

**COPY**

**DNV-GL**

Certificate No:  
**TAW00003CW**

# TYPE APPROVAL CERTIFICATE

**This is to certify:**

**That the Flux Cored Wire/Gas combination**

with trade name  
**NSSW SF-50A / M21**

Manufacturer

**Nippon Steel & Sumikin Welding Co. Ltd., Chiba Plant**  
**Narashino Chiba 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>IV Y50MS(H5)</b>
<b>Current</b>	<b>DC(+)</b>
<b>Approved diameter</b>	<b>1,2 mm</b>
<b>Positions</b>	<b>All, except vertical downwards</b>
<b>Remarks</b>	<b>Also for fillet welding</b>

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

Issued at **Hamburg** on **2017-11-27**

This Certificate is valid until **2022-11-26**.

DNV GL local station: **Yokohama**

Approval Engineer: **Ludger Hachmöller**



for **DNV GL**

Digitally Signed By: Dau, Gabi

Location: DNV GL Hamburg, Germany

Signing Date: 2017-11-27, on behalf of

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

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



Form code: WELD 1421a

Revision: 2016-12

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