



**CERTIFICATE OF APPROVAL OF MANUFACTURERS OF
MATERIALS**
No. FAB113615WS

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>	Steel forgings
<i>Type</i>	Carbon/carbon-manganese, Austenite stainless steel forgings
<i>Manufacturer</i>	JIANGYIN HENGRUN RING FORGING CO., LTD
<i>Place of manufacture</i>	181,ZHUHUANG ROAD,ZHUTANG INDUSTRIAL ZONE,JIAYIN,JIANGSU JIANGYIN CHINA
<i>Reference standards</i>	RINA Rules for the approval of manufacturers of materials

Issued in **SHANGHAI** on **July 25, 2016**. *This Certificate is valid until* **July 24, 2021**



This certificate consists of this page and 1 enclosure

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Austenite stainless steel forgings

APPROVAL CONDITIONS

Approval Description:

- Material: Steel ingots/billets are to be supplied by RINA approved manufacturer.
- Forging type: Free & Ring forging
- Type, max. weight and delivery condition:

Steel type	Max. weight (kg)	Max. size (mm)	Delivery condition
Carbon/carbon-manganese	4500	Dia.: 2000, Thickness.: 230	Normalizing
Low alloy	4500	Dia.: 2000, Thickness.: 230	Quenching + Tempering
Austenite Stainless 304L, 316L	4500	Dia.: 2000, Thickness.: 230	Solution

Survey condition: All forging products used for construction of ships and machinery classed by RINA shall meet the requirements of RINA rules and shall be test 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.

 **RINA**
SHANGHAI July 25, 2016

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