



# 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:	5.0mm	Horizontal Vertical:	5.0mm
Overhead:	5.0mm	Horizontal:	5.0mm
Vertical Upward:	5.0mm	Horizontal Overhead:	5.0mm
Vertical Downward:	5.0mm	Overhead:	5.0mm
		Vertical Upward:	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.

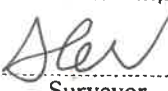

Issued at Tokyo on 28 March 2019.

  
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.

Certificate No. TA19403E

<p>The validity of this certificate has been renewed until <del>29 April 2021</del> ..... 27 March 2021 Date: 30.04.2020  ..... Surveyor</p>	<p>The validity of this certificate has been renewed until 27 March 2022 ..... Date: 28 April 2021  ..... Surveyor</p>
<p>The validity of this certificate has been renewed until ..... Date: ..... ..... Surveyor</p>	<p>The validity of this certificate has been renewed until ..... Date: ..... ..... Surveyor</p>
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