

# TYPE APPROVAL CERTIFICATE

## This is to certify:

That the Flux Cored Wire/Gas combination

with trade name  
**NSSW SF-1A / M21**

Manufacturer

**Nippon Steel & Sumikin Welding Co., Ltd. Hikari Plant**  
**Hikari Yamaguchi Pref., Japan**

is found to comply with

**DNV GL rules for classification – Ships**

**DNV GL class programme DNVGL-CP-0069 – Type approval – Welding consumables**

with this approval

<b>Grade</b>	<b>III Y40MS(H5)</b>
<b>Current</b>	<b>DC(+)</b>
<b>Approved diameter</b>	<b>1,0mm - 1,6mm</b>
<b>Positions</b>	<b>All, including vertical-down</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 **2022-01-01**.

Issued at **Hamburg** on **2017-08-02**

DNV GL local station: **Hiroshima**

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.