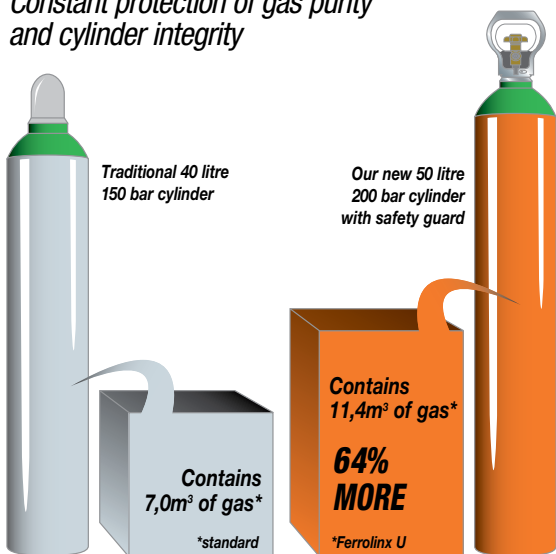


Linx® gases are available in our new high volume cylinders. We pack more than 60% extra gas into each cylinder using 200bar technology. And each cylinder is fitted with:-

- *An ergonomic valve guard*
- *Our special Linx purity valve*

These new cylinders not only give you more gas, they also give improved safety; reduced costs and greater peace of mind through:-

- *Fewer cylinder changeovers*
- *Less frequent gas deliveries*
- *Reduced cylinder stock*
- *Cylinder valve safe-guarded, even when cylinder in use*
- *Greater security & stability when handling cylinders*
- *No charges for replacing lost cylinder caps*
- *Constant protection of gas purity and cylinder integrity*



¹For standard versus Ferrolinx U (80% ar/20% CO₂ shielding gas mixture)

²Gas volumes at 15°C and 1013.2mbar

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Linx[®] gases
the next generation
of welding gases

- *Improved Quality*
- *Increased Productivity*
- *Enhanced Safety*

Whatever you're welding, you always need one type of gas – the best.

Specially developed for superior performance, Air Products' Linx® welding gases offer significant improvements in weld quality and productivity. Already used by leading fabricators throughout the world, Linx® gases also offer proven reductions in manufacturing costs.

Carbon & Alloy Steels	Stainless Steel	Aluminium & Alloys
Ferrolinx U the only gas you need for carbon steel MAG	Inolinx MAG the best gas for MAG stainless	Alulinx the best gas for all aluminium welding
Ferrolinx C the thin steel specialist	Inolinx TIG the brilliant high speed performer	

Productivity without compromise

Linx® gases are designed to protect people at work, by generating low levels of fume and ozone.



Up to 37% reduction in welding fume vs conventional shielding gases*



Average fume emission rate (mg/s) for manual MAG welding of carbon steel plate, spray transfer.

Up to 30% reduction in ozone exposure vs conventional shielding gases*



Average ozone exposure (ppm) for manual MAG welding of 3mm thick stainless steel, spray transfer.

*All fume and ozone measurements carried out by TWI, the worlds leading independent welding research association.

Ferrolinx Gases

Purpose-designed for MAG welding carbon, carbon manganese and low-alloy steels, Ferrolinx gases give superb weld quality and excellent penetration together with minimal spatter and low fume levels.

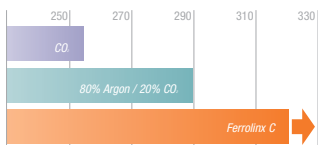
Ferrolinx U

APPLICATIONS RANGE

Process	MAG - Manual, mechanised & robotic
Material	Any thickness and coated steels
Consumables	Solid wire, metal cored, flux cored

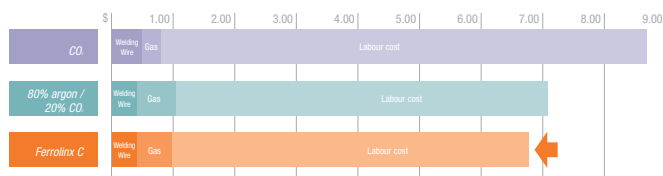
- Extremely easy to use, stable arc conditions, tolerant to variations in weld parameters and base material surface finish giving minimal rejects and low manufacturing costs.
- Very low spatter generation, reducing clean-up time and costs.
- Excellent mechanical properties with low porosity levels giving optimal product quality.
- Up to 23% faster than conventional shielding gases giving high productivity and low manufacturing costs.
- Up to 37% lower fume emission rates than conventional shielding gases.

