and tank are not included*

The HTP MIG 130 is an affordable MIG welding package for the do-it-yourselfer. The welder operates on 110 volts, and gives you the ability to weld anything from thin sheet metal up 3/16" steel. The machine features 4 heat settings, an infinite wire feed adjustment, 7' welding gun, 5' ground cable, and 6 1/2' input power cord.

The versatile welder uses both 8" and 4" diameter spools of wire. It comes ready to weld with extra tips, and a roll of .035" flux cored gasless wire. Just add a regulator, a tank of 75% argon, 25% CO2 shielding gas, and some hard wire, and you can MIG weld with gas.

HTP backs this machine with a 90-day money-back guarantee and a 3-year warranty. That's right, try this welder in your garage for 90 days, and if you don't like the way it welds, we will take it back. We also include free shipping anywhere in the Continental United States.

So if you are looking for an affordable welder at a great price, from a company that has been in the welding business since 1981 and offers exceptional customer service, look no further, as the HTP MIG 130 is the machine for you.



To weld with gas, you will need:  
 #12020-F **Flowmeter** \$35.00  
 #22910012K **Gas Connector Adapter** \$9.95



To see more MIG Welding Accessories,  
visit our online welding shop anytime at  
[www.USAWeld.com](http://www.USAWeld.com)

### MIG Welding Machine Covers

You've got a healthy investment in your MIG welder, so keep it in top shape with an HTP Welding Machine Cover. Made from polyester-backed, marine vinyl, these water resistant, non-flammable covers are specially crafted to protect your machine from moisture, dust, and other harmful workshop elements. For convenience, each cover includes a series of cutouts that allow the MIG gun and ground to stay connected while the cover is in place (MIG 140 gun and ground cable need to be disconnected and removed when using cover). Safeguard your investment in your MIG welder . . . it's easy with an HTP machine cover.

Cover	For Part #	Retail	Sale
MIG 2400	602400 Cover RV	\$66.00	<b>\$55.00</b>
MIG 200	60200 Cover RV	\$66.00	<b>\$55.00</b>
MIG 160	60160 Cover RV	\$66.00	<b>\$55.00</b>
MIG 140	60140 Cover RV	\$66.00	<b>\$55.00</b>
MIG 130	60130 Cover RV	\$66.00	<b>\$55.00</b>
MIG 120	60120 Cover RV	\$66.00	<b>\$55.00</b>



MIG 140

**New**

### MIG Gun & Cable Holder #90191 \$59.00

The HTP MIG Gun and Cable holder fits over the top of your welder and can hold your MIG gun, ground cable, and power cord securely when you're not using your HTP MIG welder.

The holder is 13" across and the gun/cable holders drop down 4" on both sides with a generous 1 5/8" space allotted for your cords. Three rubber disks on the underside help protect your MIG welder.



### MIG/Plasma Cart #WLDTROLLEY#3

Retail \$129.95 **Sale \$99.95**

Our new HTP all steel, universal welding cart makes it easy for anyone using a MIG welder or plasma cutter to move around the shop quickly and easily. This cart is roomy and sturdy, with plenty of space to store your welding helmet and spare rolls of wire. Attached to the top shelf are 2 hooks which allow you to hang your welding gun and ground cable. A great thing about this cart is that it has 2 bottle chains, so you can securely support the larger 122 cu ft cylinder, or the smaller 60 cu ft cylinder on the tray on the back of the cart. The cart is 15" wide, making it more stable, and the top shelf has a lip which is bent down at a 90 degree angle. This lip serves not only to strengthen the shelf, but also as a handle, making it easy to move the welder around your shop.

The top shelf measures 21 1/2" long by 15" wide. It is at a slight upward angle to make accessing the controls of your welder easier. The center shelf is 19 1/2" long by 15" wide. This is a great place to store your welding consumables, nozzle spray, and an extra roll of wire. The bottom shelf also measures 21 1/2" long by 15" wide, and is a great place to put your welding helmet and gloves. The tank tray on the back measures 10 1/2" long by 15" wide, so there is plenty of room for your tank. The distance between the bottom shelf and the middle shelf is 17", and distance between the middle shelf and top shelf is 9 1/2" at the front tapering down to 7" at the back. This makes the cart 32" high at its highest point.

Free shipping anywhere in the Continental United States.

#### Specifications

Length	32"	Middle Tray	19 1/2" x 15"
Width	15"	Bottom Tray	21 1/2" x 15"
Height	32"	Tank Tray	10 1/2" x 15"
Wheels	7 1/2" x 1 1/4"	Distance Between Middle and Bottom Tray	17"
Top Tray	21 1/2" x 15"	Weight	36 lbs.



Free Shipping - All Orders Over \$35

# HTP Spool Guns

*When extra length is required for those special jobs.*

The HTP RSG250 Spool Gun is the perfect solution when you need some extra distance between you and the welding machine. This state-of-the-art gun, available in 25' and 50' lengths, is ideally suited for applications ranging from farm machinery and semi-trailer repair to construction site jobs or any other application where the power source can't be brought to the work.

This advanced HTP gun is also an excellent solution for welding aluminum. The distance from the drive rollers to the contact tip is only 8", so feeding problems and bird's nesting are virtually eliminated.

The RSG250's unique contact tip is notched, so burn backs can be easily removed. What's more, the tip is also offset for maximum electrical current transfer, resulting in a smoother, more stable arc.

A remote wire feed adjustment in the RSG250's handle is a real time-saver. It eliminates the time-consuming walk all the way back to the welder to fine-tune your wire feed rate.

The RSG250 includes a control box and can be installed on virtually any brand of MIG welder.

Have an engine driven arc welder with a CV setting and want to MIG weld aluminum in the field? Then the HTP RSG250-C is your answer. The control box has a contactor and can be installed on any engine drive with a CV setting.

The RSG250-HTP fits our MIG 140, 160, 160DV, 200 and 240. This unit is easily wired into HTP welders and does not require a control box. The RSG250-2400 offers the same advantages, but is designed for the MIG 2400.

50' guns available by special order.

25' Spool Guns		List	Sale
RSG250	Fits All Welders	\$1224.95	<b>\$735.00</b>
RSG250-C	Fits CV Engine Drive Welders	\$1264.00	<b>\$889.00</b>
RSG250-HTP	Fits HTP 140, 160, 160DV, 200, 240, 2400-ST-24 (Newer model, purchased Dec 2012 and later)	\$995.00	<b>\$635.00</b>
RSG250-2400	Fits HTP 2400	\$995.00	<b>\$635.00</b>
RSG250-MIL14	Fits Miller Welders	\$1329.95	<b>\$835.00</b>



Specifications	RSG250	RSG200
Amperage	60% @ 250 amps	60% @ 150 amps
Weight (gun only)	2 ¾ lbs.	2 lbs.
Weight (gun & cable)	14 lbs.	12.6 lbs.
Length	25 ft.	20 ft.
Wire Feed Rate	50-650 inches/min	20-410 inches/min
Wire Size	.023", .030", .035", .045" *	
Wire Type	Steel, Stainless, Flux Cored, & Aluminum	
Spool Size	Standard 4" Spools	

*\*RSG 200 does not use .045" wire*



Wire Feed adjustment in handle

Notched contact tip

<b>RSG200</b>	List \$699.00	<b>Sale \$415.00</b>
<b>RSG200-MIL</b> Fits Miller Welders	List \$699.00	<b>Sale \$415.00</b>

**The RSG 200 is an economical alternative to the HTP RSG250.**

The RSG200 works with all HTP welders with quick connect welding guns. The wire feed adjustment is on the front of the welder. The RSG 200 handles .023", .030" and .035" wires, and with a 60% @ 150 amp duty cycle, the RSG 200 will make your aluminum projects easier and eliminate wire feed problems.





### HTP Flexible Swan Necks

**How many times have you been welding and, to get into a tight spot, you needed a different angle on the welding gun, or a straight swan neck instead of a bent one?** I've found myself in that same situation several times and knew there had to be a better way. So I sat down with the design team, described the problem, and they came up with the solution – the HTP Flexible Swan Neck. The Flexible Swan Neck will allow you to bend the end of your welding gun into virtually any position, allowing you access to very tight, confined areas. You know the job; you can barely get your hand and the welding gun in there. Now, with the Flexible Swan Neck you can position the Swan Neck so it points right where you want it—a necessity for getting up over the top of muffler pipes, and racers love it for working on roll cages. Available as a conversion for HTP style MIG welding guns, or as a complete gun assembly to fit most welders on the market.

*Flexible Swan Neck guns use HTP replacement parts and consumables on page 39.*

### HTP Style Guns

Part #		Price
15500	Flexible Swan Neck Only	\$70.95
15501-15	Conversion kit for HTP Style Guns	\$73.95
15510	10' gun fits HTP MIG welders	\$117.95
15512	12' gun fits HTP MIG welders	\$127.95
15515	15' gun fits HTP MIG welders	\$137.95

Complete guns are needed to convert your Century, Hobart, Lincoln or Miller gun to a flexible swan neck. If the current gun you are looking for is not listed below, please call us for availability and a quote on complete guns to fit your specific needs.

**Century/Solar** - 12' gun fits Solar, Century & some Snap-on welders  
**Part # S4320-BF-15H** **\$144.95**

**Hobart** - 10' gun fits Hobart models with .480" plug  
**Part # M195 957-BFSBE** **\$122.95**

**Miller** - The following guns replace Miller GA-17C, GA-20C, GA-21C, 10A, H-10, M15, M25, and M25M.

Part #		Price
M2010-FSBE	10' gun	\$117.95
M2012-FSBE	12' gun	\$127.95
M2015-FSBE	15' gun	\$137.95

**Lincoln** - The following guns replace Lincoln SP-85, SP-100, SP-100T, SP-125 Plus, SP-130T, SP-155, SP-170T, SP-175 Plus, MIG Pak 10, MIG Pak 15, Weld Pak, and Weld Pak 15

Part #		Price
K530-6FHTP	10' Gun with 4 Pin Amphenol Plug	\$99.95
K530-6-12FHTP	12' Gun with 4 Pin Amphenol Plug	\$115.95
K530-6-15FHTP	15' Gun with 4 Pin Amphenol Plug	\$125.95
K530-5FHTP	10' Gun with 2 Spade Terminals	\$99.95
K530-5-12FHTP	12' Gun with 2 Spade Terminals	\$115.95
K530-5-15FHTP	15' Gun with 2 Spade Terminals	\$125.95

### MIG Gun Holder #90190 MIG \$17.95

**Keep your work station organized!** This handy magnetic based MIG gun holder is an easy way to keep your MIG gun close at hand, but not in the way. This uniquely designed MIG gun holder stays firmly in place on your welding table, keeping your welding gun close and your fabrication area in order.



### Wire Cleaner #12026

List \$3.95 | **Sale \$1.95**

**This handy gadget clamps onto your wire and cleans the wire before it enters the gun.** Increases liner life, prevents bird's nesting, keeps welds clean.



### HTP Metal Marker - MM1295W

List Price \$5.95 | **Sale Price \$4.95**

**Like practically every other fabricator, you're probably looking for a quick, easy, and effective way to write on metal.** Well, you've found it: the HTP Metal Marker. I personally have one of these handy paint markers in my tool box and have literally found hundreds of uses for it. The fine tip design, in addition to making a nice, legible fine line, prevents clogging. You'll quickly find it is indispensable for plasma cutting as well as for labeling parts, tires or virtually anything else you need to put a permanent marking on. This is a tool I've used time after time after time and found it so handy, I knew we had to start selling them.



# MIG Welder Accessories

- 40011- Aluminum Welding Kit** List \$85.70 **Sale \$67.95**
- 40011-24 for MIG 2400** List \$85.70 **Sale \$67.95**
- 40011-T for Tweco® Style Guns** List \$85.70 **Sale \$67.95**

**One of the benefits of MIG welding is the flexibility to weld a wide range of metals.** Steel, stainless steel, cast iron and brazing are relatively simple, requiring no more attention than changing the shielding gas. Aluminum is an entirely different animal. Due to its softness and heat conductivity characteristics, extra care and special accessories must be used to ensure good results.

Aluminum is much softer than steel. It will “bird’s nest” using a standard steel liner. Therefore, a low-friction teflon liner is necessary to keep the soft aluminum wire from bird’s nesting. Aluminum requires a higher flow rate of 100% Argon gas (roughly 30-50 CFM). The cylindrical nozzle, with its larger opening, ensures adequate dispersion of this gas.

Unlike steel, aluminum will not tolerate paint, oxidation, grease or any other contaminants when being welded. The importance of proper surface preparation cannot be overstressed. First, all surfaces to be welded should be vigorously brushed with our Stainless Wire Brush (a plain steel brush will simply further contaminate the aluminum).



