



NIPPON KAIJI KYOKAI

*Certificate**OF**TYPE APPROVAL*

Approval No. NKY-3514
Certificate No. TA201039E

Article: Welding Consumables for Stainless Steels
Brand: US-2209 / PF-S1D
[Wire / Flux]
Applicant: Kobe Steel Ltd., Fukuchiyama Plant
Fukuchiyama, Kyoto, Japan
Manufacturer: Kobe Steel Ltd., Fukuchiyama Plant
Fukuchiyama, Kyoto, Japan
Grade: Manufacturer's Specification
Welding Process: Submerged Arc Welding
Technique: Multi-Run
Welding Positions and Max. Diameter of Wire: See Table 1
Current: AC and DCEP
Shielding Gas: Not Applicable
Applicable Grade of Parent Material: KSUS323L, KSUS329J1L, KSUS329J3L, KSUS821L1
and Equivalent Steels
Remarks: Chemical composition and mechanical properties of deposited metal as well as tensile strength of butt joint are the same as that of KW2209 specified in 6.7, Chapter 6, Part M of the NK Rules.

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 10 September 2021.

Issued at Tokyo on 11 September 2020.



Y. Takao
General Manager
Material and Equipment Department

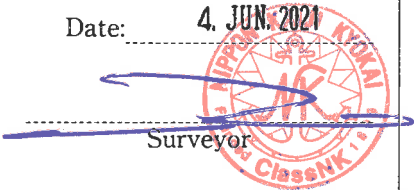
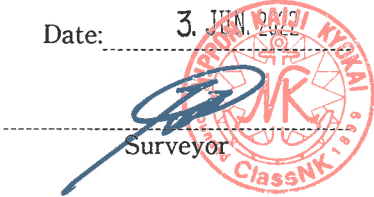
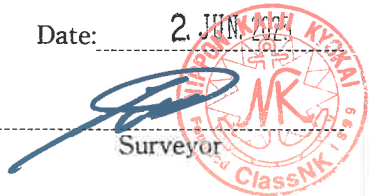
Note : The validity of this certificate may be renewed by endorsement on the attached sheet upon completion of the annual inspections.

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Table 1 Welding Positions and Max. Diameter of Wire

Butt Weld		Fillet Weld	
Flat:	4.0mm	Flat:	Not Applicable
		Horizontal Vertical:	Not Applicable
Horizontal:	Not Applicable	Horizontal:	Not Applicable
Overhead:	Not Applicable	Horizontal Overhead:	Not Applicable
		Overhead:	Not Applicable
Vertical Upward:	Not Applicable	Vertical Upward:	Not Applicable
Vertical Downward:	Not Applicable	Vertical Downward:	Not Applicable

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<p>The validity of this certificate has been renewed until 10. SEP. 2022 .</p> <p>Date: 4. JUN. 2021</p> <p> 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 10. SEP. 2023 .</p> <p>Date: 3. JUN. 2023</p> <p> 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 10. SEP. 2024 .</p> <p>Date: 2. JUN. 2024</p> <p> 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 .</p> <p>Date: .</p> <p>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 .</p> <p>Date: .</p> <p>Surveyor</p>	<p>The validity of this certificate has been renewed until .</p> <p>Date: .</p> <p>Surveyor</p>