

Eureka Welding Alloys

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TECHNICAL DATA FOR EUREKA BU TIG RODS

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INTRODUCTION

Eureka “BU” TIG Rods are drawn, straightened, cut to length, and then cleaned and packaged to obtain microscopically clean weld deposits. These rods are designed for the most critical applications where weld metal cleanliness is most important.

METALLURGICAL CHARACTERISTICS

Eureka “BU” TIG Rods produce weld deposits of approximately 95,000 psi tensile strength and has 25% elongation.

RECOMMENDED APPLICATIONS

Eureka “BU” TIG Rods is a triple deoxidized filler metal that yields dense porous free weld deposits. It is used for high strength joining and fabrication of low alloy and mild steels. It also can be utilized as an underlay prior to the deposition of a hard facing alloy.

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RECOMMENDED SHIELDING GASES

100% Argon

GAS FLOW RATE

20-40 CFH

TYPICAL CHEMISTRY

C	Mn	Si	Mo
.08	1.9	.60	.50

PHYSICAL AND OR MECHANICAL PROPERTIES

TENSILE STRENGTH 95,000 psi

YIELD STRENGTH 84,000 psi

ELONGATION 22%