



TYPE APPROVAL CERTIFICATE

Certificate No:
TAW00000J0
Revision No:
3

This is to certify:

That the Flux Cored Wire/Gas combination

with trade name
SF-3A / 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 Y42MS(H5)
Current	DC(+)
Approved diameter	1.0 mm - 1.6 mm
Positions	All, including 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 **2022-08-26**

This Certificate is valid until **2025-12-31**.
DNV local station: **Yokohama**

Approval Engineer: **Ludger Hachmöller**



for **DNV**

Digitally Signed By: **Wenning, Martin**
Location: **DNV Hamburg, Germany**
Signing Date: **26.08.2022**, on behalf of

Thorsten Lohmann
Head of Section

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