Bandtite®

V.2025

STAINLESS STEEL BAND & BUCKLES

COMPANY PROFILE

Established in 2012 and headquartered in Wenzhou City, China, Bandtite is a dedicated manufacturer specializing in high-quality Stainless Steel Fastening Solutions. We provide a comprehensive portfolio of durable and reliable products, including Stainless Steel Banding, Banding Buckles, Hose Clamps, and Stainless Steel Cable Ties.

Our core focus is to serve markets in Europe and Latin America, understanding the critical need for robust and long-lasting fastening solutions in these regions. Bandtite is committed to delivering products that meet stringent quality standards, evidenced by our CE and RoHS certifications.

Our key offerings encompass a wide array of stainless steel fastening products designed to provide secure and dependable performance in various applications. From heavy-duty banding for industrial use to precise hose clamps and versatile cable ties, our products are engineered for durability and resistance to demanding environmental conditions.

Bandtite strives to be a trusted partner, providing reliable stainless steel fastening solutions that meet the diverse needs of our customers in Europe and Latin America. We are committed to quality and compliance, ensuring our products meet international standards. Visit us online at www.bandtite.com to learn more about how Bandtite can support your fastening requirements.

PRODUCT INDEX

1. Description

Stainless Steel Banding Strap is a high-strength, corrosion-resistant fastening solution designed for demanding applications. Manufactured from various grades of stainless steel, this banding provides durable and long-lasting securement for bundling, clamping, identifying, and mounting items across diverse industries. It is typically applied using specialized tensioning tools and secured with compatible stainless steel buckles or clips, ensuring a reliable and robust connection in harsh environmental conditions, including outdoor, marine, and industrial settings.

2. Key Features

- **Superior Corrosion Resistance:** Excellent resistance to atmospheric corrosion, chemicals, and saltwater (especially Grades 304 and 316), ensuring longevity in harsh environments.
- **High Tensile Strength:** Provides strong, secure fastening capable of withstanding significant loads and vibrations.
- **Durability:** Resistant to abrasion, impact, and wear, maintaining integrity over time.
- **Wide Temperature Range:** Suitable for applications involving extreme temperatures, both high and low.
- **UV Resistance:** Unaffected by prolonged exposure to sunlight, ideal for outdoor applications.
- **Non-Toxic & Hygienic:** Suitable for applications in food processing or sensitive environments (verify grade suitability).
- **Versatility:** Adaptable for securing cables, hoses, pipes, signs, insulation, and various other components.
- **Professional Finish:** Offers a clean, finished appearance once installed.
- **Safety Edge Option:** Available with deburred or rounded edges for safer handling.

3. Associated Products

Banding Buckles (Page 8)

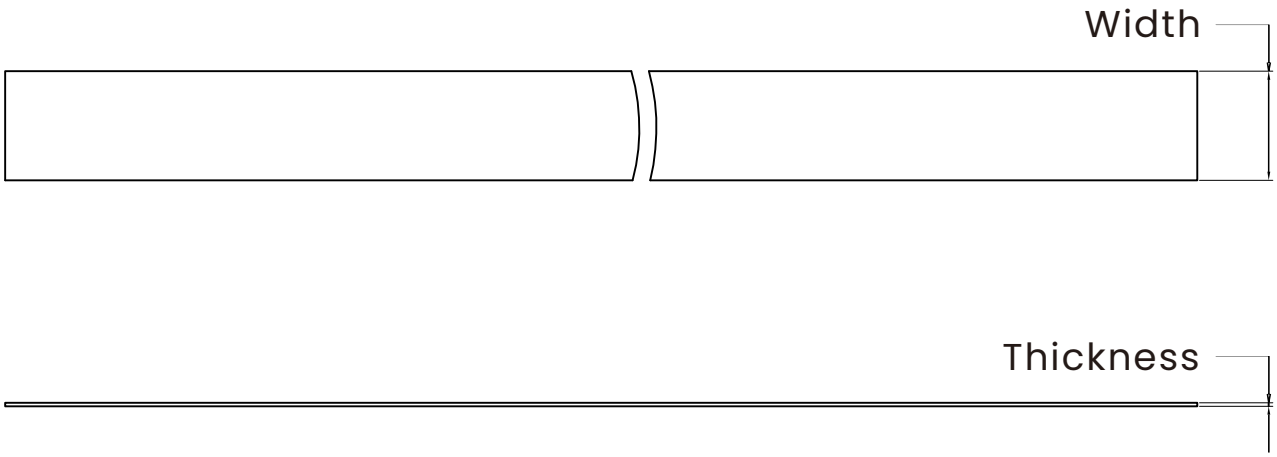
Wing Seals (Page 8)

Banding Tool - LYBT001

4. Technical Data

- **Material Grades:** Typically available in SS201, SS304, SS316.
  - Note: SS201 offers general-purpose use with good strength. SS304 provides excellent corrosion resistance for general outdoor and industrial use. SS316 offers superior corrosion resistance, especially against chlorides and acids, making it ideal for marine, coastal, and chemical environments.
- **Tensile Strength:** Varies by grade and dimensions. Typically ranges from 500 - 850 MPa (72,500 - 123,000 psi).
- **Yield Strength:** Typically ranges from 200 - 550 MPa (29,000 - 79,800 psi).
- **Elongation at Break:** Typically 40-50%.
- **Available Widths:** Common widths include 1/4" (6.4mm), 3/8" (9.5mm), 1/2" (12.7mm), 5/8" (16.0mm), 3/4" (19.0mm). Other sizes may be available upon request.
- **Available Thicknesses:** Common thicknesses include 0.015" (0.4mm), 0.020" (0.5mm), 0.025" (0.64mm), 0.030" (0.76mm). Thicker bands generally provide higher strength.
- **Standard Coil Length:** Typically 100 ft (30.5m) or 50m rolls. Custom lengths may be available.
- **Edge Finish:** Rounded Safety Edge for manual handling to reduce injury risk.
- **Operating Temperature Range:** Suitable for applications from approximately -60°C to +530°C (-76°F to +986°F). Performance under load at temperature extremes depends on grade and specific conditions.
- **Melting Point:** Approximately 1400-1450°C (2550-2650°F), varying slightly by specific grade.
- **Compliance:** May conform to standards such as ASTM A240/A666 (for base material).

5. Specifications



Light Duty Bands

Width		Thickness		Optional Length(m)	Optional Material
inch	mm	inch	mm		
3/8	9.5	0.015	0.40	30 / 50 / 100	SS304
1/2	12.7	0.015	0.40	30 / 50 / 100	SS304
5/8	16.0	0.015	0.40	30 / 50 / 100	SS304
3/4	19.0	0.015	0.40	30 / 50 / 100	SS304
3/8	9.5	0.020	0.50	30 / 50 / 100	SS304 / 316
1/2	12.7	0.020	0.50	30 / 50 / 100	SS304 / 316
5/8	16.0	0.020	0.50	30 / 50 / 100	SS304 / 316
3/4	19.0	0.020	0.50	30 / 50 / 100	SS304 / 316

Commonly Used Bands

Width		Thickness		Optional Length(m)	Optional Material
inch	mm	inch	mm		
3/8	9.5	0.028	0.70	30 / 50	SS201 / 304
1/2	12.7	0.028	0.70	30 / 50	SS201 / 304
5/8	16.0	0.028	0.70	30 / 50	SS201 / 304
3/4	19.0	0.028	0.70	30 / 50	SS201 / 304
1/2	12.7	0.030	0.76	30 / 50	SS201 / 304
5/8	16.0	0.030	0.76	30 / 50	SS201 / 304
3/4	19.0	0.030	0.76	30 / 50	SS201 / 304

Heavy Duty Bands

Width		Thickness		Optional Length(m)	Optional Material
inch	mm	inch	mm		
1/2	12.7	0.040	1.0	30	SS201 / 304
5/8	16.0	0.040	1.0	30	SS201 / 304
3/4	19.0	0.040	1.0	30	SS201 / 304
1	25.4	0.040	1.0	30	SS201 / 304
1-1/4	32.0	0.040	1.0	30	SS201 / 304

1. Description

PVC Coated Stainless Steel Banding combines the high strength and corrosion resistance of stainless steel strapping with the added protection and insulation of a durable Polyvinyl Chloride (PVC) coating. This fully coated banding is designed for applications requiring extra protection against abrasion, weathering, galvanic corrosion, and potentially needing electrical insulation. The smooth PVC layer prevents damage to bundled items, such as cable jackets or painted surfaces, while the underlying stainless steel core (available in various grades like 201, 304, or 316) ensures secure and long-lasting fastening. It is ideal for use in harsh environmental conditions, marine applications, electrical installations, and general bundling where protection of the strapped item is paramount. Application requires compatible stainless steel buckles/clips and appropriate tensioning tools.

2. Key Features

- **Enhanced Protection:** The tough PVC coating safeguards the underlying stainless steel from abrasion and mild chemical exposure, and protects bundled materials from scratches or cutting by the band edges.
- **Galvanic Corrosion Prevention:** Acts as an effective barrier when securing dissimilar metals, preventing electrochemical reactions.
- **Electrical Insulation Properties:** The PVC layer provides dielectric strength, making it suitable for certain electrical bundling applications (verify rating for specific needs).
- **Weather and UV Resistance:** High-quality PVC coating (often UV stabilized) offers excellent resistance to weathering and sunlight exposure for outdoor longevity.
- **High Core Strength:** Retains the inherent high tensile strength of the stainless steel core material.
- **Core Corrosion Resistance:** The underlying stainless steel grade (e.g., 304, 316) provides excellent resistance to atmospheric and chemical corrosion.
- **Improved Handling:** The smooth coating can provide a more comfortable handling experience compared to uncoated bands.
- **Color Options:** Typically available in black for UV stability, but other colors may be available for identification or coding purposes.
- **Versatility:** Suitable for securing cables, hoses, pipes, signs, and other components in demanding environments.

3. Technical Data

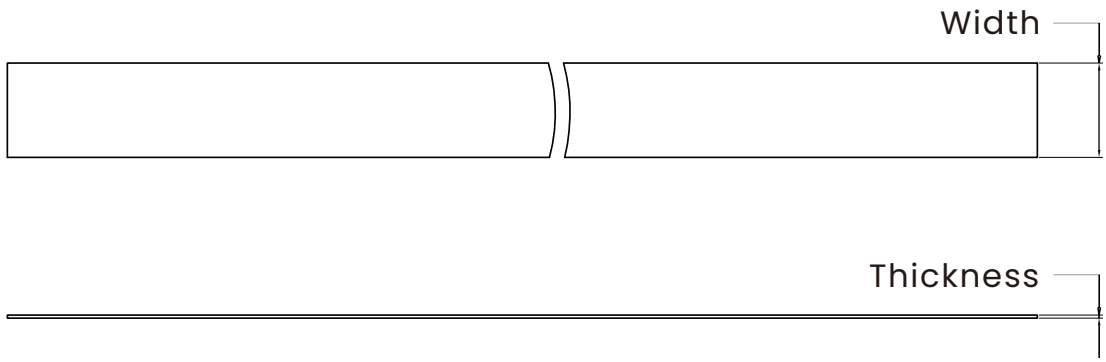
- **Core Material Grades:** Stainless Steel Grades typically SS201, SS304, SS316. Note: Select grade based on required corrosion resistance (SS316 for marine/chemical).
- **Coating Material:** Polyvinyl Chloride (PVC), UV-Resistant.
- **Core Tensile Strength:** Varies by core grade and dimensions. Typically 300 - 500 MPa (43,511 - 72,518 psi).
- **Available Core Widths:** Common core widths: 5/16" (8.0mm), 3/8" (10.0mm), 1/2" (12.0mm), 5/8" (16.0mm). Note: Overall width will be slightly larger due to coating.
- **Core Thickness:** Common core thicknesses: 0.010" (0.25mm) to 0.015" (0.40mm).
- **Total Thickness (Core + Coating):** Core thickness + Approx. 0.25mm - 0.4mm coating per side.
- **Standard Coil Length:** Typically 100 ft (30.5m) or 50m rolls.
- **Operating Temperature Range:** Typically limited by the PVC coating, e.g., approx. -40°C to +85°C / +90°C (-40°F to +185°F / +194°F). This is lower than bare stainless steel.
- **Coating Color:** Standard: Black or Grey.
- **Dielectric Strength:** Provide value if tested/applicable, e.g., Volts/mil or kV/mm. (Important if marketed for electrical insulation).
- **Compliance:** Core material may conform to ASTM A240/A666. Coating may meet RoHS or other

4. Associated Products

L Style Banding Clip (Page X)

Ratchete Banding Tool (Page 58)

8. Specifications



Width		Thickness		Optional Length(m)	Optional Material
inch	mm	inch	mm		
5/16	8.0	0.012	0.3	30 / 50 / 100	SS304 / 316
3/8	10.0	0.015	0.4	30 / 50 / 100	SS304 / 316
1/2	12.0	0.015	0.4	30 / 50 / 100	SS304 / 316
5/8	16.0	0.015	0.4	30 / 50 / 100	SS304 / 316
5/16	8.0	0.040	1.0	25 / 30	SS304 / 316
3/8	10.0	0.040	1.0	25 / 30	SS304 / 316
1/2	12.0	0.040	1.0	25 / 30	SS304 / 316
5/8	16.0	0.040	1.0	25 / 30	SS304 / 316

Please contact sales for more information about other sizes.

Youtube Video

1. Description

Adjustable Stainless Steel Band Clamps refer to clamping systems that utilize continuous stainless steel banding (typically supplied in rolls) combined with separate adjustable fastener mechanisms (such as worm-gear housings or T-bolt latches). This system allows users to create custom-diameter clamps on-site to suit specific application requirements. By cutting the desired length of banding and attaching the fastener, users can produce strong, reliable clamps for various securing, joining, and mounting tasks, particularly where standard pre-sized clamps are unsuitable.

2. Key Features

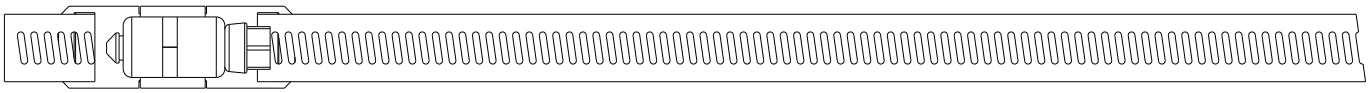
- **Custom Sizing:** Allows creation of clamps of virtually any diameter by cutting banding to the required length.
- **Adjustable Tension:** Fastener mechanisms (e.g., worm-gear screw) enable precise tensioning for a secure fit.
- **High Strength:** Stainless steel banding provides significant tensile strength for robust clamping.
- **Corrosion Resistance:** Components made from stainless steel offer excellent resistance to weathering, moisture, and chemicals (grade dependent).
- **Versatility:** Suitable for round, oval, or irregular shapes.
- **On-Site Assembly:** Enables creation of clamps as needed, reducing inventory of multiple pre-sized clamps.
- **Potential Reusability:** Depending on the fastener type and application, clamps may be loosened and retightened or potentially reused.
- **Multiple Fastener Options:** Available with different fastener types (e.g., worm-gear, T-bolt) to suit application needs.

