

m³ plasmaTM **PT-36 XR Series Nozzles**

EXTENDED RANGE PLASMA PERFORMANCE



New XR Series Nozzles

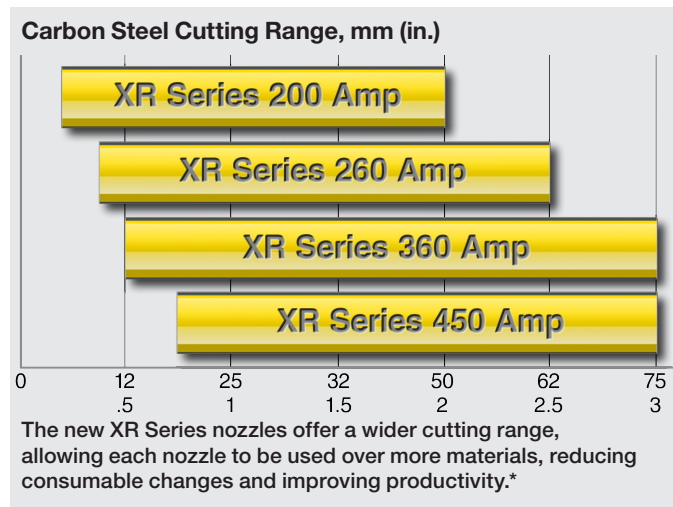
for the PT-36 Precision Plasmarc® Torch.

ESAB continues to advance Precision Plasma Technology

ESAB introduces the new XR Series of high speed plasma cutting nozzles for the PT-36 torch. The innovative nozzle design improves overall cutting performance by increasing cutting speed and extending the dross-free cutting range. The result is lower overall operating costs as you cut the same parts faster, or with lower current. Piercing performance is also enhanced, allowing thicker plate to be cut more reliably.

Extended Dross-Free Range

Advanced nozzle design allows each of the new XR Series nozzles to cut through a wider range of materials. This means that existing systems can now cut thicker with less power. The wide cutting range also means fewer consumable changes, so the operator spends more time cutting and less time changing nozzles. Throughout each nozzle's cutting range the cut quality and dross performance are improved, reducing secondary operations and clean-up work.



Lower Operating Cost

Better cooling equals longer consumable life. The new XR Series nozzles feature improved cooling which translates to longer consumable life. The extended water cooling surface is closer to the nozzle tip, so the nozzles run cooler and last longer.

Improved Piercing Performance

The XR Series nozzles use a new Nickel plated shield retainer and shields to help shed pierce spatter and resist front-end damage when piercing thicker plate. The new XR Series shields are thicker and heavier to hold up better under the most challenging conditions. The improved nozzle cooling also helps extend nozzle life when piercing thicker material. XR Nozzles can cut up to 80% thicker with the same current.*



The new XR Series includes four nozzles and two shields, and is designed to work exclusively with the new TL Oxygen Electrode.

The XR Series Nozzles feature an extended cooling surface and thicker cross-section for better heat transfer and longer nozzle life. The new XR Series Nozzles are designed to be used with the new TL Oxygen Electrode. This new electrode delivers more consistent cutting angles by reducing turbulence in the plasma stream. Electrode cooling efficiency has also been optimized, so one new oxygen plasma electrode is used throughout the entire range of XR nozzles, as well as many other oxygen plasma setups.

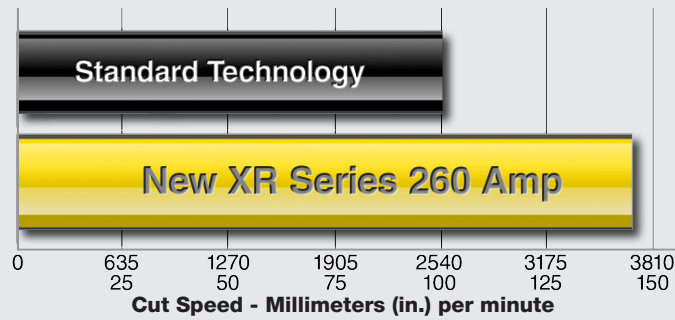


The new TL Oxygen Electrode.

