

TYPE EXAMINATION CERTIFICATE

This is to certify:**That the Pipeline Clamps**

with type designation(s)

Standard - Heavy - Twin - Construction and Light - Series, U - Bolt and Metal Pipe Clamps

Issued to

**Walter Stauffenberg GmbH & Co. KG
Werdohl, Germany**

is found to comply with

DIN 3015-1 Fastening clamps – Block clamps – Part 1: Light duty (L)**DIN 3015-2 Fastening clamps – Block clamps – Part 2: Heavy duty (S)****DIN 3015-3 Fastening clamps – Block clamps – Part 3: Double clamps (Z)****DIN 3015-10 Fastening clamps – Block clamps – Part 10: Technical delivery conditions****Application :****The above mentioned pipe clamps are approved for the use in piping systems on board ships and piping systems. For fastening and guiding tubes, pipes, hoses and cables.**Issued at **Hamburg** on **2017-11-10**This Certificate is valid until **2022-11-09**.for **DNV GL**DNV GL local station: **Essen**Approval Engineer: **Christian Kaemmer**

**Olaf Drews
Head of Section**

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid. The validity date relates to the Type Examination Certificate and not to the approval of equipment/systems installed.



Product description

Description	Pipe Clamps	
Type	STAUFF clamps - Standard, Heavy, Twin, Light, KS, DKS series, U-bolts, Metal Pipe Clamps, and ACT Clamp	
Application	For fastening and guiding of tubes, pipes, hoses and cables.	
Types and Sizes	Series	Diameter Range [mm O.D.]
	STANDARD Series DIN 3015 -1/-10	6 to 102
	• Profiled Inside Surface with Tension Clearance • Smooth Inside Surface without Tension Clearance • RI – Elastomer Insert	
	HEAVY Series DIN 3015 -2/-10	6 to 450
	• Profiled Inside Surface with Tension Clearance • Smooth Inside Surface without Tension Clearance • RI – Elastomer Insert	
	TWIN Series DIN 3015 -3/-10	6 to 42
	• Profiled Inside Surface with Tension Clearance • Smooth Inside Surface without Tension Clearance	
	HEAVY Series TWIN	8 to 42
	• Profiled Inside Surface with Tension Clearance • Smooth Inside Surface without Tension Clearance • RI – Elastomer Insert	
	LIGHT Series LBBU / LB / LN	6 to 32 / 3,2 to 25,4 / 6 to 22
	KS- / DKS- Series	220 to 800
	U-Bolt Roundsteel RB+RUK/RUL, RBD	25 to 521
	U-Bolt Flatsteel FB+RUK	21 to 740
	Metal Pipe DIN 3567- A/B	20 to 521
	ACT Clamps (Anti Corrosion Technology)	6 to 42
	NRC Clamps (Noise- & Vibration-Reduction Clamps)	6 to 88.9

Production Places

Walter Stauffenberg GmbH & Co. KG Im Ehrenfeld 4, 58791 Werdohl Germany	Walter Stauffenberg GmbH & Co. KG Lennestrase 2, 58840 Plettenberg Germany
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Materials

Clamps, bodies and inserts:

Job Id: **262.1-025358-1**
Certificate No: **TAP000012Z**

Polypropylene, Polyamide, Thermoplastic Elastomer (Santoprene),
ACE (Anti-corrosion Elastomer), Aluminium.

Accessories:

Steel, Stainless Steel

Maximum allowable temperature range of clamp bodies and inserts:

Material	Temperature range [°C]
Polypropylene [PP]	-30 / +90
Polypropylene [PPDA]	-25 / +90
Polypropylene [PP6853]	-25 / +90
Polypropylene [PP-AC]	-30 / +90
Polypropylene (PP-VO)	-25 / +90
ACT /ACE (Anti Corrosion Elastomer)	-25 / +90
Polyamide [PA]	-40 / +120
Polyamide [PAVO]	-30 / +120
Polyamide [PA-FF]	-30 / +120
Aluminium [AL]	-40 / +300
Santoprene (SA)	-40 / +125
Santoprene V0 (SA-V0)	-50 / +90
EPDM (EPDM)	-50 / +120

Limitation

The use of aluminium-clamps is not allowed for pipes containing flammable gases, liquids. Pipe clamps used inside machinery spaces are to be provided with upper and lower steel cover plates. The selection of the pipe clamps for the corresponding service and right installation are to be in accordance with the instructions of the manufacturer.

Documentation

Marking of product

For traceability to this type examination certificate, each tube clamp is to be marked with:

- "STAUFF"-logo
- Size
- Type Designation

Periodical assessment

For retention of the type examination certificate periodical assessments shall be carried out at production places. The objective of the periodical assessment is to verify that the design and production conditions for the type examination have not been altered.

Main scope of the assessment:

- verification of the production and quality control system
- review of quality control documentation of recent deliveries
- review of drawings in production to verify any design changes which may have an impact on data specified in the type examination certificate, performance and range of application
- verification of the product marking.