



**CERTIFICATE OF APPROVAL OF MANUFACTURERS OF  
MATERIALS**  
No. 2012XT01442

**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>Steel castings</b>
<i>Type</i>	<b>Carbon and Carbon - Manganese steel castings</b>
<i>Applicant</i>	<b>ANADOLU DOKUM SANAYI A.S. HURRIYET CADDESİ, NO.1 KORFEZ / 41780 KOCAELI / TURKEY</b>
<i>Manufacturer</i>	<b>ANADOLU DOKUM SANAYI A.S.</b>
<i>Place of manufacture</i>	<b>HURRIYET CADDESİ, NO.1 KORFEZ / 41780 KOCAELI / TURKEY</b>
<i>Reference standards</i>	<b>RINA Rules for the approval of manufacturers of materials</b>

*Issued in* **ISTANBUL** on **March 21, 2017**. *This Certificate is valid until* **March 3, 2022**



  
RINA Services S.p.A.  
Volkan Kocyigit

This certificate consists of this page and 1 enclosure

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**Carbon and Carbon - Manganese steel castings**

**APPROVAL CONDITIONS**

**Steel making process:** induction furnace.

**Maximum weight:** 25000 kg.

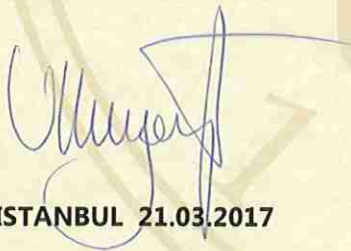
**Heat treatment:** normalizing, quenching and tempering.

**Survey conditions:** all castings to be used for construction of ships classed with RINA are to be in compliance with the requirements of the RINA Rules and are to be 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.



ISTANBUL 21.03.2017