Marine & Offshore Division

TYPE APPROVAL CERTIFICATE

This certificate is issued to
HELLERMANN TYTON
Manchester - UNITED KINGDOM

for the type of product
CABLE TIES
TYPES: T, LK, RELK, RLT, LRT, RT, LPH, PE, MLT, MAT, MBT.

Requirements:
BV Rules for the Classification of Steel Ships.
IEC 60092 series.

This certificate is issued to attest that BUREAU VERITAS 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: 08 Jul 2020

For BUREAU VERITAS,
At BV LONDON, on 08 Jul 2015,
Spencer Yule

THE SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION :

Cable Ties

Type:

. Standard Cable Ties:

   T18R to T250L
   LK2 to LK5

. Releasable Cable Ties:

   RELK2R to RELK2L
   RLT120 & RLT150
   LRT230
   RT250S to RT250M

. Low Profile Ties:

   LPH175to LPH 350

. Parallel Entry Ties:

   PE180 to PE530

. Metal Ties:

   MLT8 to MLT24
   MAT8 to MAT24
   MBT5S to MBT33H
   MBT14XH to MBT33XH

2. DOCUMENTS AND DRAWINGS :
According to documents filed in ACE 14/281/01.

For modification I0 version:
Hellermann Tyton:
   - Drawing MBT_S Series No. 11-0551-001-CSE, dated 16.04.2014
   - Drawing MBT_H Series No. 14-0389-001-CSE, dated 16.04.2014
   - Drawing MBT_XH Series No. 14-0394-001-CSE, dated 16.04.2014

3. TEST REPORTS :
According to test report filed in ACE 14/281/01.

4. APPLICATION / LIMITATION :
4.1 - One metallic fastener is to be fitted every five ties except for "MLT, MAT, MBT" types.
4.2 - According to BUREAU VERITAS Rules for the Classification of Steel Ships.
4.3 - IEC 60092 series.

5. PRODUCTION SURVEY REQUIREMENTS :
5.1 - The above products are to be supplied by **HELLERMANN TYTON** 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 :
- Maker's name or Trade name
- Date of manufacture and serial number
- Equipment type number or model identification under which it was type-tested.

7. OTHERS :
7.1 - This approval is given on the understanding that the Society reserves the right to require check tests to be carried out on the units at any time and that:**HELLERMANN TYTON - UNITED KINGDOM**will accept full responsibility for informing shipbuilders, shipowners or their sub-contractors of the proper methods of use and general maintenance of the units and the conditions of this approval.

7.2 - This certificate supersedes the Type Approval Certificate No. 03856/H0 BV issued on 18 Dec 2009 by the Society.

*** END OF CERTIFICATE ***