This may seem like a lot of work, but attention to these details can help ensure that you save time, by getting it right the first time. More importantly, it can save you from ruining that irreplaceable part! **Our Aluminum Welding Kit gives you everything you need to achieve good results.**

**Welding Kit Includes:**

- 40235 Aluminum Wire – .035", 2 lb., 8" Spool
- 15035B Package of 5 .035" Contact Tips
- 15104 Cylindrical Nozzle
- 15044 Teflon Liner & Collet
- 40110 Small Stainless Wire Brush
- 40112 Large Stainless Wire Brush
- Aluminum Welding Instructions and Tips

**HTP MIG DVD #99000-MIGDVD**

*Welcome to the World of MIG Welding* List \$39.95 | **Sale \$24.45**

**Thinking about buying a MIG welder, but aren't really sure if it is right for you?**

Do you already have a MIG, but feel like you could use a few pointers? Still stick welding and wonder why all your friends are raving about their MIG machines? If that's the case, then our training DVD will be money well spent. "Welcome to the World of MIG Welding" our professionally prepared 52 minute DVD gives you an in-depth, through-the-helmet view of MIG welding. *See page 13 for a detailed description.*



**HTP Shrinking Attachment**

**#15003** List \$19.95 | **Sale \$17.95**



**A must for bodywork, this incredible accessory screws into your swan neck.** Use this tool to relieve stresses in dented automotive panels after shaping and dolly hammer work. This clean, safe electric heat alternated with cooling of the panel will bring the molecules of steel back into shape as before the damage occurred. Pays for itself in just one small job. Other brand welders can be fitted, too. Call our free hotline, 1-800-USA-WELD now. We'll let you know if your MIG can accept this great tool.

**Spool Adapter – SA-1-4**

List Price \$35.53 | **Sale \$25.93**

**This HTP spool adapter is a breakthrough in convenience and economy.** In fact, it could pay for itself in wire savings the first time you use it! The adapter's unique design allows you to use 4" diameter spools on virtually any MIG welder. That means you can now use 4" diameter spools where you could only use 8" and 12" spools before. The HTP spool adapter fits standard 2" diameter wire drive brake assemblies found on all popular welders.



**Nozzle Reamer #12025** List \$19.95 | **Sale \$14.95**

**The only tool specially designed to clean build-up and slag from inside the welding nozzle.** Scraping blades expand inside the nozzle and remove build-up. Frequent use can help extend the life of your nozzles.



# HTP Welding Wire

## HTP offers a variety of wire for every welding need.

All HTP wires are of the highest quality available featuring excellent cast and helix properties. The cast and helix are very important qualities that reduce liner wear and keep feeding problems to a minimum. Available in a wide variety of diameters and spool sizes to fit your every welding need.

HTP now offers 2-packs of our 10 lb. spools of wire, and 8-packs of our 2 lb. spools of wire. Mix and match for the combination that is right for you. Free shipping on all orders over \$35.

### Steel Wire - Single Spool Packages

All HTP Steel Welding Wire meets AWS Specification E70S-6. This is the only wire recommended by all auto manufacturers for repairing today's HSLA steels. A high quality steel wire with a minimum tensile strength of 70,000 psi. Higher silica and manganese content means this wire will flow out better and weld through rust and paint easier. Use .023" dia. for sheet metal to 3/16", .030" dia. for 16 ga to 3/8" and .035" dia. for 14 ga to 1/2".

Part #	Size	Material	Spool Dia.	Weight	Price
20223	.023"	ER70S-6 Steel Wire	4"	2 lbs.	<b>\$13.95</b>
20230	.030"	ER70S-6 Steel Wire	4"	2 lbs.	<b>\$13.95</b>
20235	.035"	ER70S-6 Steel Wire	4"	2 lbs.	<b>\$13.95</b>
ER7056-023	.023"	ER70S-6 Steel Wire	8"	10 lbs.	<b>\$26.95</b>
ER7056-030	.030"	ER70S-6 Steel Wire	8"	10 lbs.	<b>\$23.70</b>
ER7056-035	.035"	ER70S-6 Steel Wire	8"	10 lbs.	<b>\$23.45</b>
23330	.030"	ER70S-6 Steel Wire	12"	30 lbs.	<b>\$45.90</b>
23335	.035"	ER70S-6 Steel Wire	12"	30 lbs.	<b>\$45.00</b>

### Two 10 lb, 8" Spools Shipped Free, for One Low Price

Part #	Size	Material	Spool Dia.	Weight	Price
ER7056-023-2Pak	.023"	ER70S-6 Steel	8"	10 lb.	<b>\$40.90</b>
ER7056-030-2Pak	.030"	ER70S-6 Steel	8"	10 lb.	<b>\$35.90</b>
ER7056-035-2Pak	.035"	ER70S-6 Steel	8"	10 lb.	<b>\$35.20</b>
Mixed 2-Pack	.023" & .030"	ER70S-6 Steel	8"	10 lb.	<b>\$38.40</b>
Mixed 2-Pack	.023" & .035"	ER70S-6 Steel	8"	10 lb.	<b>\$38.05</b>
Mixed 2-Pack	.030" & .035"	ER70S-6 Steel	8"	10 lb.	<b>\$35.55</b>

### Eight 2 lb, 4" Spools Shipped Free, for One Low Price

Part #	Size	Material	Spool Dia.	Weight	Price
20223-8Pak	.023"	ER70S-6 Steel Wire	4"	2 lb.	<b>\$49.90</b>
20230-8Pak	.030"	ER70S-6 Steel Wire	4"	2 lb.	<b>\$49.90</b>
20235-8Pak	.035"	ER70S-6 Steel Wire	4"	2 lb.	<b>\$49.90</b>

Mixed 8 Packs available for \$49.90, please call us to order

For Specialty and Hardfacing wires, please call us at 800-USA-WELD or refer to our website, [www.USAWeld.com](http://www.USAWeld.com).



## Stainless Steel Wire

All HTP Stainless Steel Wire is the 308 Alloy. This can be used in both high and low temperature applications and offers excellent resistance to chemical corrosion.

Part #	Size	Material	Spool Dia.	Weight	Price
30223	.023"	308 Stainless Wire	4"	2 lbs.	<b>\$23.95</b>
30230	.030"	308 Stainless Wire	4"	2 lbs.	<b>\$22.95</b>
30235	.035"	308 Stainless Wire	4"	2 lbs.	<b>\$22.45</b>
31023	.023"	308 Stainless Wire	8"	10 lbs.	<b>\$77.00</b>
31030	.030"	308 Stainless Wire	8"	10 lbs.	<b>\$72.00</b>
31035	.035"	308 Stainless Wire	8"	10 lbs.	<b>\$72.00</b>
38223	.023"	308 Stainless Wire	8"	2 lbs.	<b>\$39.48</b>
38230	.030"	308 Stainless Wire	8"	2 lbs.	<b>\$30.90</b>

## Aluminum Welding Wire

Our 5356 alloy Aluminum Wire has a higher tensile strength and offers higher feedability. The 4043 alloy Aluminum is softer with improved cosmetic appearance and smoother surfaces.

Part #	Size	Material	Spool Dia.	Weight	Price
40130-5356	.030"	5356 Aluminum Wire	4"	1 lb.	<b>\$13.50</b>
40135-5356	.035"	5356 Aluminum Wire	4"	1 lb.	<b>\$13.50</b>
40145-5356	.045"	5356 Aluminum Wire	4"	1 lb.	<b>\$14.95</b>
40235-5356	.035"	5356 Aluminum Wire	8"	2 lbs.	<b>\$35.20</b>
41535-5356	.035"	5356 Aluminum Wire	12"	15 lbs.	<b>\$95.95</b>
40130-4043	.030"	4043 Aluminum Wire	4"	1 lb.	<b>\$13.50</b>
40135-4043	.035"	4043 Aluminum Wire	4"	1 lb.	<b>\$13.50</b>
40145-4043	.045"	4043 Aluminum Wire	4"	1 lb.	<b>\$14.95</b>

### Eight 1 lb, 4" Spools Shipped Free, for One Low Price

Part #	Size	Material	Spool Dia.	Weight	Price
40130-8Pak	.030"	5356 Aluminum	4"	1 lb.	<b>\$50.50</b>
40135-8Pak	.035"	5356 Aluminum	4"	1 lb.	<b>\$50.50</b>
40130-4043-8Pak	.030"	4043 Aluminum	4"	1 lb.	<b>\$50.50</b>
40135-4043-8Pak	.035"	4043 Aluminum	4"	1 lb.	<b>\$50.50</b>
40145-4043-8Pak	.045"	4043 Aluminum	4"	1 lb.	<b>\$56.95</b>

### Additional Options

40235-2Pack	.035"	5356 Aluminum	8"	2 lbs.	<b>\$59.45</b>
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## Flux Cored Wire

HTP offers Flux Cored Wire for those who have the "gasless" wire welders or for anyone working in an area where it is not practical to use shielding gas with hard wire. Meets AWS E71T-GS specification. Great for use outdoors where a strong wind blows the shield gas away.

Part #	Size	Material	Spool Dia.	Weight	Price
60230	.030"	Flux Cored Wire	4"	2 lbs.	<b>\$19.95</b>
60235	.035"	Flux Cored Wire	4"	2 lbs.	<b>\$19.95</b>
61030	.030"	Flux Cored Wire	8"	10 lbs.	<b>\$48.95</b>
61035	.035"	Flux Cored Wire	8"	10 lbs.	<b>\$46.95</b>
68230	.030"	Flux Cored Wire	8"	2 lbs.	<b>\$26.95</b>
68235	.035"	Flux Cored Wire	8"	2 lbs.	<b>\$22.95</b>

### Two 2 lb, 8" Spools Shipped Free, for One Low Price

Part #	Size	Material	Spool Dia.	Weight	Price
68230-2 Pack	.030"	Flux Cored Wire	8"	2 lbs.	<b>\$42.95</b>
68235-2 Pack	.035"	Flux Cored Wire	8"	2 lbs.	<b>\$35.20</b>
Mixed 2 Pack	1 roll each of .030" & .035"		8"	2 lbs.	<b>\$39.90</b>

### Two 10 lb, 8" Spools Shipped Free, for One Low Price

Part #	Size	Material	Spool Dia.	Weight	Price
61030-2 Pack	.030"	Flux Cored Wire	8"	10 lbs.	<b>\$79.90</b>
61035-2 Pack	.035"	Flux Cored Wire	8"	10 lbs.	<b>\$74.90</b>
Mixed 2 Pack	1 roll each of .030" & .035"		8"	10 lbs.	<b>\$77.40</b>

### Eight 2 lb, 4" Spools Shipped Free, for One Low Price

Part #	Size	Material	Spool Dia.	Weight	Price
60230 - 8 Pack	.030"	Flux Cored Wire	4"	2 lbs.	<b>\$97.69</b>
60235 - 8 Pack	.035"	Flux Cored Wire	4"	2 lbs.	<b>\$97.69</b>
Mixed - 8 Pack	4 rolls each .030" & .035"		4"	2 lbs.	<b>\$97.69</b>

# HTP Plasma Cutters



*HTP's MicroCut 301  
blasting through 1/4" steel.*

**HTP initially made a name for itself with welders.** So when we introduced our plasma cutters years ago, we had a lot riding on them – including our reputation. Like our welders, our cutters had to be rugged and tough, but they also had to be easy to use. We're happy to report that we succeeded. HTP cutters, following the lead of our welders, consistently deliver top performance at an extremely affordable price.

**What is plasma?** Plasma is the 4th state of matter (solids, liquids, gasses, and plasma)! Basically, it's a gas which has been heated to such a high temperature, it's no longer a gas – it's plasma. This plasma gas is passed through an electric current and ionized, making it electrically conductive. Being conductive, it's attracted to the workpiece where the metal to be cut is melted and blown away by the superheated plasma gas. The result is a narrow, extremely high-energy cutting arc which, with laser-like precision, slices through metal as quickly and easily as a hot knife through butter. Hands down, plasma cutting is the fastest, easiest way to cut through any material that conducts electricity. There's no contest . . . and no heat distortion!

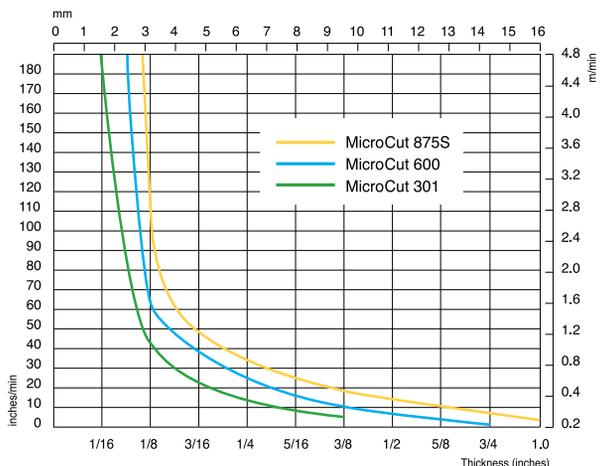
**Plasma cutting technology has been around for a while.** Originally, plasma cutters were found only in heavy industrial and specialized manufacturing applications. Now, HTP offers state-of-the-art equipment that is affordable and can be used virtually anywhere.

Take our MicroCut 301, for example. This handy, durable cutter operates on 220 volts and only weighs 14 lbs. It's an affordable, yet powerful (cuts 5/16" steel @ 14"/min), 220 volt machine in a compact, go-anywhere package.

Or how about our MicroCut 600? This machine brings inverter technology home in 40 amp unit that cuts up to 1/2" at 5"/min quickly and easily.

Now, plasma cutters can be used by fabricators, muffler shops, street rodders, farmers, race car builders, and even sophisticated home handymen. Anyone who wants to cut, shape, modify or just get metal out of the way will find that an HTP plasma cutter is the ideal tool for the job. You can always count on HTP for the right machine for your application . . . at the right price.

