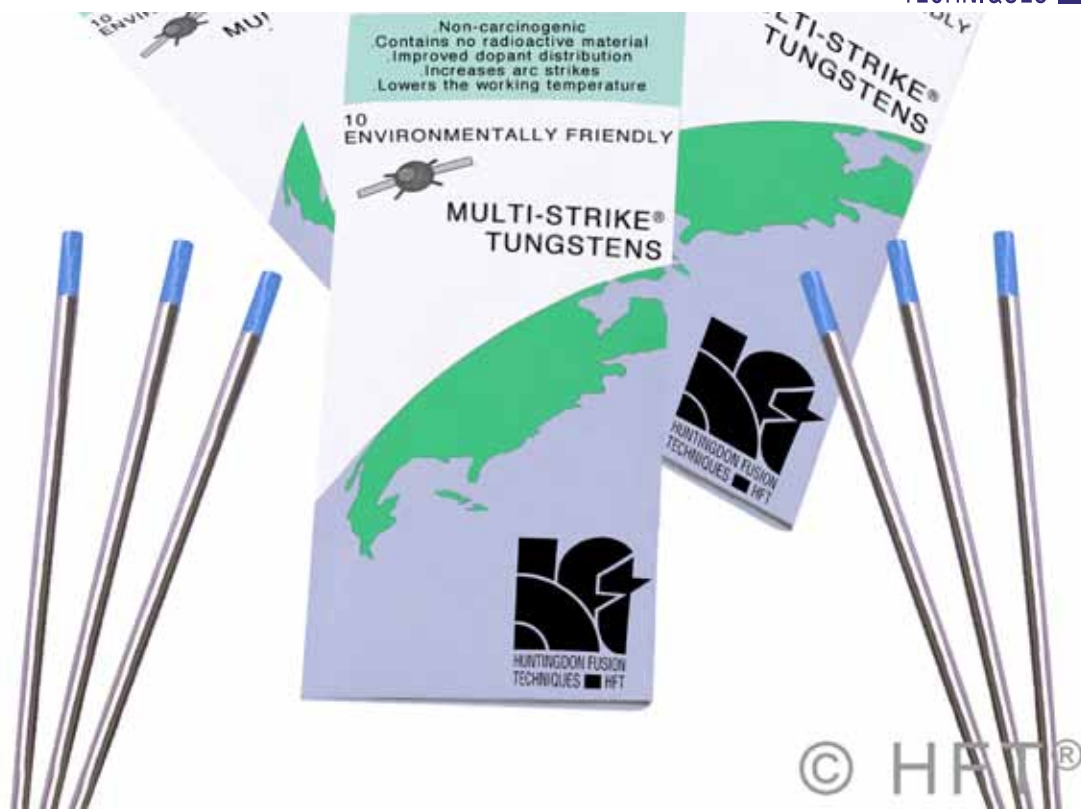


Techweld® MultiStrike® TUNGSTEN ELECTRODES



Techweld® **MultiStrike® Tungsten Electrodes** have been developed with the Health and Safety of the end user in mind.

MultiStrike® Tungsten Electrodes will give you up to 10 times the performance of 2% thoriated electrodes under identical conditions.

MultiStrike® Tungsten Electrodes lower the working temperature giving cooler welds.

The number of arc strikes is increased before regrinding is needed.

MultiStrike® Tungsten Electrodes represent the highest quality, totally traceable, longest lasting and are the most reliable tungsten electrodes on the market allowing welding of steels and alloys with DC as well as aluminium with AC techniques giving narrower, lower heat input welds.

The carefully balanced mix of non-radiotoxic dopants used in Techweld® **MultiStrike® Tungsten Electrodes** produces a 10 times greater performance than conventional thoriated tungsten electrodes and provide a stable performance over the current range from 0 to 300 Amps.

Main Features

For improved TIG welding of steels, aluminium and their alloys:

- Increased number of arc strikes before reshaping is necessary.
- Contains no radioactive material, non-radiotoxic.
- Non thoriated, eliminates carcinogenic thoria.
- Non carcinogenic.
- Improved dopant distribution.
- Lowers the working temperature giving cooler welds.
- Special packaging gives guarantee of quality and traceability.
- Traceability with every tungsten.
- AC & DC welding.

