

Ty-Met™

Stainless steel ties

The ultimate solution



Thomas & Betts

Ty-Met™

Stainless steel ties



Ball-Lock Type

Easy application and strong self-locking mechanism (steel ball), with low insertion force



Rounded edges and smooth surfaces, for fast and safe hand installation

Uncoated or fully coated with non-toxic, Halogen free Polyester

Angled / rounded tail, for safer handling and easier insertion

Ladder Type

Self-locking mechanism (pawl and ratchet)



Low profile, flat head (no sharp edges), for easy and safe installation

Uncoated or fully coated with non-toxic, Halogen free Polyester

Larger slot at the end, allows the use of a hook-type tool

Releasable Type

The unique buckle design allows the tie to be unfastened for re-use



Additional ears can be bent back over the fastened tie to increase the tensile strength

Fully coated with non-toxic, Halogen free Polyester

Can be installed by hand, and if necessary, the slots at the end allow the use of a hook-type tool

Ty-Met™

Stainless steel ties

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



The Ty-Met™ stainless steel ties provide a high mechanical strength combined with chemical durability and temperature resistance.

They are available in three different types:

- **Ball-Lock Type:** quick and reliable self-locking mechanism
- **Ladder Type:** easy application and strong locking system
- **Releasable Type:** can be unfastened for re-use

All types are available in a broad range of lengths and **two different widths**, providing extreme levels of tensile strength.

- Non-magnetic, **316 grade stainless steel** (marine grade), for extra corrosion resistance.
- **Uncoated version** for high temperature applications.
- **Fully coated version** with non-toxic, Halogen free Polyester coating, for a superior protection of cables and installer's hands and for an improved insulation between dissimilar materials.
- **Temperature range:** -80°C to +538°C (to +150°C for the coated version).
- Supplied in **bags of 100 ties**.
- **Approvals:** UL, Germanischer Lloyd, Lloyd's Register and Det Norske Veritas. RoHS compliant.
- **Halogen free, corrosion-proof and resistant to salt water.**



UV-resistant



Fire-proof



Heat
resistant



Low temperature
flexibility



Weatherproof



Radiation
resistant



Chemically
resistant



Ball-Lock Type

The Ball-Lock Type stainless steel ties from Thomas & Betts are self-locking, requiring no time consuming crimping or folding operations.

- Strong self-locking mechanism (steel ball), with low insertion force
- Fast, easy and reliable installation
- 2 grades of non-magnetic stainless steel: 304 grade for standard applications and 316 (marine grade) for extra corrosion resistance



Ball-Lock Type: uncoated

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

Ball-Lock Type: coated

PRODUCT REF. STAINLESS STEEL 316 POLYESTER COATED	LENGTH X WIDTH [mm]	MAX. BUNDLE DIAMETER [mm]	MIN. TENSILE STRENGTH [N]
YLS-4.6-100BC	100 x 4.6	20	440
YLS-4.6-125BC	125 x 4.6	22	440
YLS-4.6-150BC	150 x 4.6	24	440
YLS-4.6-200BC	200 x 4.6	50	440
YLS-4.6-300BC	300 x 4.6	80	440
YLS-4.6-360BC	360 x 4.6	100	440
YLS-4.6-520BC	520 x 4.6	150	440
YLS-4.6-680BC	680 x 4.6	200	440
YLS-4.6-840BC	840 x 4.6	250	440
YLS-4.6-1000BC	1000 x 4.6	300	440
YLS-4.6-1200BC	1200 x 4.6	365	440
YLS-4.6-1400BC	1400 x 4.6	425	440
YLS-7.9-100BC	100 x 7.9	20	530
YLS-7.9-125BC	125 x 7.9	22	530
YLS-7.9-150BC	150 x 7.9	24	530
YLS-7.9-200BC	200 x 7.9	50	530
YLS-7.9-300BC	300 x 7.9	80	530
YLS-7.9-360BC	360 x 7.9	100	530
YLS-7.9-520BC	520 x 7.9	150	530
YLS-7.9-680BC	680 x 7.9	200	530
YLS-7.9-840BC	840 x 7.9	250	530
YLS-7.9-1000BC	1000 x 7.9	300	530
YLS-7.9-1200BC	1200 x 7.9	365	530
YLS-7.9-1400BC	1400 x 7.9	425	530