**Plasma Cutting Speed Chart**



# HTP Plasma Cutters at a Glance

	MicroCut 301	MicroCut 600	MicroCut 875S
Primary Voltage (volts)	220	220	230
Primary Amperage (amps)	16	30	40
Cutting Current (amps)	5-25 amps Infinitely Variable	10 to 40 amps Infinitely Variable	30 to 55 amps Infinitely Variable
Open Circuit Voltage (volts DC)	430	350	320
Cutting Voltage (volts DC)	85	110	102 @ 55 amps 96 @ 45 amps
Quality Cutting Capacity	5/16" @ 14"/min	3/8" @ 10"/min	3/4" @ 10"/min
Severance Cutting Capacity	3/8" @ 6"/min	1/2" @ 5"/min	1 1/8" @ 5"/min
Duty Cycle	20% @ 25 amps	20% @ 40 amps	40% @ 55 amps 100% @ 45 amps
Weight	14 lbs	22 lbs	40 lbs
Dimensions			
Length	13"	15"	22"
Width	4 1/2"	6"	8"
Height	7"	12 1/2"	11 1/2"
Cutting Torch Length	13 ft.	13 ft.	20 ft.
Ground Length	9 ft.	12 ft.	10 ft.
Input Power Cord Length	6 ft.	7 ft.	12 ft.
Plasma/Cooling Gas Pressure	80 psi	60 - 75 psi	70 psi
Plasma/Cooling Gas Volume	3.5 cfm	3.5 cfm	3.2 cfm
Part Number	MC25301	25600	25875S
Price	\$829	\$1089	\$1870
Warranty	1 year	1 year	2 year
Consumable Kit #	38011	MC25611	25875SKIT
Kit Price	\$60.95	\$60.95	\$90.95

## MicroCut 301 #MC25301

List \$1199.00 | **Sale \$829.00**

**Designed with the professional body shop, or the serious hobbyist, in mind, the MicroCut 301 will cut 5/16" steel at 12"/min, and sever 3/8" steel!** It also zips through stainless steel and aluminum or any other material that conducts electricity. Painted surfaces? No problem . . . plus no distortion!

Talk about easy – you just plug this rugged powerhouse into a 220-volt outlet, add compressed air, pull the trigger, and let 'er rip. Our satisfied users report that it's as easy to use as a jigsaw, only a whole lot faster.

The MicroCut 301 isn't just the "go-to" player for most any cutting job; it's also the "take with" champ. The machine tips the scales at a mere 14 lbs. and features an innovative design that gives new meaning to the word "compact", the MicroCut 301 isn't called the affordable portable for nothing.

There's more. Advanced inverter technology lets you infinitely adjust the cutting amperage from 5 to 25 amps. It also makes for a compact, lightweight cutter that's very energy efficient, too! It only requires a 16 amp 220 volt circuit. The MicroCut 301 has a full one-year warranty, our 90-day money-back guarantee, and free shipping anywhere in the Continental United States (Additional charges will apply for Hawaii, Alaska, Puerto Rico and international locations).

**Once you compare features, specs and price, you'll agree that the MicroCut 301 is today's ultimate plasma value.**



Free Shipping - All Orders Over \$35

## MicroCut 600

#MC25600

List \$1449.00 | **Sale \$1089.00**

**Don't let the small size fool you – the MicroCut 600 is a real workhorse.** It's 40 amps of power allows you to cut ¼" steel at over 20 in/min., ⅜" at over 10 in/min. and ½" at 5 in/min! But it's small size (15" L x 6" W x 12 ½" H) and light weight (22 lbs) means you can take this powerhouse anywhere, and inverter technology means it's energy efficient – the MicroCut 600 only needs 30 amps of 220 volt power!

Infinite amperage adjustment lets you keep the raw cutting power of the MicroCut 600 under control. Dial the current down to 10 amps to perform precise cuts on thin gauge sheet metal. Crank the power up to 40 amps for serious frame fabrication and bracket building. Whatever project you need to tackle, the MicroCut 600 is up to the task! And whether it's steel, stainless steel, aluminum, or any other metal that conducts electricity, the MicroCut 600 will cut through it like a hot knife through butter.

The 13 ft plasma torch features our new "shoulder contact" electrode and cutting tip for longer consumable life. This tip design means the MicroCut 600 starts the arc instantly without high frequency, so you can start your arc right through rusty and



painted metal, while reducing the possibility of damaging an on board computer or any other sensitive electrical equipment you might be cutting near.

And like all HTP equipment, we back the MicroCut 600 with our 90-day, money-back guarantee – try the machine in your shop for 90 days, if you don't like the way it cuts, we will take it back, no questions asked. And we further back the machine with a one-year warranty and free shipping anywhere in the Continental United States.

**When you compare the MicroCut 600 to the others, you will see there is no comparison.**

## MicroCut 875S

#25875S

List \$3150.00 | **Sale \$1870.00**

**If you are doing serious fabricating in steel, aluminum, or stainless steel, then you need power and lots of it.** Whether it's an important, large project or a day-in, day-out production process, the MicroCut 875S with its 55 amps of raw cutting power, is up to the task!

Our customers have found plenty of uses for the MicroCut 875S. Some common ones are implement repairs and modifications, custom aluminum truck beds, and heavy marine fabrication. These users tell us they prefer the MicroCut 875S because it has the power – and the duty cycle (100% @ 45 amps) – for heavy cutting all day long. If you need to turn a dumpster into metal corn flakes, then this is the tool for you.

The technology behind the MicroCut 875S is based on the MicroCut 625's inverter technology, proven in the field since 1998. But we put the machine on a diet – increasing the power by 37% but keeping the weight the same, making it easy to take this cutter right to the job. And a 20 ft cutting torch will allow you to get up on top of equipment if that's where the cutting needs to take place.

A machine like the MicroCut 875S lets you redefine production and fabrication techniques. The possibilities are truly staggering!



Just feed it 220 volts of power and clean compressed air, and it will easily blast through ¾" solid steel plate at 7 ½"/min and severance cut 1 ⅛" steel. The arc is ignited without high frequency, extending consumable life while at the same time eliminating any interference with computers, TVs or telephones. And it features automatic arc re-ignition for cutting expanded metal.

For all its power, the MicroCut 875S is easy to master; its infinitely adjustable power is easily tamed for even delicate tasks on mild, stainless or high carbon steel, aluminum, brass, copper, galvanized, and rusty or painted plate. The MicroCut 875S has a full two-year warranty, our 90-day money-back guarantee, and free shipping anywhere in the Continental United States (Additional charges will apply for Hawaii, Alaska, Puerto Rico and international locations.)

Do you need a MicroCut 875S? If your work involves metal and you can visualize the need for this tool, the answer is probably "yes". **The MicroCut 875S . . . it could change the way you think about metal.**

# Plasma Accessories

**HTP Max Dry #25310-2** List \$499.00 | **Sale \$360.00**

**Our Max Dry is the ultimate in an Air Dryer/Regulator.**

Perfect workstation dryer for the serious home shop or body shop. Forget those dryers that claim to get 99% of the water out of the air; the problem is, as the air cools off down line in your air hose, the humidity in the air condenses and turns into moisture, creating headaches for you. The Max Dry eliminates the problem. Here's how...

The Max Dry is a five stage filtration process all in one - the first stage is a self draining 5 micron filter - this filters out all liquid water, liquid oil, dust dirt, rust and pipe scale down to 40 microns.

The second stage is a Coalescing Filter which functions differently from standard particulate filters. Air flows from inside to outside through a coalescing media. Small aerosols come in contact with the fibers in the media. These aerosols unite with other aerosols caught in the fibers. The aerosols continue to unite and emerge as a droplet on the outside of the media. The weight of the droplet allows gravity to drain it away. This system filters all oil mist, water mist, and submicronic particles down to .03 microns!

The third stage is what separates this dryer from all the rest! Air enters this stage and passes through a 70 micron filter. This filter evenly disperses the air through the 2 quart desiccant bed. The desiccant removes the humidity from the air to a temperature of -3° F. This eliminates the possibility of any moisture condensing in your air lines and being pumped through your plasma cutter, sander, air ratchet, grinder, or spray gun.

Best of all, the desiccant is reusable. When the desiccant is dry and ready to absorb moisture, it is a dark blue in color. After the

desiccant has absorbed all the water vapor it can hold, it turns an orangish clear color. Simply pour the desiccant into a baking pan, pop it in the oven at 325°, and bake for approximately one hour. It will turn back to blue and be ready to use again.

Stage 4 and 5 are a final filtration and precise regulator. The regulator will accurately control the secondary pressure between 2 and 125 psi. The self-bleed venting feature permits use on dead-end applications.

**The Max Dry will eliminate your moisture problem - aren't your air tools and paint projects worth it?**

**HTP Super Dry #25300** List \$10.99 | **Sale \$8.99**

**We've looked a long time for a high quality air dryer that would solve moisture problems for plasma cutters. One that would be affordable – and we finally found one!** I've used

this dryer on all kinds of applications – painting, sanding, air tools, and of course plasma cutting, and found that it works great! The secret is the desiccant, which actually absorbs the humidity from the air, guaranteeing that no moisture gets past it. Additionally, a sintered bronze element removes all dust and dirt particles down to 5 microns! Best of all, the filter changes from a dark blue color (new), to clear when the desiccant absorbs all the moisture it can. It's easy to tell when to replace the filter.

**When you look at the money you have invested in air tools, plasma consumables, or even a gallon of automotive paint, the HTP Super Dry acts as an inexpensive insurance policy.**

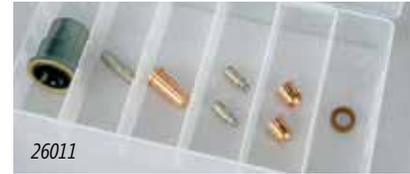


# HTP Plasma Parts & Accessories

## Plasma Parts Kit

The cutting torch of plasma cutters is susceptible to the same heat damage and slag build-up as a MIG welding torch. Eventually, these parts will need replacing. Parts are available individually, or you can order the convenient parts kit in a handy carrying case with tip wrench.

<b>20011</b>	<b>Parts Kit f/MicroCut 200 &amp; 201</b>	List \$74.95	<b>Sale \$60.95</b>
<b>23011RF</b>	<b>Parts Kit f/MicroCut 250RF &amp; 125RF</b>	List \$79.95	<b>Sale \$65.95</b>
<b>38011</b>	<b>Parts Kit f/MicroCut 300, 301, 380, 400</b>	List \$74.95	<b>Sale \$60.95</b>
<b>25600Kit</b>	<b>Parts Kit f/MicroCut 600</b>	List \$74.95	<b>Sale \$60.95</b>
<b>26011</b>	<b>Parts Kit f/MicroCut 625</b>	List \$98.60	<b>Sale \$70.95</b>
<b>26011-45</b>	<b>Parts Kit f/MicroCut 625-45</b>	List \$98.60	<b>Sale \$70.95</b>
<b>25875S</b>	<b>Parts Kit/MicroCut 875S</b>	List \$159.68	<b>Sale \$90.95</b>



## Circle Cutting Attachment

Here is a unique plasma cutting attachment that can make your cutting jobs not just easier, but also more precise.

The HTP Circle Cutting kit includes a 10" cutting bar, 15" cutting bar, compass base, magnetic base, 1/4" pierce base and dual wheel car. The two cutting bars can be attached together, allowing you to accurately cut circles anywhere from 4" to 50" diameter. Straight line cutting? The dual wheel car makes it a snap. For some items listed below there is a two week lead time.



**#38100** For use with the HTP MicroCut 200, 201, 300, 301, 380, 400 & 625-45  
List \$189.95 | **Sale \$116.00**

**#38100-875S** Deluxe version for the HTP MicroCut 875S, or any Thermal Dynamics One Series Torches. Includes magnetic base, compass base and two cutting bars, can cut up to 50" circle  
List \$189.95 | **Sale \$116.00**

**#62100** For use with the HTP MicroCut 625 and S54 Torches.  
List \$189.95 | **Sale \$116.00**

**#38100HYMAX20/40** For use with Hypertherm plasma cutters that use a PMX 350 or PMX 380 torch or Hypertherm plasma cutters MAX20 and MAX 40  
List \$189.95 | **Sale \$116.00**

## Plasma Cutter Machine Covers

Made from polyester-backed, marine vinyl, these water resistant, non-flammable covers are specially crafted to protect your machine from moisture, dust, and other harmful workshop elements. Each cover includes a series of cutouts that allow the plasma cutter torch and ground to stay connected while the cover is in place.



