Tig & Gas Rods | Safra 4047 Tig

Key Facts

- Premium 10% si double shaved tig/oxy wire
- Very low oxide levels resulting in superior welds
- Can be used as a substitute for 4043 wires to increase silicon in the weld metal, minimize hot cracking and produce higher fillet weld shear strength

Description

An aluminium alloy rod containing 10% silicon to produce higher weld sheer strength and minimise hot cracking. The slightly lower melting point and higher fluidity of 4047 make it ideal for brazing operations.

Classifications, Approvals & Conformances

A5.10 ER4047

Applications

Used to braze aluminium alloy sheets, extruded shapes and castings. Suitable to use when welding aluminium structures, for example aircraft, vehicles, boats and aluminium alloy furniture.

- Oxy and tig applications
- Automotive repairs
- Aluminium extrusions
- Heat exchangers
- Excellent maintenance wire

Recommended Shielding Gas

100% Argon Argon / Helium Mixtures Flow Rate: 30 - 50 CFH

Welding Positions

All positions

Typical Wire Analysis

Cu - Copper	Mn - Manganese	Si - Silicon	Others
< 0.30	< 0.15	11.0 – 13.0	< 0.15
Zn - Zinc	**Fe – Iron**	**Mg - Magnesium**	**Ai - Aluminium**
< 0.20	< 0.80	< 0.10	Balance

Typical Weld Mechanical Properties

Yield Strength:	60 MPa
Tensile Strength:	130 MPa
Elongation:	5%

Packaging & Ordering Information

Size	Packet	Part Number
2.4mm	5kg	300030
3.2mm	5kg	300031
4.8mm	5kg	300032

Disclaimer: The above information is provided as a guide; actual welding current and voltage will depend on the welding machine characteristics, which will vary from model to model. Other variables include run length and size, plate thickness, operator technique and gas type (if used). The user must evaluate the process, application and recommended professional advice. Under no circumstance will Dynaweld or its affiliates be liable for misuse or application of products this is entirely up to the user's ability.