

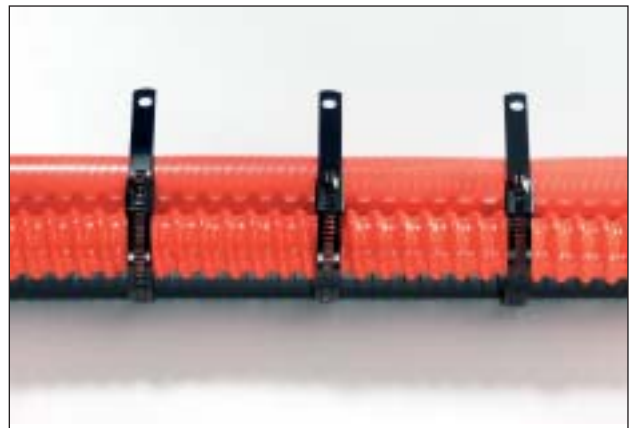
The Ty-Met™ stainless steel ties are the ultimate solution to install your cables in extreme conditions and hazardous areas, like in the petrochemical and food processing industries, shipbuilding, offshore and other aggressive environments.

Combining a high mechanical strength with chemical durability and temperature resistance, they are resistant to fire, to corrosion, to salt water and to UV exposure.

Made of anti-magnetic stainless steel, they can be covered with low smoke, halogen free coatings, and are available in different styles:

- Ball-Lock Type: quick and reliable self-locking mechanism
- Ladder Type: easy application and strong locking system
- Releasable Type: can be unfastened for reuse
- Multi purpose band: pre-punched bands for fastening around all kind of shapes

A range of dedicated tooling for tensioning and manual cutting is available, along with tension setting tools for automatic cutting.



Ball-Lock Type

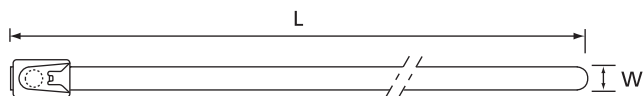
The Ball-Lock Type stainless steel ties from Thomas & Betts are self-locking, requiring no time consuming crimping or folding operations. The strong locking mechanism, incorporating a steel ball, has a low insertion force while the strap section has rounded edges and smooth surfaces making the ties ideal for fast, safe hand installation.

Main features

- “Ball-Lock” self-locking mechanism
- Fast end easy installation
- Suitable for indoor or outdoor applications
- 2 grades of non-magnetic materials: stainless steel 304 for standard applications and stainless steel 316 for extra corrosion resistance
- 2 types of finish: uncoated version (in 304 and 306 grades stainless steel) for high temperature applications and a 316 grade stainless steel version fully coated with a non-toxic, halogen free Polyester coating for a superior protection of cables and installer’s hands, as well as an improved insulation between dissimilar materials
- 2 widths: 4.6 mm and 7.9 mm for severe applications where extreme tensile strength (up to 1110N) is required
- 12 standard lengths (up to 1400 mm long) to cover most applications, while custom lengths can always be provided (please contact your Sales Office)
- Dedicated tooling: either Prod. Ref. CT3 for manual cutting, or Prod. Ref. CT6 for tension setting tool with automatic cutting

Applications

- Ship building
- Petrochemical and offshore
- Food processing
- Other aggressive environments



Technical Information: stainless steel Ball-Lock ties, uncoated

Material	A. 304 grade non-magnetic stainless steel B. 316 grade non-magnetic stainless steel
Temperature range	-80°C to +540°C
Colour	Metallic
Flammability rating	Absolutely fireproof and UV-resistant



Approvals



E49405*

* Some approvals may not be applicable to all the Product References. Contact your Sales office for approvals limitations

Technical Information: stainless steel Ball-Lock ties, coated

Material	316 grade non-magnetic stainless steel Coating: Polyester
Temperature range	-80°C to +150°C
Colour	Black
Flammability rating	Absolutely fireproof
Other properties	UV-resistant Coating: Halogen free, non toxic