Cover For	Part #	Retail	Sale
MicroCut 875S	25875 Cover RV	\$71.00	<b>\$59.95</b>
MicroCut 625	25625 Cover RV	\$66.00	<b>\$55.90</b>
MicroCut 600	MC25600 Cover RV	\$62.00	<b>\$52.90</b>
MicroCut 400	MC25400 Cover RV	\$64.00	<b>\$54.90</b>
MicroCut 200, 201, 300, & 301	MC25300 Cover RV	\$62.00	<b>\$52.90</b>

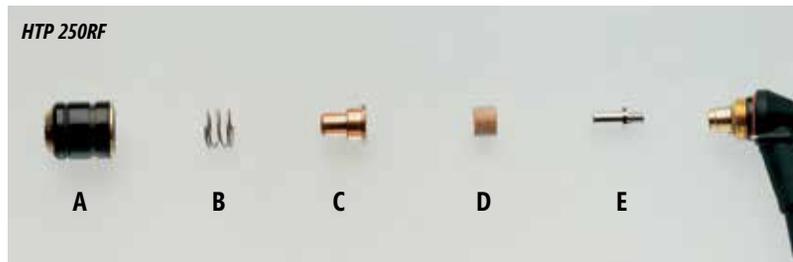


**Replacement Parts for HTP MicroCut 875S**

Illus #	Description	HTP Part #	Price
1	Shield Cap - Drag Cutting	87005D	\$14.95
1A	Shield Cap - Stand Off	87005SO	\$11.49
	Shield Cap - Gouging	87005G	\$14.95
2	Safety Cup	87005	\$32.45
3	Cutting Tip - 60 Amp	870030-60	\$6.15
	Cutting Tip - 40 Amp	870030-40	\$6.15
	Cutting Tip - Wide	870030-W	\$7.29
	Cutting Tip - Medium	870030-M	\$7.29
4	Start Cartridge	87058	\$26.62
5	Electrode	87003	\$8.44

**Replacement Parts for MicroCut 600**

Illus #	Description	HTP Part #	Price
1	Gas Diffuser	38005	\$14.46
2	Cutting Tip, 10-20 Amp	60025	\$4.71
	Cutting Tip, 20-30 Amp	60031	\$4.71
	Cutting Tip, 30-40 Amp	60036	\$4.71
3	Electrode	60003	\$6.21
4	Swirl Ring	62058	\$14.46
5	Torch Head	60002	\$235.53

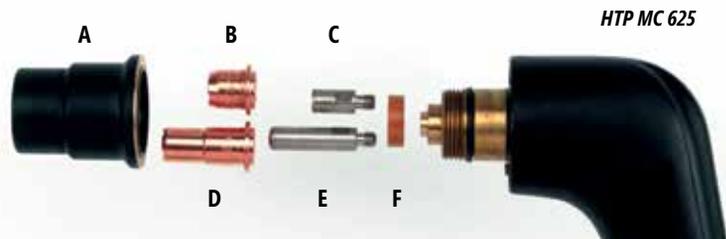


**Replacement Parts for HTP-250RF Torches**

Illus #	Part #	Description	Price
A	23005	Gas Diffuser	\$18.95
B	23062B	Spring (Pkg 3)	\$4.95
C	23130B	Cutting Tip (Pkg 3)	\$15.96
D	23058B	Insulator (Pkg 3)	\$13.95
E	25003B	Electrode (Pkg 3)	\$23.39
	23011RF	Consumable Kit	\$65.95

**Replacement Parts for HTP MC 625**

Illus #	Description	HTP Part #	Price
A	Gas Diffuser	62005	\$30.96
B	Cutting Tip	62030	\$4.71
C	Electrode	62003	\$6.96
D	Extended Cutting Tip	62030E	\$5.46
E	Extended Electrode	62003E	\$7.71
F	Swirl Ring	62058	\$14.46



**Replacement Parts for HTP MicroCuts listed below**

Ref #	Description	200, 201	300, 301, 380, 400, 625-45	Price
1	Gas Diffuser	20005	38005	\$14.46
2	Cutting Tip-Std	20030	38030	\$4.71
3	Electrode	38003	38003	\$6.21
4	Cutting Tip	N/A	62030	\$4.71
5	Electrode	N/A	62003	\$6.96
6	Extended Cutting Tip	N/A	62030E	\$5.46
7	Extended Electrode	N/A	62003E	\$7.71
8	Swirl Ring	62058	62058	\$14.46

# HTP Welding Aids

## HTP Nozzle Spray - 2 Per Pack - #12021 \$19.95

**If you own a MIG welder (any MIG) Nozzle Spray is a must.**

Prevents costly spatter build-ups on nozzles, tips, and swan necks. Not a silicone product, but a specifically designed anti-spatter formula.

### **New Size!**

## HTP Nozzle Gel - #12024-16 \$10.00

**Our HTP Nozzle Gel is the best anti-spatter material we've ever offered.** Now available to you in a 16 oz jar! The HTP Nozzle Gel lubricates nozzles and tips, preventing spatter build-up for longer nozzle life. Dip your hot nozzle in the gel as you weld and spatter just taps out! This blue odorless gel is firm and stays put during high temperature use, even sideways or upside down. We recommend this sensible product to all MIG welders.

## HTP Prime-A-Weld Zinc - 2 Per Pack - #12022 \$29.95

**Auto workers and metal men for years have used hot dip zinc to slow or stop corrosion.** Prime-A-Weld is 95% zinc blended with 5% epoxy resin to produce one tough film. Regular paints can't hold up or bond properly to metal – they are just coatings. Prime-A-Weld zinc-rich treatment actually welds through and chemically fuses to the work surface. Rust doesn't even have a chance to start.

Prime-A-Weld has complete weld-through capability and won't interfere with spotwelds like undercoat paint or plastics. Perfect for rockers, blind panels found on antique restoration, or today's unibody cars. We are proud of this fine product. HTP Prime-A-Weld zinc meets or exceeds all performance requirements including the following specs: MIL-T-210335, repair for hot dip galvanizing, MIL-P-346105-Weld thru primer, and the Preece test for hot dip galvanizing. Remember, if it won't meet or beat all these requirements, it simply won't work properly. You invest your valuable time and energy, the least we can do is provide the best product for your needs.

## Stainless Steel Wire Brushes

**These are an absolute must when welding aluminum.** Regular steel wire brushes contaminate the aluminum and can cause poor results. Stainless steel brushes will ensure the weld surface is as clean as possible. Available in small and large sizes.

**40110** - Stainless Steel Wire Brush (small) **\$4.95**

**40112** - Stainless Steel Wire Brush (large) **\$8.00**



## HTP Super Heat Sponge #12084-32 \$35.00

**Have you ever welded or heated an area of your prized auto, a customer's car or a metal project you were working on only to remove your helmet to find warped metal, discolored paint or broken glass? What was the cost of the damage?**

**We have a new solution ... HTP Super Heat Sponge!**

HTP Super Heat Sponge works like magic to absorb heat and provide a protective barrier to stop the damage excessive heat can cause. Apply on the backside of the weld area as well, to reduce discoloration and distortion on lightweight metal. HTP has always had a Heat Sponge product; however, our new reformulated Super Heat Sponge absorbs even more heat.

It's easy to use. Spread a liberal amount around the work area, now you can start to weld, braze, or solder. Super Heat Sponge will soak up the dangerous heat next to your finished work. The paste is dried out in the heat exchange and your metal is protected from the heat. Wipe off and put it back in the can. Super Heat Sponge is reusable and can be used again and again. Rinse the work area with water and you're done. Apply Super Heat Sponge to finished surfaces to protect from heat damage or weld spatter. HTP Super Heat Sponge works for lead applications near gaskets or windows, use it vertically, horizontally, or overhead. Non-toxic, safe for all skin contact, produces no odor.

HTP Super Heat Sponge is user friendly, environmentally safe, and 100% biodegradable. Available in 32oz. jars. Add up the advantages: eliminate discoloration, distortion and breakage, save costly tear down and reassembly, save time and money.



**Welding Jacket XL** \$36.25  
**Welding Jacket XXL** \$38.88

**Welding safely is a top priority here at HTP, so wearing the proper protective garments is a must!** Our green welding jacket measures a full 30" in length, from base of collar to bottom hem, for complete coverage. Constructed of durable 9.5 oz/sq. yd., flame retardant, 100% cotton sateen with non-reflective snaps at the sleeves and front for safe, secure closure and features an inside lapel pocket measuring a handy 6" x 5". More comfortable than leather, this lightweight jacket will keep you both cool and safe! You'll quickly agree that it provides the ultimate in protection and comfort. Machine-wash and dry, or can be dry-cleaned.



**HTP Flowmeter #12020-F**  
 List \$89.95 | **Sale \$35.00**

**For those who want a more accurate gas delivery system, the HTP flowmeter is the answer.** Perfect for all TIG and MIG welding applications, the HTP flowmeter is an economical alternative for the demanding customer who wants more precise gas metering. The HTP Flowmeter has a CGA-580 tank fitting so it will screw right into Argon, Argon/CO2, and Helium tanks. The square polycarbonate flow tube reads from 10 to 60 CFH. The single stage regulator has a large 1 1/2" diameter pressure gauge which reads from 0 to 4000 psi, so you know how much is left in your tank. The HTP Flowmeter is backed with a 2-year warranty, and provides reliable performance at an affordable price!



**HTP Leather Welding Gloves**  
**Natural leather is the best protection against heat, sparks, and spatter.** HTP's Leather Gloves are strong and comfortable, and extra long to protect wrists.  
**#12550 \$13.95**



### Gas Bottles

- 55 Cubic Foot Capacity for 3 to 4 hours of welding
- 99900 rated 3A1800 (1800 PSI Max pressure w/5% overfill)
- 99900-2015NC rated 3A2015 (2015 PSI Max pressure w/5% overfill)
- Valved CGA 580 for Argon/CO2 mixtures, Refillable
- Give your gas supplier the specifications to make sure they will fill customer owned bottles.

*Buy two so you always have a full bottle on hand!*



HTP 55 Cubic Foot Gas Bottle

	List	Sale
<b>99900</b>	\$135.95	<b>\$100.00</b>
<b>99900-2015NC</b>	\$240.00	<b>\$160.00</b>

**Clecos #99160** List \$59.00 | **Sale \$40.95**  
**For fabricators and racers, nothing works better to hold metal in place prior to welding than Clecos.** They're actually removable rivets. Place the panel in position, drill a 1/8" or 3/16" hole, and using the installation tool, insert the Cleco thru the hole. The two panels are now tightly held together. Clecos are reusable, and they'll be your "third, fourth and fifth hands" for years to come. Kit includes ten 1/8" clecos, ten 3/16" clecos, two edge holding clecos, and the installation tool. Comes complete with handy carrying case.



# HTP Auto Body Tools

## HTP Stud Setter Kit - #12010

List \$479.95 | **Sale \$365.00**

**Pull dents with professional results . . . and a whole lot more!**

This completely portable unit lets you work anywhere. Tests in bodyshops show that the Stud Setter can reduce labor costs by 40% to 80%.

Attach the tip for stud welding, insert studs, pull the trigger, and electrically weld the stud to the dented panel. Attach the slide hammer to the stud and pull the dent, or attach a row of studs and use a clamp and "Come Along" for big dents. Each stud provides about 500 pounds of pull strength, but can be easily ground off without heat distortion. The Stud Setter makes quick work of hail dents and door dings.

Weld studs to cold-rolled, high strength, galvanized and stainless steels – all without making holes or removing inner panels.

Another use for your stud setter is the installation of trim rivets. Many late model cars require these fasteners. Simply attach the trim rivet tip, place a trim rivet in the magnetic tip, hold the gun tip to your scribed line, pull the trigger, and "ZAP", you're done.

On the vehicle, you can shrink stretched metal with clean instant electric heat exactly where you want it, then hammer and cool with a wet rag – continue until done. Get rid of "oil can" areas and reduce high spots. It's great for hard-to-reach places, overhead or at any angle, on 26 gauge through 16 gauge.

A great buy even if it did one job well . . . an incredible value to you because it does three jobs extremely well. Complete step by step instructions enclosed.



See #12015-B (at bottom right of this page) if you own a MIG before purchasing this tool.

### Kit includes:

- |                      |                        |
|----------------------|------------------------|
| 1 HTP Stud Setter    | 1 Box 250 Studs        |
| 1 Slide Hammer       | 1 Box Trim Face Rivets |
| 1 Stud Welding Tip   | 1 Shrinking Tip        |
| 1 Steel Service Tray | 1 Trim Rivet Tip       |

### Stud Setter replacement tips are also available individually:

- |        |                                  |                |
|--------|----------------------------------|----------------|
| #12012 | Shrinking Tip for Stud Setter    | <b>\$14.95</b> |
| #12013 | Stud Welding Tip for Stud Setter | <b>\$14.95</b> |
| #12014 | Trim Tip for Stud Setter         | <b>\$21.95</b> |
| #12038 | 2.0mm Studs Box 500              | <b>\$19.95</b> |
| #12039 | 2.6mm Studs Box 500              | <b>\$19.95</b> |
| #12037 | Trim Rivets                      | <b>\$19.95</b> |



## Entry Level Stud Setter Kit - 12010ECB

List \$349.00 | **Sale \$214.00**

**Pull dents with professional results!** This is just like our HTP Stud Setter Kit, #12010, which allows you to pull dents without drilling holes. This H&S Stud Setter lets you electrically weld the stud to the dented panel, attach the slide hammer, and pull the dent! It's that simple! Each stud provides 500 lbs. of pulling power. With optional accessories you can also weld trim rivets and shrink! The Entry Level Stud Setter kit includes the Stud Setter Gun, slide hammer, stud welding tip, and 100 studs.



## Dent Puller Kit - 12015-B List \$99.95 | **Sale \$84.00**

**Originally built for the bodyshop and now available to you to get professional results at home.** It works so easily anyone can lift out dents and save hundreds in repair bills. Here's all you do; set your HTP or other MIG Welder to the proper heat range, install your stud weld nozzle (#15007), place a stud in the guide, hold gun and nozzle at an angle so that the stud is 90 degrees to the work surface, and in spot weld mode, just pull the trigger and you've set the stud.

