

Job Id: **262.1-022201-1**  
Certificate No: **TAW00001CH**

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## TYPE APPROVAL CERTIFICATE

### This is to certify:

**That the Wire/Gas combination**

with trade name  
**UltraMag/C1**

Manufacturer  
**Lincoln Electric Europe B.V.**  
**NIJMEGEN, Netherlands**

is found to comply with  
**DNV GL rules for classification – Ships**

with this approval

|                          |                                                         |
|--------------------------|---------------------------------------------------------|
| <b>Grade</b>             | <b>III Y40MS</b>                                        |
| <b>Current</b>           | <b>DC+</b>                                              |
| <b>Approved diameter</b> | <b>0,8 - 1,6mm</b>                                      |
| <b>Positions</b>         | <b>All, including vertical down</b>                     |
| <b>Remarks</b>           | <b>For wire produced at Electro-Arco S.A., Portugal</b> |

**Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.**

This Certificate is valid until **2021-04-04**.

Issued at **Hamburg** on **2016-04-05**

DNV GL local station: **Rotterdam**

for **DNV GL**

Approval Engineer: **Hans-Joachim Vogt**

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**Thorsten Lohmann**  
**Head of Section**

Any significant change in design or construction may render this Certificate invalid.