Youtube Video

3. Technical Data

- **System Components:**
  - **Stainless Steel Banding:** Supplied in rolls.
    - Material: Typically Stainless Steel Type 201, Type 304 (SS304 / UNS S30400), or Type 316 (SS316 / UNS S31600).
    - Widths: 8.0mm, 12.7mm, 14.2mm.
    - Thickness: 0.6mm.
  - **Adjustable Clamps:** Separate mechanisms attached to the banding.
    - Type: Worm-Gear Housing
    - Housing Material: Stainless Steel 201, 304, 316.
    - Band Material: Stainless Steel 201, 304,316.
    - Screw Head: Typically Hexagonal (e.g., 5/16") or Slotted.
- **Clamp Diameter Range:** Virtually unlimited; determined by the length of banding cut.
- **Operating Temperature Range:** -80°C to +300°C.
- **Resistance:** Excellent resistance to corrosion (grade-dependent), UV radiation, and weathering.

4. Specifications



Code	Thickness	Quantity	Material
AK08B	Band - 8.0 X 0.6 MM	30 Meters	SS201/304
AK12B	Band - 12.7 X 0.6 MM	30 Meters	SS201/304
AK14B	Band - 14.2 X 0.6 MM	30 Meters	SS201/304
AK08H	Clamp - 8.0 MM	50 PCS	SS201/304
AK12H	Clamp - 12.7 MM	50 PCS	SS201/304
AK14H	Clamp - 14.2 MM	50 PCS	SS201/304

1. Description

Adjustable Quick Lock Band Clamps provide a versatile and rapid clamping solution using continuous stainless steel banding combined with separate quick-release/quick-lock fastener mechanisms (typically lever-action or over-center latches). This system allows users to create custom-diameter clamps on-site that can be quickly opened and closed without tools once initially installed. Ideal for applications requiring frequent access, temporary installations, or rapid assembly/disassembly, these clamps offer good strength and the inherent durability of stainless steel.

2. Key Features

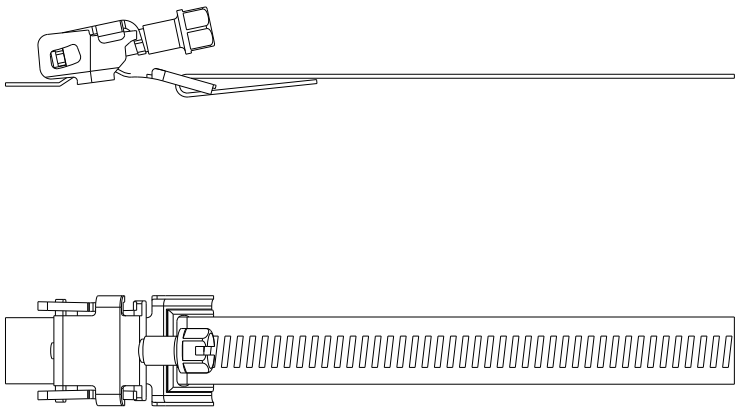
- **Custom Sizing:** Enables creation of clamps for specific diameters by cutting banding to length.
- **Quick Release/Locking:** Lever-action or over-center latch mechanism allows for fast opening and closing without tools after initial setup.
- **Adjustable Tension:** Initial tension can often be fine-tuned via threaded components within the latch mechanism.
- **Stainless Steel Construction:** Banding and latch components typically made from stainless steel for durability and corrosion resistance.
- **Reusable:** Designed for repeated opening and closing cycles.
- **On-Site Assembly:** Allows creation of clamps as needed, suitable for custom fitting.
- **Tool-Free Operation (Post-Installation):** Ideal for applications requiring quick access or frequent adjustments.

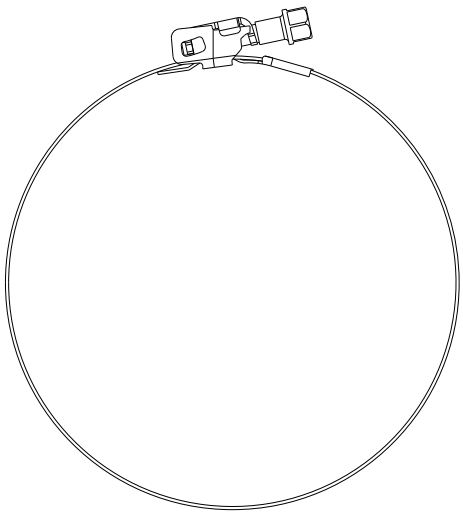
Youtube Video

3. Technical Data

- **System Components:**
  - **Stainless Steel Banding:** Supplied in rolls.
    - Material: Typically Stainless Steel Type 201, Type 304 (SS304 / UNS S30400).
    - Widths: 9.0mm, 12.0mm.
    - Thickness: 0.6mm.
  - **Quick Lock Fastener Mechanisms:** Separate latch units.
    - Type: Over-center Lever Latch, Draw Latch, or similar quick-release mechanism. Include a threaded component (e.g., hook bolt, eye bolt) for tension adjustment.
    - Material: Stainless Steel (e.g., 304). Include non-metallic components on handle/lever.
    - Adjustment Feature: Often includes a threaded hook or eye for fine-tuning tension.
- **Clamp Diameter Range:** Virtually unlimited; determined by the length of banding cut.
- **Holding Strength:** 350~500MPa.
- **Operating Temperature Range:** -80°C to +300°C.
- **Resistance:** Good resistance to corrosion (grade-dependent), UV radiation, and weathering.

4. Specifications





Code	Thickness	Quantity	Material
GK09B	Band - 9.0 X 0.6 MM	30 Meters	SS430/304
GK12B	Band - 12.0 X 0.6 MM	30 Meters	SS430/304
GK09H	Clamp - 9.0 MM	50 PCS	SS430/304
GK12H	Clamp - 12.0 MM	50 PCS	SS430/304

1. Description

Ear-Lokt Stainless Steel Banding Buckles are robust fastening components designed for use with stainless steel banding to create secure, durable, and vibration-resistant clamps. They feature a unique "ear" mechanism that is crimped or "locked" over the tensioned banding using a specialized installation tool. This locking method provides a strong, permanent mechanical connection suitable for demanding applications across various industries, including industrial, marine, utilities, oil & gas, and construction. These buckles are specifically designed to be used with stainless steel banding of corresponding widths.

2. Key Features

- **High Strength:** Creates a strong, reliable clamp with high loop tensile strength when used with compatible stainless steel banding.
- **Durable Construction:** Manufactured from high-quality stainless steel for longevity and resistance to mechanical stress.
- **Corrosion Resistance:** Offers excellent resistance to atmospheric corrosion, chemicals, and weathering. Specific resistance depends on the stainless steel grade (e.g., Type 201 or Type 304).
- **Secure Locking:** The Ear-Lokt mechanism provides a positive, vibration-proof lock when properly formed with the correct installation tool.
- **Permanent Fastening:** Designed for creating permanent or semi-permanent clamps and attachments.
- **Versatility:** Suitable for securing hoses, bundling cables, mounting signs and hardware, attaching insulation, and general fastening applications.
- **Ease of Installation:** Can be installed efficiently using standard stainless steel banding tensioning and locking tools.

Stainless Steel Banding (Page 3)

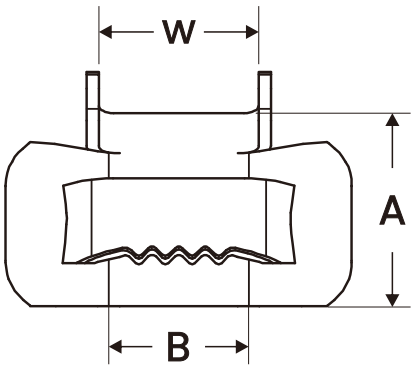
Banding Tool - LYBT001 (Page 58)

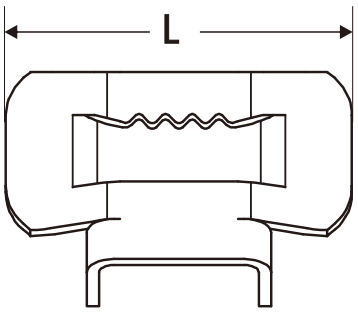
Ratchet Banding Tool (Page 58)

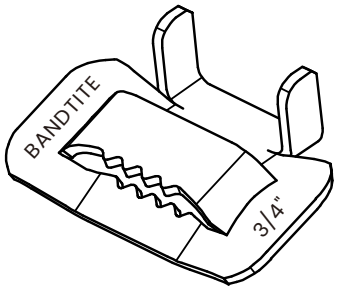
3. Technical Data

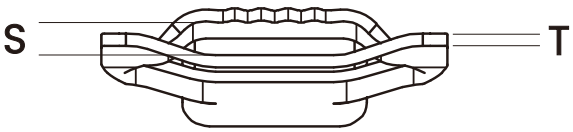
- **Product Type:** Banding Buckle (Ear-Lokt style).
- **Material:** Stainless Steel.
  - Typically available in Type 201 & 304 SS (Standard grade offering good strength and general corrosion resistance).
  - Also available in Type 316 SS (Premium grade offering superior corrosion resistance, especially suited for marine environments, coastal areas, and exposure to certain chemicals).
  - Always verify the material grade for the specific part number being ordered.
- **Available Widths:**
  - Designed to match standard stainless steel banding widths: 1/4" (6.4 mm)3/8" (9.5 mm)1/2" (12.7 mm), 5/8" (16.0 mm)3/4" (19.0 mm)
  - The buckle width must correspond exactly to the width of the stainless steel banding being used.
- **Compatibility:**
  - Intended for use with stainless steel banding (e.g., Type 201, 304, or other compatible grades) of the corresponding width.
  - Consult manufacturer guidelines for specific recommended band types and thicknesses.
- **Installation Requirements:** Requires specialized banding tools:
  - A banding tool for tensioning the stainless steel band (e.g., LYBT001).A locking tool or an adapter tool used with a hammer to correctly form and crimp the buckle's ear.
- **Band Configuration:**
  - Suitable for both single-wrap and double-wrap banding configurations through the buckle.
  - Double-wrapping is frequently recommended by manufacturers to achieve maximum clamp strength and holding force.
- **Strength Characteristics:**
  - Provides high holding strength and contributes significantly to the overall loop tensile strength of the band assembly.
  - Actual strength values depend on the buckle size, material grade, banding used, and whether a single or double wrap is employed. Refer to specific manufacturer data for minimum loop tensile strength ratings.
- **Temperature Range:** Suitable for use across a wide temperature spectrum inherent to stainless steel. Application limits are more typically defined by the banding material or the clamped object's constraints.
- **Packaging:** Commonly packaged in cardboard boxes.
  Note: Standard packaging quantity is often 100 buckles per box, but this should be verified with the supplier.

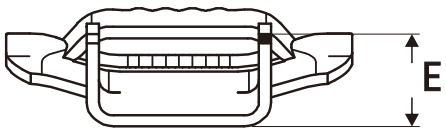
4. Specifications











Width		Dimensions(mm)							Pack Quantity
inch	mm	A	B	W	L	S	T	E	
3/8	9.5	16.0	9.5	10.5	23.8	2.9	1.0	7.4	100
1/2	12.7	24.0	12.7	14.0	32.7	4.0	1.2	9.6	100
5/8	16.0	24.0	16.0	17.0	37.7	4.0	1.2	11.0	100
3/4	19.0	25.0	19.0	20.0	42.7	4.3	1.5	12.0	100
3/8	9.5	16.0	9.5	10.5	23.8	2.9	1.2	7.4	100
1/2	12.7	24.0	12.7	14.0	32.7	4.0	1.5	9.6	100
5/8	16.0	24.0	16.0	17.0	37.7	4.0	1.5	11.0	100
3/4	19.0	25.0	19.0	20.0	42.7	4.3	1.8	12.0	100
1	25.4	33.0	25.4	27.0	54.6	5.5	2.3	15.6	50
1-1/4	32.0	41.5	32.0	34.0	66.5	7.2	2.3	19.0	50

The above measurement data may have errors. All is subject to the actual situation.

1. Description

Stainless Steel Banding Clips, commonly known as Wing Seals or Wing Clips, are essential components used to secure the ends of stainless steel banding after tensioning. These clips provide a strong, permanent mechanical lock by utilizing protruding "wings" or "ears" that are hammered down over the overlapped banding. Manufactured from various grades of stainless steel, they offer durability and corrosion resistance suitable for diverse environmental conditions. Wing seals are designed for use with standard stainless steel banding and manual banding tools.

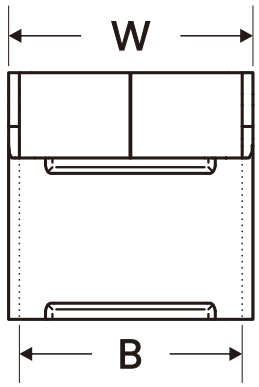
2. Key Features

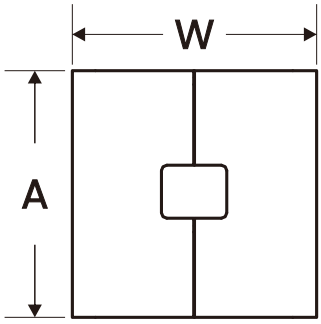
- **Secure Fastening:** Creates a strong, reliable, and permanent lock on tensioned stainless steel bands.
- **Simple Mechanical Lock:** Utilizes a proven method of hammered wing tabs for secure crimping.
- **Durable Construction:** Made from stainless steel for excellent resistance to corrosion, UV exposure, and temperature fluctuations.
- **Cost-Effective Solution:** An economical choice for securing stainless steel banding compared to more complex buckle systems.
- **Ease of Use:** Designed for straightforward application with standard banding tensioning tools and a hammer.
- **Versatility:** Available for various standard banding widths.

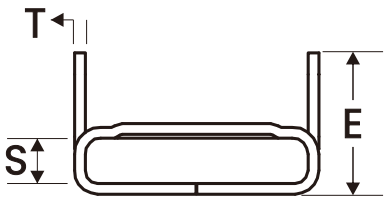
3. Technical Data

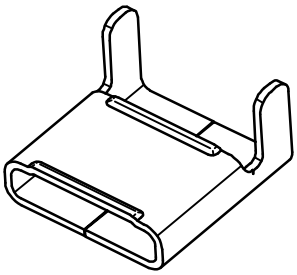
- **Material:**
  - **Standard:** Stainless Steel Type 201 - General purpose, good strength, moderate corrosion resistance.
  - **Improved Resistance:** Stainless Steel Type 304 - Excellent corrosion resistance for general industrial and outdoor use.
  - **High Corrosion Resistance:** Stainless Steel Type 316 - Superior corrosion resistance, ideal for marine, coastal, and chemical environments.
- **Clip/Seal Type:** Wing Seal / Wing Clip.
- **Compatible Band Widths:** 1/4" (6.4mm), 3/8" (9.5mm), 1/2" (12.7mm), 5/8" (16.0mm), 3/4" (19.0mm), 1"(25.4mm), 1-1/4"(32.0mm).
- **Compatible Band Thickness:** 0.015"(0.40mm to 0.028" (0.70mm).
- **Operating Temperature Range:** -80°C to +538°C (-112°F to +1000°F).
- **Resistance:** Excellent resistance to corrosion (grade-dependent), UV radiation, and weathering.

