



Marine & Offshore

Certificate number: 48822/C0 BV

File number: AP 4684

Product code: 2535D

This certificate is not valid when presented without the full attached schedule composed of 7 sections

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TYPE APPROVAL CERTIFICATE

This certificate is issued to

HELLERMANTYTON PTE LTD
SINGAPORE - SINGAPORE

for the type of product

CABLE TIES

Cable Ties Types: Roller Ball, Releasable & Ladder - Coated / UnCoated

Requirements:

Bureau Veritas Rules for the Classification of Steel Ships
IEC 62275 (2013)

This certificate is issued to attest that Bureau Veritas Marine & Offshore did undertake the relevant approval procedures for the product identified above which was found to comply with the relevant requirements mentioned above.

This certificate will expire on: 26 Jul 2026

For Bureau Veritas Marine & Offshore,

At BV SINGAPORE, on 15 Aug 2022,

Shivananda Upadhya

This certificate was created electronically and is valid without signature



This certificate remains valid until the date stated above, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with Bureau Veritas Marine & Offshore. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply. This certificate is issued within the scope of the General Conditions of Bureau Veritas Marine & Offshore available on the internet site www.veristar.com. Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against Bureau Veritas Marine & Offshore for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.

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BV Mod. Ad.E 530 June 2017

This certificate consists of 5 page(s)

THE SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION :

- Product model or type designation :

Types: Roller Ball, Releasable & Ladder - Coated / UnCoated series

- Product description:

Cable Ties made of stainless steel

1.1 - The products are covered under Type Approval Certificate N°45076/B0 BV.

1.2 - Features Roller Ball:

Type:	Metallic	Composite (coated)
Loop tensile strength, 4,6mm width	450 N	450 N
Loop tensile strength, 7,9mm width	1150 N	534 N
Max. tested operating temperature	250 °C	165 °C
Min. tested operating temperature		- 40 °C
Min. tested installation temperature		- 40 °C

Part no. uncoated	Part no. Coated	Length [mm]	Width [mm]	Thickness [mm]
MBT100S	MBT100SFC	100	4.6	0.26
MBT100H	MBT100HFC	100	7.9	0.26
MBT125S	MBT125SFC	125	4.6	0.26
MBT125H	MBT125HFC	125	7.9	0.26
MBT150S	MBT150SFC	150	4.6	0.26
MBT150H	MBT150HFC	150	7.9	0.26
MBT200S	MBT200SFC	200	4.6	0.26
MBT200H	MBT200HFC	200	7.9	0.26
MBT300S	MBT300SFC	300	4.6	0.26
MBT300H	MBT300HFC	300	7.9	0.26
MBT360S	MBT360SFC	360	4.6	0.26
MBT360H	MBT360HFC	360	7.9	0.26
MBT520S	MBT520SFC	520	4.6	0.26
MBT520H	MBT520HFC	520	7.9	0.26
MBT680S	MBT680SFC	680	4.6	0.26
MBT680H	MBT680HFC	680	7.9	0.26
MBT840S	MBT840SFC	840	4.6	0.26
MBT840H	MBT840HFC	840	7.9	0.26
MBT1000S	MBT1000SFC	1000	4.6	0.26
MBT1000H	MBT1000HFC	1000	7.9	0.26
MBT1200S	MBT1200SFC	1200	4.6	0.26
MBT1200H	MBT1200HFC	1200	7.9	0.26
MBT1400S	MBT1400SFC	1400	4.6	0.26
MBT1400H	MBT1400HFC	1400	7.9	0.26
MBT1600S	MBT1600SFC	1600	4.6	0.26
MBT1600H	MBT1600HFC	1600	7.9	0.26

1.3 - Features Releasable Type:

Type:	Metallic	Composite (coated)
Loop tensile strength, 5 mm width	1300 N	1300 N
Loop tensile strength, 10 mm width	2200 N	2200 N
Max. tested operating temperature	250 °C	165 °C
Min. tested operating temperature	-	- 40 °C
Min. tested installation temperature	-	- 40 °C

Part no. uncoated	Part no. Coated	Length [mm]	Width [mm]	Thickness [mm]
MLT150SS5	MLT150SSC5	150	5	0.7
MLT230SS5	MLT230SSC5	230	5	0.7
MLT330SS5	MLT330SSC5	330	5	0.7
MLT450SS5	MLT450SSC5	450	5	0.7
MLT610SS5	MLT610SSC5	610	5	0.7
MLT650SS5	MLT650SSC5	650	5	0.7
MLT840SS5	MLT840SSC5	840	5	0.7
MLT1000SS5	MLT1000SSC5	1000	5	0.7
MLT1400SS5	MLT1400SSC5	1400	5	0.7
MLT150SS10	MLT150SSC10	150	10	0.7
MLT230SS10	MLT230SSC10	230	10	0.7
MLT330SS10	MLT330SSC10	330	10	0.7
MLT450SS10	MLT450SSC10	450	10	0.7
MLT610SS10	MLT610SSC10	610	10	0.7
MLT650SS10	MLT650SSC10	650	10	0.7
MLT762SS10	MLT762SSC10	762	10	0.7
MLT914SS10	MLT914SSC10	914	10	0.7
MLT1400SS10	MLT1400SSC10	1400	10	0.7