Up to 26% speed increase over conventional shielding gases



Average weld speed (mm/min) for manual MAG welding of 3mm thick carbon steel plate, dip transfer.

Up to 16% cost savings - improved performance at reduced cost



TOTAL COST - 300mm long PB MAG 135 fillet weld in 6mm thick carbon steel plate
 Cost calculation based on: skilled MIG welder = 34.00 \$/hour; steel MIG wire (0.8mm) = 4.00 \$/kg; electricity = 0.28 \$/kWh



PA MAG (135) single sided butt weld in 3mm thick carbon steel using Ferrolinx U.

Ferrolinx C

APPLICATIONS RANGE

Process	MAG - Manual, mechanised & robotic
Material	Up to 10mm
Consumables	Solid wire

- Ultra low spatter generation and excellent arc control give superb weld quality and minimal product distortion.
- Smooth, flat, oxide free welds requiring virtually no post weld cleaning.
- Up to 26% faster than conventional shielding gases giving high productivity and low manufacturing costs.
- Up to 57% lower fume emission rate than conventional shielding gases.

Inolinx Gases

The Inolinx gases have been developed to give optimum weld quality and ease of use when working with stainless steels. The Inolinx gases guarantee a high-grade surface finish with low reject rates and superb environmental performance.

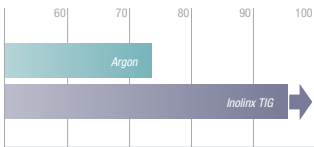
Inolinx MAG

APPLICATIONS RANGE

Process	MAG - Manual, mechanised & robotic
Material	Any thickness
Consumables	Solid wire

- Carefully balanced gas formulation containing closely controlled CO₂ and H₂ mix components. Gives unique, brilliant shiny weld with smooth, flat surface profile.
- Superb weld penetration profile giving excellent fusion and ultra low reject levels.
- Up to 15% faster than conventional shielding gases giving high productivity and low manufacturing costs.
- Up to 30% lower ozone exposure than conventional shielding gases.

Up to 30% speed increase over conventional shielding gases



Average weld speed (mm/min) for TIG welding of 3mm austenitic stainless steel.



PB TIG (135) fillet in 3mm austenitic stainless steel using Inolinx TIG.

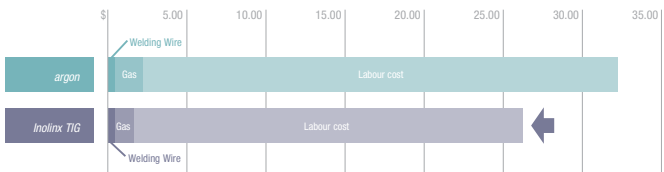
Inolinx TIG

APPLICATIONS RANGE

Process	TIG - Manual, mechanised & robotic
Material	Any thickness
Consumables	Autogenous & with filler wire (all types)

- Superb weld quality, brilliant, shiny weld finish with smooth flat surface profile.
- Controlled hydrogen additions give ultra high speed TIG welding, suitable for manual and robotic use.
- Up to 30% faster than argon giving high productivity and low manufacturing costs.
- Low fume emission rates and ultra low ozone exposure levels.

Up to 18% cost savings and a brighter, cleaner weld



TOTAL COST - 150mm long PB TIG 135 fillet weld in 3mm thick austenitic stainless steel plate
 Cost calculation based on: skilled TIG welder = 34.00 \$/hour; stainless steel TIG wire (1.6mm) = 29.00 \$/kg; electricity = 0.28 \$/kWh