4. Specifications









Width		Dimensions(mm)						Pack Quantity
inch	mm	W	B	A	S	T	E	
3/8	9.5	12.2	10.6	14.0	4.2	0.7	9.5	100
1/2	12.7	15.9	14.0	18.0	3.7	0.8	10.9	100
5/8	16.0	18.9	16.8	20.0	3.9	0.8	12.3	100
3/4	19.0	22.7	20.6	23.0	4.3	1.0	13.4	100
1	25.4	28.9	26.5	25.0	4.7	1.2	17.0	50
1-1/4	32.0	37.1	34.2	30.8	5.1	1.5	20.6	50

The above measurement data may have errors. All is subject to the actual situation.

Stainless Steel Banding (Page 3)

Banding Tool - LYBT001 (Page 58)

Ratchet Banding Tool (Page 58)

1. Description

Stainless Steel Banding Clips, commonly known as Wing Seals or Wing Clips, are essential components used to secure the ends of stainless steel banding after tensioning. These clips provide a strong, permanent mechanical lock by utilizing protruding "wings" or "ears" that are hammered down over the overlapped banding. Manufactured from various grades of stainless steel, they offer durability and corrosion resistance suitable for diverse environmental conditions. Wing seals are designed for use with standard stainless steel banding and manual banding tools.

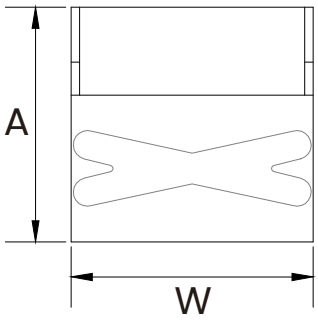
2. Key Features

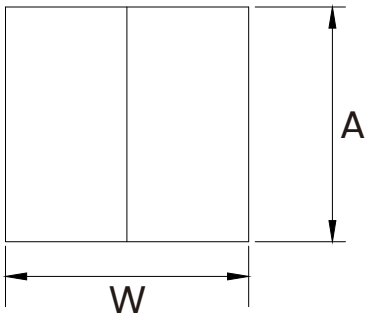
- **Secure Fastening:** Creates a strong, reliable, and permanent lock on tensioned stainless steel bands.
- **Simple Mechanical Lock:** Utilizes a proven method of hammered wing tabs for secure crimping.
- Durable Construction: Made from stainless steel for excellent resistance to corrosion, UV exposure, and temperature fluctuations.
- **Cost-Effective Solution:** An economical choice for securing stainless steel banding compared to more complex buckle systems.
- **Ease of Use:** Designed for straightforward application with standard banding tensioning tools and a hammer.
- **Versatility:** Available for various standard banding widths.

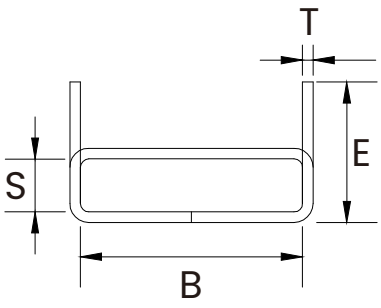
3. Technical Data

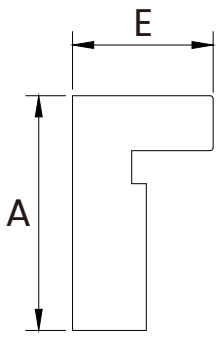
- **Material:**
  - **Standard:** Stainless Steel Type 201.
  - **Improved Resistance:** Stainless Steel Type 304.
  - **High Corrosion Resistance:** Stainless Steel Type 316 - Superior corrosion resistance, ideal for marine, coastal, and chemical environments.
- **Clip/Seal Type:** Wing Seal / Wing Clip.
- **Compatible Band Widths:** 3/8" (9.5mm), 1/2" (12.7mm), 5/8" (15.9mm), 3/4" (19.1mm).
- **Compatible Band Thickness:** 0.015"(0.38mm) to 0.028" (0.70mm).
- **Operating Temperature Range:** -80°C to +538°C (-112°F to +1000°F).
- **Resistance:** Excellent resistance to corrosion (grade-dependent), UV radiation, and weathering.

4. Specifications









Width		Dimensions(mm)						Pack Quantity
inch	mm	W	B	A	S	T	E	
3/8	9.5	12.2	10.6	14.0	3.0	0.7	9.5	100
1/2	12.7	16.0	14.5	22.0	3.7	0.8	10.0	100
5/8	16.0	19.0	17.5	22.0	3.7	0.8	10.6	100
3/4	19.0	23.2	21.0	22.0	3.7	1.0	13.4	100

The above measurement data may have errors. All is subject to the actual situation.

Stainless Steel Banding (Page 3)

Banding Tool - LYBT001 (Page 58)

Ratchet Banding Tool (Page 58)

1. Description

Scru-lokt Stainless Steel Banding Buckles are robust fastening components designed for use with stainless steel banding to create high-strength, adjustable clamps. Featuring an integrated screw (worm-gear) mechanism, these buckles allow for precise tensioning using simple hand tools like a screwdriver or hex wrench. Constructed from durable stainless steel, Scru-lokt buckles provide excellent resistance to corrosion, weathering, and vibration, making them ideal for securing items in demanding industrial, marine, and outdoor environments.

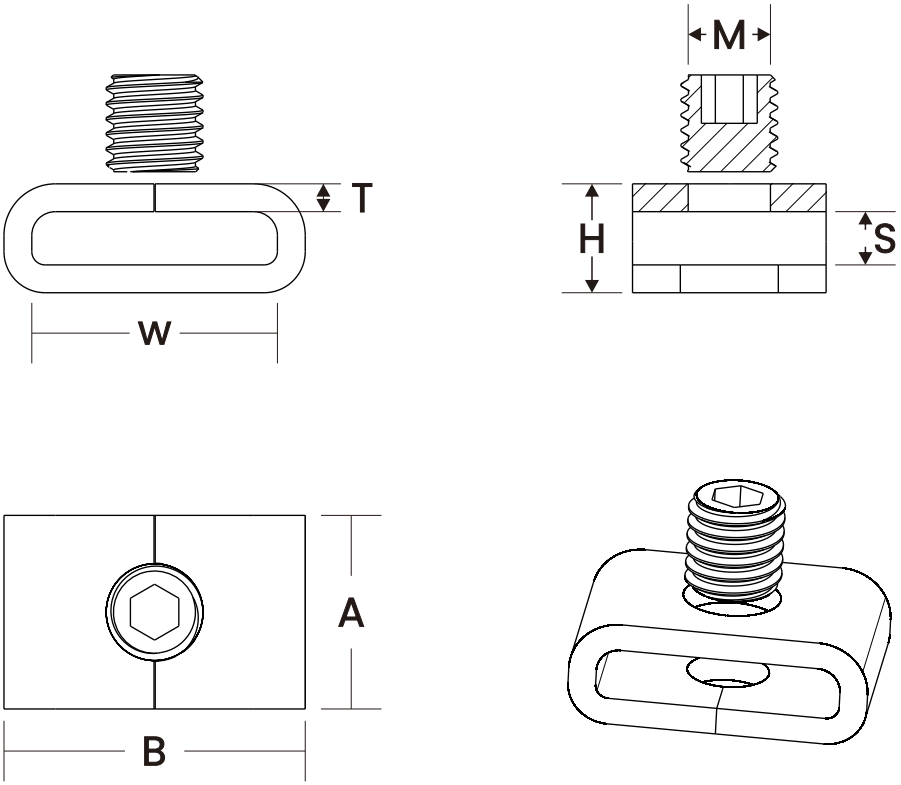
2. Key Features

- **High Clamping Force:** Screw mechanism allows for significantly higher tension compared to standard clip/buckle styles.
- **Screw Tensioning:** Enables controlled and precise tension application using common tools (e.g., hex wrench, screwdriver).
- **Vibration Resistant:** The screw lock design maintains tension effectively even under vibration.
- **Stainless Steel Construction:** Offers excellent durability and resistance to corrosion, chemicals, UV, and extreme temperatures. Available in various grades for different environmental needs.
- **Adjustable & Potentially Reusable:** Allows for tension adjustments and, in many cases, can be loosened and reused (depending on application and condition).
- **Easy Installation:** Simple to apply tension with various banding tools.
- **Versatile:** Suitable for various banding widths.

3. Technical Data

- **Material:**
  - **Buckle Body:** Typically Stainless Steel Type 304 & 316. Type 304 provides general corrosion resistance, Type 316 offers superior corrosion resistance for marine/chemical environments.
  - **Screw Component:** Stainless Steel Type 304
- **Buckle Type:** Screw Lock Buckle.
- **Compatible Band Widths:** 3/8" (9.5mm), 1/2" (12.7mm), 5/8" (15.9mm), 3/4" (19.1mm).
- **Compatible Band Thickness:** 0.015"(0.38mm) to 0.030" (0.76mm).
- **Tensioning Screw Type:** Typically 5/16"(8mm) Hex Head.
- **Operating Temperature Range:** -80°C to +538°C (-112°F to +1000°F)
- **Resistance:** Excellent resistance to corrosion (grade-dependent), UV radiation, vibration, and weathering.

4. Specifications



Width		Dimensions(mm)							Pack Quantity
inch	mm	A	B	H	S	W	T	M	
3/8	9.5	11.2	14.2	6.8	3.2	10.5	1.8	6.0	100
1/2	12.7	15.0	17.8	7.1	3.5	14.0	1.8	8.0	100
5/8	16.0	16.0	21.4	8.7	4.2	17.0	2.3	8.0	50
3/4	19.0	16.0	25.0	9.0	4.2	20.0	2.3	8.0	50

The above measurement data may have errors. All is subject to the actual situation.

Stainless Steel Banding (Page 3)

Banding Tool - LYBT001 (Page 58)

Ratchet Banding Tool (Page 58)

1. Description

Ratchet Lock Stainless Steel Banding Buckles are high-performance fastening components designed for use with stainless steel banding to create extremely secure and vibration-resistant clamps. These buckles feature an integrated ratchet mechanism that engages directly with the banding, allowing for high tension application and providing a non-slip, self-locking grip once tensioned. Constructed from durable stainless steel, they are ideal for heavy-duty applications in demanding environments requiring superior strength and long-term reliability.

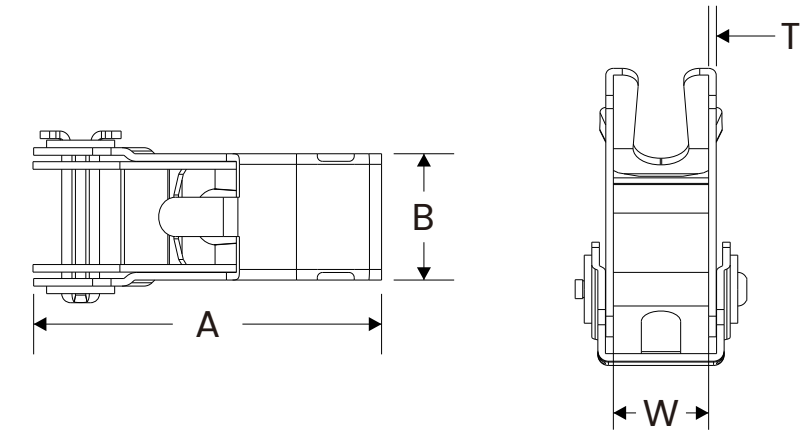
2. Key Features

- **High Strength & Secure Lock:** Provides exceptional clamping force and a positive, permanent lock via the integrated ratchet mechanism.
- **Ratchet Tensioning:** Allows for high tension to be applied using compatible banding tools, ensuring a tight fit.
- **Vibration Resistance:** The ratchet design prevents loosening even under significant vibration or load cycling.
- **Stainless Steel Construction:** Offers excellent durability and resistance to corrosion, chemicals, UV, and extreme temperatures. Available in various grades for specific environmental needs.
- **Permanent Installation:** Designed for non-releasable, long-term fastening applications.
- **Heavy-Duty Performance:** Suitable for securing heavy bundles, large diameter hoses, and applications requiring maximum holding power.

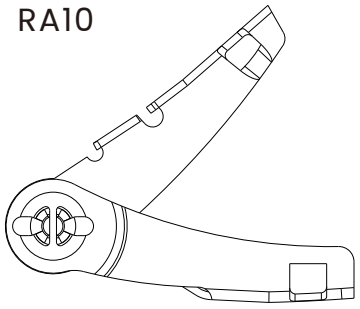
3. Technical Data

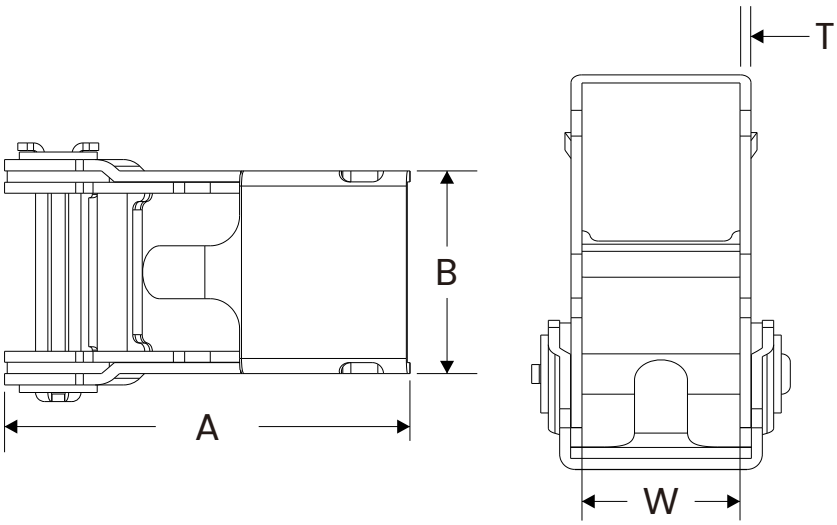
- **Material:**
  - Buckle Body & Ratchet Mechanism: Typically Stainless Steel Type 201, 304, 316.
  - Note: Grade selection depends on required strength and corrosion resistance (Type 316 for marine/chemical environments).
- **Buckle Type:** Integrated Ratchet Lock Buckle.
- **Compatible Band Widths:** 3/8" (10.0mm), 5/8" (15.0mm), 3/4" (19.0mm).
- **Compatible Band Thickness:** 0.010" to 0.015" / 0.25mm to 0.40mm.
- **Locking Mechanism:** Internal ratchet teeth/pawl engaging directly with the banding strap.
- **Operating Temperature Range:** Typically -80°C to +538°C (-112°F to +1000°F).
- **Resistance:** Excellent resistance to corrosion (grade-dependent), UV radiation, vibration, abrasion, and weathering.

4. Specifications

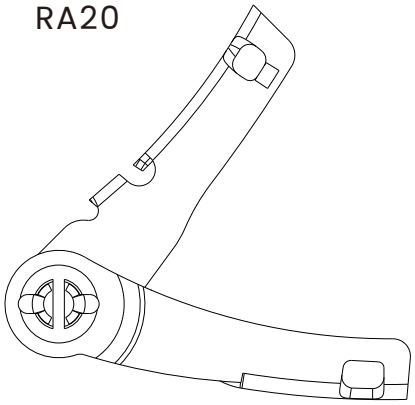


RA10





RA20



Code	For Band Width		Dimensions(mm)				Pack Quantity
	inch		A	B	W	T	
RA10	3/8	9.5	47.0	16.8	11.4	1.0	50
RA20	3/4	19.0	54.0	26.8	20.2	1.5	50

The above measurement data may have errors. All is subject to the actual situation.

