

Certificate No:

**E-13759**

File No:

**828.50**

Job Id:

**262.1-015357-1**

## TYPE APPROVAL CERTIFICATE

### This is to certify:

**That the Clip, Saddle, Band**

with type designation(s)

**MST, SUS304 Stainless Steel**

Issued to

**HellermannTyton Co., Ltd.**

**Himeji Hyogo Pref, Japan**

is found to comply with

**Det Norske Veritas' Rules for Classification of Ships, High Speed & Light Craft and Det Norske**

**Veritas' Offshore Standards**

**IEC 62275 (2006-10)**

**DNV Type Approval Programme Appendix 828.50 Cable Ties**

### 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 **2015-01-19**

DNV GL local station: **Kobe**

for **DNV GL**

Approval Engineer: **Nicolay Horn**

.....  
**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. If any person suffers loss or damage which is proven to have been caused by any negligent act or omission of the Society, then the Society shall pay compensation to such person for his proven direct loss or damage. However, the compensation shall not exceed an amount equal to ten times the fee charged for the service in question. The maximum compensation shall never exceed USD 2 million. In this provision the "Society" shall mean DNV GL AS as well as all its direct and indirect owners, affiliates, subsidiaries, directors, officers, employees, agents and any other person or entity acting on behalf of DNV GL AS.

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## Product description

Type MST X S .....Standard Locking Cable Tie, 304 Stainless Steel

TYPE	Length	Width
	mm	mm
MST200S	207	5,9
MST360S	360	5,9
MST500S	500	5,9
MST700S	700	5,9

Loop tensile strength, 5.9mm width	900 N
Max. tested operating temperature	538 °C
Contribution to fire	Non-flame propagating
Resistance to UV light	Resistant
Resistance to corrosion	Resistant

## Type Approval documentation

### Tests carried out

Type tests in accordance with IEC 62275. Vibration test.

### Marking of product

Each package of products to be marked with type designation, date of manufacture and batch number.

### Periodical assessment

The scope of the retention/renewal survey is to verify that the conditions stipulated for the Type approval is complied with and that no alterations are made to the product design or choice of materials.

The main elements of the survey are:

- Inspection on factory samples, selected at random from the production line (where practicable)
- Results from Production Sample Tests (PST) and Routines (RT) checked (if not available tests according to PST and RT to be carried out)
- Review of type approval documentation
- Review of possible change in design, materials and performance
- Ensuring traceability between manufacturer's product type marking and Type Approval Certificate.

Survey to be performed at renewal only.

END OF CERTIFICATE