* Piercing not recommended above 31 mm (1.25 in.) at 200 Amps. Piercing not recommended above 38 mm (1.5 in.) at 260 Amps. Piercing not recommended above 50 mm (2 in.) at 360 or 450 Amps.

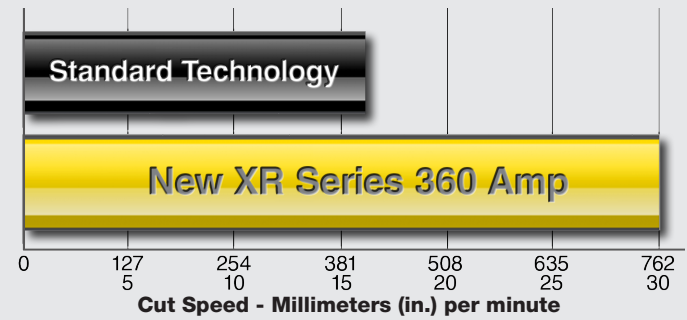
Faster Cutting Speeds

12 mm (1/2 in.) Carbon Steel, mm (in.)



The new 260 Amp XR Series nozzle can cut up to 45% faster than conventional nozzles.

50 mm (2 in.) Carbon Steel, mm (in.)



The new 360 Amp XR nozzle achieves speeds over 80% faster than conventional nozzles.

Precision

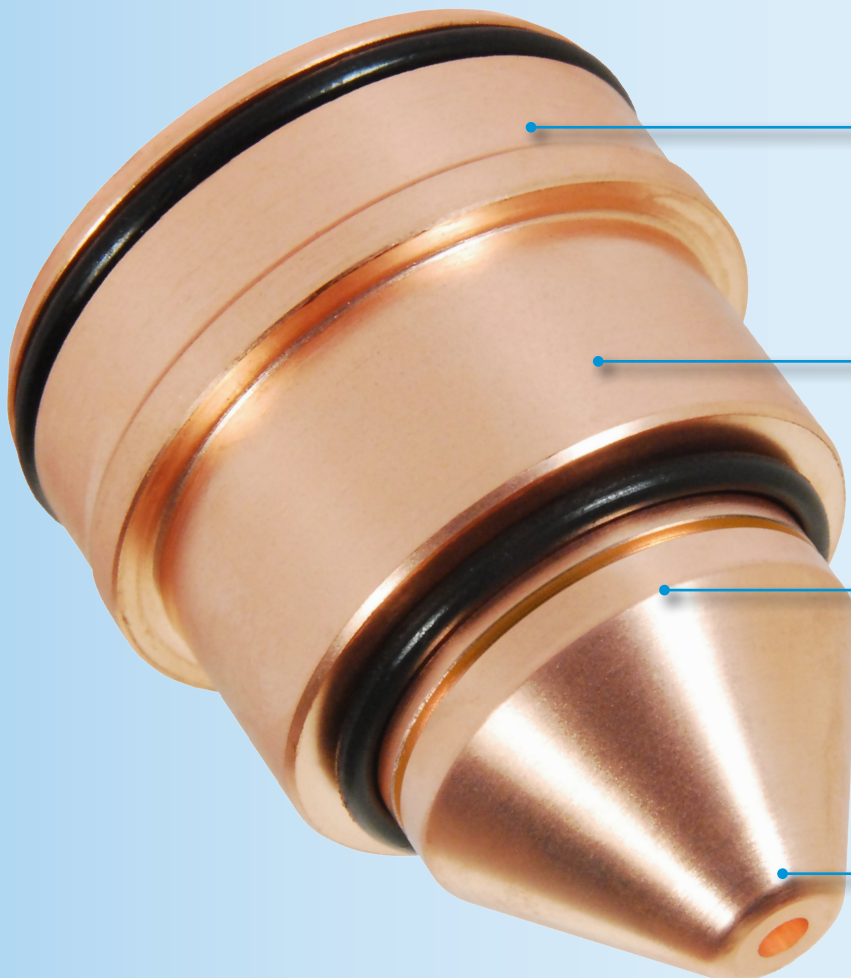
- The PT-36 Precision Plasmarc® torch offers high-arc density cutting for the most accurate plasma cutting.
- The new XR Series nozzles improve cutting speed and extends the dross-free cutting range, providing better cut quality on a wider range of materials.