Now attach the slide hammer to the stud and pull, or put several studs on and use other clamps and pull devices. The perfect accessory for those hard-to-pull dents. No more drilling holes: a real solution, not a patch. You won't know how you did without it! The HTP Dent Puller Kit comes complete with slide hammer, 500 studs and stud welding nozzle.

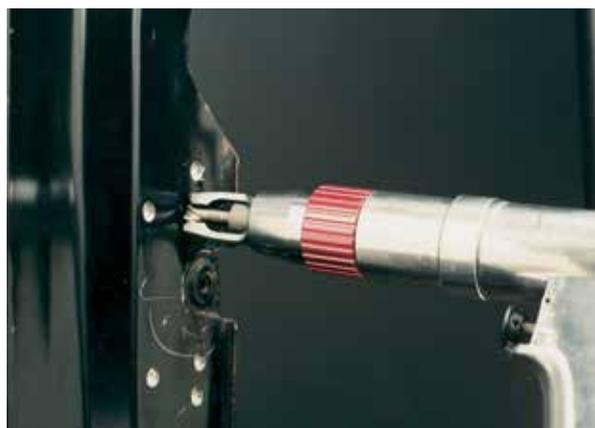


**A. HTP Spot Mill - #90150**

List \$449.00 | **Sale \$267.00**

**Imagine the best spot weld removal tool you can.** It would have to drill out spot welds quickly and be able to remove spot welds without drilling through both panels. It would have to be easy to start, without a center punch and not walk around the panel. It would have to have a long lasting drill bit. Well, you've just imagined the HTP Spot Mill. This unique tool has a hardened cobalt steel bullet point drill bit. It's actually more like a bit found in a Bridgeport milling machine. The depth of cut is set by turning the adjusting ring, so you can set the tool to only cut through the upper panel. The high torque, low RPM drill motor cuts out spot welds quickly, and without overheating the drill bit, which results in long drill life. Best of all, with the HTP Spot Mill, you can remove spot welds without having to access both sides of the panel. You know what a problem spot weld removal is. The HTP Spot Mill solves that problem quickly, easily, and efficiently. The HTP Spot Mill is the spot weld removal tool you've been waiting for.

Includes rugged molded case, 4 replacement cutting bits, regulator and oiler.



**HTP Spot Weld Drill Bits** - Made of top quality, German tool steel, this high-speed steel is mixed with a special cobalt alloy (EMO5-CO5), resulting in drill bits that can be expected to last twice as long as standard high-speed steel bits. Tests in our 90150 HTP Spot Mill have resulted in over 100 spot welds removed. These advanced HTP drill bits also work great in any other spot weld cutter.

Measuring 1 1/4" long x 5/16" diameter, they can be used in any drill which runs between 700 to 1800 rpm. Of course, as with any cutting tool, use of a cutting oil will greatly increase the life of the tool.



**A) 90151 -10TIN** - This HSSE bit contains special cobalt alloy and is coated with space-age Titanium, which gives the bit its gold color. This bit lasts three times longer than our 90151 HSSE cobalt bit, and features a 10mm diameter cutting face. List \$34.95 | **Sale \$22.90**

**B) 90151** - This HSSE bit contains special cobalt alloy and lasts twice as long as HSS bits. This bit has an 8mm diameter cutting surface. List \$14.95 | **Sale \$11.25**

**C) 90151-TIN** - **You know these bits are different the minute you look at them.** We took our HSSE cobalt alloy bit and coated it with space-age Titanium, which gives the bit its gold color. The durable, titanium coating on these bits makes them last three times longer than our 90151 HSSE cobalt bit. This bit has an 8mm diameter cutting surface. List \$24.95 | **Sale \$16.25**

**D) 90151-MAX2U** - **These are the highest quality spot weld drill bits** - Both Titanium Coated and Carbon Nitrited, this exceptional coating is extremely hard while offering a very low coefficient of friction, so it runs cool. The bit's purple color comes from the carbon nitriding process, which makes this bit last 10 times longer than the standard HSS bit. Featuring a Rockwell Hardness of 96 and max temp rating of 1600 degrees, you can use the MAX2U bit dry or with cutting oil. This bit has an 8mm diameter cutting surface. List \$32.95 | **Sale \$21.65**

**E) 90151-3** - **This is truly the top of the line.** If you are working on late model, uni-body vehicles (Daimler/Chrysler, Porsche, Audi, Volvo, BMW, just to name a few) using very high strength, extremely hard Usibor or BTH steel, then you need this cutter or a plasma cutter to cut through these exceedingly tough, ultra-hard materials. This spot weld drill bit features a special, three-fluted design and combines all of the benefits of TiN, TiAN, and TiCN coatings. Watch it cut through these unusually hard steels while other drill bits just dull. Not recommended for use in a drill, but are designed specifically for specialized spot weld cutting tools. This bit has an 8mm diameter cutting surface. List \$65.95 | **Sale \$51.25**

# HTP Quick Spot II

#60501

Visit our online welding store anytime at  
[www.USAWeld.com](http://www.USAWeld.com)

List \$1095.00 | **Sale \$636.00**

**Now, with the HTP Quick Spot II, anyone can make factory looking spot welds quickly, easily, and affordably.** This 220-volt powerhouse produces 6000 amps, making rust repairs and panel repairs a snap. The Quick Spot II welds with virtually no warpage, and finishing work is minimized because no metal is added in the welding process. You don't have to worry about pitting windshields or burning up interiors because the Quick Spot II eliminates spatter.

Best of all, the Quick Spot II requires absolutely no welding skill to operate. The same Micro-processor technology found in our Versa Spot 7000 means you just select the thickness of the panels you're welding, squeeze the handles together, and the Quick Spot II does the rest. It even has a pulse feature for burning through primers!

The Quick Spot II also uses the same spot welding arms as the Versa Spot 7000, so you will be sure you can tackle just about any welding job that comes your way. **We recommend the Quick Spot II for the sophisticated home shop, body man, sheet metal fabrication shop, and antique restorer.**

## Quick Spot II Specs

Maximum Welding Current	6000 amps
Welding Voltage	2.5 volts
Max. Electrode Pressure	265 lbs
Input Voltage	220 volts
Input Amperage	30 amps
Maximum Absorbed Power	13 Kw
Rated Power	2.3 Kw @ 50%
Spots/Hr (continuous mode 20 ga panels)	180
Maximum Double Sided Spot Welding Thickness	14 ga (.075") + 14 ga (.075")
Dimensions	17" L x 4"W x 7" H
Includes Straight Arms (Offset Electrode 4 3/4") Item #673151	

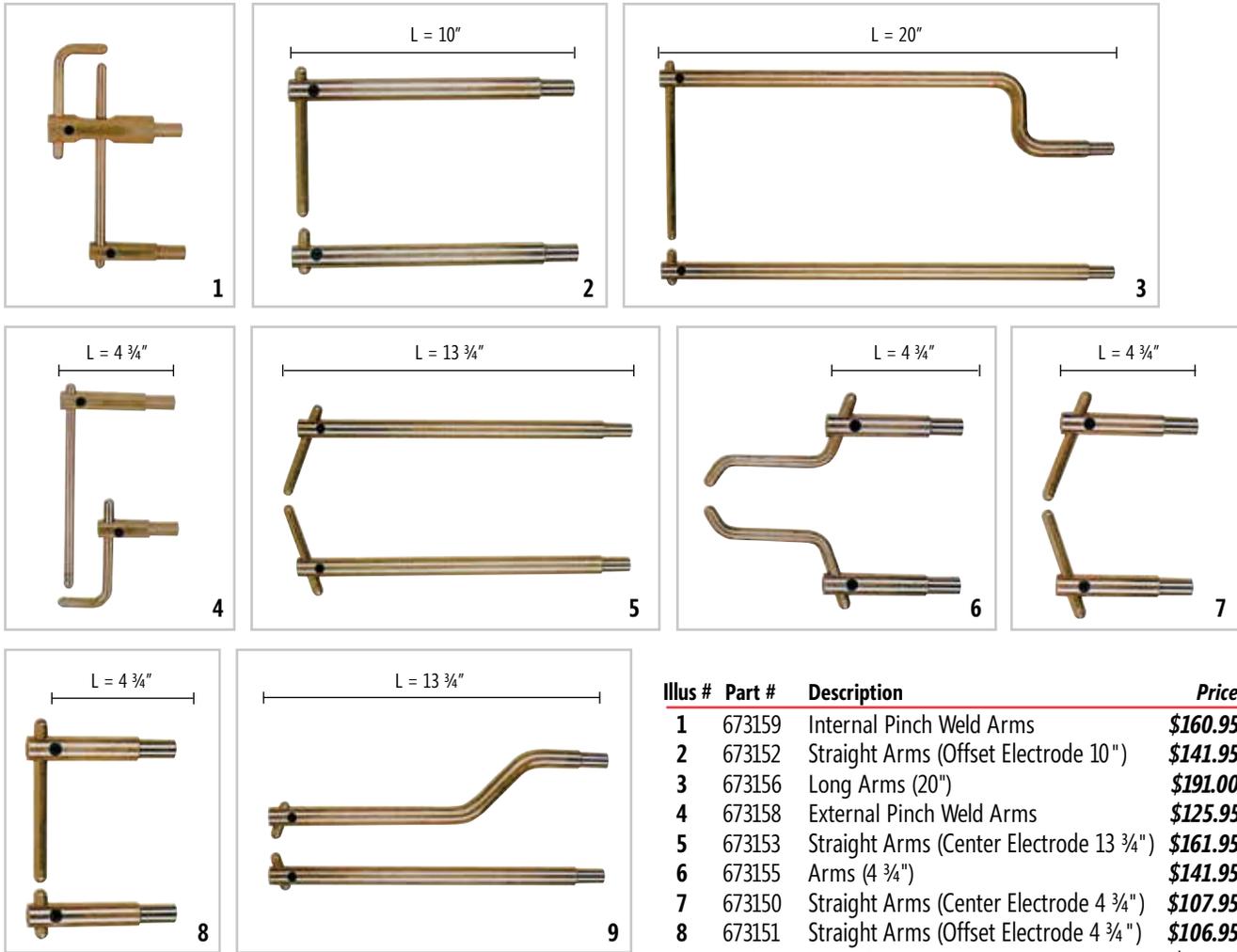


Quick Spot II Control Panel

The Quick Spot II ships free anywhere in the Continental United States, additional charges will apply for Hawaii, Alaska, Puerto Rico, and international locations.



# Optional Spot Welding Arms



Illus #	Part #	Description	Price
1	673159	Internal Pinch Weld Arms	<b>\$160.95</b>
2	673152	Straight Arms (Offset Electrode 10")	<b>\$141.95</b>
3	673156	Long Arms (20")	<b>\$191.00</b>
4	673158	External Pinch Weld Arms	<b>\$125.95</b>
5	673153	Straight Arms (Center Electrode 13 3/4")	<b>\$161.95</b>
6	673155	Arms (4 3/4")	<b>\$141.95</b>
7	673150	Straight Arms (Center Electrode 4 3/4")	<b>\$107.95</b>
8	673151	Straight Arms (Offset Electrode 4 3/4")	<b>\$106.95</b>
9	673154	Arms (13 3/4")	<b>\$166.95</b>
	673045	Spot Weld Arms Kit – (Includes 1, 2, 3, 4, 5, 6 Above)	<b>\$819.95</b>



## HTP Tip Dresser

**Keeping your spot welding electrodes in top shape is critical to making a good weld.** Well, leave it to HTP to come up with a quick, easy solution. Our unique Tip Dresser makes it a snap for you to expertly sharpen your spot welding electrodes so they are always in peak operating condition. All you do is chuck the tip dresser in a drill and sharpen! It's that simple to ensure perfectly finished electrodes every time you weld. The HTP Tip Dresser is available to fit 12mm electrodes which work with the Versa Spot 7000 or Quick Spot II.

**67000-TD12** Tip Dresser (12mm) **\$35.90**

# HTP Metal Working Tools



## HTP Combination Punch & Flange Tool

Here's a remarkably easy way you can make professional looking and fitting replacement panels, without warpage, even in the center of large, flat panels. Best of all, you don't have to be a highly experienced fabricator to get perfect results each and every time.

The flanger will press a 7/8" wide, .040" offset in your panel. The benefit of flanging your panel is that it allows you to perform a lap weld rather than a butt weld. Secondly, a flanged panel has significantly more rigidity resulting in less warpage when welding.

Swivel the head and the flanger becomes a hole puncher. The quick and easy way to punch holes in panels for MIG Plug Welding. Your choice of 3/16" or IICAR recommended 5/16" holes.

This labor saving tool will produce factory looking repairs requiring less finishing time, saving you time and money. Much faster than the "vise grip" style flangers. Replacement punch and die sets are readily available which means this tool will last you a lifetime. Punches and flanges metal up to 20 gauge thick.

- 12003 HTP 3/16" Combination Punch & Flange Tool **Sale \$107.00**
- 12005 HTP 5/16" Combination Punch & Flange Tool **Sale \$107.00**
- 12006 5/16" Punch and Die Set F/12005 **Sale \$42.00**
- 12007 3/16" Punch and Die Set F/12003 **Sale \$42.00**



## Heavy Duty Hole Punch - #12009

List \$138.95 | **Sale \$110.00**

This heavy duty tool is a must for home restorers, collision repair experts, and sheetmetal fabricators. Easily punches

IICAR recommended 5/16" holes in frame rails for MIG Plug Welding. Adjustable stop allows you to position holes up to 1 1/2" into the panel. Quickly punches

through 16 ga. metal. This is a "must have" tool for bodymen working on unibody cars. Replacement punch and die sets available means this tool will give you a lifetime of service.



