



# TYPE APPROVAL CERTIFICATE

Certificate No:  
**TAE00002YZ**  
Revision No:  
**1**

## This is to certify:

### That the Cable Ties

with type designation(s)  
**MBT, 316 Stainless Steel**

Issued to  
**HELLERMANNTYTON LIMITED**  
**MANCHESTER, United Kingdom**

is found to comply with  
**IEC 62275 (2018-08)**  
**DNV rules for classification – Ships, offshore units, and high speed and light craft**

## Application :

Products approved by this certificate are accepted for installation on all vessels classed by DNV.

<b>Material</b>	<b>316 Stainless Steel</b>
<b>Suitable for open deck</b>	<b>Yes</b>

Issued at **Høvik** on **2022-08-09**

for **DNV**

This Certificate is valid until **2027-06-30**.

DNV local station: **UK & Ireland CMC & VMC**

Approval Engineer: **Marta Alonso Pontes**

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**Marta Alonso Pontes**  
**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.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.



**Product description**

Type: MBT X S..... Standard Locking Cable Tie, 316 Stainless Steel  
 MBT X H..... Heavy Duty Locking Cable Tie, 316 Stainless Steel

TYPE	Length mm	Width mm	TYPE	Length mm	Width mm
MBT5S	127	4,6	MBT8H	201	7,9
MBT8S	201	4,6	MBT14H	362	7,9
MBT14S	362	4,6	MBT20H	521	7,9
MBT20S	521	4,6	MBT27H	681	7,9
MBT27S	681	4,6	MBT33H	838	7,9
MBT33S	838	4,6			

Loop tensile strength, 4.6mm width	900 N
Loop tensile strength, 7.9mm width	1700 N
Max. tested operating temperature	553 °C
Contribution to fire	Non-flame propagating
Resistance to UV light	Resistant
Resistance to corrosion	Resistant

**Application/Limitation**

To be installed in accordance with the manufacturer's instructions and DNV rules.  
 Suitable for open deck.

**Type approval documentation**

**Test reports:** Material Certification, Walker Precision Strip, order No. 19168, 22.11.1996  
 Tensile Test, at Hellermann with Lloyd 2000R machine. US Mil Spec. 23190 issue E.  
 Vibration Test, Cape Environmental Testing, Works order no. 9079 of 13.03.1997.  
 Spreadsheet for status on AS Cable Ties. 2010-03-30 by GTF.

**Drawings:** MBTS Range & MBTH Range.

**Tests carried out**

Type tests in accordance with IEC 62275 Ed.1 (2006) including installation test, loop tensile strength test, 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 periodical assessment 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 Routines (RT) checked (if not available tests according to 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.

Periodical assessment is to be performed after 2 years and after 3.5 years. A renewal assessment will be performed at renewal of the certificate.

END OF CERTIFICATE