



CERTIFICATE NUMBER	21-2141167-PDA
EFFECTIVE DATE	27-Jul-2021
EXPIRY DATE	26-Jul-2026
ABS TECHNICAL OFFICE	Houston ESD - Piping

## CERTIFICATE OF Product Design Assessment

This is to certify that a representative of this Bureau did, at the request of

# SCHOELLER BLECKMANN EDELSTAHLROHR GMBH

located at

**ROHRSTRASSE 1, A-2630 TERNITZ, Austria, ATU 41013808**

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.

**Product:** Tube and Tubebundle  
**Model:** Seamless Stainless Steel Tubes  
**ASTM A312, ASTM A213, ASTM A789, ASTM A790, ASTM B161, ASTM B163, ASTM B167, ASTM B407, ASTM B423, ASTM B444**  
**Endorsements:**  
**Tier:** 5 - Unit Certification Required

This Product Design Assessment (PDA) Certificate remains valid until 26/Jul/2026 or until the Rules and/or Standards used in the assessment are revised or until there is a design modification warranting design reassessment (whichever occurs first).

Acceptance of product is limited to the "Intended Service" details prescribed in the certificate and as per applicable Rules and Standards.

This Certificate is valid for installation of the listed product on ABS units which exist or are under contract for construction on or previous to the effective date of the ABS Rules and standards applied at the time of PDA issuance. Use of the Product for non-ABS units is subject to agreement between the manufacturer and intended client.

American Bureau Of Shipping

Yongjin Lee, Engineer/Consultant

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 ABS Rules 1-1-A3/5.9 Terms and Conditions of the Request for Product Type Approval and Agreement (2010)



Certificate Number 23-6077450  
 Effective Date 19-OCT-2023  
 Expiration Date 18-OCT-2028  
 ABS Port Office Hamburg / Germany  
 Website www.sber.co.at

## CERTIFICATE OF Manufacturing Assessment

This is to certify that the Undersigned evaluated the manufacturing quality procedures of

### Schoeller Bleckmann Edelstahlrohr GmbH

located at

Rohrstrasse 1, 2630 Ternitz, Austria

The quality monitoring systems during production were verified to reflect the specific surveys, required by the ABS Rules, Guides, the associated Specifications and Standards for the manufacture of

#### Products covered by valid PDA


This manufacturer presented a sample or specimen of the product, representative of the "type" approved for the purpose of verifying that the "type" has been manufactured in conformance with the Manufacturer's Product Design Assessment(s).

This Certificate is manufacturer and location specific and is subject to annual audits. Consult the ABS Type Approval website to confirm the continued validity of this certificate and the status of products.

The ABS Office issuing the certificate is to be kept updated with changes to the production methods, quality control systems, products and models and any changes made.

19. OKT. 2023  
  
 O. Baryatynskyy, Surveyor

Annual Endorsement  
 First

  
 Surveyor  
 6657194

Second  
  
 7210750

Third

Fourth

WO and Date  
 09. OKT. 2024

NOTE: This Certificate evidences compliance with one or more of the Rules, guides, standards or other criteria of American Bureau of Shipping and is issued solely for the use of the Bureau, its committees, its clients or other authorized entities. This Certificate is a representation only that the structure, item of material, equipment, machinery or any other item covered by this Certificate has met one or more of the Rules, guides, standards or other criteria of American Bureau of Shipping as of the date of issue. Parties are advised to review the Rules for the scope and conditions of classification and to review the survey records for a fuller description of any restrictions or limitation on the vessel's service or surveys. The validity, applicability and interpretation of this Certificate is governed by the Rules and standards of American Bureau of Shipping who shall remain the sole judge thereof. Nothing contained in this Certificate or in any notation made in contemplation of this Certificate shall be deemed to relieve any designer, builder, owner, manufacturer, seller, supplier, repairer, operator or other entity of any warranty express or implied.

**SCHOELLER BLECKMANN EDELSTAHLROHR GMBH**

ROHRSTRASSE 1

A-2630 TERNITZ

Austria ATU 41013808

Telephone: 0043-2630-316-0

Fax: 0043-2630-369-47

Email: office@sber.co.at

Web: www.sber.at

**Tier: 5 - Unit Certification Required**

---

**Product:** Tube and Tubebundle

**Model:** Seamless Stainless Steel Tubes

ASTM A312, ASTM A213, ASTM A789, ASTM A790, ASTM B161, ASTM B163, ASTM B167, ASTM B407, ASTM B423, ASTM B444

**Endorsements:**

**Intended Service:**

Marine and Offshore Application

**Description:**

Seamless tubes made of ferrous and non-ferrous alloys, especially austenitic, ferritic / austenitic, martensitic steel and nickel-based alloys

**Rating:**

Design Pressure Range: 40 Bar (580 PSI) to 950 Bar (13,778 PSI).

**Operating Temperature Range:**

ASTM A312, 196°C up to + 1100°C

ASTM A213, 196°C up to + 1100°C

ASTM A789, 50°C up to + 280°C

ASTM A790, 50°C up to + 280°C

ASTM B161, 0°C up to + 1100°C

ASTM B163, 0°C up to + 1100°C

ASTM B167, 0°C up to + 1100°C

ASTM B407, 0°C up to + 1100°C

ASTM B423, 0°C up to + 1100°C

ASTM B444, 0°C up to +1100°C

Outside Diameter Sizes: 0.24" – 9.84" (6 mm – 250 mm),

Wall Sizes: 0.03" – 1.77" (0,80 mm – 45 mm)

Lengths: 5' ft. through 105' ft. (1,5 M – 36 M)

**Service Restriction:**

1. Unit Certification is required for this product used in Piping Class I & II except for hydraulic piping. Otherwise, Unit Certification is not required for this product.
2. If the manufacturer or purchaser request an ABS Certificate for compliance with a specification or standard, the specification or standard, including inspection standards and tolerances, must be clearly defined.

