

# TYPE APPROVAL CERTIFICATE

**This is to certify:****That the Wire/Gas combination**with trade name  
**NSSW YM-80A / M21**

Manufacturer

**Nippon Steel & Sumikin Welding Co. Ltd., Chiba Plant  
(Narashino)  
Narashino Chiba Pref., Japan**is found to comply with  
**DNV GL rules for classification – Ships**

with this approval

|                          |                        |
|--------------------------|------------------------|
| <b>Grade</b>             | <b>IV Y69MS</b>        |
| <b>Current</b>           | <b>DC(+)</b>           |
| <b>Approved diameter</b> | <b>1.2 mm - 1.6 mm</b> |
| <b>Positions</b>         | <b>Flat</b>            |
| <b>Remarks</b>           | <b>-</b>               |

**Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.**This Certificate is valid until **2021-02-08**.Issued at **Høvik** on **2016-02-09**for **DNV GL**DNV GL local station: **Yokohama**Approval Engineer: **Maxim Bobrov**

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

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