



NIPPON KAIJI KYOKAI

Approval No. NKY-3368
Certificate No. TA181355E

Certificate
OF
TYPE APPROVAL

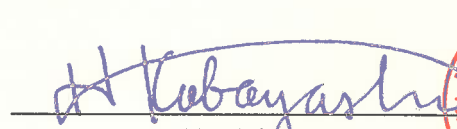
Article : Welding Consumables
Brand : DW-100R
Applicant : Kobe Steel Ltd., Ibaraki Plant
Ibaraki, Osaka, Japan
Manufacturer : Kobe Steel Ltd., Ibaraki Plant
Ibaraki, Osaka, Japan
Grade : KSW52Y40G(C)H10
Welding Process : Semi-Automatic Welding (MAG Welding)
Welding Positions and Max. Diameter of Wire : See Table 1
Current : DCEP
Shielding Gas : CO₂
Applicable Parent Material : High Tensile Steels for Hull

Table 1 Welding Positions and Max. Diameter of Wire

Butt Weld		Fillet Weld	
Flat:	1.4mm	Flat:	1.4mm
Horizontal:	1.4mm	Horizontal Vertical:	1.4mm
Overhead:	1.4mm	Horizontal:	1.4mm
Vertical Upward:	1.4mm	Horizontal Overhead:	1.4mm
Vertical Downward:	1.4mm	Overhead:	1.4mm
		Vertical Upward:	1.4mm
		Vertical Downward:	1.4mm

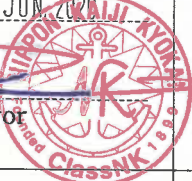
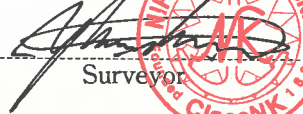
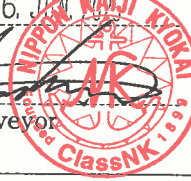
THIS IS TO CERTIFY that the above mentioned welding consumable has been approved by the NIPPON KAIJI KYOKAI in accordance with the requirements of the Society's Rules.

This Certificate will remain in force until 27 June 2019.
Issued at Tokyo on 22 November 2018.


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.

The validity of this certificate has been renewed until <u>27. JUN. 2020</u> . Date: <u>8. NOV. 2019</u>  Surveyor 	The validity of this certificate has been renewed until <u>27. JUN. 2025</u> . Date: <u>21. JUN. 2024</u>  Surveyor 
The validity of this certificate has been renewed until <u>27. JUN. 2021</u> . Date: <u>29. JUN. 2020</u>  Surveyor 	The validity of this certificate has been renewed until <u>27. JUN. 2026</u> . Date: <u>26. JUN. 2025</u>  Surveyor 
The validity of this certificate has been renewed until <u>27. JUN. 2022</u> . Date: <u>28. JUN. 2021</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. 2023</u> . Date: <u>27. JUN. 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>26. JUN. 2023</u>  Surveyor 	The validity of this certificate has been renewed until _____ . Date: _____ _____ Surveyor