



COPY

## TYPE APPROVAL CERTIFICATE

Certificate no.:  
TAW000048V  
Revision No:  
1

### This is to certify:

that the Flux Cored Wire/Gas combination

with trade name  
SF-3A / M21

Manufacturer  
**NIPPON STEEL WELDING & ENGINEERING CO., LTD. Hikari Plant**  
Hikari, Yamaguchi 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, incl. 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 2024-02-27

This Certificate is valid until 2029-03-11.

DNV local unit: Japan CMC

Approval Engineer: Enno Brück

for DNV



Digitally Signed By:  
Ludger Hachmöller  
Location: DNV Hamburg,  
Germany

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