



COPY

NIPPON KAIJI KYOKAI

Certificate

OF

TYPE APPROVAL

Approval No. NKY-3299
Certificate No. TA20420E

Article:	Welding Consumables for High Strength Rolled Steels for Offshore Structures
Brand:	Y-80J / NB-250J [Wire / Flux]
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:	KAW4Y69MH5
Welding Process:	Submerged Arc Welding
Welding Positions and Max. Diameter of Wire:	See Table 1 and 2
Current:	AC and DCEP
Shielding Gas:	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 17 March 2021.
Issued at Tokyo on 18 March 2020.



 H. Kobayashi
 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.
This certificate was rewritten because of change of grade of welding consumable.





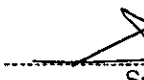

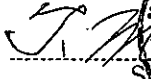

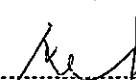

Table 1 Welding Positions and Max. Diameter of Wire for AC

Butt Weld		Fillet Weld	
Flat:	4.0mm	Flat:	4.0mm
Horizontal:	Not Applicable	Horizontal Vertical:	4.0mm
Overhead:	Not Applicable	Horizontal:	Not Applicable
Vertical Upward:	Not Applicable	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 DCEP

Butt Weld		Fillet Weld	
Flat:	4.0mm	Flat:	4.0mm
Horizontal:	3.2mm	Horizontal Vertical:	4.0mm
Overhead:	Not Applicable	Horizontal:	3.2mm
Vertical Upward:	Not Applicable	Horizontal Overhead:	Not Applicable
Vertical Downward:	Not Applicable	Overhead:	Not Applicable
		Vertical Upward:	Not Applicable
		Vertical Downward:	Not Applicable

Certificate No. TA20420E

<p>The validity of this certificate has been renewed until <u>17 March 2022</u>.</p> <p>Date: <u>18</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>17 March 2023</u>.</p> <p>Date: <u>20</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>17 March 2024</u>.</p> <p>Date: <u>26</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>17 March 2025</u>.</p> <p>Date: <u>4</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>17 March 2026</u>.</p> <p>Date: <u>22</u></p> <p> Surveyor</p> 	<p>The validity of this certificate has been renewed until _____.</p> <p>Date: _____</p> <p>_____ Surveyor</p>