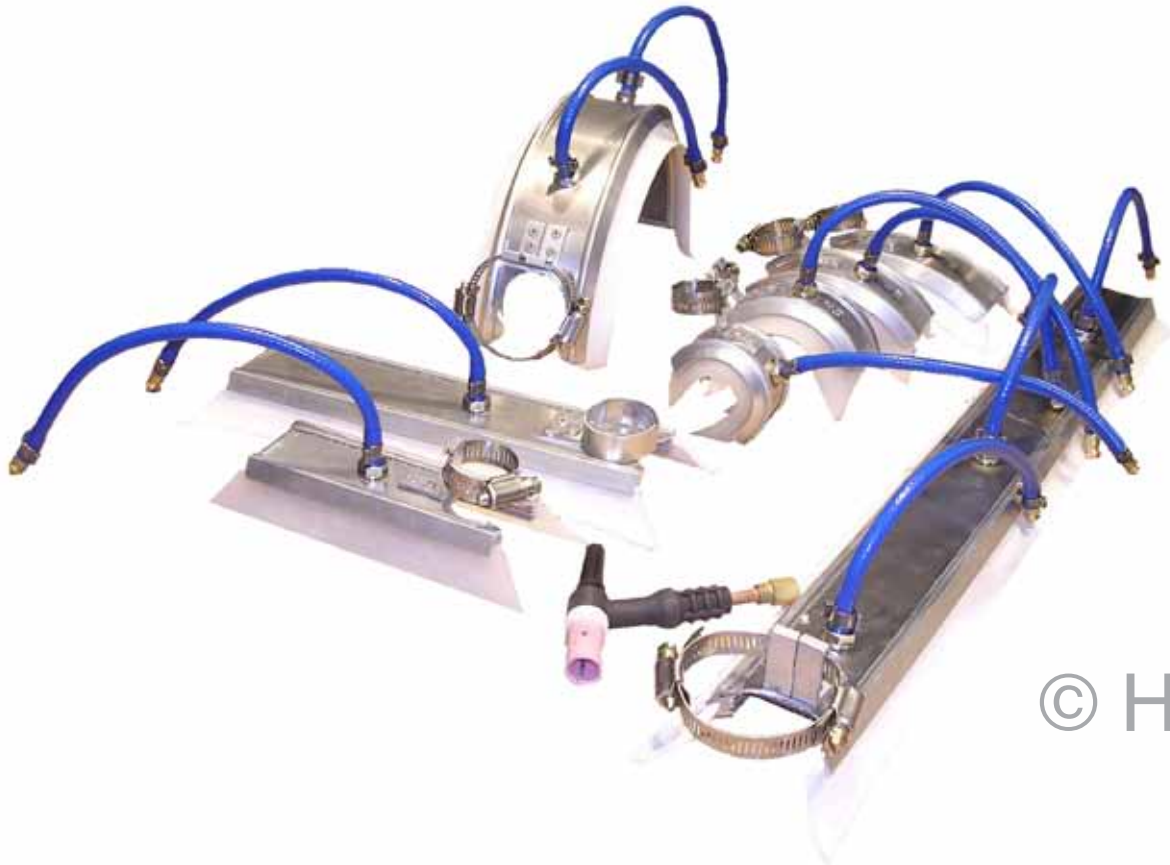


Argweld[®] Trailing Shields[®]

for Titanium and Stainless Steel Welding



© HFT[®]

It comes as a surprise to many that inert gas is probably the highest cost consumable in welding, second only to the cost of filler wire. More important than, that control is exercised when inert gas is used in weld purging.

The most efficient purge systems minimise the use of inert gas. HFT[®] Trailing Shield[®] system design is such that gas used is carefully controlled. There is virtually no loss due to leakage and turbulence.

Argweld[®] **Trailing Shields[®]** are designed for high quality gas coverage of titanium and stainless steel during welding to prevent oxidation and weld defects.

They will fit any make of TIG (GTAW) or plasma (PAW) welding torch for manual or automatic welding, on flat sheet or plate and the outsides or insides of tubes or pipes.

For pipes and vessels the radiused versions for welding from the outside are manufactured to suit all diameters from 1 inch and upwards.

For welding pipes and vessels on the inside, the internally radiused shields are manufactured to suit diameters from 4" upwards.