5/16" Punch & Die for Heavy Duty Hole Punch - #12004 List \$59.10 | **Sale \$42.00**

## HTP Maghold #90180 \$17.95

The HTP Maghold is an indispensable tool for chassis and sheet metal fabricators. This handy tool will hold any piece of tubing over 1/2" dia. at a 45°, 90° or 135° angle while you weld it into place. Also works great on steel plate and square tubing.



# HTP MIG Gun Parts

## Replacement Parts for HTP MIG Guns and Flexible Swan Neck MIG Welding Guns



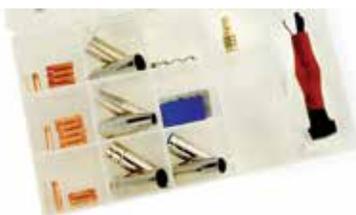
Illus #	Part #	Description	Price	Illus #	Part #	Description	Price
A	15023B	.023 " Contact Tips (Pkg 10)	\$5.00	I	15002	Swan Neck with Gas Diffuser	\$19.75
	15030B	.030 " Contact Tips (Pkg 10)	\$5.00		13002-DLT	Gas Diffuser	\$12.21
	15035B	.035 " Contact Tips (Pkg 10)	\$5.00	J	14009	Trigger Switch (Not Pictured)	\$15.50
B	15007	Stud Welding Nozzle	\$12.21		14010	Handle Assembly	\$19.75
C	15106	Spot Welding Nozzle	\$8.95		15040-16	Steel Liner	\$19.95
D	15104	Cylindrical Nozzle	\$7.95		15044	Teflon Liner	\$24.46
E	15105B	Conical Nozzle (Pkg 3)	\$19.56		13002	Swan Neck 13AK	\$19.75
F	15108	Small Conical Nozzle	\$7.95		14040	Liner for 14AK	\$16.96
G	15500	Flexible Swan Neck	\$65.00		15100	10' MIG Welding Gun	\$107.95
G	15058	Head Insulator Flex Swan Neck	\$6.95		15500	10' Flexible Neck MIG Gun	\$117.95
H	15062B	Nozzle Retaining Spring (Pkg 4)	\$5.95				

### HTP MIG Consumable Kit #50013

List \$128.50 | Sale \$90.95

Ever start to use your welder on a new project only to discover you need a new nozzle, tip, or other consumable part? You can avoid this frustration when you are prepared with the HTP MIG CONSUMABLE KIT, which contains the inventory you need to keep your welding equipment up and running smoothly. And best of all, these are genuine HTP replacement parts in a compartmentalized, clear plastic box marked with permanent part #'s to make ordering even easier. Your #50013-HTP MIG Welder Consumable Kit includes:

Part #	Qty	Description	Part #	Qty	Description
12025	1	Nozzle Reamer	15104	2	Cylindrical Nozzle
13002-DLT	1	Gas Diffuser	15108	2	Small Conical Nozzle
15023	6	.023 Contact Tips	15106	2	Spot Weld Nozzle
15030	6	.030 Contact Tip	12026	1	Wire Cleaner
15035	3	.035 Contact Tips	15062	5	Nozzle Springs
15105	2	Conical Nozzle			



### Consumable Kit for MIG 2400 List \$80.00 | Sale \$65.95

#50013-24 for 24 Series Gun

#50013-T#1 for Tweco #1 Gun

Part #	Qty	Description	Part #	Qty	Description
24002-DIF	1	Gas Diffuser	12025	1	Nozzle Reamer
15023	5	.023 Contact Tips	S4228-1	1	Gas Diffuser
15030	5	.030 Contact Tip	15023	6	.023 Contact Tips
15035	5	.035 Contact Tips	15030	6	.030 Contact Tip
15045	5	.045 Contact Tips	15035	3	.035 Contact Tips
24002-TH	1	Tip Holder	21-37	1	Nozzle Super Taper
24105	1	Gas Nozzle	21-50	2	Steel Welding Nozzle
24104	1	Cylindrical Nozzle	21-62	1	Cylindrical Nozzle
24108	1	Super Taper Nozzle	21-62FAS	1	Tweco Spot Weld Nozzle
24106	1	Spot Weld Nozzle	12026	1	Wire Cleaner

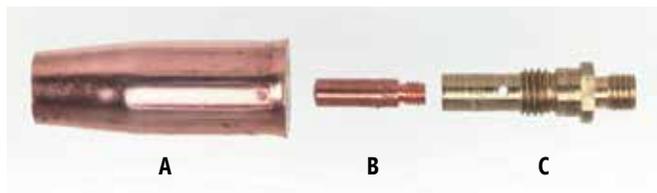


# HTP MIG Gun Parts

Compatible with the following welding guns.

## CENTURY®

Used on Century® Quick Fix 75amp, 110/90, 130, 131, 140, 150, 160, 200, 85 amp Dual Purpose, 105/90.

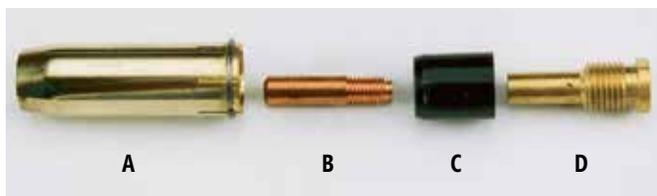


Illus #	Description	Part #	Price
A	Conical Nozzle	334-203-000B (Pkg 2)	<b>\$10.00</b>
	Spot Weld Nozzle	334-211-000	<b>\$9.95</b>
B	.023" Contact Tip	334-159-000B (Pkg 10)	<b>\$4.00</b>
	.030" Contact Tip	334-160-000B (Pkg 10)	<b>\$4.00</b>
	.035" Contact Tip	334-161-000B (Pkg 10)	<b>\$4.00</b>
C	Gas Diffuser	334-228-000 (Pkg 2)	<b>\$4.00</b>
	Complete 10' MIG Gun	238-155-000	<b>\$134.95</b>
	Complete 10' MIG Gun	S4320T10-15H	<b>\$134.95</b>

## HOBART®

Piecemaker 14A Welding Gun Parts

Used on Hobart® Handler®, Handler® 120, and Handler® 150

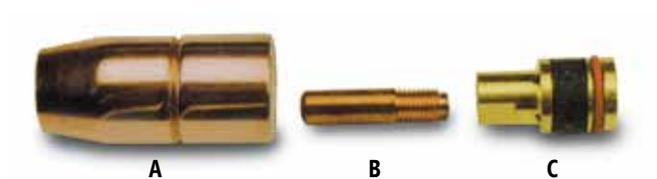


Illus #	Description	Part #	Price
A	Gas Nozzle	H379 718	<b>\$8.10</b>
B	.023" Contact Tip	H379 587 (Pkg 5)	<b>\$4.75</b>
	.030" Contact Tip	H379 304 (Pkg 5)	<b>\$4.75</b>
	.035" Contact Tip	H379 314 (Pkg 5)	<b>\$4.75</b>
C	Nozzle Adapter	H379 708	<b>\$7.95</b>
D	Gas Diffuser	H177 107	<b>\$13.95</b>
	Complete 10' MIG Gun	Call for Details	

## HOBART®

Fits H-9, H-10, M-10 and M-15 Welding Guns

Used on Handler® 125, 135, 140, 175, 180, Beta-Mig® 1800 500 series

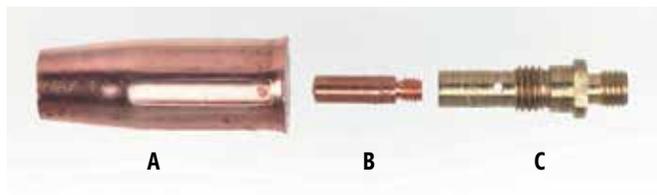


Illus #	Description	Part #	Price
A	Gas Nozzle	770 404 (Pkg 2)	<b>\$6.98</b>
B	.023" Contact Tip	770 399B (Pkg 10)	<b>\$5.00</b>
	.030" Contact Tip	770 398B (Pkg 10)	<b>\$5.00</b>
	.035" Contact Tip	770 400B (Pkg 10)	<b>\$5.00</b>
	Tip Adapter	770 402	<b>\$2.25</b>
C	Complete 10' MIG Gun	M195 957SBE	<b>\$112.95</b>

## LINCOLN®

Magnum® 100L Welding Gun Parts

Used on SP-85, SP-100, SP-100T, SP-125 Plus, SP-130T, SP-155, SP-170T, SP-175 Plus, Mig Pak® 10, Mig Pak® 15, Weld Pak® 100, Weld Pak® 155



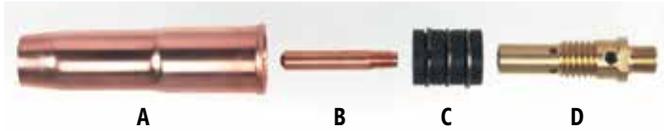
Illus #	Description	Part #	Price
A	Conical Nozzle	M16684-1 (Pkg 2)	<b>\$6.96</b>
	Spot Weld Nozzle	M17846-1	<b>\$9.95</b>
B	.023" Contact Tip	S19726-1 (Pkg 10)	<b>\$4.00</b>
	.030" Contact Tip	S19726-2 (Pkg 10)	<b>\$4.00</b>
	.035" Contact Tip	S19726-3 (Pkg 10)	<b>\$4.00</b>
C	Gas Diffuser	S19728 (Pkg 2)	<b>\$4.00</b>
	Complete 10' MIG Gun	K530-5HTP Spaded Terminal	<b>\$89.95</b>
	Complete 10' MIG Gun	K530-6HTP 4 Pin Amph Plug	<b>\$89.95</b>

# HTP MIG Gun Parts

To see more MIG Gun replacement parts  
visit our online welding store at  
[www.USAWeld.com](http://www.USAWeld.com)

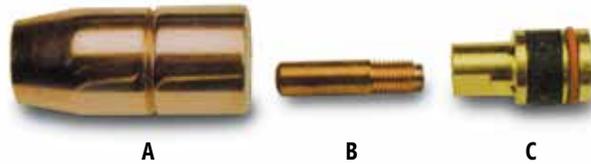
Compatible with the following welding guns.

**LINCOLN®**  
**Magnum® 250L Welding Gun Parts**  
Used on SP-250, SP-255, Wire-Matic® 255, Power Mig® 255



Illus #	Description	Part #	Price
A	Conical Nozzle	KP22-50	\$6.96
B	.023" Contact Tip	KP14-23B (Pkg 5)	\$4.38
	.030" Contact Tip	KP14-30B (Pkg 5)	\$4.38
	.035" Contact Tip	KP14-35B (Pkg 5)	\$4.38
	.045" Contact Tip	KP14-45B (Pkg 5)	\$4.38
C	Insulator	KP32	\$2.88
D	Gas Diffuser	KP52	\$6.25
	Complete 12' MIG Gun	LPM212-3035	\$189.95

**MILLER®**  
**H-10 & M15 Welding Gun Parts**  
Used on Millermatic® 130, 150, Challenger®, 185  
Millermatic® 120 Effective with KF849783

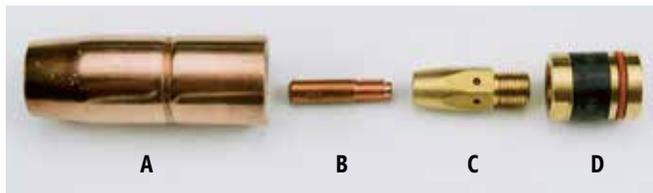


**Consumable Kit for  
Miller H-10 & M15 Guns #50013-M15**  
Retail \$49.95 | **Sale \$27.90**

Illus #	Description	Part #	Price
A	Gas Nozzle	M169 715 (Pkg 2)	\$6.98
B	.023" Contact Tip	M087 299B (Pkg 10)	\$5.00
	.030" Contact Tip	M000 067B (Pkg 10)	\$5.00
	.035" Contact Tip	M000 068B (Pkg 10)	\$5.00
C	Tip Adapter	M169 716	\$2.25
	Liner .023"	194 010	\$11.95
	Liner .030/035"	194 011	\$11.95
	Complete 10' MIG Gun	M169 589SBE	\$107.95

Part #	Qty	Description
M087 299	5	.023 Contact Tips
M000 067	5	.030 Contact Tips
M000 068	5	.035 Contact Tips
M169 715	1	Gas Nozzle
M169 716	1	Tip Adapter/Gas Diffuser
12026	1	Wire Cleaner

**MILLER®**  
**M25/M25M/M40/M40AL Welding Gun Parts,**  
Used on Millermatic® 200, 210, 212, 250, 250X, 251, 252, 300  
and Vintage®



**Consumable Kit for  
Miller M25/M25M/M40/M40AL Guns #50013-M25**  
Retail \$49.95 | **Sale \$27.90**

Illus #	Description	HTP Part #	Price
A	Gas Nozzle	M169 726 (Pkg 2)	\$14.98
B	.023" Contact Tip	M087 299B (Pkg 10)	\$5.00
	.030" Contact Tip	M000 067B (Pkg 10)	\$5.00
	.035" Contact Tip	M000 068B (Pkg 10)	\$5.00
	.045" Contact Tip	M000 069B (Pkg 10)	\$5.00
C	Tip Adapter	M169 728	\$3.50
D	Nozzle Adapter	M169 729 (Pkg 2)	\$8.50
	Liner .023"	194 010	\$11.95
	Liner .030/035"	194 011	\$11.95
	Complete 12' MIG Gun	M169 596	\$142.95

Part #	Qty	Description
M087 299	5	.023 Contact Tips
M000 067	5	.030 Contact Tips
M000 068	5	.035 Contact Tips
M000 069	1	.045 Contact Tips
M169 726	1	Gas Nozzle 5/8", Flush
M169 728	1	Contact Tip Adapter
M169 729	1	Nozzle Retainer
12026	1	Wire Cleaner

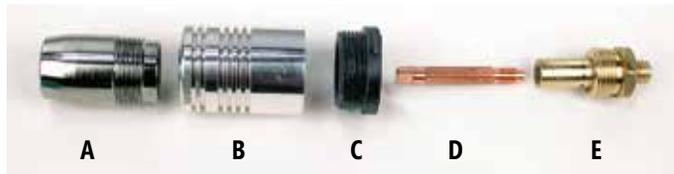
Free Shipping - All Orders Over \$35

# HTP MIG Gun Parts

Compatible with the following welding guns.

