Electronically published by ABS Hamburg.
Reference WO0412645, dated 23-Oct-2025

CERTIFICATE NUMBER	25-0412645-PDA
EFFECTIVE DATE	17-Oct-2025
EXPIRY DATE	16-Oct-2030
ABS TECHNICAL OFFICE	Hamburg Engineering Department

CERTIFICATE OF

Product Design Assessment

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

WALTER STAUFFENBERG GMBH & CO. KG

located at

IM EHRENFELD 4, , 58791 WERDOHL, Germany

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:	**Pipe Clamp**
Model:	**STAUFF® Pipe, Tube and Hose Clamps**
Endorsements:	
Tier:	**2 - PDA Issued**

This Product Design Assessment (PDA) Certificate remains valid until 16/Oct/2030 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

Efstratios Maliatsos,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)

Sensitivity: Internal & Restricted

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WALTER STAUFFENBERG GMBH & CO. KG
IM EHRENFELD 4
58791 WERDOHL
Germany
Telephone: 0049 (0) 2392 916-0
Fax: 0049 (0) 2392 2505
Email: sales@stauff.com
Web: www.stauff.com

Tier: 2 - PDA Issued

Product: **Pipe Clamp**
Model: **STAUFF® Pipe, Tube and Hose Clamps**
Endorsements:

Intended Service:
Stauff® Pipe, Tube and Hose Clamps for on-board use on vessels and marine structures.

Description:
"The Stauff® Clamps for tubes, pipes and hose-lines are modular system designed to suit with a wide range of demands.
Following types/designs are available:
- Standard Series, Stauff Groups: 1, 1A, 2, 3, 4, 5 , 6 , 7 , 8 for Pipe Size: 6 mm to 102 mm O. D.
- Heavy Series, Stauff Groups: 3S, 4S, 5S, 6S, 7S, 8S, 9S, 10S, 11S, 12S for : Pipe Size: 6 mm to 456 mm O. D.
- Heavy Twin Series, Stauff Groups: 4S-D, 5S-D for Pipe Size: 8 mm to 42 mm O. D.
- Rubber Inserts (RI/RIS) for Standard and Heavy Series 6mm to 45.5 mm
- NRC Clamps (Noise- & Vibration-Reduction Clamps) for Pipe Size 6 to 88, 9 mm O. D.
- Special Customized Clamp Series: With metal frame (bolts and plates).
- LBBU Series, Stauff Groups: 1, 2, 3, 1D, 2D, 3D for Pipe Size: 6 mm to 32 mm O. D.
- Construction Series for Pipe Size: 220 mm to 800 mm O. D.
- Flat Steel U-bolt Clamps for Pipe Size: 48. 3 mm to 521 mm O. D.
- Round Steel U-bolt Clamps for Pipe Size: 25 mm to 521 mm O. D.
- Metal Pipe Clamps (DIN 3567, Type: A/B)) for Pipe Size: 15 mm to 521 mm O. D.
- Metal Pipe Clamps (DIN 1592/1593/1596/1597) for Pipe Size: 6 mm to 88.9 mm O. D.
- ACT Clamps (Anti Corrosion Technology) / (Standard 1A, 2, 3, 4, 5, 6, 7M, 8M), 6 mm to 88.9 mm O. D.
- Multi Line Clamps 6 mm to 25.4 mm
Carbon Steel/Stainless Steel (AISI 303, 304, 316, 316Ti) materials for upper and lower coverplates, bolts, washers, mounting rails and rail adapters identified by manufacturer's group designations: W1, W2, W3, W4 and W5."

Rating:
Temperature range of clamp body material and rubber inserts.
Polypropylene [PP] -30 °C to 90 °C,
Polypropylene [PPDA] -25 °C to 90 °C,
Polypropylene [PP6853] -25 °C to 90 °C,
Polypropylene [PP-V0] -25 °C to +90°C,
Polypropylene [PP-AC] -20 °C to 90 °C,
Polyamide [PA] -40 °C to 120 °C,
Polyamide [PAV0] -30 °C to 120 °C,
Polyamide [PA-FF] -30 °C to 120 °C,
Aluminium [AlSi12] -40 °C to 300 °C,
Thermoplastic Elastomer [SA] -40 °C to 125 °C,
Thermoplastic Elastomer [SA-V0] -55 °C to +125 °C,
Elastic Polymer [EPDM] -50 °C to +120 °C,
ACT/ACE (Anti Corrosion Technology) -25 °C to +90 °C.

Service Restriction:
1. Unit Certification is not required for this product. If the manufacturer or purchaser requests an ABS Certificate for compliance with a specification or standard, the specification or standard, including inspection standards and tolerances, must be clearly defined.
2. Pipe clamps used for on-board installation shall have provided upper and lower steel cover plates (including those with clamp body made from aluminum material), and only those types are acceptable that have at least two (2) fastening screws that will keep the pipes, tubes and hose lines in place, even in case of distortion of the clamp body.

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Email: sales@stauff.com
Web: www.stauff.com

Tier: 2 - PDA Issued

Comments:
1. The application and installation of Stauff® Pipe, Tube and Hose Clamps is to be in accordance with the manufacturer's specifications and instructions.
2. The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product.

Notes/Drawing/Documentation:
Drawing No. STAUFF-Catalogue-1-STAUFF-Clamps-English_Edition 04/2025

Terms of Validity:
This Product Design Assessment (PDA) Certificate remains valid until 16/Oct/2030 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:
2025 ABS Rules for Conditions of Classification: 1-1-4/7.7, 1-1-A3, 1-1-A4, which covers the following:
2025 Marine Vessels Rules: 4-6-1/3.1

2025 ABS Rules for Conditions of Classification - Offshore Units and Structures:1-1-4/9.7, 1-1-A2, 1-1-A3, which covers the following:
2025 Offshore Units Rules :4-2-1/3.1

National:
NA

International:
NA

Government:
NA

EUMED:
NA

OTHERS:
NA