

WASHINGTON ALLOY'S Quality Management System is certified to ISO 9001:2008 Cert# 05-R0925

USA E6013 CARBON STEEL WELDING ELECTRODE

U.S. ALLOY CO. dba Washington Alloy 7010-G Reames Rd. Charlotte, NC 28216 www.weldingwire.com





ALLOY DESCRIPTION AND APPLICATION:

USA E6013 is a shallow penetrating flux covered welding electrode designed to produce a smooth flat bead on sheet metal and thin to medium gauge materials. The easy re-strike of E6013 makes it a great choice for detail work in tight places where a positive, precision ignition is required. The soft arc, easy slag removal and the low spatter give the E6013 a beautiful weld deposit that can even be welded vertical down. This is an All-position rod that will weld with both AC and DC current and is typically used auto bodies, storage tanks, machinery guards, metal furniture, gates, ornamental iron or wherever appearance is important or desireable.

TYPICAL WELDING PARAMETERS:

AC or DC-/+ Electrode Positive or Negative Amperage settings:

Dia.	Flat & Horizontal fillet	Vertical & overhead
1/16	25-50	25-50
5/64	35-60	35-60
3/32	50-100	50-90
1/8	80-130	60-110
5/32	140-180	110-160
3/16	180-230	120-160
1/4	260-320	

TYPICAL CHEMISTRY (%) & WELD METAL PROPERTIES

C - 0.070	Yield point (psi) 63,000
Mn - 0.450	Tensile Strength (psi)
Si - 0.320	Elongation in 2" (%)
P - 0.014	Charpy V-notch @ 32 F (ft. lbs) 58
S - 0.008	

SPECIFICATIONS:

AWS A5.1 Class E6013 1/16, 5/64, 3/32, 1/8, 5/32, 3/16, 1/4 in 10 or 5lb packs

EAST COAST	GULF COAST	WEST COAST
7010-G Reames Rd	4855 Alpine Drive #190	8535 Utica Ave
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AVAILABLE SIZES:

Warehouse Distribution Center – Dayton, Ohio

Head Office – Puyallup, Washington

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