



PRAXAIR'S STARGON® SS BLEND:
THE UNIVERSAL BLEND FOR
ECONOMICAL, CONVENIENT
STAINLESS STEEL WELDING

Start With Improved Welding Performance

Praxair's *Stargon*® SS blend does more than deliver high-quality welds for stainless steel under the most challenging conditions. Our precise formulation for top-quality welding meets the demands of your specific stainless steel Gas Metal Arc Welding (GMAW) application. In addition, customers with multiple GMAW process variations can use the *Stargon* SS blend for short circuiting, globular, spray or pulsed arc transfer.

Quality And Consistency — Start To Finish

Praxair's argon-based *Stargon* SS blend offers consistency at every pressure, throughout your application process. That means you can use all the gas delivered, there's no residual gas waste from stratification and you'll reduce costs. Consistency results from our *Starblend*™ mixing system, designed specifically for argon-based blends that use carbon dioxide. Empty cylinders are completely evacuated and purged before they're filled using our patented educator tube blending system.



A Plus For Many Processes

Praxair's *Stargon* SS blend benefits anyone who welds stainless steel as well as manufacturers who:

- Pulse-spray weld dump truck bodies, (excellent appearance, minimum spatter, little post-weld clean-up)
- Join thin-gauge stainless steel for food service use
- Produce duplex stainless steel pipe and other alloys for chemical use

The Results Are In

Users of *Stargon* SS blend report it:

- Reduces spatter and fume
- Eliminates residual slag
- Increases welder productivity
- Decreases overwelding and increases travel speeds compared to other commonly used blends
- Produces good weld metal bead shape
- Offers excellent weld mechanical properties

An Excellent Foundation

Along with Praxair's *Stargon* SS blend, you're selecting:

- Consistent, dependable Praxair service and technical expertise
- The support of nearly a century of experience



As a leader in shielding gases technology, Praxair has the expertise to help you:

- Solve the most complex welding challenges
- Improve welding performance
- Boost productivity
- Increase profits

Stargon SS

The Praxair Difference

■ Full, Top-Quality Product Line

One source provides all the pure gases and mixtures you need, along with welding and cutting machines, filler metals, gas apparatus, hand and power tools, and safety equipment.

■ Application-Based Solutions With Praxair's StarSolver® Productivity Enhancement Program

Our teams combine research, development and testing with Praxair's StarSolver® Productivity Enhancement Program to increase productivity, improve product quality and lower your overall costs.

■ Praxair's StarDirectSM World-Class Distribution System

Over 500,000 square feet of warehouse space in strategically located distribution centers makes Praxair's StarDirectSM distribution system uniquely capable of offering customer service at its best. You'll also find:

- Over 30,000 in-stock items from the top 200-plus manufacturers
- Order processing/tracking that's instant and accurate
- Totally automated warehouse management
- Extended operating hours

■ The Metal Fabricator's Choice: Praxair's Exclusive PROSTAR® Brand High-Quality Premium Products

Enjoy the convenience of a broad product range and top manufacturers. Choose from filler metals and gas apparatus, to safety equipment, welding accessories and consumables.

■ Praxair's ExpressSM Extranet Opens A Window To Business Opportunity

Using Praxair's ExpressSM Extranet can improve your business productivity and help you keep pace with today's demanding business marketplace.

Choose From Praxair's Star™ Gases And Blends

Rely on the most advanced shielding gases available — Praxair Star™ gases and blends. They are ideally suited to the most challenging Gas Metal Arc Welding (GMAW or MIG/MAG), Gas Tungsten Arc Welding (GTAW or TIG), Flux-Cored Arc Welding (FCAW), Plasma (PAC, PAG, PAW), Robotic and Laser applications.

- Praxair's StarGold™ Blends — Argon-based blends for general fabrication of mild steel.
- Praxair's Stargon® CS and SS Blends — The standard for versatile high-speed welding of mild steel (CS) and stainless steel (SS).
- Praxair's Mig Mix Gold™ Blend — High-productivity mild steel welding.
- Praxair's HeliStar® Blends — Helium-enhanced blends for increased productivity on stainless steel, aluminum, copper and some carbon steel welding applications.
- Praxair's HydroStar® Blends — Hydrogen-enhanced blends for increased productivity during GTAW, plasma welding, gouging and cutting of stainless steel.
- Praxair's RoboStar™ CS, AL and SS Blends — Shielding gas blends for robotic welding of carbon steel (CS), aluminum (AL) and stainless steel (SS).
- Praxair's LaserStar™ Blends — Enhanced quality and purity to meet demanding laser needs.



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