



**E71T-1M/1C, 9M/9C**  
**AWS A5.20**  
**E71T-1M/1C, 9M/9C (H8)**

U.S. ALLOY CO.  
dba Washington Alloy  
7010-G Reames Rd.  
Charlotte, NC 28216  
[www.weldingwire.com](http://www.weldingwire.com)

Quality Management System  
in accordance with  
**ISO 9001**  
Cert # 05-R0925



Washington Alloy E71T-1M/1C developed to provide improved deposition rates and enhanced welder appeal, compared to conventional electrodes. This spooled electrode is intended for single and multiple pass welding of carbon steels and is designed for use with and 75-80 percent argon/balance carbon dioxide however 100% CO<sub>2</sub> works well and may produce a lower tensile strength. Excellent mechanical properties with spray transfer and low spatter.

**APPLICATIONS:** The combination of strength and toughness make E71T-1M ideal for welding carbon steels requiring a minimum tensile strength of 70,000 psi and also is superb for such applications as structural steel, farm machinery, construction equipment, railcar fabrication and shipbuilding, where the following steels may be employed: ASTM A131, A285, A515 Gr 70 and A516 Gr 70 and may other fine grained steels.

**DIAMETERS:** .045", 1/16" **SHIELDING GAS:** 75-80%Ar+20-25%CO<sub>2</sub>

Actual Chemical Analysis Heat: **51H5071** Deposited Metal (80%Ar+20%CO<sub>2</sub>)

C.043	Cr.02	Cu.01	Mn1.36	Mo.01
Ni.01	P.012	S.007	Si.61	V.02

**MECHANICAL PROPERTIES** Heat: **51H5071** Deposited Metal (80%Ar+20%CO<sub>2</sub>)

All Weld Metal as Welded

Ultimate Tensile Strength (psi)	91,205
Yield Strength (psi)	83,665
Percent Elongation	25
CVN (ft•lb f) @ -20° F	106 (AVG)

**DIFFUSIBLE HYDROGEN (ml/100g WELD DEPOSIT) 8.0 MAX**

**EAST COAST**

7010-G Reames Rd  
Charlotte, NC 28216  
Tel (888) 522-8296  
Fax (704)598-6673

**GULF COAST**

4755 Alpine Drive #100A  
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Tel (877) 711-9274  
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**WEST COAST**

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