



COPY

TYPE APPROVAL CERTIFICATE

Certificate No:
TAW00003AG
Revision No:
1

This is to certify:

That the Flux Cored Wire/Gas combination

with trade name
SF-3AMSR / 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	1,2 mm
Positions	All, except vertical downwards
Remarks	Also for fillet welding. Also for welding where PWHT is required.

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

Issued at **Hamburg** on **2022-09-07**

This Certificate is valid until **2027-06-30**.

DNV local station: **Yokohama**

Approval Engineer: **Dietmar Liebich**



for **DNV**

Digitally Signed By: Hachmoeller, Ludger

Location: DNV Hamburg, Germany

Signing Date: 12.09.2022 , on behalf of

Thorsten Lohmann
Head of Section

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

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