



NIPPON KAIJI KYOKAI

Approval No. NKY-1610
Certificate No. TA161053E

Certificate

OF

TYPE APPROVAL FOR WELDING CONSUMABLE

Brand: TG-S1N
 Applicant: Kobe Steel Ltd., Fukuchiyama Plant
 Fukuchiyama, Kyoto, Japan
 Manufacturer: Kobe Steel Ltd., Fukuchiyama Plant
 Fukuchiyama, Kyoto, Japan
 Grade: KSWL2G(I)
 Welding Process: TIG Welding
 Welding Positions and Max. Diameter of Filler Rod: See Table
 Current: DCEN
 Shielding Gas: Ar
 Applicable Parent Material: Steels for Low Temperature Service

Table Welding Positions and Max. Diameter of Filler Rod

Butt Weld		Fillet Weld	
Flat:	3.2mm	Flat:	3.2mm
Horizontal:	3.2mm	Horizontal Vertical:	3.2mm
Overhead:	3.2mm	Horizontal:	3.2mm
Vertical Upward:	3.2mm	Horizontal Overhead:	3.2mm
Vertical Downward:	Not Applicable	Overhead:	3.2mm
		Vertical Upward:	3.2mm
		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 1 April 2017.

Issued at Tokyo on 31 August 2016.



T. Imamura



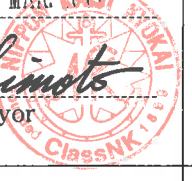
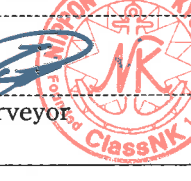

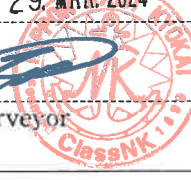
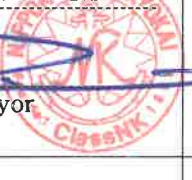

General Manager

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.

Certificate No. TA161053E

Note: This certificate was rewritten because of change of Max. Diameter of Filler Rod.

<p>The validity of this certificate has been renewed until <u>1. APR. 2018</u> .</p> <p>Date: <u>29. MAR. 2018</u></p> <p><u>K. Akimoto</u> Surveyor</p> 	<p>The validity of this certificate has been renewed until <u>1. APR. 2023</u> .</p> <p>Date: <u>28. MAR. 2022</u></p> <p><u>[Signature]</u> Surveyor</p> 
<p>The validity of this certificate has been renewed until <u>1. APR. 2019</u> .</p> <p>Date: <u>30. MAR. 2018</u></p> <p><u>K. Akimoto</u> Surveyor</p> 	<p>The validity of this certificate has been renewed until <u>1. APR. 2024</u> .</p> <p>Date: <u>28. MAR. 2023</u></p> <p><u>[Signature]</u> Surveyor</p> 
<p>The validity of this certificate has been renewed until <u>1. APR. 2020</u> .</p> <p>Date: <u>30. AUG. 2019</u></p> <p><u>[Signature]</u> Surveyor</p> 	<p>The validity of this certificate has been renewed until <u>1. APR. 2025</u> .</p> <p>Date: <u>29. MAR. 2024</u></p> <p><u>[Signature]</u> Surveyor</p> 
<p>The validity of this certificate has been renewed until <u>1. APR. 2021</u> .</p> <p>Date: <u>27. MAR. 2020</u></p> <p><u>[Signature]</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>1. APR. 2022</u> .</p> <p>Date: <u>21. JUL. 2021</u></p> <p><u>[Signature]</u> Surveyor</p> 	<p>The validity of this certificate has been renewed until _____ .</p> <p>Date: _____</p> <p>_____ Surveyor</p>