MultiStrike® Tungsten Electrodes are totally traceable tungsten electrodes identified by a batch number and shown on our special packaging.

Immediate delivery is available for **MultiStrike® Tungsten Electrodes**.

Repeatable Weld Strikes Everytime!



2% Thoriated Tungsten
after 20 automatic welds



MultiStrike® Tungsten
after 200+ welds

NO RADIOACTIVE ELEMENTS

Unlike tungsten-thoria, **MultiStrike® Tungsten Electrodes** contain no radioactive element. Where health and safety authorities or others are concerned about the radioactive or carcinogenic effects of thoria, **MultiStrike® Tungsten Electrodes** are a high quality alternative.

WORK FUNCTION and SOME SPECIFIC BACKGROUND and SCIENCE

The work function of a metal or alloy is the energy needed to remove an electron from fermi level in the material to a point at an infinite distance outside the surface.

This is relevant to TIG welding since the lower the work function of an electrode, the lower the voltage necessary to strike an arc.

The work function of tungsten is 4.35 ev. Therefore, the addition of a stable metal oxide with a work function lower than pure tungsten, lowers the work function of the tungsten.

Thorium's work function is 3.4 ev.

The special blend of dopants in **MultiStrike® Tungsten Electrodes** has a work function of 2.9 ev.

Huntingdon Fusion Techniques HFT®'s special blend of dopants along with its stringent in-house production specification ensure that the dopant is distributed evenly through the Techweld® **MultiStrike® Tungsten Electrodes** maintaining an even performance from start to finish.

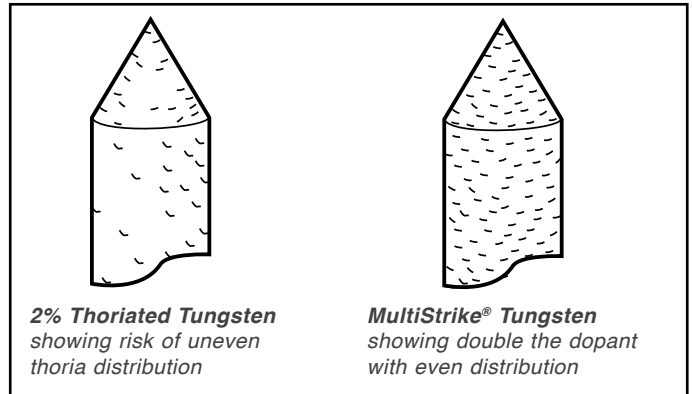
TWICE THE STRIKING POWER

Because of growing concerns of potential hazards of ingestion of radioactive dust, **MultiStrike® Tungsten Electrodes** contain a rare earth dopant to replace thoria and eliminate the radioactive content.

The unique dopant content has only half the density of Thoria, so with the 2% of our dopant, there is twice as much striking power because of the improved distribution of the dopant itself.

Furthermore, our special electrodes give good welding results from low to high current levels.

MultiStrikes® can be used on aluminium and its alloys as well as steels.



SPECIAL PACKAGING GUARANTEES QUALITY WITH EACH BATCH CONTROL

MultiStrike® Tungsten Electrodes always originate from the identical source, giving the user a guarantee of product quality, reliability, repeatability, consistency and traceability.

Each pack of 10 is supplied in special packaging which is your guarantee every time of quality and traceability.



HUNTINGDON FUSION
TECHNIQUES ■ HFT

Our Product Range:

Argweld® Inflatable Pipe Weld Purge Systems
Argweld® PurgEye® Weld Purge Monitors® (Models 100 to 1000)
Argweld® Water Soluble Weld Purge Film and Weld Purge Super Adhesive™
Argweld® Weld Trailing Shields®
Argweld® Weld Backing Tape™ & Weld Purge Tape™
Argweld® Flexible Welding Enclosures®
Argweld® Weld Purging Plugs™ & Orbital Welding Plugs
Techweld® MultiStrike® Tungsten Electrodes

HFT Pipestoppers® Division:

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