Youtube Video

1. Description

Ratchet Lock Stainless Steel Banding Buckles are high-performance fastening components designed for use with stainless steel banding to create extremely secure and vibration-resistant clamps. These buckles feature an integrated ratchet mechanism that engages directly with the banding, allowing for high tension application and providing a non-slip, self-locking grip once tensioned. Constructed from durable stainless steel, they are ideal for heavy-duty applications in demanding environments requiring superior strength and long-term reliability.

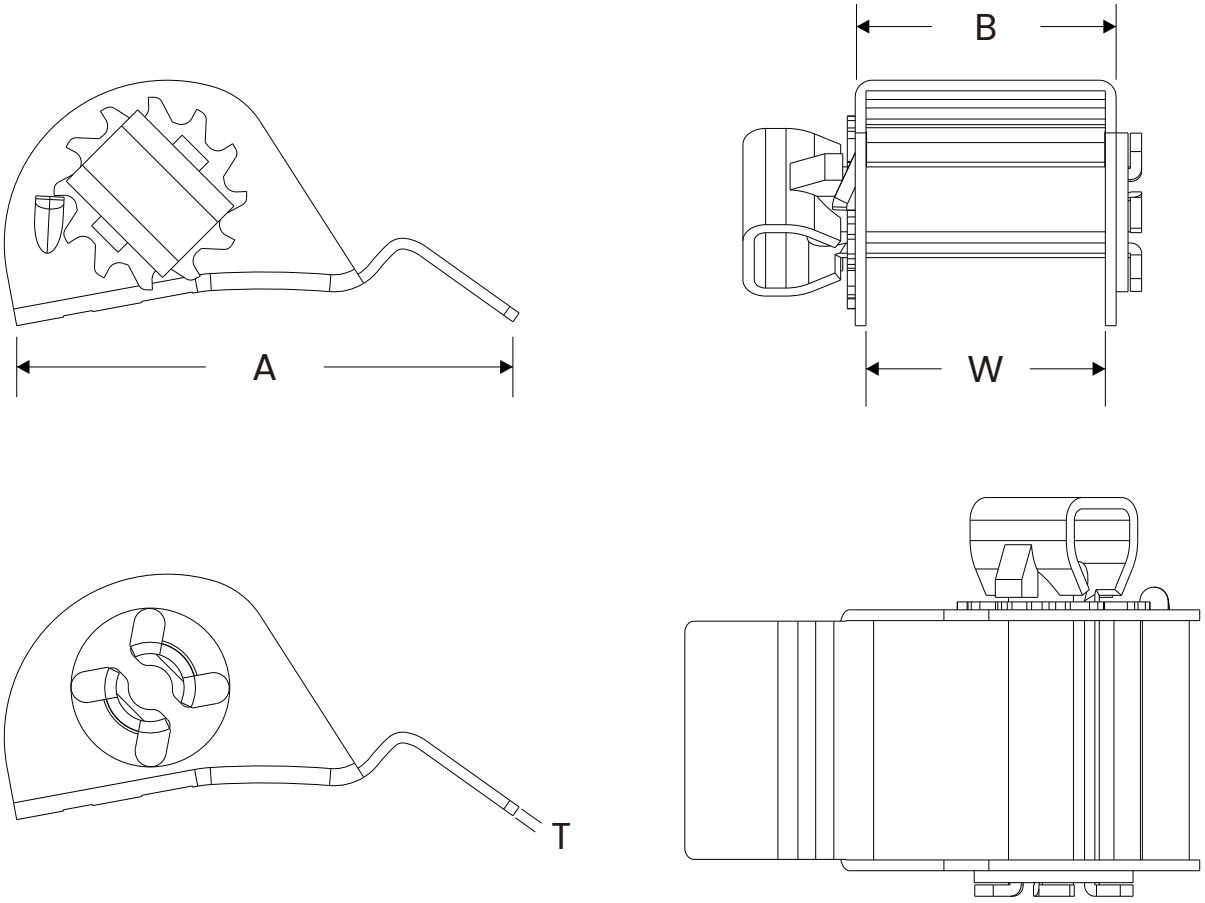
2. Key Features

- **High Strength & Secure Lock:** Provides exceptional clamping force and a positive, permanent lock via the integrated ratchet mechanism.
- **Ratchet Tensioning:** Allows for high tension to be applied using compatible banding tools, ensuring a tight fit.
- **Vibration Resistance:** The ratchet design prevents loosening even under significant vibration or load cycling.
- **Stainless Steel Construction:** Offers excellent durability and resistance to corrosion, chemicals, UV, and extreme temperatures. Available in various grades for specific environmental needs.
- **Permanent Installation:** Designed for non-releasable, long-term fastening applications.
- **Heavy-Duty Performance:** Suitable for securing heavy bundles, large diameter hoses, and applications requiring maximum holding power.

3. Technical Data

- **Material:**
  - Buckle Body & Ratchet Mechanism: Typically Stainless Steel Type 201, 304, 316.
  - Note: Grade selection depends on required strength and corrosion resistance (Type 316 for marine/chemical environments).
- **Buckle Type:** Integrated Ratchet Lock Buckle.
- **Compatible Band Widths:** 3/8" (10.0mm), 5/8" (15.0mm), 3/4" (19.0mm).
- **Compatible Band Thickness:** 0.010" to 0.020" / 0.25mm to 0.50mm.
- **Locking Mechanism:** Internal ratchet teeth/pawl engaging directly with the banding strap.
- **Operating Temperature Range:** Typically -80°C to +538°C (-112°F to +1000°F).
- **Resistance:** Excellent resistance to corrosion (grade-dependent), UV radiation, vibration, abrasion, and weathering.

4. Specifications



Code	For Band Width		Dimensions(mm)				Pack Quantity
	inch	mm	A	B	W	T	
RB10	3/8	9.5	45.0	14.6	12.5	0.8	50
RB20	3/4	19.0	45.0	22.8	20.5	0.9	50

The above measurement data may have errors. All is subject to the actual situation.

Youtube Video

1. Description

Stainless Steel Strapping Seals of the overlap type are designed for securing the ends of stainless steel strapping using manual or pneumatic sealing tools that apply a crimp or notch joint. These seals are placed over the overlapping ends of tensioned strapping, and the sealing tool creates indentations (notches) that mechanically lock the seal onto the strapping, providing a secure joint. Made from stainless steel, they offer good strength and corrosion resistance for reliable performance in various packaging and bundling applications. Some variations are designed to be stacked ('Nestack') for easier handling and loading into tools.

2. Key Features

- **Secure Crimp Joint:** Creates a strong mechanical lock via single or double notches applied by a sealing tool.
- **Compatibility:** Designed for use with standard manual or pneumatic tensioners and sealers (crimpers) or combination strapping tools.
- **Stainless Steel Construction:** Provides good durability and resistance to corrosion, suitable for various environmental conditions (grade dependent).
- **Economical & Efficient:** Offers a reliable and widely used method for securing stainless steel strapping in packaging and general industrial applications.
- **Stackable Options:** Nestack versions are available, allowing seals to interlock for easier magazine loading in some tools and reduced handling time.
- **Versatile:** Available for common strapping widths and gauges.

3. Technical Data

- **Material:** Stainless Steel Type 201, 304
- **Seal Type:** Overlap Seal / Crimp Seal / Notch Seal.
- **Joint Type Formed:** Notch Joint.
- **Compatible Strap Widths:** 3/8" (9.5mm), 1/2" (12.7mm), 5/8" (15.9mm), 3/4" (19.1mm), 1"(25.4mm), 1-1/4"(32.0mm).
- **Compatible Strap Gauges/Thicknesses:** 0.015" (0.40mm) to 0.030" (0.76mm).
- **Finish:** Typically Bright or standard mill finish.
- **Operating Temperature Range:** -80°C to +300°C (-112°F to +572°F).
- **Resistance:** Good resistance to weathering and UV. Corrosion resistance is moderate (Type 201) or good (Type 304).

4. Specifications

Closed Type

Semi Open Type

Open Type

Code	Width		Length (mm)	Thickness (mm)	Pack Quantity
	inch	mm			
SC10	3/8	9.5	25/32/40	0.5/0.7/1.0	5000
SC13	1/2	12.7	25/32/40	0.5/0.7/1.0	5000
SC16	5/8	16.0	25/32/40	0.5/0.7/1.0	3000
SC19	3/4	19.0	25/32/40	0.5/0.7/1.0	3000
SC25	1	25.0	25/32/40	0.5/0.7/1.0	2000
SC32	1-1/4	32.0	25/32/40	0.5/0.7/1.0	2000

The above measurement data may have errors. All is subject to the actual situation.

1. Description

Universal Channel Clamps are heavy-duty mounting brackets designed for securing various fixtures, such as signs, enclosures, and equipment, to poles and other vertical structures of different shapes and sizes. These clamps utilize stainless steel banding (sold separately) to attach firmly to the structure, eliminating the need for drilling. The clamp features a robust channel body with slots for the banding and an integrated bolt or threaded stud for attaching the desired fixture.

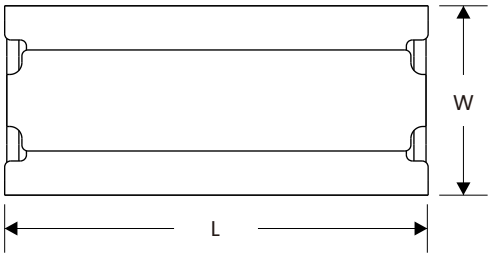
2. Key Features

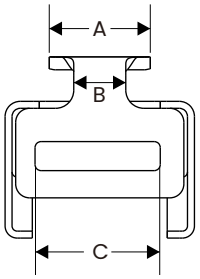
- **Heavy-Duty Mounting:** Provides a strong and stable platform for mounting fixtures onto poles or similar structures.
- **Drill-Free Installation:** Attaches securely using stainless steel banding, avoiding damage to the pole's structural integrity or surface coating.
- **Versatile Application:** Suitable for round, square, or irregular shaped poles; adaptability primarily depends on the length of banding used.
- **Utilizes Standard Banding:** Designed to work with commonly available stainless steel banding and associated clips or buckles.
- **Standardized Fixture Attachment:** Incorporates a standard-sized bolt/stud (e.g., 1/2" or 5/8") allowing for easy mounting of various fixtures.
- **Durable Construction:** Typically manufactured from corrosion-resistant materials like high-strength aluminum or stainless steel.

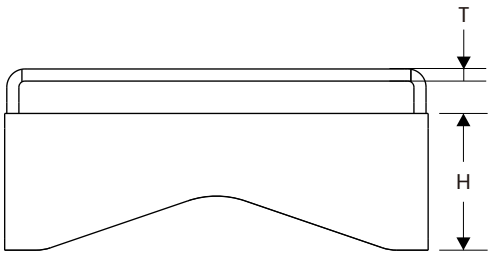
3. Technical Data

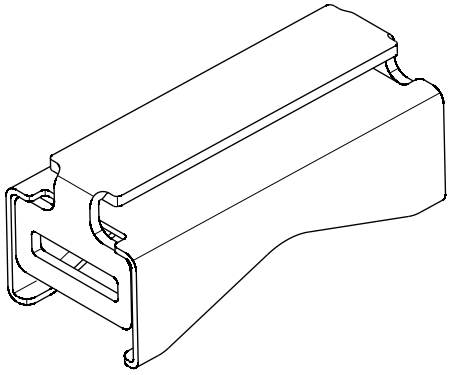
- **Material Grade:** Typically Stainless Steel 201 or 304
- **Channel Compatibility:** Fits various sizes of strut channels
- **Pipe/Tube Diameter Range:** No limits
- **Maximum Load Capacity:** Dependent on clamp size and stainless steel banding size
- **Operating Temperature Range:** -50°C to +250°C (approximate, may vary slightly)
- **Corrosion Resistance:** Excellent resistance to atmospheric corrosion, many chemicals, and saltwater (superior with Ss316)
- **Fastening Method:** Typically secured with stainless steel banding straps
- **Material Thickness:** Varies by clamp size and load rating

4. Specifications

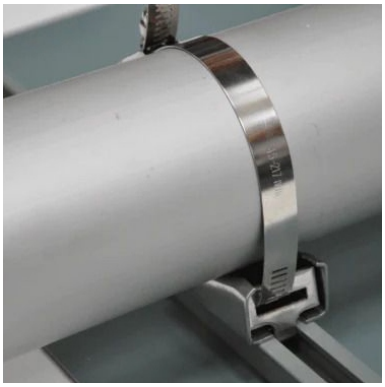




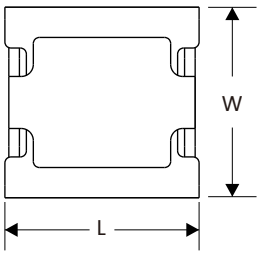


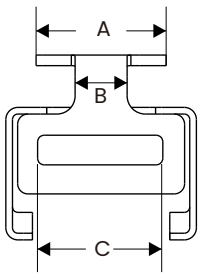


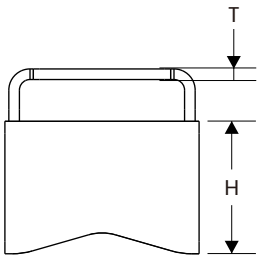
Code	Dimensions(mm)							Material
	L	W	H	T	A	B	C	
UCC7013	70	31.5	23	1.8	13	7.6	20.8	SS201/304
UCC7017	70	31.5	23	1.8	17	8.5	20.8	SS201/304
UCC7019	70	31.5	23	1.8	19	9.5	20.8	SS201/304
UCC7022	70	31.5	23	1.8	22	12.5	20.8	SS201/304
UCC7025	70	31.5	23	1.8	25	12.5	20.8	SS201/304
UCC7030	70	31.5	23	1.8	30	12.5	20.8	SS201/304

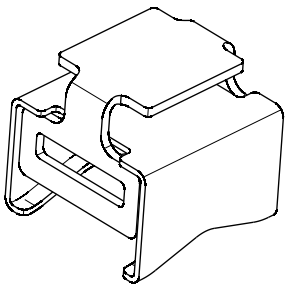


5. Specifications









Code	Dimensions(mm)							Material
	L	W	H	T	A	B	C	
UCC3013	30	31.5	23	1.8	13	7.6	20.8	SS201/304
UCC3017	30	31.5	23	1.8	17	8.5	20.8	SS201/304
UCC3019	30	31.5	23	1.8	19	9.5	20.8	SS201/304
UCC3022	30	31.5	23	1.8	22	12.5	20.8	SS201/304
UCC3025	30	31.5	23	1.8	25	12.5	20.8	SS201/304
UCC3030	30	31.5	23	1.8	30	12.5	20.8	SS201/304

Stainless Steel Banding (Page 3)

Banding Buckles (Page 8)

Banding Tool - LYBT001 (Page 58)

1. Description

Ball Lock Stainless Steel Cable Ties are high-performance fastening solutions designed for reliable and durable bundling and securing of cables, hoses, pipes, and other components in demanding environments. Featuring a robust self-locking mechanism utilising an internal ball bearing, these ties provide excellent tensile strength and resistance to environmental factors. Manufactured from high-quality stainless steel, they offer superior resistance to corrosion, chemicals, UV radiation, temperature extremes, and fire, making them ideal for indoor, outdoor, and harsh industrial applications. Available in various sizes, materials (Grade 304 and 316), and optional coatings to suit specific requirements.

