

# STAINILUM

## THE STRONGEST, PROBLEM SOLVING UNIVERSAL WIRE FOR ALL STAINLESS STEELS AND DISSIMILAR COMBINATIONS

### GENERAL CHARACTERISTICS:

Stainilum is a premium wire that provides dense, porosity and spatter free deposits that are strong and crack resistant. This wire is compatible to all grades and alloys of stainless steel. Also available as a MIG wire.

### APPLICATIONS:

Welding low, medium, and high alloy steels requiring the highest strength and quality. Ideal for repair of tools, dies, springs, carbon steels, stainless steels, pressure vessels, vanadium-moly spring steels, and as an underlayment or pad prior to applying hard facing alloys. Also used for rebuilding shafts and blades used in the chemical, construction, and mining industries.

### TECHNICAL DATA:

Tensile Strength - as welded .....	up to 95,000 psi
Tensile Strength - workhardened .....	up to 180,000 psi
Yield Strength .....	up to 80,000 psi
Elongation .....	up to 40%
Hardness (HB) .....	approx. 300
Diameter.....	.045", 1/16", 3/32", 1/8"

### PROCEDURE:

Clean material of foreign substances, set parameters to range given (appropriate for base metal thickness and position). Preheat high carbon steels to 400°F. Use stringer beads to minimize overheating and stress.

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HIGH STRENGTH STAINILUM