



PT-36 Conversion for the PT-15XL

- Improve Cut Quality
- Reduce Operating Cost
- Increase Cutting Speed
- Eliminate De-ionized Water
- Simplified Consumables
- Longer Consumable Life

Precision

- High precision torch for longer consumable life and better cut quality.
- Precision close tolerance concentricity for optimum straight or bevel cutting, with highest cut quality and consumable life.
- Posi-Thread design makes it easier to install consumables, and eliminates the worry of damaged threads on electrode, electrode holder, and torch body.

Versatility

- Extremely versatile multi-gas torch, allows you to pick the combination of gases, speed, and cut quality that you want.
- Adapts to your cutting requirements – cut dry on carbon steel or use the optional water injection module for superior cut quality on carbon steel, aluminum and stainless steel.
- Practical cutting ranges – Low current cutting, conventional plasma cutting and 600 amp thick plate cutting with the same torch and the appropriate power source.
- Cuts carbon steel up to 2.5" thick with 450 Amp Oxygen Plasma
- Cuts stainless steel or aluminum up to 1.5" thick with 600 Amp Nitrogen Plasma, or up to 6" thick with 600 Amp Argon-Hydrogen (H-35).

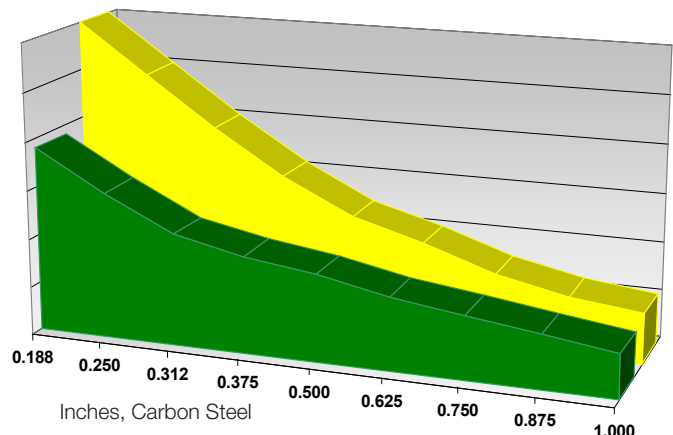
Value

- Does not require de-ionized water, reducing maintenance cost.
- Requires fewer parts to purchase and stock, lowering operating cost.
- Current capacity of 720 Amps at 100% duty cycle.
- "Speed-Loader" aids in consumable changes without the worries and leaks caused by O-rings, or the expense of spare torch bodies.
- With higher arc density, the PT-36 provides higher speed with better cut quality.
- Available Lifetime Warranty on torch body.
- Inexpensive conversion kit.



Users of the PT-15XL plasma cutting torch can now upgrade to the new PT-36 torch. The PT-36 is a versatile torch that lowers operating cost and delivers improved performance. It can be used with a variety of gas combinations and can be configured for use in a wet or dry mode to suit your specific cutting application. Use it dry for cutting carbon steel or use the water injection capability for superior cuts on stainless and aluminum.

The PT-36 helps reduce operating costs for today's cost conscious customers. Since the PT-36 does not require de-ionized water, converting from the PT-15XL could save as much as \$10,000 a year per torch station. In addition, the new PT-36 design requires fewer consumables and they cost less than comparable PT-15XL parts.



The PT-36 achieves cutting speeds up to 70% faster than the PT-15.

PT-36 Torch

Fewer Parts - Easier Maintenance

The PT-36 requires fewer parts to purchase and stock.



- A total of 22 consumable parts cover its full cutting range. With only 2 electrodes, 8 nozzles, 2 diffusers, 2 baffles, and 3 shields, you can cut from 1/8 up to 2.5 inch thick carbon steel, stainless, or aluminum
- Fewer parts allows for fast and easy change-outs. With the SpeedLoader it takes only seconds
- Fewer parts mean easier purchasing, easier stock maintenance, less inventory, and a lower cost of operation.

Plasma Beveling

- No "special" beveling consumables are necessary.
- The torch body and consumables are designed with high accuracy and concentricity for more consistent bevel angles and part size.
- The PT-36 is much more robust, with heavier, thicker nozzles, cups, shields, and retainers, the PT-36 holds up better in demanding beveling applications.
- Long, pointed nozzle keeps the front end closer to the plate when beveling, for shorter arc length, better arc control, and more accurate cutting.

SpeedLoader



The special SpeedLoader fixture allows pre-assembly of the nozzle, nozzle retainer, diffuser, shield, and shield retainer. The operator can swap out pre-assembled consumable sets quickly and easily, minimizing down-time for consumable replacement or changeover. The SpeedLoader requires no expensive torch bodies and does not break any of the fluid connections when swapping parts - eliminating the risk of o-ring damage or leaks.

Posi-Threads



Unique "Posi-Thread" design puts more metal on the outer threads, preventing damage from over-tightening. These special coarse threads on the electrode, holder, and torch allow easier consumable changes.

Water Injection Plasma

The PT-36 is capable of both dry (dual-gas) or wet (water injection) cutting. Water Injection produces superior cuts on stainless and aluminum at reduced cost when compared to Argon-Hydrogen cutting.



Specifications are subject to change without notice. Please contact ESAB Cutting Systems for the most current specifications, numerical control, and available equipment.

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