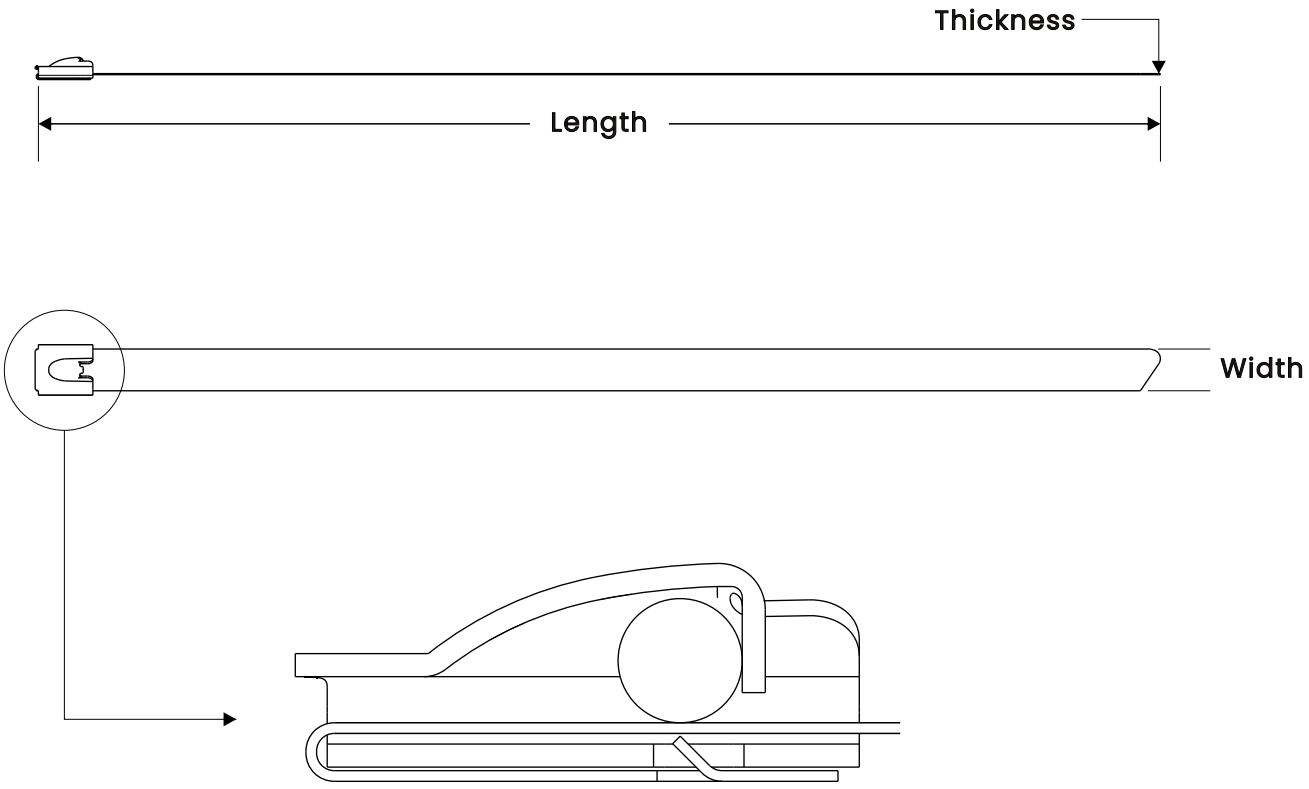
2. Key Features

- **Self-Locking Mechanism:** Internal ball bearing lock ensures a strong, secure, and vibration-resistant fastening that installs quickly and easily.
- **High Tensile Strength:** Provides reliable bundling for heavy-duty applications.
- **Excellent Durability:** Resistant to abrasion and mechanical stress.
- **Corrosion:** Highly resistant to rust and corrosion (especially Grade 316 in marine/chemical environments).
- **Temperature:** Suitable for a wide range of operating temperatures, from cryogenic to very high heat.
- **UV Radiation:** Unaffected by prolonged sun exposure.
- **Chemicals:** Resistant to a broad range of chemicals, oils, and solvents.
- **Fire:** Non-flammable base material.
- **Material Options:** Available in Stainless Steel Grade 304 (general purpose) and Grade 316 (enhanced corrosion resistance).
- **Coating Options:** Available un-coated or with Polyester/Nylon/PPA coating for added protection against galvanic corrosion, chemical resistance, edge protection, and/or colour coding.
- **Smooth Edges:** Rounded edges for safer handling and reduced risk of damage to cable insulation (especially important for coated versions).
- **Variety of Sizes:** Wide range of lengths and widths available to accommodate different bundle diameters and strength requirements.

3. Technical Data

- **Material:** Stainless Steel Grade 304 or 316 .
- **Operating Temperature :** -80°C to +538°C (-112°F to +1000°F).
- **Tensile Strength (Loop):** Varies by Width, 4.6mm Width: 800 N (180 lbs); 7.9mm Width: 1200 N (270 lbs), 10.0mm Width: 1500 N (330 lbs), 12.0mm Width: 1800 N (400 lbs), 16.0mm Width: 2400 N (528 lbs), 19.0mm Width: 3000 N (660 lbs)
- **Available Widths:** 4.6mm (0.18"), 7.9mm (0.31"), 10.0mm (0.39"), 12.0mm (0.47"), 16.0mm (0.63"), 19.0mm (0.75")
- **Available Lengths:** 100 mm to 3000 mm (4" to 118").
- **Max. Bundle Diameter:** Varies by Length.
- **Flammability:** Non-Flammable (Base Metal).
- **UV Resistance:** Excellent (Uncoated and Coated versions).
- **Chemical Resistance:** Excellent (Base Metal). Grade 316 offers superior resistance.
- **Certifications/Approvals:** CE, RoHS.

4. Specifications



Width		Thickness		Length (mm)	Optional Material
inch	mm	inch	mm		
0.18	4.6	0.010	0.25	100 ~2000	SS304 / 316
0.31	7.9	0.010	0.25	150 ~2000	SS304 / 316
0.39	10.0	0.010	0.25	250 ~2000	SS304 / 316
0.50	12.0	0.012	0.30	200 ~2000	SS304 / 316
0.63	16.0	0.015	0.40	300 ~3000	SS304 / 316
0.75	19.0	0.020	0.50	500 ~3000	SS304 / 316

Note: Any lengths from 150 to 3000mm are available for custom.
The Max Bundle Diameter = (Length-30mm)/3.14.

5. Cable Tie Tools

Width(mm)	Associated Tools
4.6	LYCT01 & 02
7.9	LYCT01 & 02
10.0	LYCT02
12.0	LYCT02
16.0	LYBT002 & 004
19.0	LYBT002 & 004

LYCT01

LYCT02

LYBT002

1. Description

PVC Coated Ball Lock Stainless Steel Cable Ties provide a highly secure and durable bundling solution, combining the inherent strength and corrosion resistance of stainless steel with the protective and insulating properties of a PVC coating and the reliable fastening of a ball lock mechanism. This combination makes them ideal for a wide array of demanding applications where resistance to harsh environments, vibration, and temperature extremes is crucial, while also offering protection to the bundled items and surrounding surfaces. The low-profile ball lock head ensures a strong, self-locking, and tamper-resistant closure.

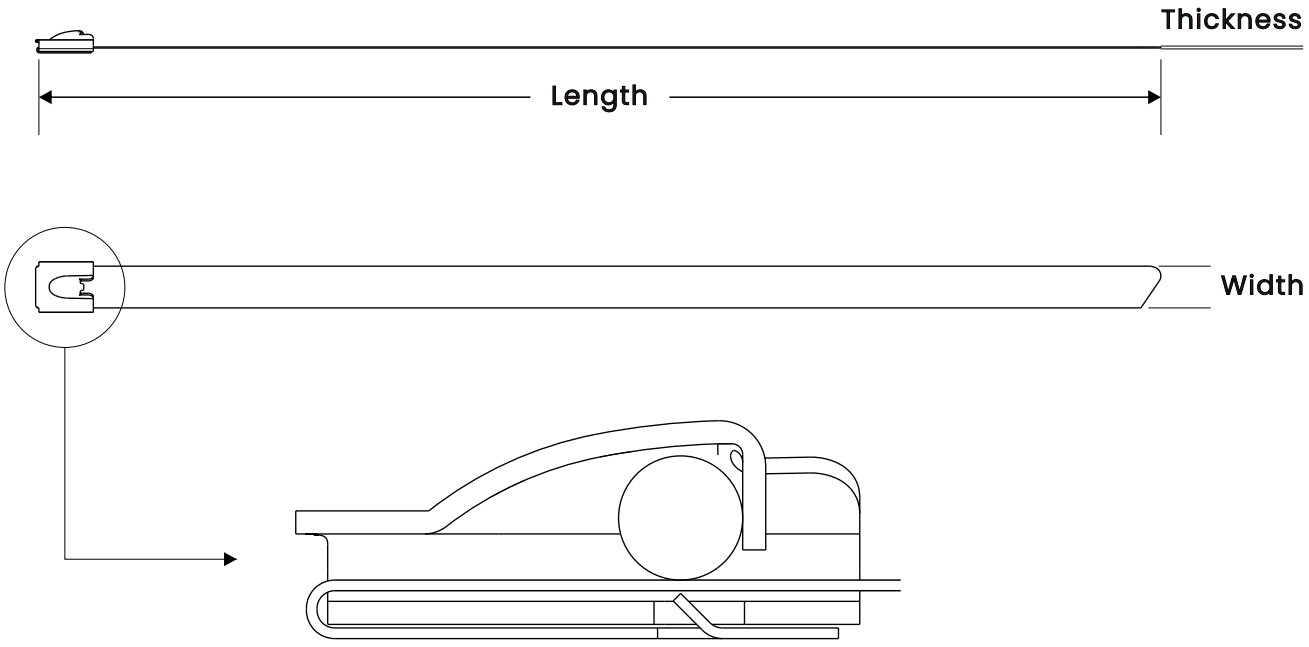
2. Key Features

- **Secure Ball Lock Mechanism:** Features a self-locking ball bearing mechanism that provides a strong, positive, and secure closure with easy installation and a low profile.
- **High Tensile Strength:** Constructed from high-grade stainless steel (typically SS304 or SS316) for excellent breaking strength and reliable bundling in heavy-duty applications.
- **Superior Corrosion Resistance:** The stainless steel core offers inherent resistance to rust and corrosion, significantly enhanced by the protective PVC coating, making them highly suitable for corrosive environments, including those with exposure to chemicals and saltwater.
- **Protective and Insulating PVC Coating:** The durable PVC coating provides electrical insulation, prevents galvanic corrosion when in contact with dissimilar metals, and protects cables, hoses, and other bundled items from abrasion and damage. It also adds a layer of UV resistance for outdoor use.
- **Wide Operating Temperature Range:** While the stainless steel core can withstand extreme temperatures, the PVC coating provides a functional temperature range suitable for many industrial and outdoor applications.
- **Vibration Resistant:** The robust material and secure ball lock mechanism help the tie remain fastened even under significant vibration.
- **Fire Retardant:** The stainless steel component is non-flammable, contributing to fire safety.
- **Smooth Edges (due to coating):** The PVC coating covers the edges of the stainless steel, providing a smoother surface that is less likely to damage delicate insulation or cause injury during handling.

3. Technical Data

- **Material (Tie):** Stainless Steel Grade 304 or 316 (SS316 is recommended for superior corrosion resistance in marine and aggressive chemical environments).
- **Material (Coating):** PVC (Polyvinyl Chloride).
- **Tensile Strength:** Varies based on the width and thickness of the tie (e.g., 100 lbs, 200 lbs, 1112 N).
- **Operating Temperature (Overall):** Limited by the PVC coating, typically ranging from approximately -40°C to +85°C (-40°F to +185°F). Some specialized coatings may offer slightly different ranges.
- **Flammability:** Stainless steel is non-flammable. The flammability characteristics of the PVC coating should be verified with the manufacturer.
- **UV Resistance:** Generally good, provided by the PVC coating, making them suitable for outdoor exposure.
- **Available Widths:** Various widths are available to suit different bundling needs and required tensile strengths.
- **Available Lengths:** Offered in a wide range of lengths to accommodate diverse bundle diameters.
- **Locking Mechanism:** Ball Lock, self-locking.
- **Coating Color:** Typically Black, but other colors may be available from some manufacturers.

4. Specifications



Width		Thickness		Length (mm)	Optional Material
inch	mm	inch	mm		
0.18	4.6	0.015	0.40	100 ~2000	SS304 / 316
0.31	7.9	0.015	0.40	150 ~2000	SS304 / 316
0.39	10.0	0.015	0.40	200 ~2000	SS304 / 316
0.50	12.0	0.018	0.46	300 ~2000	SS304 / 316
0.22	5.6	0.040	1.0	200 ~3000	SS304 / 316
0.35	9.0	0.040	1.0	200 ~3000	SS304 / 316
0.63	16.0	0.040	1.0	300 ~3000	SS304 / 316

Note: Any lengths from 150 to 3000mm are available for custom.
The Max Bundle Diameter = (Length-30mm)/3.14.

5. Cable Tie Tools

Width(mm)	Associated Tools
4.6	LYCT01& LYCT02
7.9	LYCT01& LYCT02
10.0	LYCT02
12.0	LYCT02
5.6	LYBT002
9.0	LYBT002

LYCT01

LYCT02

LYBT002

1. Description

Multi Lock Stainless Steel Cable Ties provide an exceptionally secure and reliable fastening solution for the most demanding applications. Featuring an advanced multi-locking mechanism within the head, these ties engage the strap at multiple points, delivering superior loop tensile strength, enhanced vibration resistance, and a secure, permanent lock. Constructed from high-grade stainless steel (available in SS304 or Ss316), they offer outstanding resistance to corrosion, extreme temperatures, chemicals, and UV exposure, making them ideal for harsh industrial, marine, and infrastructure environments.

