

AI-0250T

Specifications

AS/NZS 1553.3 : ER312-16

AWS/ASME A5.4 : ER312-16

Description and Applications

AI-0250T is stainless type of TIG wire especially developed for use on dissimilar steels, hard to weld steels (e.g. tool steels, spring steels, armor plate and wear plate), unknown steels and for buffer layers under surfacing alloys.

AI-0250T provides ultra-smooth, very low amperage, porosity free weld in most positions. It has high crack resistivity.

Applications include tools, dies, springs, gears, frames, cast steel components, and areas requiring heat and corrosion resistance.

Typical Weldmetal Analysis

C	Mc	Cr	Fe	Ni	Si
<0.1	1	29.5	Bal	9.5	0.9

Mechanical Properties of Weldmetal

	As Welded
Tensile Strength	820 MPa
Yield Strength (0.2%)	690 MPa
Elongation	22% (4d)
Microstructure	Austenite + Ferrite
Shielding Gas	100 % Argon

Diameter / Packaging

Diameter (mm)	Current type	Shielding Gas
1.6 x 1000	DC (-)	I 1
2.4 x 1000	DC (-)	I 1

Also available as Electrode: **AI-0250**

Disclaimer

All figures in this datasheet should be considered indicative only. No guarantee is made as to their accuracy.

All figures subject to change without notice. Batch analysis is available for all products sold. Should you require any further information, please contact us at sales@alloysint.com.au



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