



# NIPPON KAIJI KYOKAI

Approval No. NKY-2228  
Certificate No. TA20855E

## *Certificate* OF TYPE APPROVAL

Article: Welding Consumables for High Tensile Steels for Hull  
Brand: DW-100  
Applicant: Kobelco Welding of Korea Co., Ltd.  
Changwon, Gyeongnam, Korea  
Manufacturer: Kobelco Welding of Korea Co., Ltd.  
Changwon, Gyeongnam, Korea  
Grade: KSW52Y40G(C)H10  
Welding Process: Semi-Automatic Welding (MAG 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:	1.6mm	Flat:	1.6mm
		Horizontal Vertical:	1.6mm
Horizontal:	1.6mm	Horizontal:	1.6mm
Overhead:	1.6mm	Horizontal Overhead:	1.6mm
		Overhead:	1.6mm
Vertical Upward:	1.6mm	Vertical Upward:	1.6mm
Vertical Downward:	1.6mm	Vertical Downward:	1.6mm

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.

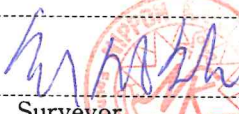

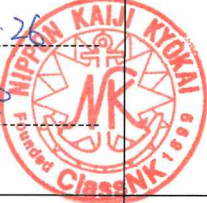
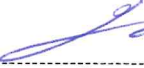


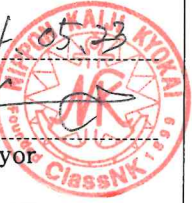
This Certificate will remain in force until 8 February 2022.

Issued at Tokyo on 28 May 2020.



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 applicant's name and the manufacturer's name.

<p>The validity of this certificate has been renewed until <u>2023.02.08</u> .</p> <p>Date: <u>2021.03.31</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>2024.02.08</u> .</p> <p>Date: <u>2022.05.26</u></p> <p><u>S.H. LEE</u> 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>2025.02.08</u> .</p> <p>Date: <u>2023.06.08</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>2026.02.08</u> .</p> <p>Date: <u>2024.05.23</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>