



# NIPPON KAIJI KYOKAI

## *Certificate*

OF

### TYPE APPROVAL

Approval No. NKY-3659  
Certificate No. TA24767E

Article : Welding Consumables for High Tensile Steels for Hull  
Brand : US-36(×4) / PF-I55E / PF-I50R / M-GRITS58  
[Wire / Flux / Backing Flux / Metal Powder]  
Applicant : Kobe Steel, Ltd., Fukuchiyama Plant  
3-36, Osadano-Cho, Fukuchiyama, Kyoto, Japan  
Manufacturer : Kobe Steel, Ltd., Fukuchiyama Plant  
3-36, Osadano-Cho, Fukuchiyama, Kyoto, Japan  
Grade : KAW53SP  
Welding Process : Submerged Arc One-Side Welding  
Welding Positions and Max. Diameter of Wire : See Table 1  
Current : AC  
Shielding Gas : Not Applicable

Table 1 Welding Positions and Max. Diameter of Wire

Butt Weld		Fillet Weld	
Flat:	6.4mm	Flat:	Not Applicable
Horizontal:	Not Applicable	Horizontal Vertical:	Not Applicable
Overhead:	Not Applicable	Horizontal:	Not Applicable
Vertical Upward:	Not Applicable	Horizontal Overhead:	Not Applicable
Vertical Downward:	Not Applicable	Overhead:	Not Applicable
		Vertical Upward:	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 20 June 2025.

Issued at Tokyo on 21 June 2024.

  
  
 M. Irisawa  
 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.