

BW70S-4

Professional Welding Wire

Mild Steel Tig Filler Rod (GTAW)


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creating better welding solutions

Specification: AWS/ASME-SFA A5.18: ER70S-4.

Applications & Features:

BW70S-4 Mild steel Tig rods are a copper coated, double deoxidised low carbon steel filler rod suitable for Oxy Acetylene (Fusion) welding and Gas Tungsten Arc (TIG) welding applications of a wide range of mild and medium strength steels.

Recommended for the TIG welding of steel pipes, plates and castings with a tensile strength in the 500 MPa class.

Tolerant to surface rust and mill scale and is ideal for root pass welding applications where tough and ductile welds are produced.

Approvals:

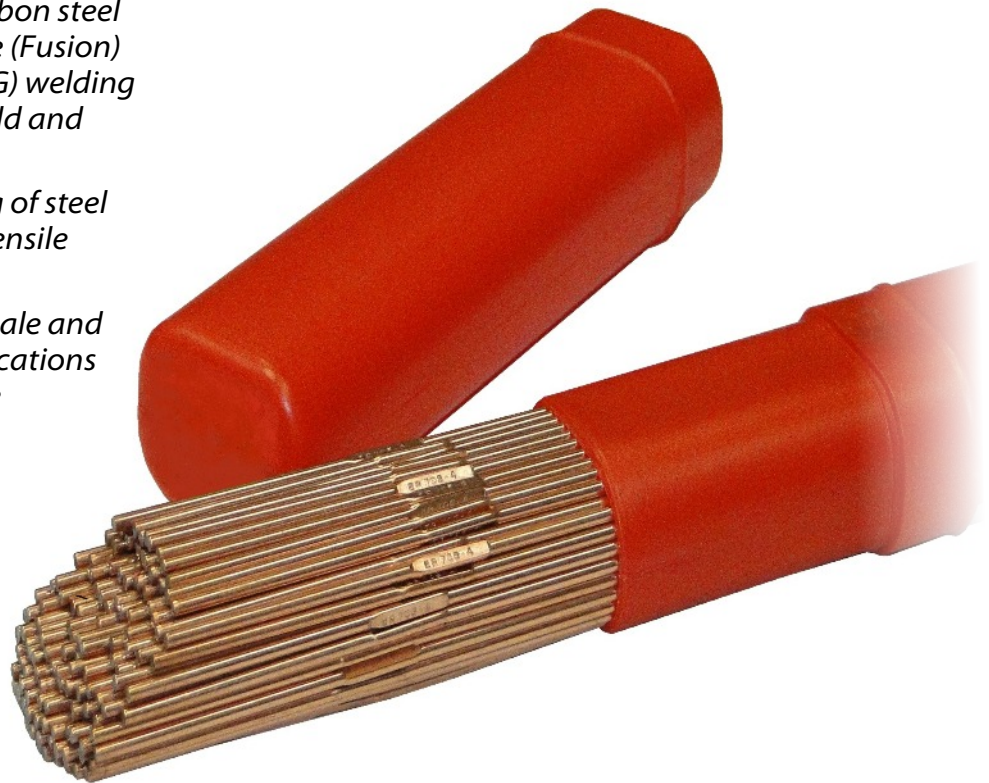
TUV, ABS, CR

Part Numbers:

P/N: 3013 - 2.4mm x 1000mm

Pack Sizes:

5.0kg Sealable Tube



Chemical composition of solid wire (wt%)

C	Si	Mn	P	S
0.09	0.7	1.06	0.014	0.011

Typical Mechanical Properties

Tensile Strength N/mm ² (kgf/mm ²)	Yield Strength N/mm ² (kgf/mm ²)	Elongation %	Charpy V-Notch		Shielding Gas
			°C	J (kgf-m)	
549 (56.0)	460 (47.0)	32	0	176 (18.0)	CO ²
578 (59.0)	519 (53.0)	33	-30	84 (8.6)	80%Ar+20%CO ²