

OK NiFe-CI-A

A nickel-iron cored electrode for joining normal grades of cast iron, such as grey-, ductile- and malleable irons. It is also suitable for rectification and repair of these grades and for joining them to steel. Deposition is done on cold or slightly preheated cast iron. The electrode produces a weld metal stronger and more resistant to solidification cracking than electrode type of pure nickel type. It is specially suited for high duty welds in ductile irons and for welding grey irons with increased contents of sulphur and phosphorous. Typical applications include repair of pump bodies, heavy machine sections, gear teeth, flanges and pulleys.

| Specifications | |
|-----------------|---|
| Classifications | SFA/AWS A5.15 : ENiFe-CI-A EN ISO 1071 : E C NiFe-CI-A 1 |
| Approvals | CE : EN 13479 UKCA : EN 13479 |

Approvals are based on factory location. Please contact ESAB for more information.

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|-----------------|-----------------------------|
| Welding Current | AC, DC+- |
| Alloy Type | Ni-Fe alloy |
| Coating Type | Basic Special high graphite |

| Typical Weld Metal Analysis % | | | | | | | |
|-------------------------------|-----|-----|-------|-------|----|-----|----|
| C | Mn | Si | S | P | Ni | Al | Fe |
| 1.5 | 0.8 | 0.7 | 0.003 | 0.006 | 51 | 1.4 | 46 |

| Deposition Data | | | | |
|-----------------|----------|----------------|--|-----------------|
| Diameter | Current | Efficiency (%) | Fusion time per electrode at 90% I max | Deposition Rate |
| 2.5 x 300.0 mm | 55-75 A | 70 % | 70 sec | 0.6 kg/h |
| 3.2 x 350.0 mm | 75-100 A | 70 % | 90 sec | 0.9 kg/h |
| 4.0 x 350.0 mm | 85-160 A | 70 % | 70 sec | 1.8 kg/h |