



# ER 70S-2 (A15)

Mild Steel WIRE/GTAW



## Standards

EN/ISO-Standard - 636-A

EN/ISO-Classification - W 2Ti

AWS-Standard - A5.18

AWS-Classification - ER 70S-2

## Features and Applications

- Micro-alloyed steel, triple de-oxidised (Ti, Al, Zr) suitable for the welding of C-Mn and low-alloy steels.
- Ideal for use on greasy and oxidised surfaces subsequent to any coating processes. (i.e. galvanised steel)
- Works well at low temperatures.
- Typically used on tanks, containers, car industry, structural work, household appliances, pipelines, boilers, naval & petrochemical sectors etc.
- Green wire is produced using virgin raw materials sourced from specialised steel mills, which ensures consistent reliability and quality.
- **Test Certificates can be found online @wilkinsonstar247.com**



## Approvals

CE, UKCA

## Typical Base Materials

A106, A210, A234 S355J2, S380N, P235GH, GS 45, P295GH, P355GH, S355N\*

\* Illustrative, not exhaustive list

## Welding Positions

EN ISO 6947 - PA, PB, PC, PD, PE, PF

## Shielding Gases

EN ISO 14175 - TIG: I1 (Argon)

## Polarity

DC (-)

## Chemical Composition % (Typical)

C %	Si %	Mn %	P %	S %	Cu % <sup>a</sup>	Cr %	Ni %	Mo %	Al %	V %	Zr+Ti%
0.06	0.60	1.20	<0.020	<0.020	<0.25	<0.10	<0.10	<0.050	0.100	<0.030	<0.15

<sup>a</sup> (includes copper coating)

## Packaging Data

Part No.	Diameter Ø (mm)	Package Length (mm)	Package Weight (Kg)	Package Type
3010300219	1.00	1000	5	Cardboard Tube
3010300221	1.20	1000	5	Cardboard Tube
3010300222	1.60	1000	5	Cardboard Tube
3010300224	2.40	1000	5	Cardboard Tube
3010300225	3.20	1000	5	Cardboard Tube

## Mechanical Properties (Typical)

Tensile Strength (N/mm <sup>2</sup> )	Yield Strength (N/mm <sup>2</sup> )	Elongation (%)	Impact Strength (J)	Test Temperature
560	480	24	>50	-30°C

Mechanical properties are approximate and may vary based on the heat, shielding gas, welding parameters and other factors.