

Weldcote Metals

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.

*Use low range for iron or nickel-based Alloys, middle range for bronze alloys and high range for copper.