

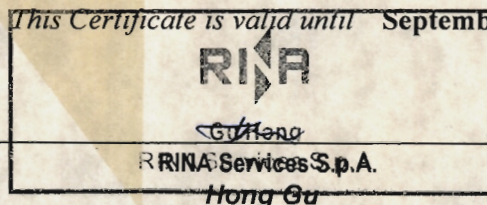


**CERTIFICATE OF APPROVAL OF MANUFACTURERS OF  
MATERIALS**  
No. FAB280222WS

**This is to certify** that the manufacture of the product identified below is in compliance with the applicable requirements of the RINA Rules for the Approval of Manufacturers of Materials.

<i>Description</i>	<b>Offshore marine stud link anchor chain cables and accessories</b>
<i>Type</i>	<b>Grade R3, R3S, R4</b>
<i>Manufacturer</i>	<b>JIANGSU ASIAN STAR ANCHOR CHAIN CO., LTD.</b>
<i>Place of manufacture</i>	<b>DONGXING TOWN, 214533 Jingjiang (Jiangsu) CHINA</b>
<i>Reference standards</i>	<b>RINA Rules for the approval of manufacturers of materials</b>

Issued in **RINA China Marine** on **September 6, 2022.** This Certificate is valid until **September 26, 2027**



This certificate consists of this page and 1 enclosure





**CERTIFICATE OF APPROVAL OF MANUFACTURERS OF MATERIALS**

No. FAB280222WS

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Grade R3, R3S, R4

**APPROVAL CONDITIONS**

Products: Offshore Mooring Chain, Grade R3, R3S and R4;

Approval description:

Grade	Products	Material	Manufacturing process	Heat treatment	Max. Nominal Diameter
R3 (with stud and studless)	Common link	KSBCR3	Flush butt welded	Quenched and tempered	157mm
	End link	KSBCR3	Flush butt welded	Quenched and tempered	132mm
R3S (with stud and studless)	Common link	KSBCR3S	Flush butt welded	Quenched and tempered	157mm
	End link	KSBCR3S	Flush butt welded	Quenched and tempered	132mm
R4 (with stud)	Common link	KSBCR4	Flush butt welded	Quenched and tempered	124mm
R4 (studless)	End link	KSBCR4	Flush butt welded	Quenched and tempered	147mm

**Remarks:**

- Raw material manufacturer for chains is to be approved by RINA.
- All chain cables and accessories classed with RINA is to meet the requirements of the RINA Rules and tested accordingly.

**General conditions for the approval**

- The approval is granted on condition that the RINA Rules for the approval, manufacture, testing and certification of materials are complied with in all respects.
- RINA is to be notified of any change of materials, manufacturing process, quality control routines that may affect the validity of this certificate.



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