

# STRONG 80S-B8

CLASSIFICATION: AWS SFA 5.28 ER 80S-B8



## Copper Coated Solid Wire For MIG & TIG Welding

### CHARACTERISTICS

STRONG 80S-B8 is a high strength - low alloy steel wire with very low impurities for welding of high strength steels, typically suitable for welding creep resistant steels with 9%Cr & 1%Mo. The weld metal possesses very good high temperature properties and excellent creep property up to 550°C.

### APPLICATIONS

STRONG 80S-B8 is suitable for welding of pipes & tubes of matching composition in Power plants, Refineries, Petrochemicals, Fertilizer plants, etc. where good corrosion & heat resistance property is desired from the weld metal. Suitable for Welding of ferritic martensitic chrome steels like A387 Grade 9 plate, A335 P9 pipe, A213 T9 tubes, etc.

### TYPICAL WIRE CHEMISTRY (%)

C	Mn	Si	P	S	Cu	Ni	Cr	Mo
0.10 MAX	0.40- 0.70	0.50 MAX	0.025 MAX	0.025 MAX	0.35 MAX	0.50 MAX	8.00- 10.50	0.80- 1.20

### ALL WELD MECHANICAL PROPERTIES

Required as per AWS 5.28	Y.S.	U.T.S.	ELONGATION
	MPa	MPa	%
	≥470	≥550	≥17
Typical	520	620	21

### PACKAGING SPECIFICATIONS - MIG

**DIA SIZE** 0.80MM / 1.00MM / 1.20MM / 1.60MM / 2.00MM

**SPOOL WEIGHT** 1KGS / 5KGS / 12.5KGS / 15KGS / 17.5KGS

**DRUM WEIGHT** 100KGS / 150KGS / 250KGS / 300KGS / 350KGS

### PACKAGING SPECIFICATIONS - TIG

**DIA SIZE** 1.60MM / 2.00MM / 2.40MM / 3.15MM / 4.00MM

**WEIGHT** 5KGS / 20KGS