

# TYPE APPROVAL CERTIFICATE

**This is to certify:**

**That the Clip, Saddle, Band**

with type designation(s)  
**ELEMATIC - 2- LOCK**

Issued to

**ITW CONSTRUCTION PRODUCTS ITALY S.R.L**  
**PADOVA, Italy**

is found to comply with  
**Det Norske Veritas' Rules for Classification of Ships, High Speed & Light Craft and Det Norske Veritas' Offshore Standards**

**Application :**

**For fixing of cables, outdoor and indoor, on board ships and offshore units.**

This Certificate is valid until **2019-06-30**.

Issued at **Høvik** on **2015-01-20**

DNV GL local station: **Venice**

Approval Engineer: **Nicolay Horn**

for **DNV GL**

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**Marit Laumann**  
**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 Approval Certificate and not to the approval of equipment/systems installed.

Certificate No: **E-13898**  
File No: **828.50**  
Job Id: **262.1-016333-1**

## Product description

Type: 2-LOCK Cable Ties with stainless steel frame (AISI 316) with double tooth.

Material: Polyamide 6.6 natural or with Black Masterbatches (for black version).

Flammability of raw material: UL94-V2.

Installation temperature: - 40 °C to + 60 °C

Working temperature: - 40 °C to + 85 °C

Loop Tensile Strength: Type 2: Retains 100% strength after testing

Type code		Length mm	Width mm	Tensile strength
Nat.	black			
1215	1315	200	4.5	360
1216	1316	250	4.5	360
1217	1317	290	4.5	360
1219	1319	360	4.5	360
1227	1327	360	7.3	780

## Application/Limitation

For fixing of cables, outdoor and indoor, on board ships and offshore units.

Must be used together with metallic cable band if used to fix cables not laid on top of horizontal cable tray or support.

## Type Approval documentation

ELEMATIC technical datasheets "Cable tie", rev. 05/2014.

IMQ test reports No. CN13S0205730 issued 2014-05-09.

## Tests carried out

Type tests in accordance with DNV Type Approval Program / IEC 62275.

## Marking of product

Name of the manufacturer – type of product

## Periodical assessment

The scope of the periodical assessment is to verify that the conditions stipulated for the Type Approval is complied with and that no alterations are made to product design or choice of materials.

The main elements of the survey are:

- Inspection of factory samples, selected at random from the production line.
- Review of type approval documentation.
- Review of possible change in design, materials and performance.
- Ensuring traceability between manufacturer's product type marking and the Type Approval Certificate.

Survey to be performed at least every second year

END OF CERTIFICATE