

Eureka Welding Alloys

2000 E. Avis Drive

Madison Heights, MI 48071

Phone: 248-588-0001 Fax: 248-585-7711 Toll Free: 800-962-8560

E-mail: info@eurekaweldingalloys.com Website: www.eurekaweldingalloys.com

TECHNICAL DATA FOR EUREKA 60 Ni ELECTRODES

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INTRODUCTION

Eureka 60 Ni Electrode is a smooth running basic electrode for welding cast iron. The electrodes are designed for superior weldability having no spatter, a stable arc, good wet out and easy slag removal.

METALLURGICAL CHARACTERISTICS

Eureka 60 Ni Electrode is a Nickel-Iron electrode designed to produce high strength, porous free, non-cracking welds on grey cast iron, such as Malleable, Ductile Iron, Meehanite, and Ni-Resist. Weld deposits of **Eureka 60 Ni** are readily machinable, and may be used to join the above listed iron materials.

RECOMMENDED APPLICATIONS

Eureka 60 Ni Electrode can be used on just about every conceivable application in the maintenance repair welding of cast iron units such as gears, sprockets, motor housings, machine bases, cams, levers and draw dies.

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WELDING PARAMETERS

SIZE	AMPERAGE RANGE
3/32" 2.4mm	70 – 120
1/8" 3.2mm	100 – 140
5/32" 4.0mm	140 – 170
3/16" 4.8mm	170 – 225
1/4" 6.35mm	225 – 300
5/16" 7.94mm	300 – 375
3/8" 9.5mm	350 – 425

TYPICAL CHEMISTRY

C	Mn	Si	Ni	Fe
1.2	.30	.70	55.0	Bal