

Certificate No:
TAE0000137
File No:
828.50
Job Id:
262.1-021186-1

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Clip, Saddle, Band

with type designation(s)
Cable Ties TY FAST

Issued to

Thomas & Betts Corporation
Memphis TN, United States

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 **2021-06-02**.

Issued at **Høvik** on **2016-06-03**

DNV GL local station: **Houston**

Approval Engineer: **Nicolay Horn**

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. If any person suffers loss or damage which is proven to have been caused by any negligent act or omission of the Society, then the Society shall pay compensation to such person for his proven direct loss or damage. However, the compensation shall not exceed an amount equal to ten times the fee charged for the service in question. The maximum compensation shall never exceed USD 2 million. In this provision the "Society" shall mean DNV GL AS as well as all its direct and indirect owners, affiliates, subsidiaries, directors, officers, employees, agents and any other person or entity acting on behalf of DNV GL AS.

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Name and Place of manufacturer

Thomas & Betts Corporation,
Portland,
United States

Thomas & Betts
Kecskemet
Hungary

Product description

Cable Ties of non metallic material.

Type TY-Fast Indoor use only	Type Catamount Indoor use only	Dimension [mm]			Declared Tensile (N)	Min&Max Operating Temperature [°C]
		T (Min)	W (Min)	L (Min)		
TY100-18	L-4-18-9	1.07	2.34	112	80	-40 to 85
TY150-18	L-6-18-9	1.19	2.34	160	80	
TY200-18	L-8-18-9	1.19	2.34	203	80	
TY100-18-39	L-4-18HS-9	1.07	2.34	112	80	
TY150-18-39	L-6-18HS-9	1.19	2.34	160	80	
TY200-18-39	L-8-18HS-9	1.19	2.34	203	80	
TY125-30	L-5-30-9	0.97	3.04	142	130	-30 to 85
TY125-40	L-5-40-9	1.12	3.48	142	180	
TY200-40	L-8-40-9	1.12	3.48	203	180	
TY300-40	L-11-40-9	1.12	3.48	290	180	-40 to 85
TY400-40	-	1.12	3.48	363	180	-30 to 85
TY125-40-39	L-5-40HS-9	1.12	3.48	142	180	-40 to 85
TY200-40-39	L-8-40HS-9	1.12	3.48	203	180	
TY300-40-39	L-11-40HS-9	1.12	3.48	290	180	
TY125-50	L-5-50-9	1.19	4.6	160	222	
TY175-50	L-7-50-9	1.19	4.6	185	222	
TY225-50	-	1.16	4.52	226	222	
TY300-50	L-11-50-9	1.16	4.52	290	222	
TY400-50	L-14-50-9	1.19	4.6	363	222	
TY175-50-39	L-7-50HS-9	1.19	4.6	185	222	
TY225-50-39	-	1.16	4.52	226	222	
TY300-50-39	L-11-50HS-9	1.16	4.52	290	222	
TY400-50-39	L-14-50HS-9	1.19	4.6	363	222	
TY200-120	L-8-120-9	1.88	7.52	218	534	
TY300-120	L-11-120-9	1.88	7.52	290	534	
TY400-120	L-14-120-9	1.88	7.52	373	534	
TY450-120	L-18-120-9	1.52	7.37	457	534	
TY600-120	L-24-120-9	1.78	7.37	632	534	
TY800-120	L-28-120-9	1.88	7.52	711	534	
TY400-120-39	L-14-120HS-9	1.88	7.52	373	534	
TY450-120-39	L-18-120HS-9	1.52	7.37	457	534	
TY600-120-39	L-24-120HS-9	1.52	7.37	632	534	
TY800-120-39	L-28-120HS-9	1.88	7.52	711	534	

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		T (Min)	W (Min)	L (Min)		
TY100-18X	L-4-18-0	1.07	2.34	112	80	-40 to105
TY150-18X	L-6-18-0	1.19	2.34	160	80	
TY200-18X	L-8-18-0	1.19	2.34	203	80	
TY100-18X-39	L-4-18HS-0	1.07	2.34	112	80	
TY125-30X	L-5-30-0	0.97	3.04	142	130	
TY125-30X-39	L-5-30HS-0	0.97	3.04	142	130	
TY125-40X	L-5-40-0	1.12	3.48	142	180	-30 to105
TY200-40X	L-8-40-0	1.12	3.48	203	180	
TY300-40X	L-11-40-0	1.12	3.48	290	180	
TY400-40X	L-14-40-0	1.12	3.48	363	180	-40 to105
TY125-40X-39	L-5-40HS-0	1.12	3.48	142	180	-30 to105
TY200-40X-39	L-8-40HS-0	1.12	3.48	203	180	
TY300-40X-39	L-11-40HS-0	1.12	3.48	290	180	
TY400-40X-39	L-14-40HS-0	1.12	3.48	363	180	-40 to105
TY125-50X	L-5-50-0	1.19	4.6	160	222	
TY175-50X	L-7-50-0	1.19	4.6	185	222	
TY225-50X	-	1.16	4.52	226	222	
TY300-50X	L-11-50-0	1.16	4.52	290	222	
TY400-50X	L-14-50-0	1.19	4.6	363	222	
TY125-50X-39	L-5-50HS-0	1.19	4.6	160	222	
TY175-50X-39	L-7-50HS-0	1.19	4.6	185	222	
TY225-50X-39	-	1.16	4.52	226	222	
TY300-50X-39	L-11-50HS-0	1.16	4.52	290	222	
TY400-50X-39	L-14-50HS-0	1.19	4.6	363	222	
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TY800-120X-39	L-28-120HS-0	1.88	7.52	711	534	

Application/Limitation

Cable bands for use inside and outside (..X type only, UV resistant) on ships and mobile offshore installations.

Type Approval documentation

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Tests carried out

Type tests in accordance with UL (IEC) 62275.

Marking of product

Company Name, Type designation and Size

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.

Assessment to be performed at least every second year.

END OF CERTIFICATE