



# TYPE APPROVAL CERTIFICATE

Certificate No:  
**TAE000027B**  
Revision No:  
**1**

## This is to certify:

### That the Cable Ties

with type designation(s)  
**GT-..., GTK-..., GTR-..., GTRN-..., MLG-...**

Issued to  
**Giantlok Co., Ltd.**  
**Taichung, Taiwan**

is found to comply with  
**DNV rules for classification – Ships, offshore units, and high speed and light craft**

## Application :

**Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV**

Issued at **Hamburg** on **2022-08-18**

This Certificate is valid until **2027-08-22**.

DNV local station: **Kaohsiung**

Approval Engineer: **Harald Amberger**



for **DNV**

Digitally Signed By: Schaarmann, Arne  
Location: DNV GL SE Hamburg, Germany  
Signing Date: 2022-08-19

**Arne Schaarmann**  
**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.



Form code: TA 251

Revision: 2021-03

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## Product description

### Standard cable ties

Material: Polyamide 6,6; UL94V-2

GT-100M	GT-120M	GT-140M	GT-150M	GT-160M	GT-200M
GT-120I	GT-140I	GT-150I	GT-180I	GT-200I	GT-215I
GT-250I	GT-280I	GT-300I	GT-360I	GT-370I	
GT-120ST	GT-160ST	GT-178ST	GT-190ST	GT-200ST	GT-216ST
GT-250ST	GT-266ST	GT-280ST	GT-300ST	GT-360ST	GT-370ST
GT-390ST	GT-430ST	GT-450ST	GT-530ST	GT-550ST	GT-635ST
GT-685ST	GT-730ST	GT-830ST	GT-920ST		
GT-150HD	GT-200HD	GT-240HD	GT-250HD	GT-280HD	GT-300HD
GT-370HD	GT-390HD				
GT-430HD-S	GT-450HD-S	GT-540HD-S	GT-600HD-S	GT-750HD-S	
GT-290HD	GT-380HD	GT-430HD	GT-450HD	GT-530HD	GT-630HD
GT-710HD	GT-780HD	GT-830HD	GT-920HD	GT-1020HD	GT-1070HD
GT-1220HD	GT-1370HD	GT-1530HD			
GT-230EHD	GT-290EHD	GT-380EHD	GT-480EHD	GT-580EHD	GT-730EHD
GT-880EHD	GT-1030EHD				
GT-100MH	GT-120MH	GT-140MH	GT-150MH	GT-160MH	GT-200MH
GT-190STH	GT-280STH	GT-300STH	GT-360STH	GT-370STH	
GT-200HDH	GT-240HDH	GT-250HDH	GT-280HDH	GT-300HDH	GT-370HDH
GT-450HD-SH	GT-540HD-SH	GT-600HD-SH	GT-750HD-SH		
GT-200HDUV	GT-300HDUV	GT-370HDUV			
GT-430HD-SUV	GT-450HD-SUV	GT-600HD-SUV	GT-750HD-SUV		

### Marker ties

Material: Polyamide 6,6; UL94V-2

GTK-100M	GTK-210M	GTK-190ST	GTK-220ST	GTK-300ST
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### Releasable ties

Material: Polyamide 6,6; UL94V-2

GTR-200ST	GTR-300ST	GTR-370ST	GTRN-300HDUV
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### Stainless steel cable ties

MLG-130ST	MLG-152ST	MLG-200ST	MLG-280ST	MLG-300ST	MLG-370ST
MLG-520ST	MLG-680ST	MLG-840ST			
MLG-200HD	MLG-300HD	MLG-370HD	MLG-450HD	MLG-500HD	MLG-680HD
MLG-840HD	MLG-1020HD				

## Application/Limitation

The cable ties should be installed with the company tools.

## Type Approval documentation

Test report : 097A011-F3 10150 to 097A011-F3 10158 dd. 12.02.2008, 097A011-F310562R1 and 097A011-F310563R1 dd. 16.05.2008; 097A011-F610012R1 dd. 01.08.2008  
 list of Test Reports No. 1/ 23.10.2008. KV-17-00064 dated 2017-07-10

## Tests carried out

UL1565:2002; EN50146:2000; IEC62275:2006, 2013



Job Id: **262.1-024813-3**  
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## Marking of product

Giantlok trademark and identifying symbol.

## Periodical assessment

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

The main elements of the assessment are:

- Inspection on factory samples, selected at random from the production line (where practicable)
- Results from Routine Tests (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