



NIPPON KAIJI KYOKAI

Approval No. NKY-2989
Certificate No. TA20863E

Certificate OF TYPE APPROVAL

Article: Welding Consumables for High Tensile Steels for Hull
Brand: DW-100KS
Applicant: Kobelco Welding of Korea Co., Ltd.
Changwon, Gyeongnam, Korea
Manufacturer: Kobelco Welding of Korea Co., Ltd.
Changwon, Gyeongnam, Korea
Grade: KSW54Y40G(C)H5
Welding Process: Semi-Automatic Welding (MAG Welding)
Welding Positions and Max. Diameter of Wire: See Table 1
Current: DCEP
Shielding Gas: CO₂

Table 1 Welding Positions and Max. Diameter of Wire

Butt Weld		Fillet Weld	
Flat:	1.4mm	Flat:	1.4mm
		Horizontal Vertical:	1.4mm
Horizontal:	1.4mm	Horizontal:	1.4mm
Overhead:	1.4mm	Horizontal Overhead:	1.4mm
		Overhead:	1.4mm
Vertical Upward:	1.4mm	Vertical Upward:	1.4mm
Vertical Downward:	1.4mm	Vertical Downward:	1.4mm

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.

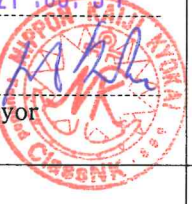
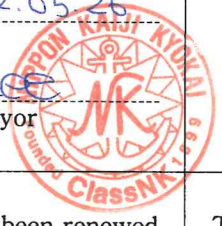
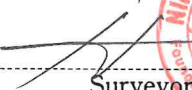
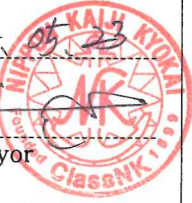
This Certificate will remain in force until 16 January 2022.

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.

The validity of this certificate has been renewed until <u>2023.01.16</u>. Date: <u>2021.03.31</u>  Surveyor 	The validity of this certificate has been renewed until _____. Date: _____ _____ Surveyor
The validity of this certificate has been renewed until <u>2024.01.16</u>. Date: <u>2022.05.26</u> <u>S.H. Lee</u> Surveyor 	The validity of this certificate has been renewed until _____. Date: _____ _____ Surveyor
The validity of this certificate has been renewed until <u>2025.01.16</u>. Date: <u>2023.06.08</u>  Surveyor 	The validity of this certificate has been renewed until _____. Date: _____ _____ Surveyor
The validity of this certificate has been renewed until <u>2026.01.16</u>. Date: <u>2024.05.23</u>  Surveyor 	The validity of this certificate has been renewed until _____. Date: _____ _____ Surveyor
The validity of this certificate has been renewed until <u>2027.01.16</u>. Date: <u>2025.05.29</u>  Surveyor 	The validity of this certificate has been renewed until _____. Date: _____ _____ Surveyor