

MG 492 TIG



Quality TIG rod for high temperature and chemical resistant joints and cladding

GENERAL CHARACTERISTICS:

MG 492 TIG is an AWS A5.16 class ERTi-2 TIG filler metal used for welding pure titanium alloys. Ideal for high temperature applications that also require resistance to caustic chemicals.

APPLICATIONS:

Applications for 492 TIG include the aircraft industry; cryogenic and petrochemical applications such as chemical process heat exchangers, pressure vessels, piping systems, electro chemical plating, chemical storage tanks and bleaching systems in the pulp and paper industry.

TECHNICAL DATA:

Typical Tensile Strength	Up to 50,000 psi (345 N/mm ²)		
Typical Yield Strength	Up to 40,000 psi (276 N/mm ²)		
Elongation	Approx. 20%		
Diameters Available	1/16" (1.6mm)	3/32" (2.4mm)	1/8" (3.2mm)

PROCEDURE:

Remove all dirt, debris, contamination or worn metal. If necessary, fixture or tack parts to form an even, consistent joint. Preheat according to base metal carbon equivalence; if unsure, consult an expert. Continue welding, keeping the molten filler in the shielding gas to minimize oxide formation and introduction into the weld until desired joint is complete. Keep weld pool full and continue slowly to prevent undercut and issues connected to it.