Application tools

Product Ref. CT3

- Tensioning and manual cutting hand tool
- For Ball-Lock Type and Ladder Type ties, coated and uncoated

Product Ref. CT5 and CT6

- Adjustable tension setting, automatic cutting hand tool
- CT5: for Ladder Type ties, coated and uncoated
- CT6: for Ball-Lock Type ties, coated and uncoated



CT3

Ladder Type

The new Ladder Type stainless steel ties from Thomas & Betts have a flat, low profile head for easy application.

- Strong self-locking mechanism (pawl and ratchet), requires no time consuming crimping or folding operations
- Flat and low profile head (no sharp edge), for easy installation
- Increased usable length (slots up to the end of the tail), allows larger bundle diameters with the same tie length



Ladder Type: uncoated

PRODUCT REF. STAINLESS STEEL 316	LENGTH X WIDTH [mm]	MAX. BUNDLE DIAMETER [mm]	MIN. TENSILE STRENGTH [N]
YLD-7-150-B	150 x 7.0	43	445
YLD-7-225-B	225 x 7.0	67	445
YLD-7-300-B	300 x 7.0	91	445
YLD-7-450-B	450 x 7.0	139	445
YLD-7-610-B	610 x 7.0	190	445
YLD-12-150-B	150 x 12.0	43	890
YLD-12-225-B	225 x 12.0	67	890
YLD-12-300-B	300 x 12.0	91	890
YLD-12-450-B	450 x 12.0	139	890
YLD-12-610-B	610 x 12.0	190	890

Ladder Type: coated

PRODUCT REF. STAINLESS STEEL 316 POLYESTER COATED	LENGTH X WIDTH [mm]	MAX. BUNDLE DIAMETER [mm]	MIN. TENSILE STRENGTH [N]
YLD-7-150-BC	150 x 7.0	43	445
YLD-7-225-BC	225 x 7.0	67	445
YLD-7-300-BC	300 x 7.0	91	445
YLD-7-450-BC	450 x 7.0	139	445
YLD-7-610-BC	610 x 7.0	190	445
YLD-12-150-BC	150 x 12.0	43	890
YLD-12-225-BC	225 x 12.0	67	890
YLD-12-300-BC	300 x 12.0	91	890
YLD-12-450-BC	450 x 12.0	139	890
YLD-12-610-BC	610 x 12.0	190	890

Releasable Type

The new Releasable Type stainless steel ties from Thomas & Betts have a unique buckle design that allows the ties to be unfastened for re-use.

- Releasable and re-usable
- Fast, easy and reliable installation - can be installed by hand
- The additional ears can be bent back over the fastened tie to increase the tensile strength



Releasable Type: coated

PRODUCT REF. STAINLESS STEEL 316 POLYESTER COATED	LENGTH X WIDTH [mm]	MAX. BUNDLE DIAMETER [mm]	MIN. TENSILE STRENGTH [N]
YRL-5-150-BC	150 x 5.0	35	334 (1334 for DNV)
YRL-5-230-BC	230 x 5.0	60	334 (1334 for DNV)
YRL-5-330-BC	330 x 5.0	95	334 (1334 for DNV)
YRL-5-450-BC	450 x 5.0	130	334 (1334 for DNV)
YRL-5-650-BC	650 x 5.0	195	334 (1334 for DNV)
YRL-10-150-BC	150 x 10.0	35	1112 (2000 for DNV)
YRL-10-230-BC	230 x 10.0	60	1112 (2000 for DNV)
YRL-10-330-BC	330 x 10.0	95	1112 (2000 for DNV)
YRL-10-450-BC	450 x 10.0	130	1112 (2000 for DNV)
YRL-10-650-BC	650 x 10.0	195	1112 (2000 for DNV)
YRL-10-750-BC	750 x 10.0	225	1112 (2000 for DNV)
YRL-10-900-BC	900 x 10.0	270	1112 (2000 for DNV)

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