DNV·GL

Certificate No:
**TAW0000154**

# TYPE APPROVAL CERTIFICATE

## This is to certify:

**That the Wire/Gas combination**

with trade name
**OK AristoRod 89 / M21**

Manufacturer
**ESAB AB**
**GÖTEBORG, Sweden**

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

with this approval

| | |
|---|---|
| **Grade** | **IV Y89MS** |
| **Current** | **DC(+)** |
| **Approved diameter** | **0.8 mm - 1.2 mm** |
| **Positions** | **All, except vertical downwards** |
| **Remarks** | **Also for fillet welding. Minimum yield strength 890 MPa. Minimum average impact energy 47 Joule. Only valid for lot numbers starting with PV.** |

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

This Certificate is valid until **2020-11-30**.

Issued at **Høvik** on **2015-12-01**

for **DNV GL**

DNV GL local station: **Gothenburg**

Approval Engineer: **Maxim Bobrov**

**Hanne Anita Hjerpetjønn**
**Head of Section**

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


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