

NIPPON KAIJI KYOKAI

Approval No. NKY-2905 Certificate No. TA20862E Certificate

Article:

Welding Consumables for High Tensile Steels for Hull

Brand:

DW-S43G / KL-4

[Wire / Backing]

Applicant:

Kobelco Welding of Korea Co., Ltd.

Changwon, Gyeongnam, Korea

Manufacturer:

Kobelco Welding of Korea Co., Ltd.

Changwon, Gyeongnam, Korea

Grade:

KEW53

Welding Process:

Electro-Gas Welding

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

Current:

DCEP

Shielding Gas:

 CO_2

Table 1 Welding Positions and Max Diameter of Wire

Table 1 Welding Positions and Max. Diameter of wire					
Butt Weld		Fillet Weld			
Flat:	Not Applicable	Flat:	Not Applicable		
		Horizontal Vertical:	Not Applicable		
Horizontal:	Not Applicable	Horizontal:	Not Applicable		
Overhead:	Not Applicable	Horizontal Overhead:	Not Applicable		
		Overhead:	Not Applicable		
Vertical Upward:	1.6mm	Vertical Upward:	Not Applicable		
Vertical Downward:	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 12 May 2021.

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	The validity of this certificate has been renewed	
until 2022 .95, 12	until	
Date: 2021 03 31 Surveyor	Date:Surveyor	
The validity of this certificate has been renewed	The validity of this certificate has been renewed	
until 2023, 05, 12.	until	
Date: 2022.05.26	Date:	
The validity of this certificate has been renewed	The validity of this certificate has been renewed	
until 2024, 05, 12.	until	
Date: 2023 ,06, 0 8	Date:Surveyor	
The validity of this certificate has been renewed		
	The validity of this certificate has been renewed	
until 2025, 05, 12.	The validity of this certificate has been renewed until	
until 2025 05 12 . Date: 2024 523		
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Date: 2014, 833	until Date:	
Date: 23	Date:Surveyor	
Date: Date: Surveyor Surveyor The validity of this certificate has been renewed	Date: Surveyor The validity of this certificate has been renewed	



NIPPON KAIJI KYOKAI

Approval No. NKY-2989 Certificate No. TA20863E

Certificate OF TYPE APPROVAL



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:

 CO_2

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.