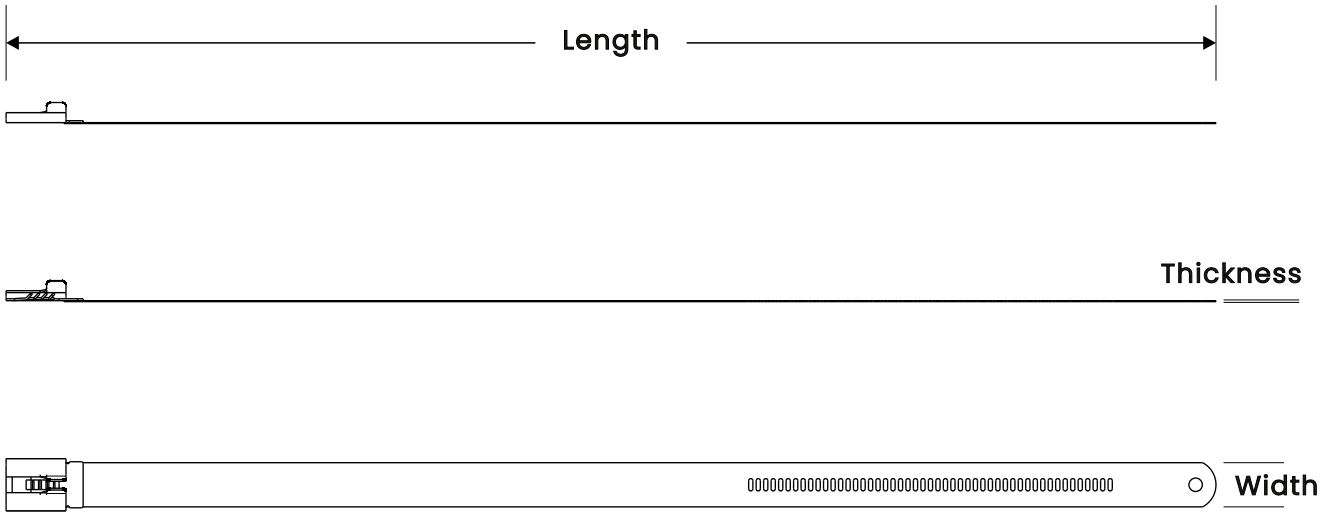
2. Key Features

- **Enhanced Security with Multi-Locking Mechanism:** Provides multiple locking points along the tie band for superior tensile strength and resistance to slippage and vibration.
- **High Tensile Strength:** Designed to withstand heavy loads and provide a secure, long-lasting bundling.
- **Corrosion and Weather Resistant:** Made from high-quality stainless steel (SS304 or SS316) to resist rust, corrosion, and the effects of harsh weather.
- **Durable Construction:** Offers excellent longevity and reliability in extreme conditions.
- **Available in Coated and Uncoated Versions:** Uncoated for high-temperature applications; coated (typically PVC) for electrical insulation, protection against dissimilar metal corrosion, and added chemical resistance.
- **Easy to Apply:** The multi-locking design often allows for hand installation, although tensioning tools are recommended for optimal results.
- **Low Profile Head:** Provides a neat and secure finish to the bundling application.

4. Technical Data

- **Material (Tie):** Stainless Steel Grade 304 or 316 (SS316 for enhanced corrosion resistance, especially in marine environments).
- **Material (Coating):** PVC.
- **Tensile Strength:** 450 N(7mm Wide), 800 N(12mm Wide).
- **Operating Temperature (Tie):** -80°C to +538°C (-112°F to 1000°F) for uncoated ties.
- **Operating Temperature (Coating):** -40°C to +150°C (-40°F to 302°F).
- **Flammability:** Fireproof (Stainless Steel)
- **UV Resistance:** Generally good, especially for coated versions with UV inhibitors.
- **Available Widths:** Commonly 7mm, 12mm.
- **Available Lengths:** Wide range of lengths available to accommodate various bundle diameters.
- **Locking Mechanism:** Multi-Locking (Ladder style with multiple locking barbs/pawls).

4. Specifications



LYCT01

LYCT02

Width		Thickness		Length		Max Bundle Diameter	
inch	mm	inch	mm	inch	mm	inch	mm
0.28	7.0	0.010	0.25	6	152	1.5	38
0.28	7.0	0.010	0.25	9	229	2.5	63
0.28	7.0	0.010	0.25	12	305	3.4	86
0.28	7.0	0.010	0.25	18	457	5.4	137
0.28	7.0	0.010	0.25	24	610	7.3	185
0.47	12.0	0.010	0.25	6	152	1.5	38
0.47	12.0	0.010	0.25	9	229	2.5	63
0.47	12.0	0.010	0.25	12	305	3.4	86
0.47	12.0	0.010	0.25	18	457	5.4	137
0.47	12.0	0.010	0.25	24	610	7.3	185

Note: Any lengths from 150 to 1,000mm are available for custom.

The thickness above is for raw material, thickness with coating is about 0.46mm(0.018")

5. Cable Tie Tools

Width(mm)	Associated Tools
7.0	LYCT01& LYCT02
12.0	LYCT02

Youtube Video

1. Description

Ladder Type Stainless Steel Cable Ties are a versatile and robust fastening solution characterized by their unique ladder-like structure along the tie body. This design provides multiple locking points, offering a secure and flexible method for bundling and securing cables, pipes, and other components in a wide range of demanding environments. Manufactured from high-grade stainless steel, these ties deliver excellent tensile strength, durability, and resistance to corrosion, temperature extremes, and vibration. Available in both uncoated and coated versions, Ladder Type ties are a reliable choice for applications where high strength and adaptability are required.

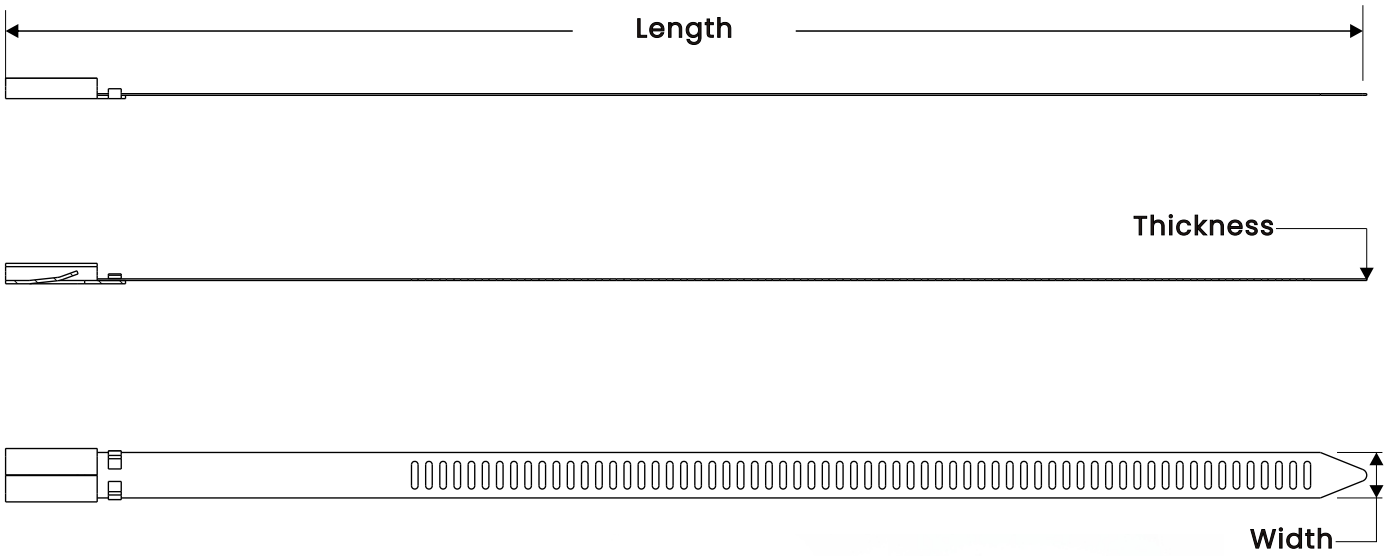
2. Key Features

- **Flexible Ladder Design:** The unique ladder structure provides flexibility, allowing the tie to conform to various shapes and sizes of bundles.
- **Multiple Locking Points:** The "rungs" of the ladder offer numerous points for the locking mechanism to engage, ensuring a secure and potentially stronger hold depending on the load distribution.
- **High Tensile Strength:** Constructed from durable stainless steel to provide strong and reliable bundling.
- **Corrosion, Weathering, and Temperature Resistant:** Inherently resistant to rust and corrosion due to the stainless steel material. Uncoated ties can withstand very high temperatures, while coated versions offer additional protection against specific environmental factors.
- **Self-Locking Mechanism:** Designed for relatively fast and easy installation, often allowing for hand tensioning.
- **Available in Coated and Uncoated Options:** Coated versions (e.g., Polyester) provide electrical insulation, prevent galvanic corrosion, and offer added protection to bundled items and the tie itself.
- **Smooth Edges:** Typically manufactured with smooth, rounded edges to minimize the risk of damage to cable insulation and injury during installation.

4. Technical Data

- **Material (Tie):** Stainless Steel Grade 304 or 316 (SS316 is recommended for enhanced corrosion resistance, particularly in marine and harsh chemical environments).
- **Material (Coatings):** PVC.
- **Tensile Strength:** 450N(4.6mm), 800 N(7.9mm), 1200 N(10.0mm).
- **Operating Temperature (Uncoated):** Approximately -80°C to +538°C (-112°F to 1000°F).
- **Operating Temperature (Coated):** Typically ranges from -40°C to +150°C (-40°F to 302°F), depending on the coating material.
- **Flammability:** Non-burning (Stainless Steel). Coating material flammability characteristics should be confirmed with the manufacturer.
- **UV Resistance:** Good, particularly for coated versions with UV stabilization.
- **Available Widths:** Commonly available in widths such as 4.6mm, 7.0mm & 10.0mm.
- **Available Lengths:** Offered in a variety of lengths to accommodate diverse bundling diameters.
- **Locking Mechanism:** Self-locking, typically engaging with the ladder-like slots on the tie body.

8. Specifications



LYCT01

LYCT02

Width		Thickness		Length (mm)	Optional Material
inch	mm	inch	mm		
0.18	4.6	0.010	0.25	100 ~2000	SS304 / 316
0.31	7.0	0.010	0.25	150 ~2000	SS304 / 316
0.39	10.0	0.010	0.25	200 ~2000	SS304 / 316
0.50	12.0	0.012	0.30	200 ~2000	SS304 / 316

Note: Any lengths from 150 to 3000mm are available for custom.
The Max Bundle Diameter = (Length-30mm)/3.14.

5. Cable Tie Tools

Width(mm)	Associated Tools
4.6	LYCT01& LYCT02
7.9	LYCT01& LYCT02
10.0	LYCT02

Youtube Video

1. Description

Releasable Stainless Steel Cable Ties offer a versatile and durable fastening solution with the added benefit of being able to be opened and reused. Constructed from high-grade stainless steel, these ties provide excellent strength, corrosion resistance, and longevity, making them suitable for demanding environments. The unique releasable mechanism allows for temporary bundling, adjustments, or reuse, providing flexibility in applications where changes or modifications may be required. Available in various sizes and potentially with coatings, releasable stainless steel cable ties are a practical choice for a range of industrial and commercial uses.

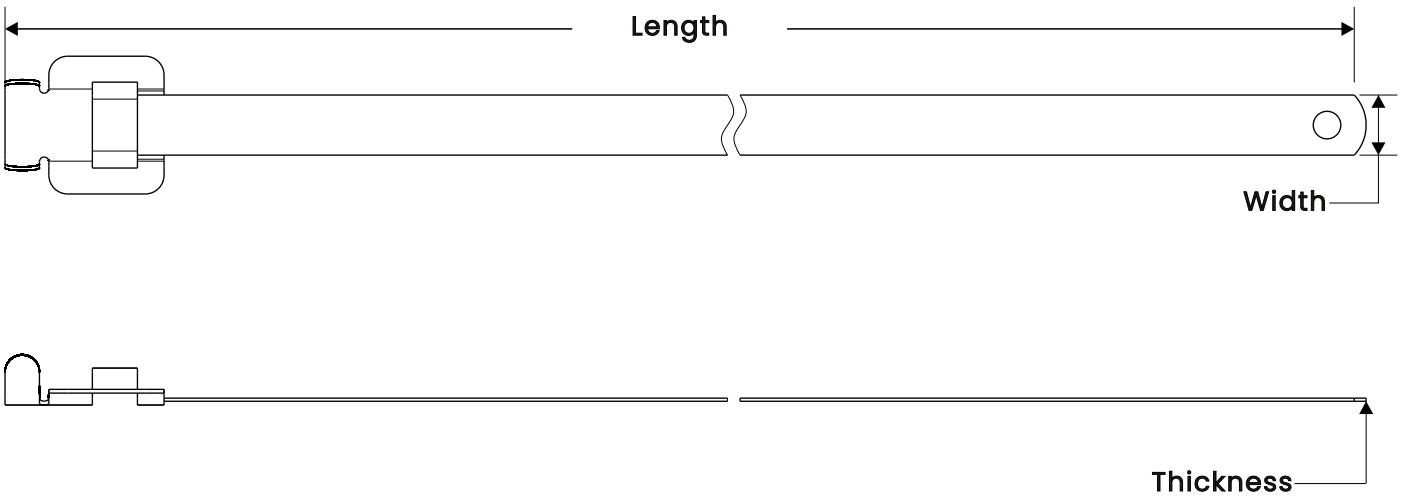
2. Key Features

- **Releasable and Reusable:** The primary feature is the ability to open and re-fasten the tie, allowing for adjustments, additions, or removal of bundled items without cutting the tie.
- **High Strength and Durability:** Made from quality stainless steel (typically SS304 or SS316) for robust bundling and long service life.
- **Corrosion and Weather Resistant:** Stainless steel material provides inherent resistance to rust and corrosion, suitable for various environmental conditions. Coated versions offer additional protection.
- **Convenient for Temporary Bundling and Prototyping:** Ideal for applications where the bundled configuration may change during installation or testing.
- **Time and Cost Saving:** The reusability feature can reduce material waste and replacement costs in applications requiring frequent modifications.
- **Available in Coated and Uncoated Options:** Uncoated for high-temperature resistance; coated versions (e.g., Polyester or PPA) offer electrical insulation, protect against dissimilar metal corrosion, and enhance chemical resistance.
- **Secure Locking (when fastened):** While releasable, the locking mechanism is designed to provide a secure grip when the tie is fastened.

4. Technical Data

- **Material (Tie):** Stainless Steel Grade 304 or 316 (SS316 is often preferred for superior corrosion resistance in harsh environments).
- **Material (Coatings):** Polyester, PPA (Passivated Polyamide), or other specialized coatings (check manufacturer specifications).
- **Tensile Strength:** Typically lower than comparable non-releasable stainless steel ties due to the releasable mechanism. Specific tensile strength ratings vary significantly by width and design (e.g., 100 lbs, 225 lbs, 850 N, 1112 N).
- **Operating Temperature (Uncoated):** Can withstand high temperatures, often up to +500°C (+932°F) or higher for the stainless steel material itself.
- **Operating Temperature (Coated):** The temperature range is limited by the coating material, typically ranging from around -40°C to +150°C (-40°F to 302°F).
- **Flammability:** Non-burning (Stainless Steel). The flammability of the coating material should be verified with the manufacturer.
- **UV Resistance:** Generally good, particularly with coated versions designed for outdoor use.
- **Available Widths:** 1/4"(6.4mm), 3/8"(9.5mm).
- **Available Lengths:** Offered in a range of lengths to accommodate various bundle diameters.
- **Locking Mechanism:** Designed to be engaged and disengaged, often involving a tab, lever, or specific head design that allows for release.

5. Specifications



Width		Thickness		Length		Max Bundle Diameter	
inch	mm	inch	mm	inch	mm	inch	mm
1/4	6.4	0.020	0.50	6	152	1.5	38
1/4	6.4	0.020	0.50	9	229	2.5	63
1/4	6.4	0.020	0.50	12	305	3.4	86
1/4	6.4	0.020	0.50	18	457	5.4	137
1/4	6.4	0.020	0.50	24	610	7.3	185
3/8	9.5	0.020	0.50	6	152	1.5	38
3/8	9.5	0.020	0.50	9	229	2.5	63
3/8	9.5	0.020	0.50	12	305	3.4	86
3/8	9.5	0.020	0.50	18	457	5.4	137
3/8	9.5	0.020	0.50	24	610	7.3	185

Note: Any lengths from 150 to 1,000mm are available for custom.

