



NIPPON KAIJI KYOKAI

Certificate

OF

TYPE APPROVAL

Approval No. NKY-1053
Certificate No. TA201112E

Article: Welding Consumables for High Strength Rolled Steels for Offshore Structures
Brand: LB-62
Applicant: Kobe Steel, Ltd., Ibaraki Plant
Ibaraki, Osaka, Japan
Manufacturer: Kobe Steel, Ltd., Ibaraki Plant
Ibaraki, Osaka, Japan
Grade: KMW3Y50H10
Welding Process: Manual Welding
Welding Positions and Max. Diameter of Electrode: See Table 1
Current: AC and DCEP
Shielding Gas: Not Applicable

Table 1 Welding Positions and Max. Diameter of Electrode

Butt Weld		Fillet Weld	
Flat:	6.0mm	Flat:	6.0mm
Horizontal:	5.0mm	Horizontal Vertical:	6.0mm
Overhead:	5.0mm	Horizontal:	5.0mm
		Horizontal Overhead:	5.0mm
		Overhead:	5.0mm
Vertical Upward:	5.0mm	Vertical Upward:	5.0mm
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 25 March 2021.

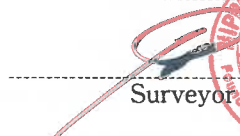
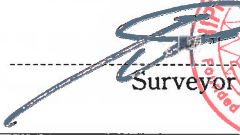
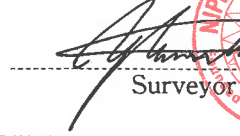
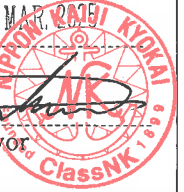
Issued at Tokyo on 25 September 2020.




Y. Takao
General Manager
Material and Equipment Department

- Notes (1) The validity of this certificate may be renewed by endorsement on the attached sheet upon completion of the annual inspections.
(2) This certificate was rewritten because of addition of current.

Certificate No. TA201112E

The validity of this certificate has been renewed until <u>25. MAR. 2022</u>. Date: <u>5. MAR. 2021</u>  Surveyor 	The validity of this certificate has been renewed until <u>3. MAR. 2027</u>. Date: <u>10. MAR. 2026</u> Surveyor
The validity of this certificate has been renewed until <u>25. MAR. 2023</u>. Date: <u>7. MAR. 2022</u>  Surveyor 	The validity of this certificate has been renewed until <u>25. MAR. 2027</u>. Date: <u>10. MAR. 2026</u>  Surveyor 
The validity of this certificate has been renewed until <u>25. MAR. 2024</u>. Date: <u>6. MAR. 2023</u>  Surveyor 	The validity of this certificate has been renewed until _____. Date: _____ Surveyor
The validity of this certificate has been renewed until <u>25. MAR. 2025</u>. Date: <u>6. MAR. 2024</u>  Surveyor 	The validity of this certificate has been renewed until _____. Date: _____ Surveyor
The validity of this certificate has been renewed until <u>25. MAR. 2026</u>. Date: <u>7. MAR. 2025</u>  Surveyor 	The validity of this certificate has been renewed until _____. Date: _____ Surveyor