



# NIPPON KAIJI KYOKAI

Approval No. NKY-1706  
Certificate No. TA171224E

## Certificate

OF

### TYPE APPROVAL FOR WELDING CONSUMABLE

Brand: LB-M52  
Applicant: Kobe Steel Ltd., Saijo Plant  
Higashi-hiroshima, Hiroshima, Japan  
Manufacturer: Kobe Steel Ltd., Saijo Plant  
Higashi-hiroshima, Hiroshima, Japan  
Grade: KMW53H10  
Welding Process: Manual Welding  
Welding Positions and Max. Diameter of Electrode: See Table 1  
Current: AC and DCEP  
Shielding Gas: Not Applicable  
Applicable Parent Material: High Tensile Steels for Hull

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 24 May 2018.

Issued at Tokyo on 8 December 2017.

  
  
 H. Kobayashi  
 General Manager  
 Material and Equipment Department

Note : The validity of this certificate may be renewed by endorsement on the attached sheet upon completion of the annual inspections.

<p>The validity of this certificate has been renewed until <u>24 MAY 2019</u> .</p> <p>Date: <u>8 MAR 2018</u></p> <p> Surveyor</p> 	<p>The validity of this certificate has been renewed until <u>24 MAY.2024</u> .</p> <p>Date: <u>10 FEB.2023</u></p> <p> Surveyor</p> 
<p>The validity of this certificate has been renewed until <u>24 MAY.2020</u> .</p> <p>Date: <u>14 MAY.2019</u></p> <p> Surveyor</p> 	<p>The validity of this certificate has been renewed until <u>24 MAY.2025</u> .</p> <p>Date: <u>9 FEB.2024</u></p> <p> Surveyor</p> 
<p>The validity of this certificate has been renewed until <u>24 MAY.2021</u> .</p> <p>Date: <u>27 MAR. 2020</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>24 MAY.2022</u> .</p> <p>Date: <u>30 MAR. 2021</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>24 MAY.2023</u> .</p> <p>Date: <u>28 MAR. 2022</u></p> <p> Surveyor</p> 	<p>The validity of this certificate has been renewed until _____ .</p> <p>Date: _____</p> <p>_____ Surveyor</p>