The thickness above is for raw material, thickness with coating is about 1.10mm(0.045")

Youtube Video

1. Description

Ratchet Lock Stainless Steel Cable Ties are high-performance, durable fastening solutions designed for demanding applications where strength, vibration resistance, and longevity are critical. Constructed from industrial-grade stainless steel, these ties feature a unique self-locking ratchet mechanism that ensures a secure, non-releasable hold once tensioned. The smooth, rolled edges enhance safety during handling and installation. Suitable for use in harsh environmental conditions, including extreme temperatures, corrosive atmospheres, and high vibration areas.

2. Key Features

- **High Strength & Durability:** Offers superior tensile strength compared to nylon cable ties.
- Ratchet Lock Mechanism: Provides a reliable, permanent, self-locking fastening that resists loosening under vibration.
- **Corrosion Resistance:** Made from stainless steel (typically Grade 304 or 316) for excellent resistance to weathering, chemicals, and saltwater.
- **Wide Temperature Range:** Suitable for operation in extreme high and low temperatures where plastic ties would fail.
- **UV Resistance:** Inherently resistant to ultraviolet light degradation.
- Fire Resistance: Non-flammable material.
- **Abrasion Resistance:** Robust construction withstands physical wear.
- **Safe Handling:** Smooth, rounded edges minimize risk of cuts during installation.
- **Permanent Installation:** Designed for non-releasable applications ensuring long-term bundling and securing.
- **Optional Coatings:** Available with polyester or other polymer coatings for additional edge protection and insulation between dissimilar metals.

3. Technical Data

- **Material:**
  - **Standard:** Stainless Steel Type 304.
  - **High Corrosion Resistance Option:** Stainless Steel Type 316.
  - **Optional Coating:** PVC in Black
- **Locking Mechanism:** Stainless Steel Ratchet Lock (Internal Locking Teeth/Pawl)
- **Operating Temperature Range:**
  - **Uncoated:** Typically -80°C to +538°C (-112°F to +1000°F)
  - **Coated:** Typically -40°C to +150°C (-40°F to +302°F)
- **Tensile Strength (Minimum Loop):** Varies significantly by width and thickness.
- **Available Widths:** 10.0mm (0.39"), 15.0mm (0.59"), 19.0mm (0.75").
- **Available Lengths:** 400mm (16") up to 3000mm (118") or longer.
- **Maximum Bundle Diameter:** Dependent on tie length. Manufacturer to specify for each length.
- **Thickness:** 0.25mm (0.010"), 0.40mm (0.015").
- **Resistance:** Excellent resistance to UV, chemicals, radiation, weathering, vibration, and flame.
- **Flammability:** Non-flammable.

4. Specifications

Width		Thickness		Length (mm)	Optional Material
inch	mm	inch	mm		
0.39	10.0	0.015	0.40	300 ~3000	SS304 / 316
0.59	15.0	0.015	0.40	400 ~3000	SS304 / 316
0.75	19.0	0.015	0.40	500 ~3000	SS304 / 316

Note: Any lengths from 150 to 3000mm are available for custom.

The Max Bundle Diameter(D) = (Length-50mm)/3.14.

1. Description

Dual Ball Stainless Steel Cable Ties are high-performance, self-locking fasteners designed for demanding applications requiring superior strength, reliability, and resistance to harsh environmental conditions. Constructed from industrial-grade stainless steel, these ties feature a unique low-profile locking head containing two internal stainless steel balls. This dual ball mechanism provides a strong, positive lock that engages automatically as the tie is tensioned, preventing slippage and ensuring a secure, permanent fastening. They are available uncoated or with various coatings for added protection.

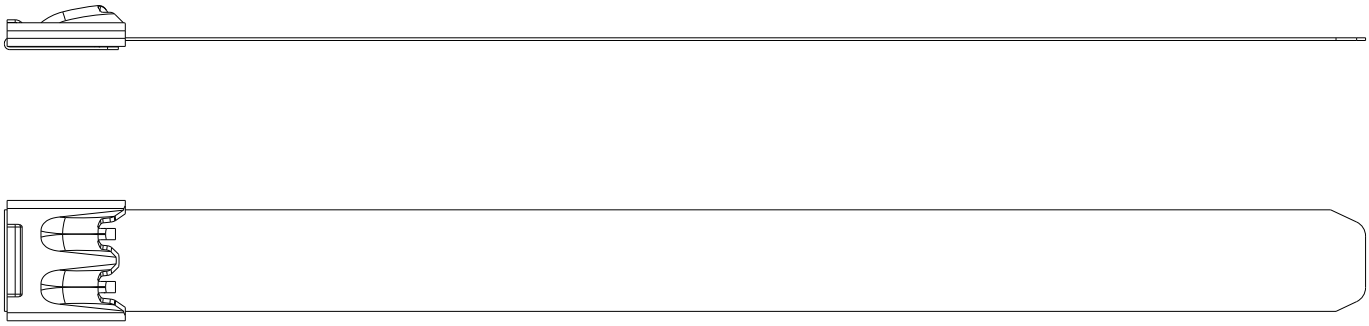
2. Key Features

- **Self-Locking Dual Ball Mechanism:** Provides a secure, reliable, and non-releasable lock that engages automatically and resists loosening under vibration.
- **High Strength & Durability:** Offers significant tensile strength suitable for heavy-duty bundling and fastening.
- **Low Profile Head:** Reduces snagging and provides a cleaner appearance compared to some other buckle types.
- **Corrosion Resistance:** Manufactured from stainless steel (typically Grade 304 or 316) for excellent resistance to weathering, chemicals, salt spray, and corrosion.
- **Wide Temperature Range:** Suitable for operation in extreme high and low temperatures where plastic ties would degrade or fail.
- **UV Resistance:** Inherently resistant to ultraviolet light damage.
- **Fire Resistance:** Non-flammable material.
- **Fast & Easy Installation:** Simple pull-through design allows for quick installation using appropriate manual or pneumatic tools.
- **Smooth Edges:** Rolled edges enhance safety during handling and installation, reducing the risk of damage to cable insulation or injury to installers.
- **Optional Coatings:** Available with Polyester (PPA, Nylon, etc.) coatings for additional edge protection, insulation between dissimilar metals, or colour coding.

3. Technical Data

- **Material:**
  - Standard: Stainless Steel Type 304
  - High Corrosion Resistance Option: Stainless Steel Type 316.
  - Optional Coating: Polyester, PPA, Nylon, Epoxy.
- **Locking Mechanism:** Dual Stainless Steel Ball Lock (Internal, Self-Locking)
- **Operating Temperature Range:**
  - Uncoated: Typically -80°C to +538°C (-112°F to +1000°F)
  - Coated: Typically -40°C to +150°C (-40°F to +302°F)
- **Tensile Strength (Minimum Loop)**: Varies by width and thickness, 1,800N / 400 lbs for 12mm width ; 2,400N / 530 lbs for 16.0mm width; 3,500N / 770 lbs for 19.0mm width.
- **Available Widths:** 12mm (0.47"), 16mm (0.63"), 19.0mm (0.75").
- **Available Lengths:** 200mm (8") up to 1000mm (39") or longer.
- **Maximum Bundle Diameter:** Dependent on tie length. Equal to (Length-50mm)/3.14.
- **Thickness:** 0.3mm, 0.4mm, 0.5mm.
- **Resistance:** Excellent resistance to UV, chemicals (grade/coating dependent), radiation, weathering, vibration, and flame.

4. Specifications



Width		Thickness		Length (mm)	Optional Material
inch	mm	inch	mm		
0.50	12.0	0.012	0.30	200 ~2000	SS304 / 316
0.63	16.0	0.015	0.40	300 ~3000	SS304 / 316
0.75	19.0	0.020	0.50	500 ~3000	SS304 / 316

Note: Any lengths from 150 to 3000mm are available for custom.
The Max Bundle Diameter = (Length-50mm)/3.14.

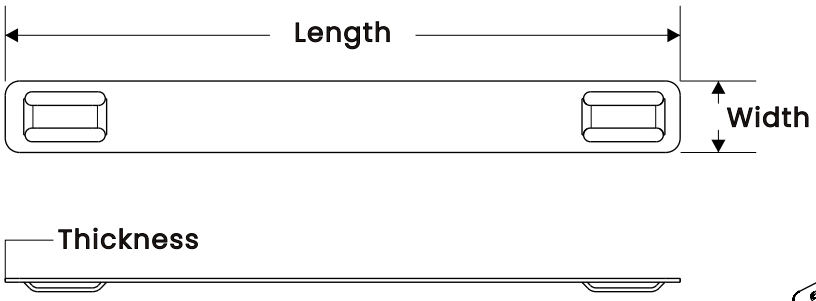
1. Description

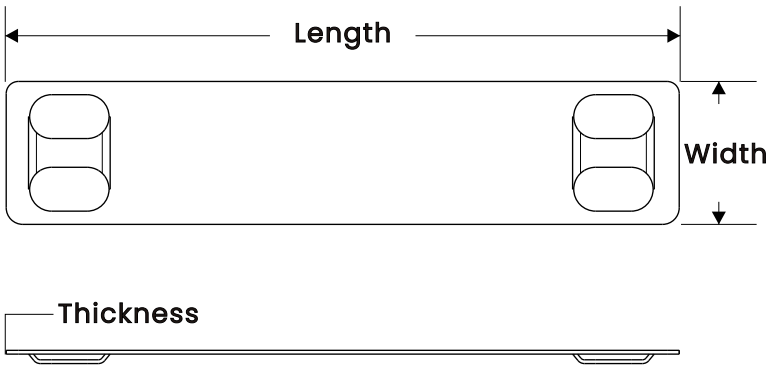
Stainless Steel Cable Markers (also known as Identification Plates or Tags) provide a highly durable and permanent solution for identifying cables, pipes, hoses, valves, equipment, and assets, particularly in harsh or aggressive environments where plastic or adhesive labels would fail. Manufactured from high-quality Stainless Steel (Grade 304 or 316), these markers offer exceptional resistance to corrosion, chemicals, abrasion, UV exposure, temperature extremes, and fire. They are typically supplied blank for on-site marking or pre-marked using methods like embossing or laser engraving for maximum durability and legibility. Markers feature slots or holes for secure attachment using stainless steel cable ties.

2. Key Features

- **Permanent Identification:** Ensures long-term legibility in demanding conditions.
- **Extreme Durability:** Withstands mechanical stress, impact, and harsh handling.
- **Corrosion:** Excellent resistance, especially Grade 316 for marine/chemical exposure.
- **Chemicals:** Inert to a wide range of industrial chemicals, oils, and solvents.
- **Temperature:** Suitable for very high and low-temperature applications.
- **UV Radiation:** Unaffected by sunlight exposure.
- **Fire:** Non-combustible material.
- **Abrasion:** Resists surface scratching and wear.
- **Material Options:** Available in Stainless Steel Grade 304 (general industrial) and Grade 316 (enhanced corrosion resistance).
- **Flexible Marking:** Available pre-marked (Embossed, Laser Engraved) or blank for custom on-site marking.
- **Clear Readability:** High-contrast and durable marking ensures information remains clear over time.
- **Easy Installation:** Securely attached using standard stainless steel cable ties.
- **Various Sizes:** Offered in multiple dimensions with different slot/hole configurations.
- **Ideal for Harsh Environments:** Perfect for offshore, marine, industrial, chemical, and outdoor applications.

3. Specifications





Width		Length		Thickness (mm)	Optional Material
inch	mm	inch	mm		
3/8	9.5	3.5	89.0	0.25/0.4/0.5	SS304/316
3/4	19.0	2.0	51.0	0.25/0.4/0.5	SS304/316
3/4	19.0	3.5	89.0	0.25/0.4/0.5	SS304/316
1-1/2	38.0	2.5	64.0	0.25/0.4/0.5	SS304/316
3/8	9.5	4.0	100.0	0.25/0.4/0.5	SS304/316
3/8	9.5	5.0	125.0	0.25/0.4/0.5	SS304/316

For customizing any other special sizes, please contact sales.

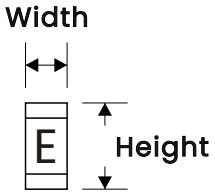
1. Description

Stainless Steel Easy Read Characters are individual letters, numbers, and symbols manufactured from durable stainless steel, designed for creating custom, highly legible identification markers and tags. These characters typically feature an embossed or debossed design, often with a contrasting infill, to ensure readability even in dirty or low-light conditions. They are intended to be slid onto stainless steel banding or cable ties for secure attachment to cables, pipes, valves, equipment, and other assets, particularly in harsh industrial or outdoor environments.

2. Key Features

- **High Legibility:** Embossed/debossed characters, often with black infill, provide excellent contrast and readability from a distance.
- **Durability:** Made from stainless steel for long service life and resistance to physical damage.
- **Corrosion Resistance:** Excellent resistance to weathering, moisture, and many chemicals.
- **UV Resistance:** Inherently resistant to degradation from sunlight exposure.
- **Wide Temperature Range:** Suitable for use in extreme hot and cold environments.
- **Chemical & Abrasion Resistance:** Withstands exposure to industrial chemicals and physical wear.
- **Modular System:** Individual characters allow for creation of any required alphanumeric code or legend.
- **Secure Mounting:** Integrated slots designed for secure attachment using standard stainless steel banding or cable ties.

3. Specifications

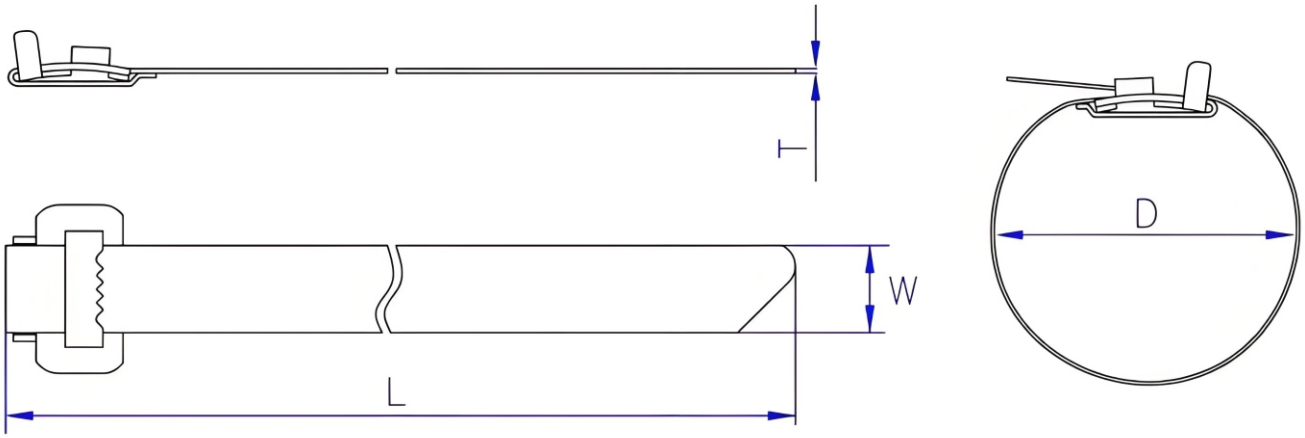


Width	Height	Characters	Optional Material
mm	mm		
5.5	11.4	0~9, A~Z, +, -, /, (,)...	SS304 / 316

1. Description

Preformed Stainless Steel Ties with Ear-lokt Buckles are ready-to-use fastening solutions consisting of a specified length of stainless steel banding pre-assembled with an integrated Ear-lokt style buckle (wing seal). This design significantly speeds up installation by eliminating the need to manually thread separate buckles onto banding. Manufactured from durable stainless steel, these ties offer strong, reliable, and permanent fastening for various bundling and securing applications, particularly in demanding environments.

