



NIPPON KAIJI KYOKAI

Approval No. NKY-2119
Certificate No. TA18189E

Certificate

OF

TYPE APPROVAL FOR WELDING CONSUMABLE

Brand: DW-309LP
Applicant: Kobe Steel Ltd., Fujisawa Plant
Fujisawa, Kanagawa, Japan
Manufacturer: Kobe Steel Ltd., Fujisawa Plant
Fujisawa, Kanagawa, Japan
Grade: KW309LG(C)
Welding Process: MAG Welding
Welding Positions and Max. Diameter of Wire: See Table 1
Current: DCEP
Shielding Gas: CO₂
Applicable Parent Material: Stainless Steels

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: | 1.2mm | Overhead: | 1.2mm |
| | | Vertical Upward: | 1.2mm |
| | | Vertical Downward: | 1.2mm |

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 13 December 2018.

Issued at Tokyo on 9 February 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.

Note: This certificate was rewritten because of addition of welding positions.

Certificate No. TA18189E

| | |
|--|--|
| <p>The validity of this certificate has been renewed until <u>13 Dec. 2019</u>.</p> <p>Date: <u>4 DEC 2018</u></p> <p><u>J. Kishida</u> Surveyor</p> | <p>The validity of this certificate has been renewed until _____.</p> <p>Date: _____</p> <p>_____ Surveyor</p> |
| <p>The validity of this certificate has been renewed until <u>13 Dec. 2020</u>.</p> <p>Date: <u>4 DEC 2019</u></p> <p><u>J. Kishida</u> Surveyor</p> | <p>The validity of this certificate has been renewed until _____.</p> <p>Date: _____</p> <p>_____ Surveyor</p> |
| <p>The validity of this certificate has been renewed until <u>13 Dec. 2021</u>.</p> <p>Date: <u>4 Dec 2020</u></p> <p><u>J. Kishida</u> Surveyor</p> | <p>The validity of this certificate has been renewed until _____.</p> <p>Date: _____</p> <p>_____ Surveyor</p> |
| <p>The validity of this certificate has been renewed until <u>13 Dec. 2022</u>.</p> <p>Date: <u>6 DEC 2021</u></p> <p><u>J. Kishida</u> Surveyor</p> | <p>The validity of this certificate has been renewed until _____.</p> <p>Date: _____</p> <p>_____ Surveyor</p> |
| <p>The validity of this certificate has been renewed until <u>13 Dec. 2023</u>.</p> <p>Date: <u>5 Dec 2022</u></p> <p><u>J. Kishida</u> Surveyor</p> | <p>The validity of this certificate has been renewed until _____.</p> <p>Date: _____</p> <p>_____ Surveyor</p> |