

# Inweld 71T-GS

Alloy E71T-GS  
AWS A5.20  
ASME SFA 5.20



## Description and Applications:

The many positive characteristics of 71T-GS make it the smart choice for the “hobbyist” welder, as it works very well on the small 110 volt power source/feeders which have become so popular. 71T-GS is designed for single pass welding of thin-gauge carbon steel, ranging from 3/16” to 22 gauge. This electrode is formulated to weld quite effectively over galvanized material and can be used on certain aluminized surfaces as well. 71T-GS requires no external gas-shielding and should be welded with DCEN (straight polarity).

71T-GS is the natural choice for applications such as lap and butt welds on galvanized sheet metal, repair of automobile sheet metal, welding ductwork and joining of galvanized roofing sheet metal.

## Chemical Composition of E71T-GS

Fe	C	Si	Mn	P	S	Al	
Balance	0.13	0.45	0.82	0.016	0.013	1.23	Values are estimate values

Single values are maximum unless otherwise specified.

Tensile strength - 72,000 psi min.  
Yield strength - 60,000 psi min.  
Elongation % in 2" - 20ft lbs at 0°F min.

Charpy V-Notch: Impact Value - 44 ft lbs. at 0°F.



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\*Use low range for iron or nickel-based alloy's, middle range for bronze alloys and high range for copper.