

# 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**



## 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 (-)

## 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.

## 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

**Liability:** Whilst all reasonable efforts have been made to ensure the accuracy of the information contained, this information is subject to change without notice and can be only considered as suitable for general guidance.

