



NIPPON KAIJI KYOKAI

Certificate

Approval No. NKY-1604
Certificate No. TA17288E

OF TYPE APPROVAL FOR WELDING CONSUMABLE

Brand: DW-309MoL
Applicant: Kobe Steel Ltd., Fujisawa Plant
Fujisawa, Kanagawa, Japan
Manufacturer: Kobe Steel Ltd., Fujisawa Plant
Fujisawa, Kanagawa, Japan
Grade: KW309MoLG(C)
KW309MoLG(C)-YP315M-TS550M
Welding Process: Semi-Automatic Welding (MAG Welding)
Welding Positions and Max. Diameter of Wire: See Table 1
Current: DCEP
Shielding Gas: CO₂
Applicable Parent Material: Stainless Steels
Remarks: Mechanical properties are to comply with the requirements specified in Table 2.



Table 1 Welding Positions and Max. Diameter of Wire (for Both Grades)

Butt Weld		Fillet Weld	
Flat:	1.6mm	Flat:	1.6mm
Horizontal:	1.6mm	Horizontal Vertical:	1.6mm
Overhead:	Not Applicable	Horizontal:	1.6mm
Vertical Upward:	1.6mm	Horizontal Overhead:	Not Applicable
Vertical Downward:	Not Applicable	Overhead:	Not Applicable
		Vertical Upward:	1.6mm
		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 13 December 2017.

Issued at Tokyo on 20 December 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.

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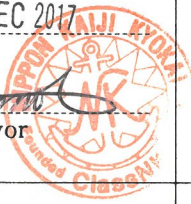





Table 2 Mechanical Properties

Deposited Metal Test			Butt Weld Test
Tensile Test			Tensile test
Tensile strength (N/mm ²)	Yield point (N/mm ²)	Elongation (%)	Tensile strength (N/mm ²)
550 min.	315 min.	36 min.	550 min.

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

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<p>The validity of this certificate has been renewed until <u>13 December 2018</u> .</p> <p>Date: <u>20 DEC 2017</u></p> <p><u>J. Kotake</u> Surveyor</p> 	<p>The validity of this certificate has been renewed until <u>13 Dec. 2023</u> .</p> <p>Date: <u>5 Dec. 2022</u></p> <p><u>J. Kotake</u> Surveyor</p> 
<p>The validity of this certificate has been renewed until <u>13 Dec. 2019</u> .</p> <p>Date: <u>4 DEC 2018</u></p> <p><u>J. Kotake</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>13 Dec. 2020</u> .</p> <p>Date: <u>4 DEC 2019</u></p> <p><u>J. Kotake</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>13 Dec. 2021</u> .</p> <p>Date: <u>4 Dec 2020</u></p> <p><u>J. Kotake</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>13 Dec. 2022</u> .</p> <p>Date: <u>6 DEC 2021</u></p> <p><u>J. Kotake</u> Surveyor</p> 	<p>The validity of this certificate has been renewed until _____ .</p> <p>Date: _____</p> <p>_____ Surveyor</p>