



# NIPPON KAIJI KYOKAI

## Certificate

Approval No. NKY-3318  
Certificate No. TA17928E

O F  
T Y P E   A P P R O V A L   F O R   W E L D I N G   C O N S U M A B L E

Brand: Dual Shield 80EG  
Applicant: ESAB SeAH Corp.  
Changwon, Gyeongsangnam, Korea  
Manufacturer: ESAB SeAH Corp.  
Changwon, Gyeongsangnam, Korea  
Grade: KSW53G(C)H5  
Welding Process: Semi-Automatic Welding (MAG Welding)  
Welding Positions and Max. Diameter of Wire: See Table 1 below  
Current: DCEP  
Shielding Gas: CO<sub>2</sub>  
Applicable Parent Material: High Tensile Steels for Hull

Table 1 Welding Positions and Max. Diameter of Wire

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:	Not Applicable	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 17 July 2018.







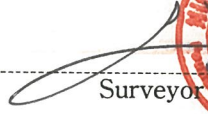



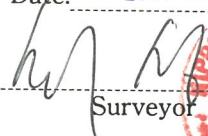
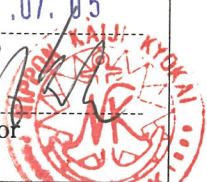
Issued at Tokyo on 25 July 2017.

  
  
 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.

NKY-3318

Certificate No. TA17928E

<p>The validity of this certificate has been renewed until <u>2018. 07. 17</u> .</p> <p>Date: <u>2017. 07. 25</u></p> <p> Surveyor</p> 	<p>The validity of this certificate has been renewed until <u>2023. 07. 17</u> .</p> <p>Date: <u>2022. 08. 24</u></p> <p> Surveyor</p> 
<p>The validity of this certificate has been renewed until <u>2019. 07. 17</u> .</p> <p>Date: <u>2018. 08. 21</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>2020. 07. 17</u> .</p> <p>Date: <u>2019. 09. 25</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>2021. 07. 17</u> .</p> <p>Date: <u>2020. 08. 14</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>2022. 07. 17</u> .</p> <p>Date: <u>2021. 07. 05</u></p> <p> Surveyor</p> 	<p>The validity of this certificate has been renewed until _____ .</p> <p>Date: _____</p> <p>_____ Surveyor</p>