NIPPON KAIJI KYOKAI

Approval No. NKY-3464
Certificate No. TA19403E

Certificate

OF
TYPE APPROVAL

Article	: Welding Consumables for High Tensile Steels for Hull
Brand	: MAGMAWELD ESB 48
Applicant	: OERLIKON KAYNAK ELEKTRODLARI VE SANAYI A. S. Yunusemre, Manisa, Turkey
Manufacturer	: OERLIKON KAYNAK ELEKTRODLARI VE SANAYI A. S. Yunusemre, Manisa, Turkey
Grade	: KMW53H10
Welding Process	: Manual Welding
Welding Positions and Max. Diameter of Electrode	: See Table 1
Current	: DCEP
Shielding Gas	: Not Applicable

Table 1 Welding Positions and Max. Diameter of Electrode

Butt Weld		Fillet Weld	
Flat:	5.0mm	Flat:	5.0mm
		Horizontal Vertical:	5.0mm
Horizontal:	5.0mm	Horizontal:	5.0mm
Overhead:	5.0mm	Horizontal Overhead:	5.0mm
		Overhead:	5.0mm
Vertical Upward:	5.0mm	Vertical Upward:	5.0mm
Vertical Downward:	5.0mm	Vertical Downward:	5.0mm

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 March 2020.
Issued at Tokyo on 28 March 2019.

H. Kobayashi
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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ıe validity of this certificate has been renewed until ~~29 April 2021~~ 27 March 2021. Date: 30.04.2020 Surveyor	The validity of this certificate has been renewed until 27 March 2022. Date: 28 April 2021 Surveyor
The validity of this certificate has been renewed until 27 March 2023. Date: 06.09.2022 Surveyor	The validity of this certificate has been renewed until 27 March 2024. Date: 15 May 2023 Surveyor
The validity of this certificate has been renewed until 27 March 2025. Date: 24 May 2024 Surveyor	The validity of this certificate has been renewed until 27 March 2026. Date: 26 June 2025 Surveyor
The validity of this certificate has been renewed until 27 March 2027. Date: 01 July 2026 Surveyor	The validity of this certificate has been renewed until .... Date: ..... Surveyor
The validity of this certificate has been renewed until .... Date: ..... Surveyor	The validity of this certificate has been renewed until .... Date: ..... Surveyor