

# COPY



## APPROVAL OF WELDING CONSUMABLES CERTIFICATE

No. QBI162525PU/002

This is to certify that the following product, in view of the tests carried out, has been approved.

<i>Description</i>	<b>Flux-cored wire/gas combination</b>
<i>Type</i>	<b>SF-1A / 80%Ar + 20%CO<sub>2</sub> (M21)</b>
<i>Class</i>	<b>3YS HS</b>
<i>Manufacturer</i>	<b>NIPPON STEEL WELDING &amp; ENGINEERING CO., LTD.</b>
<i>Place of manufacture</i>	<b>HIKARI PLANT</b> <b>2-1, 4-Chome Asae Hikari City</b> <b>743-0021 Yamaguchi</b> <b>JAPAN</b>
<i>Reference standards</i>	<b>Part D, Chapter 5, Section 2 of RINA Rules for the classification of ships</b>

The approval is valid for one year and can be reconfirmed subject to the satisfactory outcome of the prescribed control tests.

*Issued in RINA Korea Marine on August 12, 2025. This Certificate is valid until August 17, 2026*



*Il Su Baek*

RINA Services S.p.A.

This certificate consists of this page and 1 enclosure

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SF-1A / 80%Ar + 20%CO<sub>2</sub> (M21)

NIPPON STEEL WELDING & ENGINEERING CO., LTD. 2-1, 4-Chome Asae Hikari City - 743-0021  
HIKARI PLANT Yamaguchi - JAPAN

Class	3YS H5
Diameters	1.0-1.6 mm
Welding positions	all positions including vertical in downward direction
Type of current	direct current reverse polarity

RINA Korea Marine August 12,  
2025



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