



NIPPON KAIJI KYOKAI

Approval No. NKY-3367
Certificate No. TA20176E

Certificate
OF
TYPE APPROVAL

Article : Welding Consumables for High Strength Rolled Steels for Offshore Structures
Brand : DW-62L
Applicant : Kobe Steel, Ltd., Ibaraki Plant
Ibaraki, Osaka, Japan
Manufacturer : Kobe Steel, Ltd., Ibaraki Plant
Ibaraki, Osaka, Japan
Grade : KSW5Y50G(C)H5
Welding Process : Semi-Automatic Welding (MAG Welding)
Welding Positions and Max. Diameter of Wire : See Table 1
Current : DCEP
Shielding Gas : CO₂

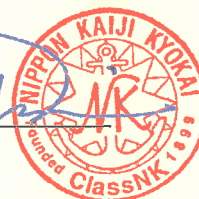
Table 1 Welding Positions and Max. Diameter of Wire

Butt Weld		Fillet Weld	
Flat:	1.2mm	Flat:	1.2mm
Horizontal:	1.2mm	Horizontal Vertical:	1.2mm
Overhead:	1.2mm	Horizontal:	1.2mm
Vertical Upward:	1.2mm	Horizontal Overhead:	1.2mm
Vertical Downward:	Not Applicable	Overhead:	1.2mm
		Vertical Upward:	1.2mm
		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.

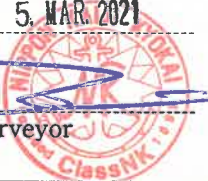
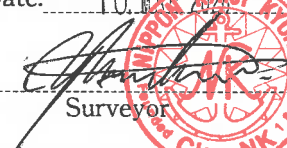
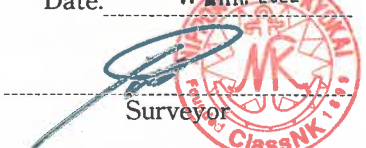
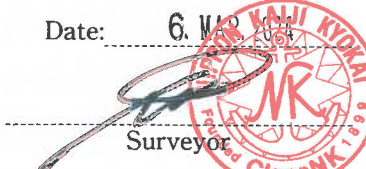
This Certificate will remain in force until 27 June 2020.
Issued at Tokyo on 17 February 2020.


H. Kobayashi
General Manager
Material and Equipment Department



Note : (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 welding positions.

Certificate No. TA20176

The validity of this certificate has been renewed until <u>27. JUN. 2021</u> . Date: <u>6. MAR. 2020</u>  Surveyor 	The validity of this certificate has been renewed until <u>27. JUN. 2026</u> . Date: <u>7. MAR. 2025</u>  Surveyor 
The validity of this certificate has been renewed until <u>27. JUN. 2022</u> . Date: <u>5. MAR. 2021</u>  Surveyor 	The validity of this certificate has been renewed until <u>27. JUN. 2027</u> . Date: <u>10. MAR. 2026</u>  Surveyor 
The validity of this certificate has been renewed until <u>27. JUN. 2023</u> . Date: <u>7. MAR. 2022</u>  Surveyor 	The validity of this certificate has been renewed until _____ . Date: _____ _____ Surveyor
The validity of this certificate has been renewed until <u>27. JUN. 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>27. JUN. 2025</u> . Date: <u>6. MAR. 2024</u>  Surveyor 	The validity of this certificate has been renewed until _____ . Date: _____ _____ Surveyor