Versatility

- The PT-36 is the most versatile torch, allowing multi-gas, water injection, precision thin plate, and heavy-duty thick plate cutting, and plasma marking.
- The new XR Series of nozzles increase the capabilities of the PT-36, so you can cut thicker and faster on applications.

Value

- The XR Series nozzle extend the cutting thickness range at each current setting, so you can cut thicker with less power.
- Higher cut speed and improved cut quality mean lower operating cost, reducing the overall cost-per-part.



Extended Cooling Surface
Enhances Nozzle Life

Thicker Cross Section
Improves Heat Dissipation

Precision Machining Ensures
Highest Quality Plasma Parts

Innovative Nozzle Design Extends
Dross-Free Cutting Range



ESAB Cutting Systems

Productivity - Service - Reliability



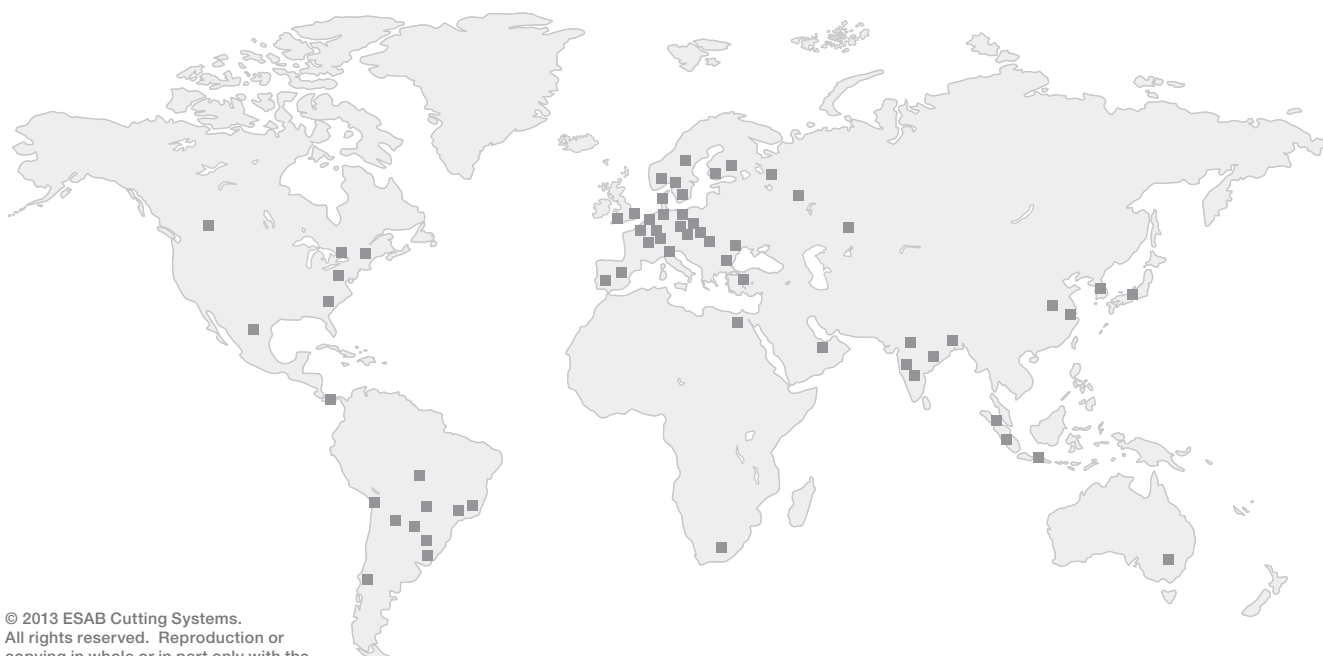
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