

**COPY****DNV GL****TYPE APPROVAL CERTIFICATE**Certificate No:  
**TAW000033S**  
Revision No:  
**1****This is to certify:****That the Flux Cored Wire/Gas combination**with trade name  
**NSSW SM-47A / M20\***

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>V Y46MSH5</b>
<b>Current</b>	<b>DC +</b>
<b>Approved diameter</b>	<b>1,2 - 1,4mm</b>
<b>Positions</b>	<b>All, except vertical-down</b>
<b>Remarks</b>	<b>*) M20 (&gt; 5% to 15% CO<sub>2</sub>, rest Argon) according to ISO 14175.</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 **2017-08-16**This Certificate is valid until **2022-07-30**.DNV GL local station: **Yokohama**Approval Engineer: **Hans-Joachim Vogt**for **DNV GL**

Digitally Signed By: Hachmoeller, Ludger

Location: DNV GL Hamburg, Germany

Signing Date: 2017-08-16 , on behalf of

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

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



Form code: WELD 1421a

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Page 1 of 1

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