**Comments:**

1. The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product.
2. All tubes (pipes) are to be hydrostatically or NDE tested during manufacturing as per ABS Marine Vessel Rules 2-3-12/29.1. In addition, Class I & II pipes are to be hydrostatically tested as per ABS Marine Vessel Rules 4-6-2/7.3.
3. Refer to the manufacturer for tube details and pressure specific application.

**Notes/Drawing/Documentation:**

Drawing No. 644152, EN10204:2004/3.1 dated 07/07/2021

Drawing No. - Material Specification

Drawing No, - ISO 9001, ISO 14001 & ISO 45001

Drawing No. - Schoeller Bleckmann Tube Dimensions

Drawing No. - Schoeller Bleckmann Test Equipment SBER

Drawing No. - Various, ASTM Standards Certificates (ASTM A213, A312, A789, B407, B163, B423, B167, B161, B444) dated 20/07/2021

**SCHOELLER BLECKMANN EDELSTAHLROHR GMBH**

ROHRSTRASSE 1

A-2630 TERNITZ

Austria ATU 41013808

Telephone: 0043-2630-316-0

Fax: 0043-2630-369-47

Email: office@sber.co.at

Web: www.sber.at

**Tier: 5 - Unit Certification Required**

---

**Terms of Validity:**

This Product Design Assessment (PDA) Certificate remains valid until 26/Jul/2026 or until the Rules and/or Standards used in the assessment are revised or until there is a design modification warranting design reassessment (whichever occurs first).

Acceptance of product is limited to the "Intended Service" details prescribed in the certificate and as per applicable Rules and Standards.

This Certificate is valid for installation of the listed product on ABS units which exist or are under contract for construction on or previous to the effective date of the ABS Rules and standards applied at the time of PDA issuance. Use of the Product for non-ABS units is subject to agreement between the manufacturer and intended client.

**STANDARDS**

**ABS Rules:**

Rules for Condition of Classification, Part 1 – 2021, 1-1-4/7.7, 1-1-A3, 1-1-A4, which covers the following:  
2021 Marine Vessel Rules: 4-6-1, 4-6-2/3.1.2

Rules for Condition of Classification, Part 1 – 2021 – Offshore units and Structures, 1-1-4/7.7, 1-1-A2, 1-1-A3, which covers the following:  
2021 Mobile Offshore Units: 4-2-1, 4-2-2/5.1.3

**National:**

NA

**International:**

ASTM A790/A790 published 03/01/2020.  
ASTM A999/A999M published 03/01/2018.  
ASTM A213 published 05/01/2021  
ASTM A312 published 05/01/2021  
ASTM B407 published 04/01/2019  
ASTM B163 published 1/01/2019  
ASTM A789 published 03/01/2020  
ASTM B423 published 06/01/2021  
ASTM B167 published 01/01/2018  
ASTM B161 published 04/01/2016  
ASTM B444 published 04/01/2018

**Government:**

NA

**EUMED:**

NA

**OTHERS:**

NA



**Task – T2141167**  
**Product Design Assessment (PDA)-New**  
**Product: Stainless Steel Pipe**  
**Models: Seamless Stainless Steel Tubes**  
**ASTM A312, ASTM A213, ASTM A789,**  
**ASTM A790, ASTM B161, ASTM B163,**  
**ASTM B167, ASTM B407, ASTM B423,**  
**ASTM B444**  
**Certificate No. 21-2141167-PDA**

Attention: Wolfgang Hecher, Schoeller Bleckmann Edelstahlrohr GmbH (315946)

The documents shown in the attached list are reviewed in accordance with the applicable requirements indicated in the PDA along with the service restrictions and comments.

We recommend that you monitor the ABS Rules, Guides and other standards used in the Assessment. These Rules, Guides and standards often change on an annual basis, and you must comply with the new Rules, Guides and Standards in order for the product to be used on an ABS classed vessel or facility contracted under the new Rules, Guides or specifications.

For any clarifications, contact Mr. John Ulep at 281-877-6968 or ([julep@eagle.org](mailto:julep@eagle.org)).

Very truly yours,

Joshua Divin  
Vice President, Engineering

Electronically Signed by: Yongjin Lee

Documents List

Drawing No.	Rev.	TITLE	Status
Material specifications	-	Material specifications	Reviewed
Certificates	-	ISO9001-ISO14001-ISO45001	Filed by ABS for Reference
SBER_TX_general-2019	-	Business Unit Presentation	Filed by ABS for Reference
Tube Dimensions	-	Tube Dimensions	Reviewed
Test Equipment	-	Test Equipment	Reviewed
726230	-	Inspection Certificate EN 10204-2004/3.1	Reviewed
Various	-	ASTM Standard Certificates	Reviewed
726308	-	ASTM B444 Inspection Certificate	Reviewed

Electronic copies of the documents appropriately stamped are available in the ABS Client Portal

Include: PDA Certificate