



COPY

TYPE APPROVAL CERTIFICATE

Certificate No:
TAW00003CW
Revision No:
1

This is to certify:

That the Flux Cored Wire/Gas combination

with trade name
SF-50A / M21

Manufacturer
NIPPON STEEL WELDING & ENGINEERING CO.,LTD., Narashino Plant
Narashino, Chiba Pref., Japan

is found to comply with
DNV rules for classification – Ships
DNV class programme DNV-CP-0069 – Type approval – Welding consumables

with this approval

Grade	IV Y50MS(H5)
Current	DC(+)
Approved diameter	1,2 mm
Positions	All, except vertical downwards
Remarks	Also for fillet welding

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

Issued at **Hamburg** on **2023-02-01**

This Certificate is valid until **2027-11-26**.

DNV local unit: **Yokohama**

Approval Engineer: **Dietmar Liebich**



for **DNV**

Digitally Signed By: Hachmoeller, Ludger

Location: DNV Hamburg, Germany

Signing Date: 02.02.2023 , on behalf of

Thorsten Lohmann
Head of Section

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

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