



# NIPPON KAIJI KYOKAI

## Certificate

Approval No. NKY-3104  
Certificate No. TA22656E

### OF TYPE APPROVAL



Article: Welding Consumables for High Tensile Steels for Hull  
Brand: DW-S460LG / KL-4  
[Wire / Backing]  
Applicant: Kobe Steel, Ltd., Ibaraki Plant  
2-19, Higashi-Unobe-Cho, Ibaraki, Osaka, Japan  
Manufacturer: Kobe Steel, Ltd., Ibaraki Plant  
2-19, Higashi-Unobe-Cho, Ibaraki, Osaka, Japan  
Grade: KEW63Y47  
Welding Process: Electro-Gas Welding  
Welding Positions and Max. Diameter of Wire: See Table 1  
Current: DCEP  
Shielding Gas: CO<sub>2</sub>

Table 1 Welding Positions and Max. Diameter of Wire

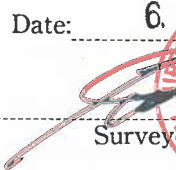

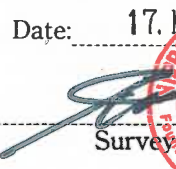

Butt Weld		Fillet Weld	
Flat:	Not Applicable	Flat:	Not Applicable
Horizontal:	Not Applicable	Horizontal Vertical:	Not Applicable
Overhead:	Not Applicable	Horizontal:	Not Applicable
Vertical Upward:	1.6mm	Horizontal Overhead:	Not Applicable
Vertical Downward:	Not Applicable	Overhead:	Not Applicable
		Vertical Upward:	Not Applicable
		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 28 August 2023.  
Issued at Tokyo on 23 August 2022.

  
  
 Y. Takao  
 General Manager  
 Material and Equipment Department

Note : (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 change of the requirement for impact test.

<p>The validity of this certificate has been renewed until <u>28. AUG. 2024</u> .</p> <p>Date: <u>6. MAR. 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>28. AUG. 2025</u> .</p> <p>Date: <u>17. MAR. 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>
<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>	<p>The validity of this certificate has been renewed until _____ .</p> <p>Date: _____</p> <p>_____ Surveyor</p>