## SNAP-ON® Spool Gun

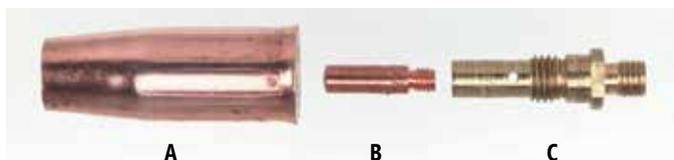
Used on Models MHG5A, MHG5B, and MHG5300



Illus #	Description	Part #	Price
A	Gas Nozzle	M5-C62	\$18.95
B	Nozzle Body	M5-NB	\$25.95
C	Insulated Bushing	M5-B	\$14.95
D	.023" Contact Tip	MG-T25	\$5.95
	.030" Contact Tip	MG-T30	\$5.95
	.035" Contact Tip	MG-T35	\$5.95
	3/64" Contact Tip	MG-T364	\$5.95
E	Gas Diffuser	M35-D	\$22.38

## SNAP-ON®

Used on YA205, YA217, YA219, YA240

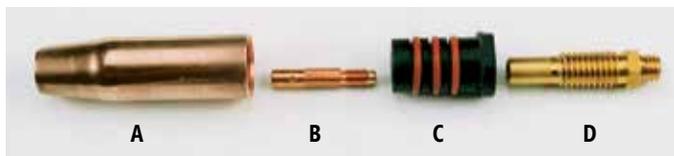


Illus #	Description	Part #	Price
A	Conical Nozzle	S4328B (Pkg 3)	\$19.71
	Spot Weld Nozzle	S4329	\$9.21
B	.023" Contact Tip	4309B (Pkg 10)	\$5.00
	.030" Contact Tip	4310B (Pkg 10)	\$5.00
	.035" Contact Tip	4311B (Pkg 10)	\$5.00
	Gas Diffuser	S4228	\$4.71
C	Complete 10' MIG Gun	S4320-T10-15H	\$134.95

## SNAP-ON®

15TG Series Welding Gun Parts

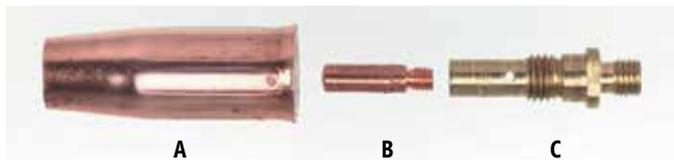
Used on FM-140 A, YA-204, YA-212, MM140SL, MM250SL



Illus #	Description	Part #	Price
A	Gas Nozzle 1/2"	M3T-N50	\$15.95
B	.023" Contact Tip	M3-T25 (Pkg 5)	\$13.00
	.030" Contact Tip	M3-T30 (Pkg 5)	\$13.00
	.035" Contact Tip	M3-T35 (Pkg 5)	\$13.00
	Insulated Bushing	M3T-B	\$11.95
D	Gas Diffuser	M3T-D	\$14.95
	10' OEM MIG Gun	15TG10	\$291.95
	HTP Replacement Gun	15TG10-24	\$191.00

## SOLAR®

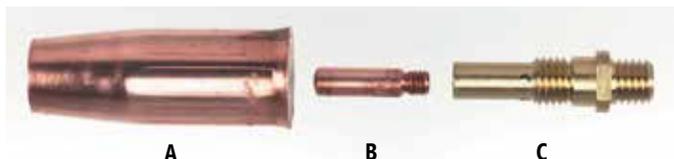
Used on Solar® 2110, 2114, 2115, 2120, 2125, 2130, 2140, 2150, 2160, 2175



Illus #	Description	Part #	Price
A	Conical Nozzle	S4328B (Pkg 3)	\$19.71
	Spot Weld Nozzle	S4329	\$9.21
B	.023" Contact Tip	4309B (Pkg 10)	\$5.00
	.030" Contact Tip	4310B (Pkg 10)	\$5.00
	.035" Contact Tip	4311B (Pkg 10)	\$5.00
	Gas Diffuser	S4228	\$3.25
C	Complete 10' MIG Gun	S4320-T10-15H	\$134.95

## SOLAR®

Used on Solar® 2225



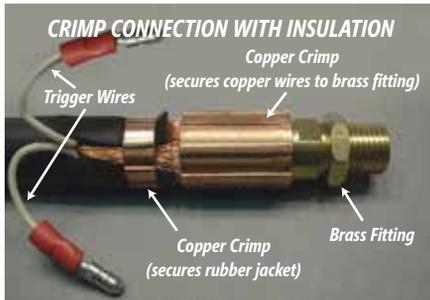
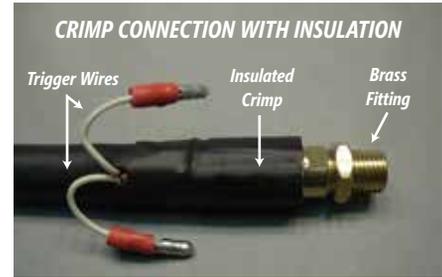
Illus #	Description	HTP Part #	Price
A	Conical Nozzle	4328B (Pkg 3)	\$19.71
	Spot Weld Nozzle	4329	\$9.21
B	.023" Contact Tip	4309B (Pkg 10)	\$5.00
	.030" Contact Tip	4310B (Pkg 10)	\$5.00
	.035" Contact Tip	4311B (Pkg 10)	\$5.00
	Gas Diffuser	334-363-000	\$43.50
C	Complete 12' MIG Gun	S4320-24/12SBE	\$144.95

SNAP-ON is a registered trademark of the Snap-On Company. SOLAR® is a registered trademark of Century Manufacturing. HTP is not affiliated with Tweco Products Inc. HTP supplies high quality replacement parts manufactured by or for HTP to demanding specifications. The parts are designed to be interchangeable and compatible with the aforementioned companies, are not OEM parts and are not endorsed by the aforementioned companies.

# MIG Replacement Guns

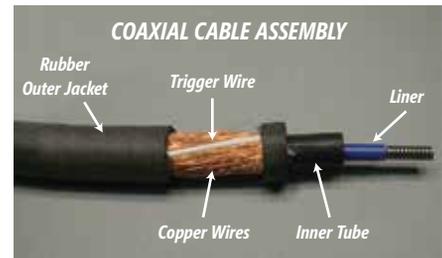
**HTP replacement welding guns are made to the highest standards – after all, they are OEM on our welding machines!** We have taken the design principles employed in HTP welding guns and applied them to many of the replacement guns we build for other welders.

You really have to dig deep into the gun to see the quality. Our crimp connections all use a high temperature shrink tubing to prevent the trigger wires from chafing against the crimp connection.



The crimp connection - key to good transfer of the welding current - uses high quality copper crimps and solid brass fittings and lock nuts. Some companies use steel to save money – not HTP.

And at right is a cutaway of the coaxial welding cable assembly:



You can see the liner, which has a plastic coating to prevent the shielding gas from running out the back of the gun, goes into the inner tube. The shielding gas runs down the outside of the liner and the inside of the inner tube. The copper wires which carry the welding current, and the trigger wires which activate the machine, are neatly wound around the inner tube. And the whole assembly is encased in a heat resistant, flexible rubber outer sheath.

And where do your air hoses fail? At the crimp connection, where you go from a flexible to a rigid connection. That is why HTP guns use a spring support system at both the handle and the machine end of the welding gun.



Our color coordinated handles are ergonomic, fit your hand better and are disassembled without any tools. And if you really want to make your welding easier, consider upgrading to the HTP Flex Neck Gun - we can outfit many of the guns we make with our flexible neck – great for exhaust work or building roll cages.

**With HTP replacement guns you get the best of both worlds, a better than OEM quality gun at an affordable price. With over 30 years of experience in the welding field, we can custom build you a gun for virtually any machine. So don't throw that old welder away, put new life into it with a new HTP replacement welding gun.**

# MIG Replacement Guns

Description	Fits the following Models	HTP P/N	Price
10' HTP Replacement Gun for <b>Century</b>	Fits 117-008 Porta Mig, 117-014 Porta Mig II, 117-015 All Star, 117-021 90 Amp, 117-027 Pow'r Mate 75, 117-028 75 amp, 117-030 90 Amp, 117-032 Pow'r Mate Quick Fix, 117-034 83075, 117-038 90 Amp, 117-041 Pow'r Mate 90, 117-044 All Star, 117-050 83085, 117-051 83110 & 83111, 117-052 83105, 117-060 83070, 117-061 Pow'r Mate 83100, 117-063 PM-120, 117-064 Pow'r Mate 83101, 117-065 83130, 117-066 83131, 117-067 83132 & 83133, 117-069 83145, 117-070 83090	S4320T10-15H	<b>\$134.95</b>
10' HTP Replacement Gun for <b>Century</b>	117-076 (Century 125 GS, 125 GL, 83125 and 83126) 117-077 (Century 83136, 83137, 135 GL, and 135 GS) 117-078 (Century 83155, 83156, 155 GL, and 155 GS) 117-079 (Century 83170, 83171, 170GL, and 170 GS) 117-084 (Century 83155)	81295-T10	<b>\$77.95</b>
12' HTP Replacement Gun for <b>Century</b>	Fits 117-009 Maintenance Mig, 117-018 83225, 117-042 83225, 117-046 83226	S4320-24/12SBE	<b>\$144.95</b>
10' HTP Replacement Gun For <b>Clarke</b>	Fits Clarke 130EN, 160 EN and 180EN	81295-TCL	<b>\$82.95</b>
10' HTP Replacement Gun For <b>Clarke</b>	Fits Clarke 105, 100E, 110EN, 140EN, 150TE and 190EN	81295-B	<b>\$77.95</b>
10' HTP Replacement Gun For <b>Clarke</b>	Fits Clarke 85EN, 90EN, 100EN, 105EN, 150EN and 151EN	81295-B100EN	<b>\$89.95</b>
10' HTP Replacement Gun For <b>DAN MIG</b>	Dan Mig 140, 141, 142, 140-195, 140-200, 160, 165, 195, 200, 240, 255	15100	<b>\$122.00</b>
10' HTP Replacement Gun for <b>Dayton</b>	Fits 3Z913, 3Z913A, 3Z913B, 3Z913C, 3Z913D, 3Z913E, 5W527, 6Z935 6Z935A, 6Z935B, 6Z935C	S4320T10-15H	<b>\$134.95</b>
12' HTP Replacement Gun for <b>Dayton</b>	3Z914, 3Z914A , 3Z914B, 3Z914C, 5Z136, 5Z136A	S4320-24/12SBE	<b>\$144.95</b>
10' HTP Replacement Gun For <b>Hobart 14A</b>	Fits Hobart Handler, Handler 120, Handler 150 and Mig-Man	Call for Details	
10' HTP Replacement Gun for <b>Hobart</b>	Fits Hobart Handler 130XL	M2010	<b>\$109.95</b>
10' HTP Replacement Gun for <b>Hobart</b>	Fits Hobart Handler 135, 140, 175, 180, 187	M195957-SBE	<b>\$112.95</b>
10' HTP Replacement Gun for <b>Hobart</b>	Fits Hobart Handler 190, 210, 210MVP	H245926	<b>\$112.00</b>
10' HTP Replacement Gun for <b>Hobart</b>	Fits Hobart Iron Man 210, Trek 180	M169589-SBE	<b>\$107.95</b>
12' HTP Replacement Gun for <b>Hobart</b>	Fits Hobart Iron Man 210, 230, 250, 275, Beta Mig 2510, 2250	M169596	<b>\$142.95</b>
15' HTP Replacement Gun for <b>Hobart</b>	Fits Hobart Iron Man 210, 230, 250, 275, Beta Mig 2510, 2250	M169598	<b>\$157.95</b>
10' HTP Replacement Gun for <b>HTP</b>	Fits HTP Mini, Maxi, Versa, Auto, Econo Mig welders, HTP Mig 140, 160, 160DV, 1600, and 200	15100	<b>\$122.00</b>
10' HTP Replacement Gun for <b>Lincoln</b>	Fits SP-100, SP-100T, SP-125 Plus, SP-130T, SP-135 Plus, SP-135T, SP-170, SP-170T, SP-175 Plus, SP-175T, MIG Pak 10, MIG Pak 15, Pro 100, Pro 155, Pro-Core 100, Pro-MIG 135, Pro-MIG 175, Weldmark 135 Plus, Weld-Pak 100, Weld-Pak 100HD, Weld-Pak 125, Weld-Pak 155, Weld-Pak 175HD, Weld-Pak 3200HD, Weld-Pak 5000HD	K530-5HTP	<b>\$89.95</b>
10' HTP Replacement Gun for <b>Lincoln</b>	Fits SP140T, SP-180T, Easy Core 125, Easy Core 140, Easy Mig 140, Easy Core 180, Mig Pak 140, Mig Pak 180, Pro Core 125, Pro Mig 140, Pro Mig 180, Weld Pak 125HD, Weld Pak 140HD, Weld Pak 180HD, Work Pak 125, Power Mig 140, Power Mig 140C, Power Mig 140T, Power Mig 180, Power Mig 180C, Power Mig 180T, Power Mig 180 Dual	K530-6HTP	<b>\$89.95</b>
10' HTP Replacement Gun for <b>Lincoln</b>	Fits SP-150 and SP-200	LE-100	<b>\$134.95</b>
12' HTP Replacement Gun for <b>Lincoln</b>	Fits Power Mig 200, 215, 216, 255, 255XT, 256, Wire Matic 255	LPM212-3035	<b>\$189.95</b>