Ordering Information: uncoated

PRODUCT REF. STAINLESS STEEL 304	PRODUCT REF. STAINLESS STEEL 316	LENGTH X WIDTH [mm]	MATERIAL THICKNESS [mm]	MAX BUNDLE Ø [mm]	TENSILE STRENGTH [N]	QUANTITY [pieces]	TOOLING
YLS-4.6-100A	YLS-4.6-100B	100 x 4.6	0.26	20	440	100	
YLS-4.6-125A	YLS-4.6-125B	125 x 4.6	0.26	22	440	100	
YLS-4.6-150A	YLS-4.6-150B	150 x 4.6	0.26	24	440	100	
YLS-4.6-200A	YLS-4.6-200B	200 x 4.6	0.26	50	440	100	
YLS-4.6-300A	YLS-4.6-300B	300 x 4.6	0.26	80	440	100	
YLS-4.6-360A	YLS-4.6-360B	360 x 4.6	0.26	100	440	100	
YLS-4.6-520A	YLS-4.6-520B	520 x 4.6	0.26	150	440	100	
YLS-4.6-680A	YLS-4.6-680B	680 x 4.6	0.26	200	440	100	
YLS-4.6-840A	YLS-4.6-840B	840 x 4.6	0.26	250	440	100	
YLS-4.6-1000A	YLS-4.6-1000B	1000 x 4.6	0.26	300	440	100	
YLS-4.6-1200A	YLS-4.6-1200B	1200 x 4.6	0.26	365	440	100	
YLS-4.6-1400A	YLS-4.6-1400B	1400 x 4.6	0.26	425	440	100	
YLS-7.9-100A	YLS-7.9-100B	100 x 7.9	0.26	20	1110	100	CT3
YLS-7.9-125A	YLS-7.9-125B	125 x 7.9	0.26	22	1110	100	CT6
YLS-7.9-150A	YLS-7.9-150B	150 x 7.9	0.26	24	1110	100	
YLS-7.9-200A	YLS-7.9-200B	200 x 7.9	0.26	50	1110	100	
YLS-7.9-300A	YLS-7.9-300B	300 x 7.9	0.26	80	1110	100	
YLS-7.9-360A	YLS-7.9-360B	360 x 7.9	0.26	100	1110	100	
YLS-7.9-520A	YLS-7.9-520B	520 x 7.9	0.26	150	1110	100	
YLS-7.9-680A	YLS-7.9-680B	680 x 7.9	0.26	200	1110	100	
YLS-7.9-840A	YLS-7.9-840B	840 x 7.9	0.26	250	1110	100	
YLS-7.9-1000A	YLS-7.9-1000B	1000 x 7.9	0.26	300	1110	100	
YLS-7.9-1200A	YLS-7.9-1200B	1200 x 7.9	0.26	365	1110	100	
YLS-7.9-1400A	YLS-7.9-1400B	1400 x 7.9	0.26	425	1110	100	

Ordering Information: coated

PRODUCT REF. STAINLESS STEEL 316	LENGTH X WIDTH [mm]	MATERIAL THICKNESS [mm]	MAX BUNDLE Ø [mm]	TENSILE STRENGTH [N]	QUANTITY [pieces]	TOOLING
YLS-4.6-100BC	100 x 4.6	0.36	20	440	100	
YLS-4.6-125BC	125 x 4.6	0.36	22	440	100	
YLS-4.6-150BC	150 x 4.6	0.36	24	440	100	
YLS-4.6-200BC	200 x 4.6	0.36	50	440	100	
YLS-4.6-300BC	300 x 4.6	0.36	80	440	100	
YLS-4.6-360BC	360 x 4.6	0.36	100	440	100	
YLS-4.6-520BC	520 x 4.6	0.36	150	440	100	
YLS-4.6-680BC	680 x 4.6	0.36	200	440	100	
YLS-4.6-840BC	840 x 4.6	0.36	250	440	100	
YLS-4.6-1000BC	1000 x 4.6	0.36	300	440	100	
YLS-4.6-1200BC	1200 x 4.6	0.36	365	440	100	
YLS-4.6-1400BC	1400 x 4.6	0.36	425	440	100	
YLS-7.9-100BC	100 x 7.9	0.36	20	530	100	CT3
YLS-7.9-125BC	125 x 7.9	0.36	22	530	100	CT6
YLS-7.9-150BC	150 x 7.9	0.36	24	530	100	
YLS-7.9-200BC	200 x 7.9	0.36	50	530	100	
YLS-7.9-300BC	300 x 7.9	0.36	80	530	100	
YLS-7.9-360BC	360 x 7.9	0.36	100	530	100	
YLS-7.9-520BC	520 x 7.9	0.36	150	530	100	
YLS-7.9-680BC	680 x 7.9	0.36	200	530	100	
YLS-7.9-840BC	840 x 7.9	0.36	250	530	100	
YLS-7.9-1000BC	1000 x 7.9	0.36	300	530	100	
YLS-7.9-1200BC	1200 x 7.9	0.36	365	530	100	
YLS-7.9-1400BC	1400 x 7.9	0.36	425	530	100	

