



## APPROVAL CERTIFICATE FOR MANUFACTURING PROCESS

**Certificate No.** : NAJ28703-SP001 **Initial Approval** : 14th August, 2012.

**Product** : Rolled Steels

**Manufacturer** : Jiangsu Shagang Group Huaigang Special Steel Co., Ltd.  
No. 188, Xian South Road, Huaian City, Jiangsu Province(223002),  
China

**Product Description** : Round Steel Bars for Anchor Chains

- |                    |                                          |
|--------------------|------------------------------------------|
| - Grade            | : Grade 2 (RSBC 50)<br>Grade 3 (RSBC 70) |
| - Steel making     | : Electric Arc Furnace                   |
| - Casting process  | : Continuous casting                     |
| - Grain refining   | : Al+Ti+V                                |
| - Supply condition | : As rolled                              |
| - Diameter         | : Max. 190 mm                            |

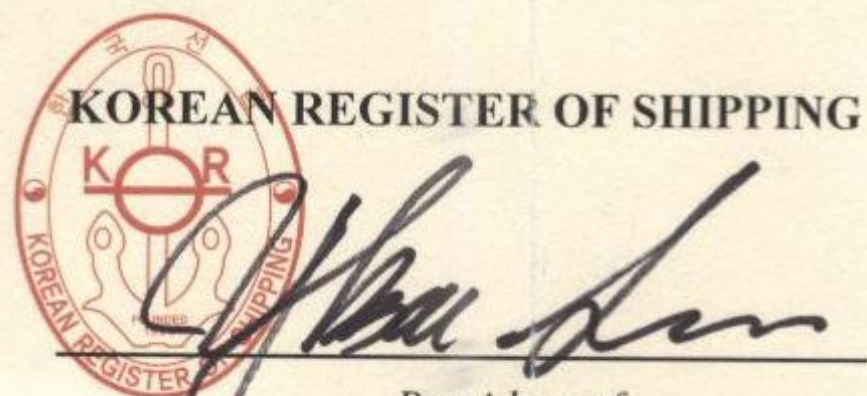
**Approval Condition** : Individual Product Certification is required.

**THIS IS TO CERTIFY** that the manufacturing process for 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 and entered in the "List of Approved Manufacturer and Type Approved Equipment".

Pt. 2, Ch. 1, Art. 306 of the Rules for Classification of Steel Ships.

This Certificate is valid until 13th August, 2017.

Issued at Shanghai, China on 14th August, 2012.



President of  
CHINA KR Co., Ltd.

**Note :1** : The approval will be automatically suspended and the Certificate become invalid from the expiry date of the Certificate in the event that the extension has not been granted or the renewal of the Certificate is not underway.

**2** : The manufacturer should notify this Society of any modification or changes that may affect the validity of this Certificate.



## APPROVAL CERTIFICATE FOR MANUFACTURING PROCESS

**Certificate No.** : NAJ28703-SP002                      **Initial Approval** : 22nd September, 2014.

**Product** : Rolled Steels

**Manufacturer** : Jiangsu Shagang Group Huaigang Special Steel Co., Ltd.  
No. 188, Xian South Road, Huaian City, Jiangsu Province(223002),  
China

**Product Description** : Hot Rolled Round Bars

- Grade : Carbon steels
- Steel Making : Converter
- Casting Process : Continuous Casting
- Supply Condition: As Rolled
- Diameter : 16 ~ 190 mm

**Approval Condition** : Individual Product Certification is required.

**THIS IS TO CERTIFY** that the manufacturing process for 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 and entered in the "List of Approved Manufacturer and Type Approved Equipment".

Pt. 2, Ch. 1, Sec. 6, Art. 601 of the Rules for Classification of Steel Ships.

This Certificate is valid until 21st September, 2019.

Issued at Shanghai, China on 22nd September, 2014.



**KOREAN REGISTER OF SHIPPING**

*Handwritten signature in blue ink.*

General Manager of  
Technical Support Team  
CHINA KR Co., Ltd.

*Note :1 : The approval will be automatically suspended and the Certificate become invalid from the expiry date of the Certificate in the event that the extension has not been granted or the renewal of the Certificate is not underway.*

*2 : The manufacturer should notify this Society of any modification or changes that may affect the validity of this Certificate.*