



NIPPON KAIJI KYOKAI

Certificate

Approval No. NKY-3104
Certificate No. TA131315E

OF

TYPE APPROVAL FOR WELDING CONSUMABLE

Brand : DW-S460LG / KL-4
[Wire / Backing]
Manufacturer : Kobe Steel, Ltd., Ibaraki Plant
Ibaraki, Osaka, Japan
Kind : Electro-gas Welding Consumable
Purpose : For High Tensile Steel
Approval Condition
Grade : KEW63Y47
Current : DCEP
Position : Vertical Upward
Max. Dia. of Wire : 1.6mm
Shield Gas : CO₂
Remarks : For annual inspection, tensile test, longitudinal tensile test and impact test are to comply with the requirements of Table 1.

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 28 August 2014.
Issued at Tokyo on 2 December 2013.



T. Imamura

General Manager







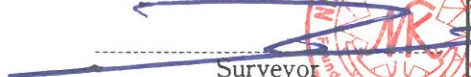









Material and Equipment Department

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

Table 1 Test Requirements

Tensile Test	Longitudinal Tensile Test			Impact test	
Tensile Strength (N/mm ²)	Tensile Strength (N/mm ²)	Yield Point (N/mm ²)	Elongation (%)	Testing temperature (°C)	Minimum mean absorbed energy (J)
570 min.	570 ~ 720	460 min.	19 min.	-20	53

Note: This certificate was rewritten because of deletion of Max. Applicable Plate Thickness.

<p>The validity of this certificate has been renewed until <u>28. AUG. 2015</u> .</p> <p>Date: <u>28. MAY 2014</u></p> <p> Surveyor</p> 	<p>The validity of this certificate has been renewed until <u>28. AUG. 2020</u> .</p> <p>Date: <u>30. AUG. 2019</u></p> <p> Surveyor</p> 
<p>The validity of this certificate has been renewed until <u>28. AUG. 2016</u> .</p> <p>Date: <u>8. MAY 2015</u></p> <p> Surveyor</p> 	<p>The validity of this certificate has been renewed until <u>28. AUG. 2021</u> .</p> <p>Date: <u>15. MAY 2020</u></p> <p> Surveyor</p> 
<p>The validity of this certificate has been renewed until <u>28. AUG. 2017</u> .</p> <p>Date: <u>9. MAY 2016</u></p> <p> Surveyor</p> 	<p>The validity of this certificate has been renewed until <u>28. AUG. 2022</u> .</p> <p>Date: <u>14. MAY 2021</u></p> <p> Surveyor</p> 
<p>The validity of this certificate has been renewed until <u>28. AUG. 2018</u> .</p> <p>Date: <u>20. DEC. 2017</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>28. AUG. 2019</u> .</p> <p>Date: <u>14. MAY 2018</u></p> <p> Surveyor</p> 	<p>The validity of this certificate has been renewed until _____ .</p> <p>Date: _____</p> <p>_____ Surveyor</p>