

Eureka Welding Alloys

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TECHNICAL DATA FOR EUREKA 330 TIG RODS

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INTRODUCTION

Eureka 330 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 330 TIG Rod deposits exhibit good corrosion and oxidation resistance at extreme temperatures. The deposits have good high temperature strength and creep resistance qualities.

RECOMMENDED APPLICATIONS

Eureka 330 TIG Rods are used for the welding of cast and wrought metals of similar chemical composition. It has good high temperature oxidation resistance, and high temperature creep strength up to 1800° F. It is used on boilers, baskets, furnace parts, and high temperature castings of similar chemistry.

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RECOMMENDED SHIELDING GASES

100% Argon

GAS FLOW RATE

20-40 CFH

Typical Chemistry

C	Mn	Si	Cr	Ni
.20	1.5	.50	16.5	35.0

PHYSICAL AND OR MECHANICAL PROPERTIES

TENSILE STRENGTH 84,000 psi

YIELD STRENGTH 56,000 psi

ELONGATION 29%