

MG 600 TIG

THE STRONGEST PROBLEM SOLVING UNIVERSAL WIRE FOR ALL STEELS

GENERAL CHARACTERISTICS:

MG 600 TIG 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 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 120,000 psi
Tensile Strength	workhardened	up to 180,000 psi
Yield Strength		up to 90,000 psi
Elongation		up to 35%
Hardness (HB)		approx. 300
Diameter045", 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.