



NIPPON KAIJI KYOKAI

Approval No. NKY-3548
Certificate No. TA22260E

Certificate

OF TYPE APPROVAL

Article : Welding Consumables for High Tensile Steels for Hull
Brand : TWE-712
Applicant : TienTai Electrode (Kunshan) Co., Ltd.
No.189 Huayuan Road, Zhangpu Town, Kunshan City, Jiangsu
Province, China
Manufacturer : TienTai Electrode (Kunshan) Co., Ltd.
No.189 Huayuan Road, Zhangpu Town, Kunshan City, Jiangsu
Province, China
Grade : KSW53G(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:	1.4mm	Horizontal Vertical:	1.4mm
Overhead:	1.4mm	Horizontal:	1.4mm
		Horizontal Overhead:	1.4mm
		Overhead:	1.4mm
Vertical Upward:	1.4mm	Vertical Upward:	1.4mm
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 9 March 2023.

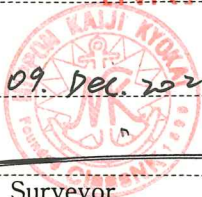
Issued at Tokyo on 10 March 2022.


Y. Takao
General Manager

Material and Equipment Department

Note : The validity of this certificate may be renewed by endorsement on the attached sheet upon completion of the annual inspections

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<p>The validity of this certificate has been renewed until <u>09 Mar. 2024</u> 09 Dec. 2023 [INK] .</p> <p>Date: <u>09 Dec. 2022</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>
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