

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 free deposits that are strong and crack resistant. This wire is compatible to all grades and alloys of steel. Also available in 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, aircraft steels, 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 (827 N/mm ²)
	Work Hardened: up to 180,000 psi (1241 N/mm ²)
Yield Strength	Up to 90,000 psi (621 N/mm ²)
Elongation	Approx. 35%
Hardness	Approx. 300 HB
Current	DC straight polarity (electrode -)
Shielding Gas	100% Argon

Diameters Available	.045" (1.2mm)	1/16" (1.6mm)	3/32" (2.4mm)	1/8" (3.2mm)
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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.