

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Clip, Saddle, Band

with type designation(s)

Cable ties: PT2A, PT220

Issued to

Hellermann Tyton GmbH
Tornesch, Germany

is found to comply with

DNV GL rules for classification – Ships

Application :

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

This Certificate is valid until **2021-07-26**.

Issued at **Hamburg** on **2016-07-27**

DNV GL local station: **Hamburg**

Approval Engineer: **Maik Gagern**

for **DNV GL**

Duy Nam Le
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.

Product description

Cable tie (non metallic)

Type PT2A
material poly-ether-ether-keton
temperature range -55°C up to +240°C *
dimensions length 145 mm x width 3,4 mm

Type PT220
material poly-ether-ether-keton
temperature range -55°C up to +240°C *
dimensions length 220 mm x width 4,7mm

* as per material data sheet

Application/Limitation

Installation requirements as well as data sheet of the manufacturer to be observed

Type Approval documentation

VDE confirmation 565200-5420-0001/142975:2011-04-08
dwg. 14.1990:2011-02-18; 11-0187-001-CSG:2011-02-18

Tests carried out

DNV GL Rules for Classification DNVGL-RU-0050, Edition 2016-01
DNV GL Class Guidelines DNVGL-CG-0339, Edition 2015-11
EN 62275:2009

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
 - 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 least every second year.

END OF CERTIFICATE