



# Type Approval Certificate

[ Welding Consumables ]

**Initial Approval** 26 March 1997

**Manufacturer** ESAB SeAH Corp.  
56, Jeongdong-ro 62beon-gil, Seongsan-gu, Changwon-si, Gyeongsangnam-do, Rep. of Korea

**Product Description** Flux cored wires with gas for semi-automatic arc welding

- Brand : Shield-Bright 308L  
Shield-Bright 309L  
Shield-Bright 316L

\* See "Appendix 1"

**Approval Condition**

1. The product or packing is to be marked with manufacturer name and type designation on a suitable position.
2. Individual Product Certification is not required.
3. Periodical survey is to be carried out at an interval of one(1) year in the presence of the surveyor.

**THIS IS TO CERTIFY** that the above-mentioned product has been approved in accordance with the relevant requirement of this Society's Rules and / or of the recognized standards as follows.

P.t 2, Ch. 2, Sec. 6, Art. 607 of the Rules for Classification of Steel Ships.

This Certificate is valid until 1 June 2026

Issued at Changwon, Korea on 5 July 2021



This certificate is signed electronically in accordance with IMO FAL.5/Circ.39/Rev.2. Validation and authentication of the certificate can be confirmed from "<http://e-cert.krs.co.kr>" by using the tracking No(ME23035256734) and certificate No.(CWN02485-WD003).



**KOREAN REGISTER**

*Park Munsoo*

*General Manager of  
Changwon Branch Office*

**Note :**

1. This certificate will be valid subject to complying with the approval conditions described on the certificate and/or on the Rules of this Society.
2. This certificate will be invalid from the expiry date aforementioned unless the extension or renewal has been granted to the applicant or the manufacturer.
3. Any significant modifications or changes in design or construction to the above product without approval from this Society will render this certificate invalid.
4. Should the specified rules, regulations or standards be amended during the validity of this certificate, the product is to be re-approved by this Society in accordance with the requirements as amended.

## Product Description and/or Approval Condition

Date of Issue : 5 July 2021

Product Description :

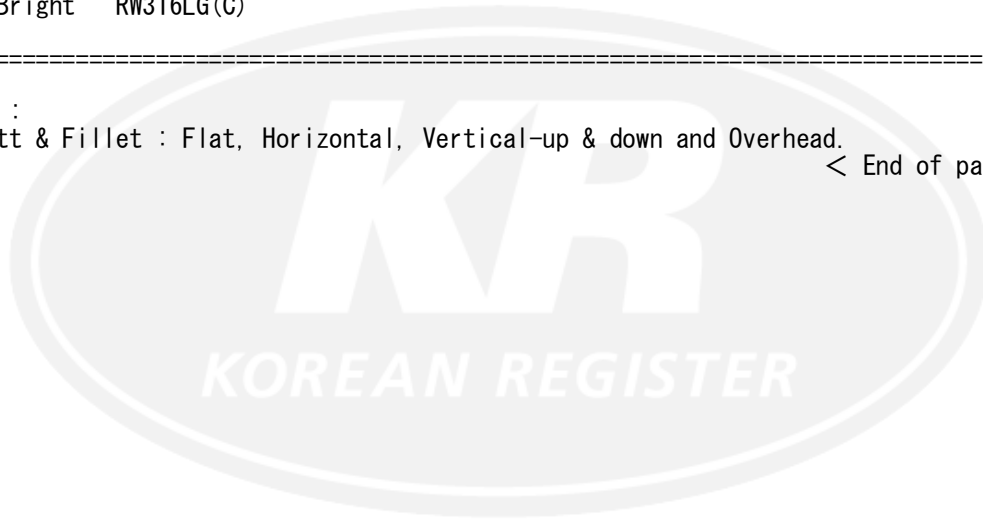
Flux cored wires with gas for semi-automatic arc welding

Brand	Grade	Dia. of Wire (mm)	Welding Position	Current (Polarity)	Shielding Gas
Shield-Bright 308L	RW308LG(C)				
Shield-Bright 309L	RW309LG(C)	1.2 ~ 1.6	*(1)	DC(+)	CO <sub>2</sub>
Shield-Bright 316L	RW316LG(C)				

\* Remark :

(1) Butt &amp; Fillet : Flat, Horizontal, Vertical-up &amp; down and Overhead.

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### Endorsement for Periodical Survey

Date of Issue : 5 July 2021

Anniversary Date : 1 June

This is to certify that the product is in compliance with the relevant requirements to obtain/retain the Society's approval in accordance with P.t 2, Ch. 2, Sec. 6, Art. 607 of the Rules for Classification of Steel Ships. and is valid until 1 June 2022

#### ■ Periodical Survey

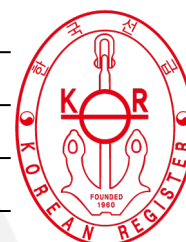
Periodical Survey has been carried out and the product is valid until

1 June 2023

Branch(Office) : Changwon Branch Office

Date : 15 September 2022

Surveyor : YEO Kwangmo



#### ■ Periodical Survey

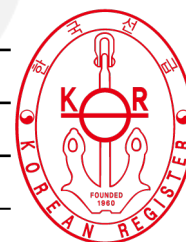
Periodical Survey has been carried out and the product is valid until

1 June 2024

Branch(Office) : Changwon Branch Office

Date : 22 August 2023

Surveyor : YEO Kwangmo



#### ■ Periodical Survey

Periodical Survey has been carried out and the product is valid until

Branch(Office) :

Date :

Surveyor :

#### ■ Periodical Survey

Periodical Survey has been carried out and the product is valid until

Branch(Office) :

Date :

Surveyor :

*Note : The approval will be automatically suspended and the Certificate become invalid if not endorsed annually within 3 months after the anniversary date of this Certificate*