



NIPPON KAIJI KYOKAI

Approval No. NKY-1218
Certificate No. TA23303E

Certificate OF *TYPE APPROVAL*

Article: Welding Consumables for High Tensile Steels for Hull
Brand: LB-52
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: KMW53Y40H10
Welding Process: Manual Welding
Welding Positions and Max. Diameter of Electrode: See Table 1
Current: AC and DCEP
Shielding Gas: Not Applicable



Table 1 Welding Positions and Max. Diameter of Electrode

Butt Weld		Fillet Weld	
Flat:	6.0mm	Flat:	6.0mm
Horizontal:	5.0mm	Horizontal Vertical:	6.0mm
Overhead:	5.0mm	Horizontal:	5.0mm
Vertical Upward:	5.0mm	Horizontal Overhead:	5.0mm
Vertical Downward:	Not Applicable	Overhead:	5.0mm
		Vertical Upward:	5.0mm
		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 7 February 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.

<p>The validity of this certificate has been renewed until <u>7 FEB. 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 _____ .</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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