

COPY

DNV·GL

TYPE APPROVAL CERTIFICATE

Certificate No:  
**TAW000007Z**  
Revision No:  
**3**

**This is to certify:**

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

with trade name  
**SF-1E / C1**

Manufacturer

**NIPPON STEEL WELDING & ENGINEERING 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>1.0 mm - 1.4 mm</b>
<b>Positions</b>	<b>All, incl. 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 **2020-07-29**

This Certificate is valid until **2025-12-14**.

DNV GL local station: **Kobe**

Approval Engineer: **Ludger Hachmöller**



for **DNV GL**

Digitally Signed By: Wildhagen, Christian  
Location: DNV GL Hamburg, Germany  
Signing Date: 2020-07-29, on behalf of

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

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

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Form code: WELD 1421a

Revision: 2020-03

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