

APPROVAL CERTIFICATE FOR MANUFACTURING PROCESS

Certificate No.	:NAJ17878-SP001	Initial Approval :	12th August, 2004		
Product	: Rolled Steels				
Manufacturer	: Suqian Nanjing Iron & Steel Group Jinxin Steel Rolling Co., Ltd.				
	No.89 Jiangshan Road, Suyu District, Suqian City, Jiangsu Province, P.R.China				

Product Description: Rolled Steel Sections for Hull Structure Rolled Steel Sections for Low Temperature Service

* See "Appendix 1"

Approval Condition: 1. Raw materials(Billets) for the rolled steel sections are to be supplied from the manufacturer approved by this Society.
2. 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. 301 of the Rules for Classification of Steel Ships.

This Certificate is valid until 11th August, 2024 Issued at Shanghai, China on 24th February, 2020



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(ME20006629462) and certificate No.(NAJ17878-SP001).



KOREAN REGISTER

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

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.

Appendix 1

Product Description and/or Approval Condition

Certificate No: NAJ17878-SP001

Date of Issue :24th February, 2020

◎ Rolled Steel Sections for Hull Structure

Grade		Z-quality	Deoxidation / Grain Refining	Dimension Max. (mm)	Supply Condition
A, B			A I	(1)	As Rolled
D			A I +V	(1)	Controlled Rolling
D, E		_	Al+Ti	(1)	Controlled Rolling
AH32,	AH36	_	Al+Nb	(1)	Controlled Rolling
AH32, AH36, AH40,	DH36	_	AI+V	(1)	Controlled Rolling
EH32,	EH36	-	AI+V+Ti	(1)	Controlled Rolling
F I =====	lats : 3 nverted a qual/une =======	angles : 450x qual angles : =======	125x13x18 250x250x20 Low Temperature S	ervice	
Grade		Z-quality	Deoxidation / Grain Refining	Dimension Max. (mm)	Supply Condition
RL 23 RL 32 RL 36	5A/B		Al+Nb	(1)	Normalized
		s : 430x20 angles : 400x	100x13x18		