

# WASHINGTON ALLOY CO.

## Eagle-Arc 71 AWS A5.20, E71T-1C/1M

*Eagle-Arc 71* is an *all-position*, single or multi-pass welding on mild steels and 490N/mm class (71,000 psi)

high strength steels. *Eagle-Arc 71* has excellent operator appeal, with low fume emissions, low spatter, excellent feedability and wetting-in, smooth arc and crisp, clean slag removal.

*Eagle-Arc 71* is designed for use with 100% CO<sub>2</sub> or 75-80% Argon, balance CO<sub>2</sub> mixed gases, giving good penetration on light, medium or heavy gauge plate. 71 is a great choice for bridge structures, ship building, earth moving equipment and all general fabrication requirements.



*Actual Chemical Certs  
available on request*

# Eagle-Arc Cored Welding Wires

### Typical Chemistry

C - 0.030  
Mn - 1.45  
Si - 0.30  
P - 0.015  
S - 0.010

### Typical Mechanical Properties

Tensile Strength - 86,000 psi  
Yield Strength - 81,000 psi  
% elongation - 26  
CVN 55 foot pounds @-0 F)

### Recommended Parameters

Shielding gas Ar/CO<sub>2</sub> (75-80% Ar)  
or 100% CO<sub>2</sub>

Amps	Flat	Horizontal	vertical
.045	120-320	120-250	120-260
1/16	150-400	200-400	160-280

Electrical stick-out 1/2 - 3/4"

### Packaging

.045 x 44 lb spool  
1/16 x 44 lb spool

Other diameters and packaging is available. please inquire.

Washington Alloy maintains an

**ISO 9001**

Certified Quality Management System

[www.weldingwire.com](http://www.weldingwire.com)



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