



Approval No. ST6RO

Certificate No. TA18393E

**APPROVAL OF MANUFACTURING PROCESS**

*This is to certify that*

**Asıl Çelik Sanayî Ve Ticaret A.Ş.  
Orhangazî, Bursa  
Turkey**

*has been approved for the manufacturing process of undermentioned materials by the NIPPON KAIJI KYOKAI in accordance with the requirements of 1.2, Part K of the Society's "Rules for the Survey and Construction of Steel Ships" and Chapter 1, Part 1 of the Society's "Guidance for the Approval and Type Approval of Materials and Equipment for Marine Use".*

**MATERIALS : Rolled Steels for Hull  
Round Bars for Chains**

The details of relevant approval conditions are given in the PARTICULARS OF APPROVAL listed in the reverse of this certificate.

The products for the ships classed with the Society are to be manufactured, tested and inspected in compliance with the Rules.

This Certificate is valid from 24 January 2018 until 23 January 2023.  
Issued at Tokyo on 16 April 2018.

Renewal Date : 24 January 2018

  
H. Kobayashi  
General Manager  
Material and Equipment Department





No. : TA18396E

Date : 16 April 2018

## PARTICULAR OF APPROVAL

### Approval Conditions for Manufacturing Process of Round Bars for Chains

1. Manufacturer : Asıl Çelik Sanayî Ve Ticaret A.Ş
2. Kind of Product : Round Bars
3. Grade : KSBC50 and KSBC70
4. Deoxidation Practice : Fine-grained Killed
5. Grain Refining Elements : See Table.
6. Max. Diameter : See Table.
7. Condition of Supply : AR
8. Steel Making Process : Electric Arc Furnace
9. Casting Process : See Table.

Table Part of Approval Conditions

| Grade  | Grain Refining Elements | Max. Diameter (mm) | Casting Process                     |
|--------|-------------------------|--------------------|-------------------------------------|
| KSBC50 | Al                      | 100                | Ingot Casting or Continuous Casting |
| KSBC70 | Al-Nb-V-Ti              | 77                 | Continuous Casting                  |



H. Kobayashi  
General Manager

Material and Equipment Department