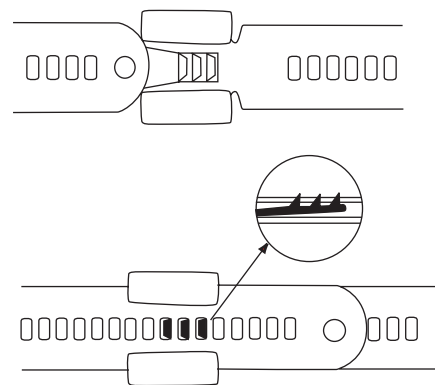
Ladder Type

The Ladder Type ties are made of non-magnetic 316 grade stainless steel and have no sharp edges. Thanks to their high mechanical and chemical durability, they are ideal for applications requiring extreme strength and for use in hazardous environments, in mining, off-shore, in power stations, in petrochemical industry and in ship-building. Available either in uncoated version, which is absolutely fireproof, or coated with Polyamide 11. Extremely strong locking mechanism.



Technical Information

Material	316 grade stainless steel
Coating	Uncoated or coated with Polyamide 11
Temperature range	Uncoated: -80°C to +540°C Coated: -20°C to +105°C
Colour	Black coating or metallic
Flammability rating	Uncoated: fireproof Coating: UL 94 V-2
Other properties	Coating: UV-resistant, Halogen free



Ordering Information

PRODUCT REF.	COATING	LENGTH [mm]	WIDTH [mm]	THICKNESS [mm]	MAX. BUNDLE DIAMETER [mm]	MINIMUM TENSILE STRENGTH [N]	QUANTITY [pieces]	TOOLING
LD-7-150-B	uncoated	150	7.0	0.25	33	1110	100	
LD-7-225-B	uncoated	225	7.0	0.25	57	1110	100	
LD-7-300-B	uncoated	300	7.0	0.25	81	1110	100	
LD-7-450-B	uncoated	450	7.0	0.25	129	1110	100	
LD-7-610-B	uncoated	610	7.0	0.25	180	1110	100	
LD-7-150-BC	coated	150	7.0	0.40	33	1110	100	
LD-7-225-BC	coated	225	7.0	0.40	57	1110	100	CT1-TB
LD-7-300-BC	coated	300	7.0	0.40	81	1110	100	CT2-TB
LD-7-450-BC	coated	450	7.0	0.40	129	1110	100	CT3
LD-7-610-BC	coated	610	7.0	0.40	180	1110	100	CT4-TB
LD-12-150-B	uncoated	150	12.0	0.25	33	1110	100	CT5
LD-12-225-B	uncoated	225	12.0	0.25	57	1110	100	WT3S
LD-12-300-B	uncoated	300	12.0	0.25	81	1110	100	
LD-12-450-B	uncoated	450	12.0	0.25	129	1110	100	
LD-12-610-B	uncoated	610	12.0	0.25	180	1110	100	
LD-12-150-BC	coated	150	12.0	0.40	33	1110	100	
LD-12-225-BC	coated	225	12.0	0.40	57	1110	100	
LD-12-300-BC	coated	300	12.0	0.40	81	1110	100	
LD-12-450-BC	coated	450	12.0	0.40	129	1110	100	
LD-12-610-BC	coated	610	12.0	0.40	180	1110	100	

For tooling specifications see pages 92 to 99



Ty-Met™

Stainless steel ties

Releasable Type (P.P.A. coated)

Stainless steel ties for cable bundling in harsh environments

The Releasable Ties are made from high strength, corrosion resistant 316 stainless steel coated with P.P.A., a non-toxic, halogen free and low-smoke material. The unique buckle design provides quick, easy application and can just as easily be unfastened for re-use. Ties can be tensioned by hand or by using a Cable Tie Tensioner CT2-TB, Tensioning Hook CT1-TB or Bantam Tool CT4-TB.

