



CERTIFICATE NUMBER

10-LD589214-PDA

DATE

29 July 2010

ABS TECHNICAL OFFICE

London Engineering Department

# CERTIFICATE OF DESIGN ASSESSMENT

This is to Certify that a representative of this Bureau did, at the request of  
**ACCIAIERIA VALBRUNA SPA - VICENZA**

assess design plans and data for the below listed product. This assessment is a representation by the Bureau as to the degree of compliance the design exhibits with applicable sections of the Rules. This assessment does not waive unit certification or classification procedures required by ABS Rules for products to be installed in ABS classed vessels or facilities. This certificate, by itself, does not reflect that the product is Type Approved. The scope and limitations of this assessment are detailed on the pages attached to this certificate. It will remain valid as noted below or until the Rules or specifications used in the assessment are revised (whichever occurs first).

PRODUCT: Manufacturing System,

MODEL: Stainless Steel bar stock EN 1.4462, 1.4307, 1.4404, 1.4418, 1.4057, 1.4542.

ABS RULE: 2010 Steel Vessel Rules 1-1-4/7.7, 2-3-7

OTHER STANDARD

AMERICAN BUREAU OF SHIPPING

John L. Morgan  
Engineering Type Approval Co-ordinator

NOTE: This certificate evidences compliance with one or more of the Rules, Guides, standards or other criteria of ABS or a statutory, industrial or manufacturer's standards. It is issued solely for the use of ABS, its committees, its clients or other authorized entities. Any significant changes to the aforementioned product without approval from ABS will result in this certificate becoming null and void. This certificate is governed by the terms and conditions as contained in ABS Rules 1-1-A3/5.9 Terms and Conditions of the Request for Product Type Approval and Agreement (2010).

**ACCIAIERIA VALBRUNA SPA**

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**Product:** Manufacturing System,

**Model:** Stainless Steel bar stock EN 1.4462, 1.4307, 1.4404, 1.4418, 1.4057, 1.4542.

**Intended Service:**

Propeller Shafts

**Description:**

Grades:

Precipitation Hardened Stainless Steel

Martensitic Stainless Steel

Austenitic Stainless Steel

Duplex Stainless Steel

**Ratings:**

Approval is permitted up to a maximum diameter of 250mm.

(Diameter of shafts is to be in accordance with approved design drawings.)

**Service Restrictions:**

Unit Certification is required for this product.

**Comments:**

Material tests to be carried out in accordance with 2-3-7 of the Rules

**Notes / Drawings / Documentation:**

This Product Design Assessment (PDA) is valid for products intended for use on ABS classed vessels, MODUs or facilities which are in existence or under contract for construction on the date of the ABS Rules used to evaluate the Product. Use in a non-classed vessel, MODU, Facility or other application is to be to the satisfaction of the manufacturer and purchaser.

**Term of Validity:**

This product/model is covered under Product Design Assessment (PDA) Certificate # 10-LD589214-PDA, dated 29/Jul/2010. This PDA Certificate remains valid until 28/Jul/2015 or until the Rules or specifications used in the assessment are revised (whichever occurs first).

**STANDARDS**

**ABS Rules:**

2010 Steel Vessel Rules 1-1-4/7.7, 2-3-7

**National:**

NA

**International:**

NA

**Government Authority:**

NA

**EUMED:**

NA

**Others:**

NA

