



COPY

TYPE APPROVAL CERTIFICATE

Certificate No:
TAW000023K
Revision No:
3

This is to certify:

That the Flux Cored Wire/Gas combination

with trade name
SF-3AM / 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	V Y46MS(H5)
Current	DC(+)
Approved diameter	1.0 mm - 1.6 mm
Positions	All, except vertical-downwards
Remarks	Also for NV 2-4L and NV 4-4L

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

Issued at **Hamburg** on **2021-11-25**

This Certificate is valid until **2026-10-23**.

DNV local station: **Yokohama**

Approval Engineer: **Dietmar Liebich**

for DNV



Digitally Signed By: Hachmoeller, Ludger
Location: DNV Hamburg, Germany
Signing Date: 02.12.2021 , on behalf of

Thorsten Lohmann
Head of Section

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