

NIPPON KAIJI KYOKAI

Approval No. NKY-3083 Certificate No. TA201075E

Certificate TYPE APPROVAL

Article:

Welding Consumables for Steels for Low Temperature Service and High

Tensile Steels for Hull

Brand:

DW-55L

Applicant:

Kobelco Welding of Qingdao Co., Ltd.

Qingdao, Shandong, China

Manufacturer:

Kobelco Welding of Qingdao Co., Ltd.

Qingdao, Shandong, China

Grade:

KSWL3G(C)H5

KSW54Y40G(C)H5

Welding Process:

Semi-Automatic Welding (MAG Welding)

Welding Positions and Max. Diameter of Wire: See Table 1

Current:

DCEP

Shielding Gas:

 CO_2

Remark:

For annual inspection, mechanical properties are to comply with the

requirements specified in Table 2.

Table 1 Welding Positions and Max. Diameter of Wire for Both Grades

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 27 April 2021.

Issued at Tokyo on 16 September 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.

Table 2 Mechanical Properties

Deposited Metal Test						
Tensile Test			Impact Test			
Tensile strength (N/mm²)	Yield point (N/mm²)	Elongation (%)	Testing temperature (°C)	Minimum mean absorbed energy (J)		
510~660	400 min.	22 min.		47 34		

The validity of this certificate has been renewed 20 November 202/	The validity of this certificate has been renewed	
until 2/ April 2021	until 20 November 2022 .	
Date: 20 November 202	Date: 19 Wovember of	
The validity of this certificate has been renewed	The validity of this certificate has been renewed	
until 20 November 2023.	until 20 Movember 2024.	
Date: 18 November 2018 Surveyor	Date: /7 //aropher 13	
The validity of this certificate has been renewed	The validity of this certificate has been renewed	
until 20 Movember 2015.	until	
Date: 72 November 2014 Surveyor	Date:	
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