2. Specifications

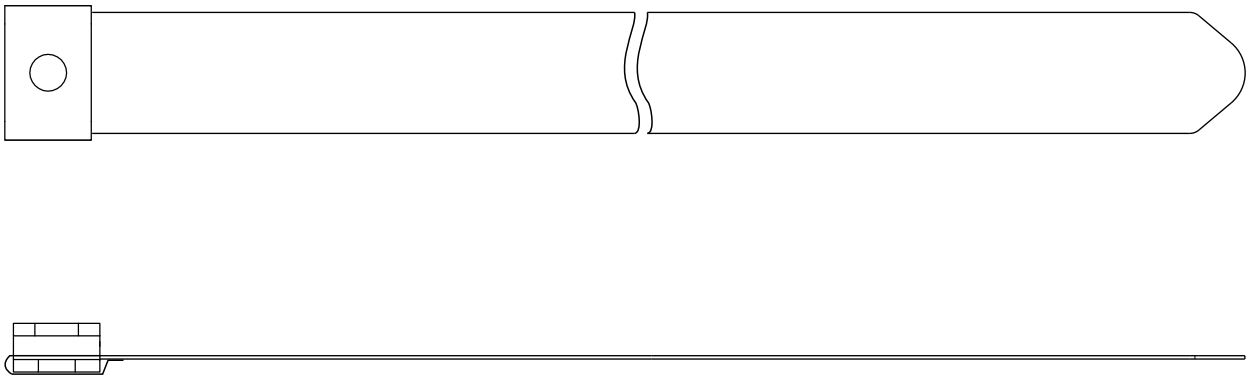


Width		Thickness		Length (mm)
inch	mm	inch	mm	
3/8	9.5	0.015/0.020/0.030	0.4/0.5/0.76	300~3,000
1/2	12.7	0.015/0.020/0.030	0.4/0.5/0.76	300~3,000
5/8	16.0	0.015/0.020/0.030	0.4/0.5/0.76	300~3,000
3/4	19.0	0.015/0.020/0.030	0.4/0.5/0.76	500~3,000
1	25.4	0.040	1.0	500~3,000
1-1/4	32.0	0.040	1.0	500~3,000

1. Description

Preformed Stainless Steel Ties with Scru-lokt Buckles are ready-to-use clamping solutions consisting of a specific length of stainless steel banding pre-assembled with an integrated Scru-lokt style buckle. This configuration combines the convenience of a pre-sized tie with the high clamping force and adjustability offered by a screw-tensioned buckle. Manufactured from durable stainless steel, these ties provide strong, reliable fastening suitable for applications requiring precise tension control and resistance to harsh environments.

2. Specifications

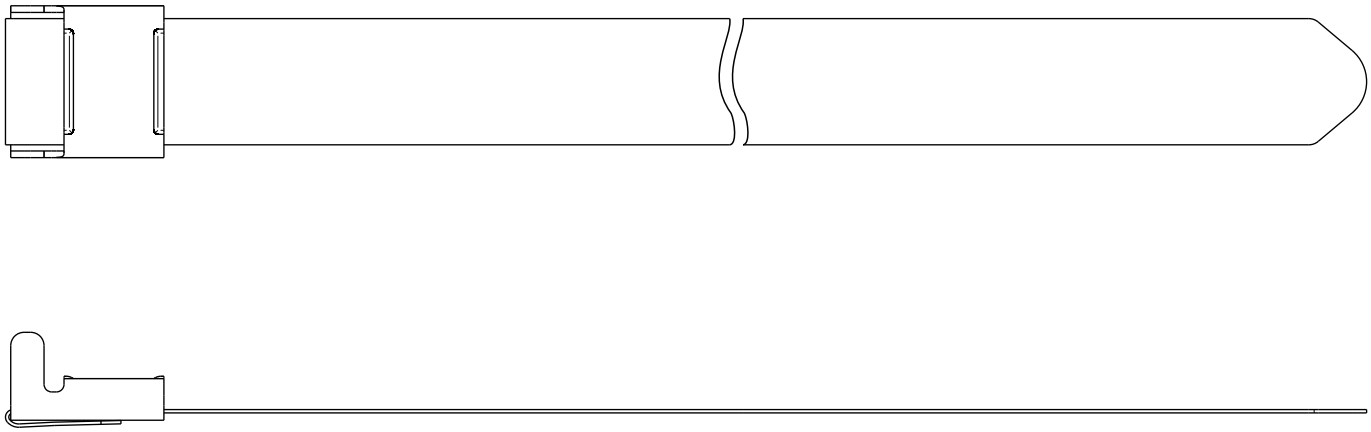


Width		Thickness		Length (mm)	Optional Material
inch	mm	inch	mm		
3/8	9.5	0.015~0.028	0.4~0.7	300~2,000	SS304/316
1/2	12.7	0.015~0.028	0.4~0.7	300~2,000	SS304/316
5/8	16.0	0.015~0.028	0.4~0.7	300~2,000	SS304/316
3/4	19.0	0.015~0.028	0.4~0.7	300~2,000	SS304/316

1. Description

Preformed Stainless Steel Ties with L Style Clips are ready-to-install fastening solutions featuring a specific length of stainless steel banding pre-assembled with an open, L-shaped push-type clip. This configuration allows for rapid installation using a compatible Ratchet style tensioning tool. The L-clip is positioned over the overlapped, tensioned band and then secured by hammering down its ears. Manufactured from stainless steel, these ties offer an economical and efficient solution for various light-to-medium duty bundling and securing tasks.

2. Specifications

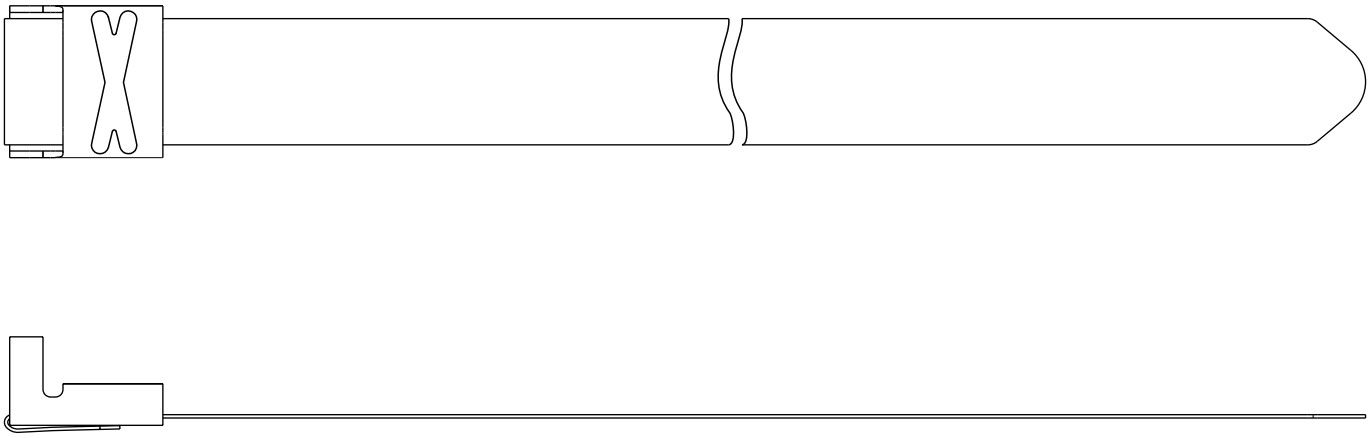


Width		Thickness		Length (mm)	Optional Material
inch	mm	inch	mm		
3/8	9.5	0.015~0.028	0.4~0.7	300~2,000	SS304/316
1/2	12.7	0.015~0.028	0.4~0.7	300~2,000	SS304/316
5/8	16.0	0.015~0.028	0.4~0.7	300~2,000	SS304/316
3/4	19.0	0.015~0.028	0.4~0.7	300~2,000	SS304/316
1	25.4	0.020~0.040	0.5~1.0	500~3,000	SS304/316
1-1/4	32.0	0.020~0.040	0.5~1.0	500~3,000	SS304/316

1. Description

Preformed Stainless Steel Ties with Wing Seals are convenient, ready-to-use fastening solutions comprising a specific length of stainless steel banding pre-assembled with an integrated Wing Seal style buckle. This design streamlines installation by having the buckle already attached to the band. These ties provide a strong, permanent mechanical lock achieved by hammering down the buckle's "wings" after tensioning. Manufactured from durable stainless steel, they are suitable for reliable bundling and securing in various industrial and environmental conditions.

2. Specifications



Width		Thickness		Length (mm)	Optional Material
inch	mm	inch	mm		
3/8	9.5	0.015~0.028	0.4~0.7	300~2,000	SS304/316
1/2	12.7	0.015~0.028	0.4~0.7	300~2,000	SS304/316
5/8	16.0	0.015~0.028	0.4~0.7	300~2,000	SS304/316
3/4	19.0	0.015~0.028	0.4~0.7	300~2,000	SS304/316

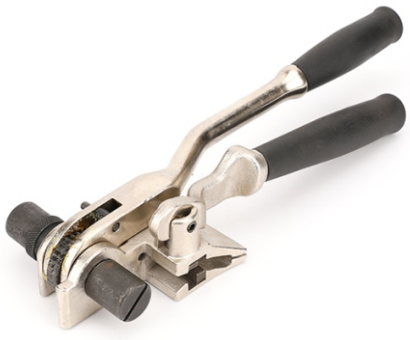
LYBT001
Stainless Steel Banding Tool

LYBT002
Ratchet Banding Tool

LYBT003
Heavy Duty Banding Tool

LYBT006
Ratchet Banding Tool

LYBT007
Giant Banding Tool



LYBT009
Ratchet Banding Tool

Code	Be Used For	Weight(kg)
LYBT001	Stainless Steel Banding, 9.5~20.0 mm wide, 0.4~0.8 mm thick	1.8
LYBT002	Stainless Steel Banding, 9.5~20.0 mm wide, 0.4~0.7 mm thick	1.2
LYBT003	Stainless Steel Banding, 12.7~25.0 mm wide, 0.8~1.0 mm thick	2.8
LYBT006	Stainless Steel Banding, 9.5~20.0 mm wide, 0.4~0.7 mm thick	1.2
LYBT007	Stainless Steel Banding, 12.7~32.0 mm wide, 0.8~1.0 mm thick	3.5
LYBT009	Stainless Steel Banding, 9.5~20.0 mm wide, 0.4~0.8 mm thick	1.5

LYBT004
Ratchet Banding Tensioner

LYBT005
Pocket Banding Tool

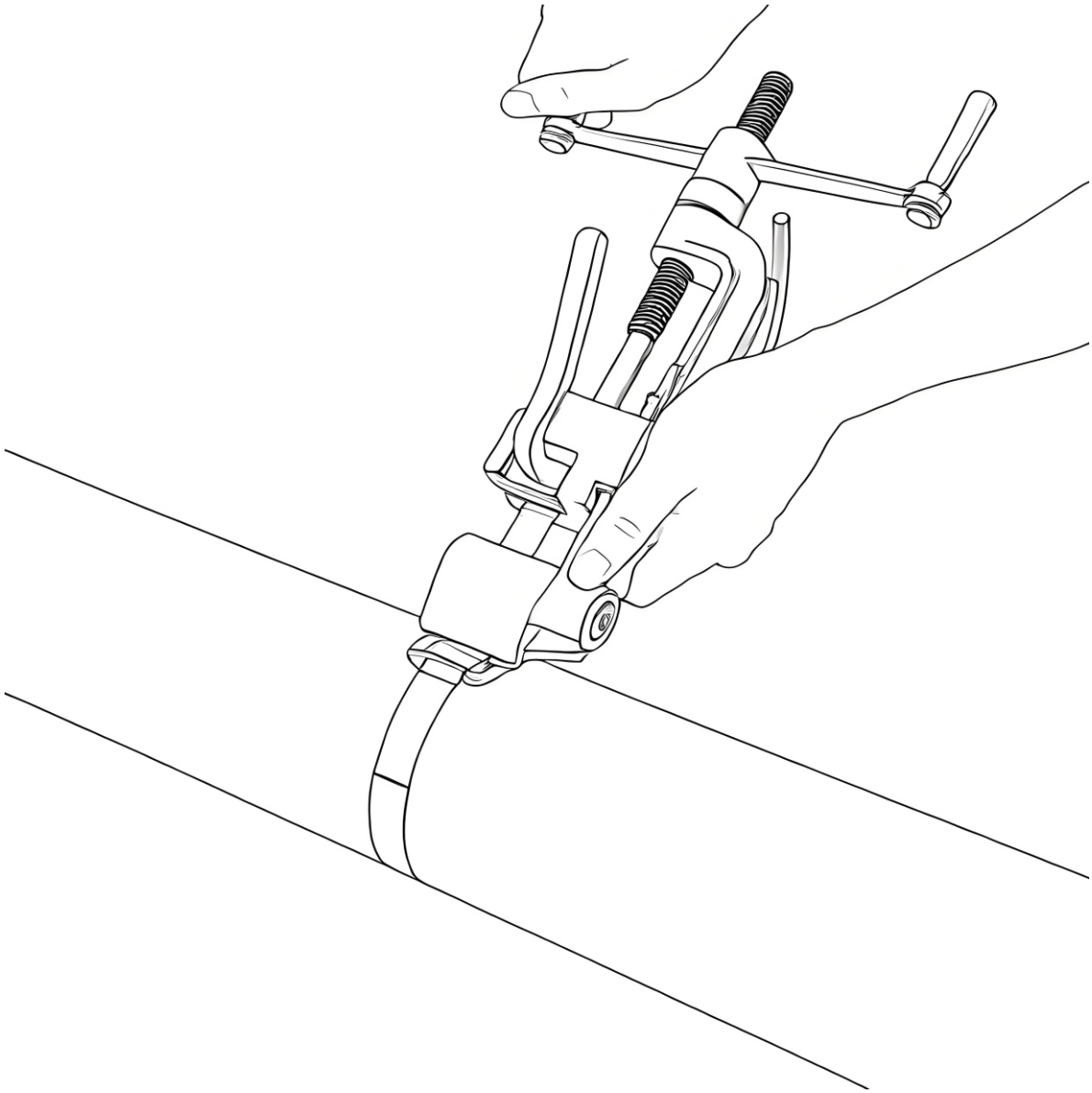
LYCT01
Cable Tie Tool

LYCT02
Cable Tie Tensioner

Code	Be Used For	Weight(kg)
LYBT004	Stainless Steel Ties, 9.5~20.0 mm wide, 0.4~0.7 mm thick	1.2
LYBT005	Stainless Steel Ties, 6.4~10.0 mm wide, 0.4~0.7 mm thick	0.5
LYCT01	Stainless Steel Ties, 4.6~8.0 mm wide, 0.25~0.4 mm thick	0.7
LYCT02	Stainless Steel Ties, 4.6~12.0 mm wide, 0.25~0.4 mm thick	0.7

Bandtite®

BAND CLAMPING & FASTENING SOLUTIONS



SHANGHAI BANDTITE INDUSTRIAL CO.,LTD

Addr: Yueqing City, Wenzhou, China, 325604

M.P./ WhatsApp / Wechat: +86-139 8977 4564

Website: www.bandtite.com

Email: sales@bandtite.com

Website

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