

# Argweld<sup>®</sup>

# Trailing Shields<sup>®</sup>

for Titanium and Stainless Steel Welding



## Frequently Asked Questions

### 1. What are the benefits of using an Argweld<sup>®</sup> Weld Trailing Shields<sup>®</sup>?

There are several reasons, some of which are:

- The chance of a weld defect is dramatically reduced due to the wide gas coverage held over the weld for a longer period during welding, while the heated metal is cooling below the oxidation temperature.
- Welds are finished in a bright and shiny condition, minimising or eliminating post weld grinding and cleaning.
- The heat affected zones of a weld are left clean when using an Argweld<sup>®</sup> **Weld Trailing Shields<sup>®</sup>** because of the extra wide gas coverage.
- Welders can weld faster because of the extra time that the weld remains covered with inert gas when using an Argweld<sup>®</sup> **Weld Trailing Shields<sup>®</sup>**.
- Significant reduction of manufacturing costs due to the reduction of post weld cleaning and the reduction of defects when using an Argweld<sup>®</sup> **Weld Trailing Shields<sup>®</sup>**.

### 2. Can I use Argweld<sup>®</sup> Weld Trailing Shields<sup>®</sup> for stainless steel as well as titanium?

Yes, Argweld<sup>®</sup> **Weld Trailing Shields<sup>®</sup>** are valuable accessories for all stainless steel, duplex steel and other alloy steel as well as titanium and all of the nickel and cobalt alloys.

### 3. Can I buy an Argweld<sup>®</sup> Weld Trailing Shields<sup>®</sup> which is longer or wider?

Yes, Argweld<sup>®</sup> **Weld Trailing Shields<sup>®</sup>** are designed for two methods of use:

- For manual welding where they are light in weight and easy to manipulate by the manual welder when he has an Argweld<sup>®</sup> **Weld Trailing Shields<sup>®</sup>** attached to his welding torch.

- For automatic welding machines.

For automatic welding machines, where weight and size is less of a concern, Argweld<sup>®</sup> **Weld Trailing Shields<sup>®</sup>** are available in longer and wider dimensions to allow for much faster welding speeds and much hotter welds where greater gas coverage is necessary for obtaining clean defect free welds.

### 4. Can Argweld<sup>®</sup> Weld Trailing Shields<sup>®</sup> be used on any welding torch?

Argweld<sup>®</sup> **Weld Trailing Shields<sup>®</sup>** are designed and delivered with a universal worm drive circular clip that will open and close around any shield gas nozzle on any TIG (GTAW), MIG (GMAW) or Plasma (PAW) manual or machine torch.

### 5. Can I weld flat sheet and plate with Argweld<sup>®</sup> Trailing Shields<sup>®</sup>?

Yes, one of the the Argweld<sup>®</sup> products is flat **Weld Trailing Shields<sup>®</sup>** which is available as an accessory for manual welding torches and another flat version for machine mounted welding torches.

### 6. Can I weld on the outside of pipes and vessels with Argweld<sup>®</sup> Weld Trailing Shields<sup>®</sup>?

Yes, Argweld<sup>®</sup> **Weld Trailing Shields<sup>®</sup>** are kept in stock for most popular sizes of pipes and vessels. Simply tell us the diameter of your pipe or vessel and we will provide an exact match.

### 7. Can I weld on the inside of pipes and vessels with Argweld<sup>®</sup> Weld Trailing Shields<sup>®</sup>?

Yes, for those people making welds on the insides of pipes and vessels we manufacture the Argweld<sup>®</sup> **Weld Trailing Shields<sup>®</sup>** with a radius to suit the exact diameter of the weld being made.

### 8. What are the side shield gaskets made of and what temperature will they withstand?

The side shield gaskets are made of silicon rubber which is temperature resistant up to 230°C. These are low cost, consumable items and once burnt, can be replaced.

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