# MIG Replacement Guns

Description	Fits the following Models	HTP P/N	Price
10' HTP Replacement Gun for <b>Mac Tools</b>	Fits WS007K, WS117, WS117K, WS120	S4320T10-15H	<b>\$134.95</b>
10' HTP Replacement Gun for <b>Mac Tools</b>	Fits MW100, MW130, MW130A, MW145, MW145A, MW150, MW150K	M2010	<b>\$109.95</b>
10' HTP Replacement Gun for <b>Mac Tools</b>	MW165, MW165A, MW175, MW 135X, MW 175X, MW185 Plus	M195957	<b>\$112.00</b>
10' HTP Replacement Gun for <b>Mac Tools</b>	MW 145N, MW 185N	15100	<b>\$122.00</b>
12' HTP Replacement Gun for <b>Mac Tools</b>	WS 225K	S4320-24/12SBE	<b>\$144.95</b>
12' HTP Replacement Gun for <b>Mac Tools</b>	MW 225, MW 250, MW 260X, MW 270 Plus, MW 275	M169596	<b>\$142.95</b>
12' HTP Replacement Gun for <b>Mac Tools</b>	MW275N	24120	<b>\$149.95</b>
10' HTP Replacement Gun for <b>Marquette</b>	Fits 12-175, 12-185, M02160	S4320T10-15H	<b>\$134.95</b>
10' HTP Replacement Gun for <b>Marquette</b>	Fits M02155 and M02185	81295-T10	<b>\$79.95</b>
10' HTP Replacement Gun for <b>Marquette</b>	Fits M12190, M12184 and M12208	15100-12190	<b>\$134.95</b>
10' HTP Replacement Gun for <b>Marquette</b>	Fits M02170	14440413	<b>\$139.95</b>
10' HTP Replacement Gun for <b>Matco</b>	Fits WFFC, WFW1, WFW140, WFWM, WFWMDP, WFWT	S4320T10-15H	<b>\$134.95</b>
10' HTP Replacement Gun for <b>Matco</b>	MG 145, MG 180	15100	<b>\$122.00</b>
10' HTP Replacement Gun for <b>Miller</b>	Fits Cricket, Sidekick	M2010	<b>\$109.95</b>
10' HTP Replacement Gun for <b>Miller</b>	Fits Challenger, Challenger 172, Cricket XL, DVI, Passport, Passport Plus, Sidekick XL, Millermatic 90, 120, 130, 130XP, 135, 140, 140 Autoset, 175, 180, 180 Autoset	M195605-SBE	<b>\$87.95</b>
10' HTP Replacement Gun for <b>Miller</b>	Fits Millermatic 150, 185, 211 Autoset	M169589-SBE	<b>\$107.95</b>
12' HTP Replacement Gun for <b>Miller</b>	Fits Millermatic 35 s/n JA448186 and up, 200, 210, 212, 250, 250X, 251, 252, and Vintage	M169596	<b>\$142.95</b>
10' HTP Replacement Gun for <b>Snap-On</b>	Fits YA-203, YA-205, YA-205A, YA-205B, YA-217, YA-217A, YA-219, YA-219A, YA-219B, YA-219C, MW 120, MW 220	S4320T10-15H	<b>\$134.95</b>
10' HTP Replacement Gun for <b>Snap-On</b>	Fits Mig 115, 125, 135 and Blue Point MB-135	15100-12190	<b>\$134.95</b>
10' HTP Replacement Gun for <b>Snap-On</b>	Fits FM-140A, YA-204, YA-204A, YA-204B, YA-204C, YA-212, YA-212A, YA-212A-IND, MM140-SL, MM250-SL	15TG10-24	<b>\$191.00</b>
12' HTP Replacement Gun for <b>Snap-On</b>	Fits YA-240, YA-240A, and YA-240B	S4320-24/12SBE	<b>\$144.95</b>
10' HTP Replacement Gun for <b>Solar</b>	Fits Solar 2110, 2114, 2115, 2120, 2-125, 2125, 2130, 2140, 2150, 2160, 2-175, 2175	S4320T10-15H	<b>\$134.95</b>
10' HTP Replacement Gun for <b>Solar</b>	Fits Solar 165 and 2165	15100	<b>\$122.00</b>
10' HTP Replacement Gun for <b>Solar</b>	Fits Solar 2145, 2155, 2185	81295-T10	<b>\$79.95</b>
12' HTP Replacement Gun for <b>Solar</b>	Fits Solar 2225	S4320-24/12SBE	<b>\$144.95</b>

# HTP Striker Stealth Welding Helmets

**New**

## Striker Stealth helmets make you invisible to the welding arc!

**HTP introduces the Striker Stealth series of welding helmets.** Our Stealth helmets start with an ultra lightweight shell—weighs only 9 ¼ oz—made from 100% virgin DuPont Nylon.

Next, we married the shell to a fully adjustable, ratcheting headgear. The headgear can be adjusted in and out to determine how close to your face the lens sits, the headgear has a custom, easy turn ratchet that won't slip and is easy to grip with a gloved hand, and the headgear can be adjusted so it sits on your head without falling off and without being too tight.

Further, the headband features a soft, padded, replaceable sweatband on both the front and rear of the headgear, giving you an extremely comfortable fit—you'll forget you have it on! With one positive detent up position, so your helmet stays up, and three down detent positions that you can quickly lock into, you can easily look either up, straight ahead, and down with the Striker Stealth helmet. Absolutely great for welding in any position!

We worked closely with an engineering and manufacturing team, who used to work for a large American helmet manufacturer, to help develop our Stealth helmets. The Striker Stealth series is available in two different models, with both models featuring ultra advanced electronics, such as switching from light to dark in under 1/25,000 of a second. Plus, the special photo diodes (electric eyes) detect a DC TIG arc when you are welding below 5 amps—and a DC TIG Arc is the hardest arc to sense! Striker Stealth helmets are powered by CR2032 button cells for light weight and long life and feature a solar battery life extender—the batteries last up to 900 hours.

**Striker Stealth WG #90130-WG** List \$184.95 **Sale \$99.95**  
**The Stealth WG features infinite shade adjustment** from 9 to 13, infinite sensitivity, and infinite opening delay adjustment—no fixed digital adjustments here. Plus, with the weld and grind feature, you can lock the helmet into the light state for plasma cutting, oxy acetylene cutting, or grinding. This helmet provides everything the demanding professional welder needs—and we will put them up against any of the “better known” brands.  
**Get more helmet performance for less money from HTP.**

**Striker Stealth CSV #90130-CSV** List \$249.95 **Sale \$139.95**  
**Enter the top of the line: the Striker Stealth CSV—a helmet like no other.** The lens of the Striker Stealth CSV is the difference, and it will blow the doors off helmets selling for twice the price! Our patented CSV Technology (Consistent Shade Vision) virtually eliminates the shade inconsistency you will find in all of our competitor's lenses. You won't see any light areas in the corners of the lens or stripes through the lens. What you will see is a consistent, user adjustable, 9 through 13 shade throughout the entire lens. But that's just the beginning. The optical clarity of the lens is amazing, meeting the European Standard EN 379 with a 1,1,1,1 rating—THE BEST POSSIBLE overall quality rating. No one else offers this level of clarity, no one! *This standard is so tough, there isn't a comparable American standard yet, so the helmet passes ANSI (American National Standards Institute) certification with flying colors.* The Striker CSV features one of the largest lenses on the market, a whopping 2.4" x 4.0" – that's 9.6 sq in of viewing area. **Let's face it, you only have one pair of eyes, aren't they worth the best protection money can buy?**



Striker  
Stealth WG



Striker  
Stealth CSV

### Specs for Stealth Helmets

Model	Striker Stealth WG	Striker Stealth CSV
Viewing Area	2" x 3.78"	2.4" x 4.0"
Light State	3.7	3.0
Dark State (infinite)	9 to 13	9 to 13
Switching Speed	1/25,000 sec	1/25,000 sec
Sensitivity	Infinite	Infinite
Opening Delay	0.1 to 0.7 sec	0.1 to 0.7 sec
Warranty	2 years	2 years
Batteries	CR2032	CR2450
Automatic Off	Yes	Yes
Cover Plate	200020	200020
Backing Plate	200021	200023

# Striker CFB Welding Helmet #90130-CFB

List \$129.95 | **Sale \$74.95**

The Striker CFB is an extremely affordable, sharp looking addition to our Striker line-up of auto darkening helmets. The Striker CFB boasts a 1 3/4" x 3 3/4" viewing area, a full 6 1/2" square inches, which allows you to easily see what you are working on, and it darkens super fast—adjusting from light to dark in 1/25,000th of a second.

This extremely light weight helmet, weighing in at only 19 oz, has a beautiful carbon-fiber like, high gloss look, and has both the shade adjustment and light sensitivity knobs externally mounted—enabling you to easily adjust your helmet while you work. The light state of the helmet is a shade 4, and the dark state can be adjusted from shade 9 to shade 13. The shade adjustment is an important feature that allows you to set the helmet shade lighter when welding thin material in order to better see when the arc is not so bright, and it also allows you to set the helmet darker when welding heavier material. The sensitivity adjustment—another important feature—takes into account the ambient lighting and the arc brightness. You don't want to walk outside in the bright sun light and have the helmet go dark on you. Or, you don't want to try to TIG weld and have the helmet not darken, do you? That is why the sensitivity adjustment is so important.

The Striker CFB is suitable for both MIG and TIG welding and also has a plasma cutting feature. Plasma cutting does not throw off much of an arc; however, UV and IR protection is still required. With the Striker CFB, you have the ability to lock the lens in the light state, shade 4, which still offers full UV and IR protection and lets you see what you are cutting.

The Striker CFB has four sensors that draw power from the welding arc and includes two replaceable CR2450 lithium batteries, which gives you 800-1000 hours of welding time. This helmet also features a cushioned, fully adjustable headband for comfort and offers you the ability to adjust how far away the lens is from your face. This is a great full feature welding helmet, at an affordable price and backed with a 2-year warranty.



### Specifications

Part Number	90130-CFB
Viewing Area	1 3/4" x 3 3/4"
Light State	4
Dark State	9-13
Switching Speed	1/25,000 sec
Opening Delay	.25 sec., 0.5 sec., 0.8 sec.
Warranty	2 yrs.
Batteries	Solar & CR2450 Lithium
Automatic Off	Yes
Cover Plate	90130-01 <b>\$1.90</b>
Backing Plate	90130-03 <b>\$2.15</b>
Head Gear	90130-04 <b>\$18.29</b>
Sweat Band	90130-12 <b>\$6.00</b>



### Magnifiers for Welding Helmets

Our magnifying lenses come in different magnifications to match your needs, and fit all helmets which use a standard 2" x 4 1/4" lenses.

1.00 Magnifier	18100	<b>\$4.95</b>
1.50 Magnifier	18150	<b>\$4.95</b>
2.00 Magnifier	18200	<b>\$4.95</b>
2.50 Magnifier	18250	<b>\$4.95</b>



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*If you want to be removed from our mailing list call 800-USA-WELD and we will do so immediately.*

## HTP Flexible Swan Necks

**How many times have you been welding and to get into a tight spot you needed a different angle on the welding gun, or a straight swan neck instead of a bent one? The solution — the HTP Flexible Swan Neck.**

The Flexible Swan Neck allows you to bend the end of your welding gun into virtually any position, allowing you access to very tight, confined areas. You know the job; you can barely get your hand and the welding gun in there. Now, with the HTP Flexible Swan Neck you can position the swan neck so it points right where you want it. A necessity for getting up over the top of muffler pipes. Racers love it for working on roll cages. Available to fit most MIG welders on the market.

***For more information and to view our complete line of Flexible Swan Necks turn to Page 23.***

