



# NIPPON KAIJI KYOKAI

## Certificate OF TYPE APPROVAL

Approval No. NKY-3544  
Certificate No. TA22125E

Article: Welding Consumables for High Tensile Steels for Hull  
Brand: MAGMAWELD FCW 13  
Applicant: OERLIKON KAYNAK ELEKTRODLARI VE SANAYI A. S.  
Organize San Bolgesi 2. Kisim Gaziler Cd Yunusemre, Manisa, Turkey  
Manufacturer: OERLIKON KAYNAK ELEKTRODLARI VE SANAYI A. S.  
Organize San Bolgesi 2. Kisim Gaziler Cd Yunusemre, Manisa, Turkey  
Grade: KSW53G(C)H5  
KSW53G(M2)H5  
Welding Process: Semi-Automatic Welding (MAG Welding)  
Welding Positions and Max. Diameter of Wire: See Table 1  
Current: DCEP  
Shielding Gas: CO<sub>2</sub> or Ar + CO<sub>2</sub>


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

Butt Weld		Fillet Weld	
Flat:	1.6mm	Flat:	1.6mm
Horizontal:	1.6mm	Horizontal Vertical:	1.6mm
Overhead:	1.6mm	Horizontal:	1.6mm
Vertical Upward:	1.6mm	Horizontal Overhead:	1.6mm
Vertical Downward:	1.6mm	Overhead:	1.6mm
		Vertical Upward:	1.6mm
		Vertical Downward:	1.6mm

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 14 October 2022.  
Issued at Tokyo on 15 October 2021.



  
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.