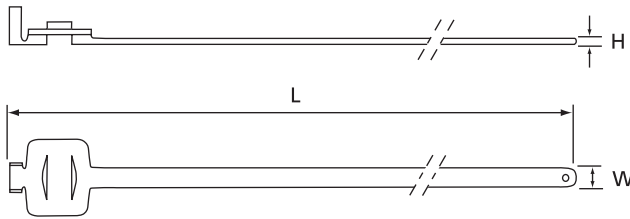
The P.P.A. coating is applied to the stainless steel in a highly controlled fluidised bed process resulting in a uniform, consistent coating thickness. The weather-resistant coating is unaffected by U.V., remains extremely flexible at low temperatures and protects cable from damage or interference due to direct contact with stainless steel.

Ties are available in a wide combination of lengths and widths for application versatility. They can also be supplied with no coating.



Technical Information

Material	316 grade stainless Steel
Coating	P.P.A.
Temperature range	-30°C to +105°C
Colour	Black coating
Flammability rating	Tie: fireproof Coating: UL 94 V-0
Other properties	Coating: Halogen free, low smoke, non-toxic, UV-resistant



Ordering Information

PRODUCT REF.	DIMENSIONS			MAX. BUNDLE DIAMETER [mm]	MINIMUM TENSILE STRENGTH [N]	QUANTITY [pieces]	TOOLING
	L [mm]	W [mm]	H [mm]				
RL-6-150-BC	152	6.35	1.3	38	330	100	
RL-6-230-BC	229	6.35	1.3	63	330	100	
RL-6-300-BC	305	6.35	1.3	86	330	100	
RL-6-450-BC	457	6.35	1.3	137	330	100	
RL-6-610-BC	610	6.35	1.3	185	330	100	CT1-TB
RL-10-150-BC	152	9.53	1.3	38	440	100	CT2-TB
RL-10-230-BC	229	9.53	1.3	63	440	100	CT4-TB
RL-10-300-BC	305	9.53	1.3	86	440	100	
RL-10-450-BC	457	9.53	1.3	137	440	100	
RL-10-610-BC	610	9.53	1.3	185	440	100	
RL-10-760-BC	762	9.53	1.3	231	440	100	
RL-10-910-BC	914	9.53	1.3	280	440	100	

For tooling specifications see pages 92 to 99

Ty-Met™

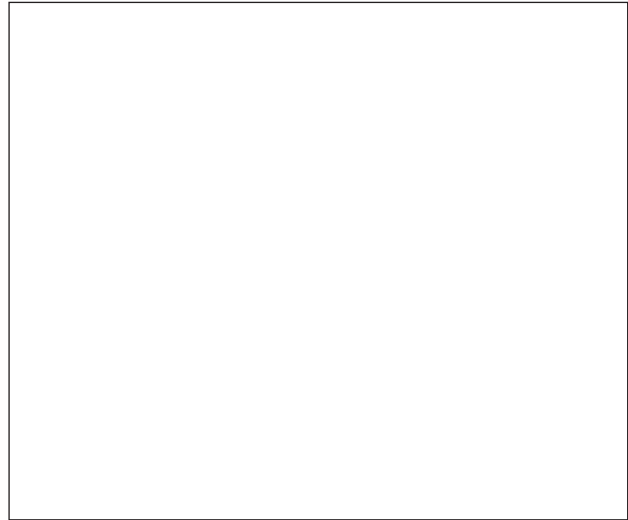
Stainless steel ties

Multi purpose band

- Applications: installation, maintenance, street lights
- 3 different materials: non-magnetic 316 type stainless steel, galvanised steel and copper
- The multi purpose bands made of stainless steel and galvanised steel are also available coated with P.P.A., a non-toxic, halogen free and low-smoke material

Technical Information

Material (see table)	1. Stainless Steel 316 2. Galvanised Steel 3. Copper
Coating	Uncoated or coated with P.P.A.
Temperature range	P.P.A. coated: -30°C to +105°C Uncoated: -30°C to +540°C
Colour	Metallic Black coating
Flammability rating	Uncoated: fireproof Coating: UL 94 V-0
Other properties	Coating: halogen free, low smoke, non-toxic, UV-resistant



PRODUCT REF.	M
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