1.4 - Features Ladder Type:

Type:	Metallic	Composite (coated)
Loop tensile strength, 7 mm width	450 N	450 N
Loop tensile strength, 12 mm width	450 N	450 N
Max. tested operating temperature	250 °C	165 °C
Min. tested operating temperature	-	- 40 °C
Min. tested installation temperature	-	- 40 °C

Part no. uncoated	Part no. coated	Length [mm]	Width [mm]	Thickness [mm]
MAT100SS7	MAT100SSC7	100	7	0.3
MAT150SS7	MAT150SSC7	150	7	0.3
MAT200SS7	MAT200SSC7	200	7	0.3
MAT225SS7	MAT225SSC7	225	7	0.3
MAT250SS7	MAT250SSC7	250	7	0.3
MAT300SS7	MAT300SSC7	300	7	0.3
MAT360SS7	MAT360SSC7	360	7	0.3
MAT450SS7	MAT450SSC7	450	7	0.3
MAT520SS7	MAT520SSC7	520	7	0.3
MAT600SS7	MAT600SSC7	600	7	0.3
MAT610SS7	MAT610SSC7	610	7	0.3
MAT650SS7	MAT650SSC7	650	7	0.3
MAT750SS7	MAT750SSC7	750	7	0.3
MAT1000SS7	MAT1000SSC7	1000	7	0.3
MAT1200SS7	MAT1200SSC7	1200	7	0.3
MAT1400SS7	MAT1400SSC7	1400	7	0.3

2. DOCUMENTS AND DRAWINGS :

- Cable Ties Catalog, dated 2015
- Drawing Stainless Steel Cable Tie Roller Ball Type No. YMS-6-708 Rev.05, dated Feb 15, 2013
- Drawing Stainless Steel Cable Tie Roller Ball Type No. YMS-6-709 Rev.05, dated Feb 15, 2013
- Drawing Stainless Steel Cable Tie Ladder Type No YMS-6 795 Rev 04, dated Feb 15 2013
- Drawing Stainless Steel Cable Tie Ball Type No. YMS-6-796 Rev.04, dated Feb 15. 2013
- Drawing Stainless Steel Cable Tie Ball Type No. YMS-6-797 Rev.04, dated Feb 15. 2013
- Drawing Stainless Steel Cable Tie Ball Type No. YMS-6-798 Rev.04. dated Feb 15. 2013
- Drawing Stainless Steel Cable Tie Ball Type No. YMS-6-799 Rev.04, dated Feb 15, 2013
- Drawing Stainless Steel Cable Tie Releasable Type No. YMS-6-800 Rev.04, dated Feb 15. 2013
- Drawing Stainless Steel Cable Tie Ladder Type No. YMS-6-801 Rev.03, dated Feb 15, 2013
- Drawing Stainless Steel Cable Tie Releasable Type No. YMS-6-802 Rev.03, dated Feb 15, 2013

HELLERMANNTYTON PTE LTD:

- List of BV Type Approved Part Number, along with corresponding list of Hellernlann Tyton Part Number, dated Dec 20, 2016

3. TEST REPORTS :**ERDA:**

- Type test Reports for Roller Ball type Ref.: IPOLWO005907S-2, dated Jun 21, 2008
- Type test Reports for Releasable type Ref.: IPOLWO0059078-16, dated Jun 21, 2008
- Type test Reports for Ladder type Ref.: IPOLWO005978-12, dated Jun 21, 2008

4. APPLICATION / LIMITATION :

- 4.1 - BUREAU VERITAS Rules for the Classification of Steel Ships and IEC 60092 Series and IEC 62275.
- 4.2 - Intermediate clips for cable bundles on board ships and Offshore Units
- 4.3 - To be installed in compliance with Regulations and Rules as stated on front page of the certificate.

5. PRODUCTION SURVEY REQUIREMENTS :

5.1 - The above products are to be supplied by **HELLERMANNTYTON PTE LTD** in accordance with the type described in this certificate.

5.2 - This type of product is within the category DBV of Bureau Veritas Rule Note NR320.

6. MARKING OF PRODUCT :

Manufacturer's name and part number.

7. OTHERS:

7.1 - It is **HELLERMANNTYTON PTE LTD** responsibility to inform shipbuilders or their sub-contractors of the proper methods of fitting, use and general maintenance of the approved equipment and the conditions of this approval.

7.2 - This certificate supersedes the Type Approval Certificate N° 48822/B0 BV issued on 06 Aug 2018 by the Society.

***** END OF CERTIFICATE *****