

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Clip, Saddle, Band

with type designation(s)
NZ-1 series

Issued to

YueQing XinXing Cable Accessories Co., Ltd.
YueQing, China

is found to comply with
DNV GL rules for classification – Ships and offshore units

Application :

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

This Certificate is valid until **2021-02-24**.

Issued at **Høvik** on **2016-02-25**

DNV GL local station: **Ningbo CMC**

Approval Engineer: **Marta Alonso Pontes**

for **DNV GL**

Marit Laumann
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.

Job Id: **262.1-019985-1**
Certificate No: **TAE00000TW**

Product description

Nylon cable ties :

Series	Dimensions [mm]			Declared Tensile (N)	Min to Max Installation Temperature
	W	T	L		
NZ-1 3mm	3	1	100-150	50	-40°C to + 85°C
NZ-1 4mm	4	1,2	200-250	150	-40°C to + 85°C
NZ-1 5mm	5	1,5	250-300	200	-40°C to + 85°C
NZ-1 8mm	8	1,6	145-400	400	-40°C to + 85°C
NZ-1 10mm	10	1,8	300-600	500	-40°C to + 85°C

Classification according to IEC 62275 :

6.1 Material	Non-metallic component
6.2 Loop tensile strength for cable ties	50-500
6.2.3 Type 2	Retains 100% declared loop tensile strength after test condition
6.3.1 Maximum operating temperature for application	85°C
6.3.2 Minimum operating temperature for application	-40°C
6.3.3 Minimum temperature during installation	-40°C
6.4 Contribution to fire	Flame propagating (NZ-1 3mm-5mm)
	Non-flame propagating (NZ-1 8mm-10mm)
6.5.1 Resistance to ultraviolet light	Not declared
6.5.2 Resistance to corrosion	Resistant to corrosion

Application/Limitation

Cable ties for indoor use on ships and mobile offshore installations

Type Approval documentation

Tests carried out

Tested according to IEC62275 (Installation, Minimum installation temperature, minimum operating temperature, Loop tensile strength, flame test, resistance to corrosion)

Marking of product

Company name, Type designation and Dimension

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 Production Sample Tests (PST) and Routines (RT) checked (if not available tests according to PST and 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.

Assessment to be performed at least every second year.

END OF CERTIFICATE