



NIPPON KAIJI KYOKAI

COPY

Certificate

OF


TYPE APPROVAL

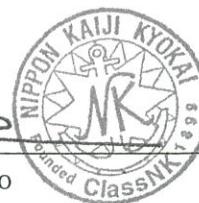
Approval No. NKY-3516
Certificate No. TA201154E

Article: Welding Consumables for Steels for Low Temperature Service
Brand: NITTETSU FILLER 196
Applicant: NIPPON STEEL WELDING & ENGINEERING CO., LTD.
Narashino Plant
Narashino, Chiba, Japan
Manufacturer: NIPPON STEEL WELDING & ENGINEERING CO., LTD.
Narashino Plant
Narashino, Chiba, Japan
Grade: KSWL91G(I)
KAWL91MG(I)
Welding Process: TIG Welding
Welding Positions and Max. Diameter of Wire: See Table 1 and Table 2
Current: DCEN
Shielding Gas: Ar
Applicable Thickness of Parent Material: Max. 13mm

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 9 September 2021.
Issued at Tokyo on 10 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.

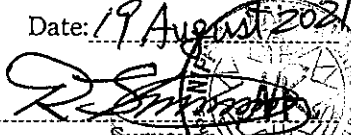
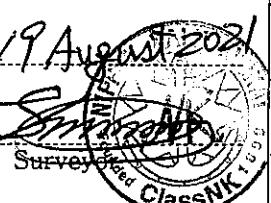
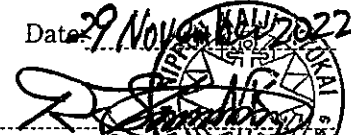


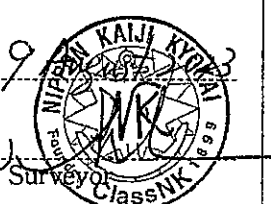


Table 1 Welding Positions and Max. Diameter of Wire for KSWL91G(I)

Butt Weld		Fillet Weld	
Flat:	2.4mm	Flat:	Not Applicable
Horizontal:	2.4mm	Horizontal Vertical:	Not Applicable
Overhead:	2.4mm	Horizontal:	Not Applicable
Vertical Upward:	2.4mm	Horizontal Overhead:	Not Applicable
Vertical Downward:	Not Applicable	Overhead:	Not Applicable
		Vertical Upward:	Not Applicable
		Vertical Downward:	Not Applicable

Table 2 Welding Positions and Max. Diameter of Wire for KAWL91MG(I)

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

Certificate No. TA201154E

<p>The validity of this certificate has been renewed until <u>9 September 2022</u>.</p> <p>Date: <u>19 August 2021</u></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 <u>9 September 2023</u>.</p> <p>Date: <u>29 November 2022</u></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 <u>9 September 2024</u>.</p> <p>Date: <u>9 September 2023</u></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 <u>9 September 2025</u>.</p> <p>Date: <u>25 June 2024</u></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>