

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%CO2 (M21)</b>
<i>Class</i>	<b>3YS H5</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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Enclosure - Page 1 of 1

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

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



RINA Services S.p.A.  
Via Corsica, 12 - 16128 Genova  
Tel +39 010 53851  
Fax +39 010 5351000