



**PRODUCT INFORMATION**

**SIFSTEEL A18**

EN ISO 636A: 2008 W3Si1  
 BS: 2901 A18  
 AWS ER70S-6

**DESCRIPTION**

Copper coated deoxidised steel rod for TIG welding unalloyed and low alloyed steels. Typical applications include general constructions, shipbuilding, bridges and tanks. To be used in combination with thoriated tungsten, thorium-free cerium, or lanthanum electrodes.

**WELDING POSITIONS**



Suitable for use in applications within the ship building and offshore industries, bridge and road constructions, pressure vessel and boiler industries, construction works, repair shops and the car industry.

**TYPICAL WELD METAL COMPOSITION**

C	0.1 %
Si	1 %
Mn	1.3 %

**TYPICAL MECHANICAL PROPERTIES**

Melting Point	1450 °C
Ult Tensile Strength	400 N/mm <sup>2</sup>
Hardness	120

**MATERIAL TO BE WELDED**

Can be used on structural, boiler, pipe, cast and fine grain steel.

**AVAILABLE FORMATS**

1M ROD (TIG / GTAW)			
Dia			5.0kg Ctn
1.0mm			RA181050
1.2mm			RA181250
1.6mm			RA181650
2.4mm			RA182450
3.2mm			RA183250

Current:	DC = -
Shielding Gas:	Pure Argon

For further information, contact Weldability | Sif technical support on **0870 330 7757** or email [service@weldability-sif.com](mailto:service@weldability-sif.com)



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