



NIPPON KAIJI KYOKAI

Approval No. NKY-3130
Certificate No. TA16970E

Certificate

OF

TYPE APPROVAL FOR WELDING CONSUMABLE

Brand: HS-42G
Applicant: Kobe Steel, Ltd., Ibaraki Plant
Ibaraki, Osaka, Japan
Manufacturer: Kobe Steel, Ltd., Ibaraki Plant
Ibaraki, Osaka, Japan
Grade: KEW53
Welding Process: Electro-gas Welding
Welding Positions and Max. Diameter of Wire: See Table 1
Current: AC and 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:	Not Applicable	Flat:	Not Applicable
Horizontal:	Not Applicable	Horizontal Vertical:	Not Applicable
Overhead:	Not Applicable	Horizontal:	Not Applicable
Vertical Upward:	3.2mm	Horizontal Overhead:	Not Applicable
Vertical Downward:	Not Applicable	Overhead:	Not Applicable
		Vertical Upward:	Not Applicable
		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 27 May 2017.

Issued at Tokyo on 9 May 2016.



T. Imamura

General Manager


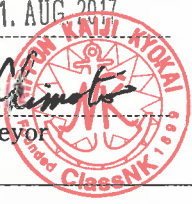
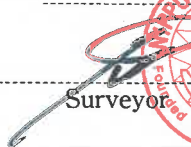



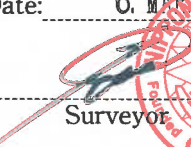


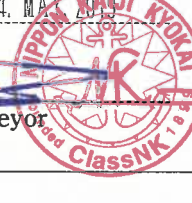

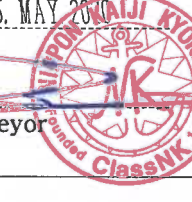
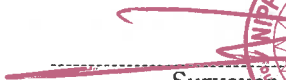

Material and Equipment Department

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

Certificate No. TA16970E

Note: This certificate was rewritten because of change of grade of welding consumable.

Certificate No. TA16970E

<p>The validity of this certificate has been renewed until 27. MAY. 2018 .</p> <p>Date: 31. AUG. 2017</p> <p> Surveyor</p> 	<p>The validity of this certificate has been renewed until 27. MAY. 2023 .</p> <p>Date: 16. MAY. 2022</p> <p> Surveyor</p> 
<p>The validity of this certificate has been renewed until 27. MAY. 2019 .</p> <p>Date: 14. MAY. 2018</p> <p> Surveyor</p> 	<p>The validity of this certificate has been renewed until 27. MAY. 2024 .</p> <p>Date: 6. MAR. 2023</p> <p> Surveyor</p> 
<p>The validity of this certificate has been renewed until 27. MAY. 2020 .</p> <p>Date: 14. MAY. 2019</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 27. MAY. 2021 .</p> <p>Date: 15. MAY. 2020</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 27. MAY. 2022 .</p> <p>Date: 14. MAY. 2021</p> <p> Surveyor</p> 	<p>The validity of this certificate has been renewed until .</p> <p>Date: .</p> <p>Surveyor</p>