



NIPPON KAIJI KYOKAI

Approval No. NKY-1003
Certificate No. TA23302E

Certificate
OF
TYPE APPROVAL

Article: Welding Consumables for Mild Steels for Hull
Brand: TB-I24
Applicant: Kobe Steel Ltd., Saijo Plant
6400-1, Misonou, Saijo-Cho, Higashi-Hiroshima, Hiroshima, Japan
Manufacturer: Kobe Steel Ltd., Saijo Plant
6400-1, Misonou, Saijo-Cho, Higashi-Hiroshima, Hiroshima, Japan
Grade: KMW3
Welding Process: Manual Welding
Welding Positions and Max. Diameter of Electrode: See Table 1
Current: AC, DCEP and DCEN
Shielding Gas: Not Applicable
Applicable Parent Material: Mild Steels for Hull

Table 1 Welding Positions and Max. Diameter of Electrode

Butt Weld		Fillet Weld	
Flat:	4.0mm	Flat:	4.0mm
Horizontal:	4.0mm	Horizontal Vertical:	4.0mm
Overhead:	4.0mm	Horizontal:	4.0mm
Vertical Upward:	4.0mm	Horizontal Overhead:	4.0mm
Vertical Downward:	Not Applicable	Overhead:	4.0mm
		Vertical Upward:	4.0mm
		Vertical Downward:	Not Applicable

THIS IS TO CERTIFY that the above mentioned welding consumable has been approved by the NIPPON KAIJI KYOKAI in accordance with the requirements of the Society's Rules.

This Certificate will remain in force until 19 March 2024.

Issued at Tokyo on 14 March 2023.


Y. Takao





General Manager
Material and Equipment Department



Notes (1) The validity of this certificate may be renewed by endorsement on the attached sheet upon completion of the annual inspections.

(2) This certificate was rewritten because of addition of welding position and change of max. diameter of wire.

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<p>The validity of this certificate has been renewed until <u>19 MAR. 2025</u> .</p> <p>Date: <u>9 FEB. 2024</u></p> <p> Surveyor</p> 	<p>The validity of this certificate has been renewed until _____ .</p> <p>Date: _____</p> <p>_____ Surveyor</p>
<p>The validity of this certificate has been renewed until <u>19 MAR. 2026</u> .</p> <p>Date: <u>16 MAY. 2025</u></p> <p> Surveyor</p> 	<p>The validity of this certificate has been renewed until _____ .</p> <p>Date: _____</p> <p>_____ Surveyor</p>
<p>The validity of this certificate has been renewed until _____ .</p> <p>Date: _____</p> <p>_____ Surveyor</p>	<p>The validity of this certificate has been renewed until _____ .</p> <p>Date: _____</p> <p>_____ Surveyor</p>
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