By using an Argweld[®] Trailing Shield[®] welds will be left bright and shiny and eliminate discolouration and oxidation.

The gasket is resistant to temperatures up to 230°C.

Argweld[®] Trailing Shields[®] will reduce gas consumption, save re-work and eliminate wasted material costs due to oxidation and weld defects.

Argweld[®] Trailing Shields[®] can be used for welding stainless steels, duplexes as well as titanium and zirconium and any other weldable metal where discolouration or oxidation needs to be eliminated.

User Quotes:

"Easier to use than you would think".

"The best advantage is that it keeps the weld torch 90° to the weld pool".

The radiused models are provided to suit the exact diameter of pipe or vessel being welded.

ARGWELD® TRAILING SHIELDS® for AUTOMATIC WELDING TORCHES



Huntingdon Fusion Techniques HFT®, manufactures Trailing Shields® for Automatic TIG (GTAW) and plasma (PAW) welding applications, as well as for manual welding torches.

The Trailing Shields® for automatic welding applications are longer and wider than those for manual welding. They have additional gas hoses for extra gas shielding necessary for the faster welding speeds encountered with automatic welding techniques.

Special widths and lengths are available on request.



The picture above shows a typical radiused Trailing Shield® for the internal manual welding of pipes and vessels on the left.

The channels in which the replaceable silicone gasket are located, can be clearly seen.

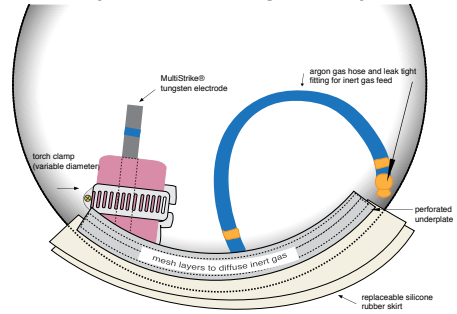
On the right is a Trailing Shield® for an automatic welding torch to weld outside diameters of pipes and vessels, showing the multiple shield gas hoses.

All shield gas hoses are fitted with non return valves so that the gas supply is isolated as soon as the trailing shields are unplugged from the gas supply.

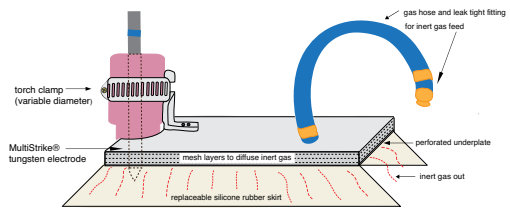
The silicone rubber gaskets, wear, burn and become brittle during use (you will need to replace the gaskets from time to time). They are available either prefabricated to length or as continuous strips, available by the metre length. These are regarded as a consumable.

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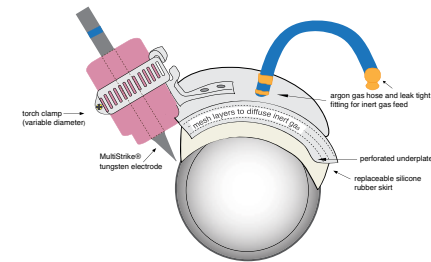
TYPICAL I.D. RADIUS TRAILING SHIELD® APPLICATION (from 4" i.d. upwards)



TYPICAL FLAT TRAILING SHIELD® APPLICATION



TYPICAL O.D. RADIUS TRAILING SHIELD® APPLICATION (from 1" o.d. upwards)



© HFT®

New 1.6 inch (40 mm) long Trailing Shield®.

HUNTINGDON FUSION TECHNIQUES HFT

Other HFT® Weld Purging Products

- Argweld® Inflatable Tube Pipe & Pipeline Weld Purging Systems
- Argweld® PurgEye® Weld Purge Monitors®
- Argweld® Weld Purge Film® & Weld Purge Super Adhesive®
- Argweld® Weld Backing Tape™ & Weld Purge Tape™
- Argweld® Weld Trailing Shields®
- Argweld® Flexible Welding Enclosures®
- Argweld® Weld Purge Plugs™ & Orbital Welding Plugs
- Techweld® MultiStrike® Tungsten Electrodes

Our HFT Pipestoppers® Division

Nylon, Aluminium, Steel and Rubber Pipe Plugs and Inflatable Stoppers

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