

## 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.

## 3. Applications

- Hose clamping and assembly
- Cable bundling and management
- Sign and signal mounting
- Pipe marker and identification securing
- Insulation attachment
- General maintenance and repair
- Bundling and securing items in transport
- Utility pole attachments

## 4. Technical Data

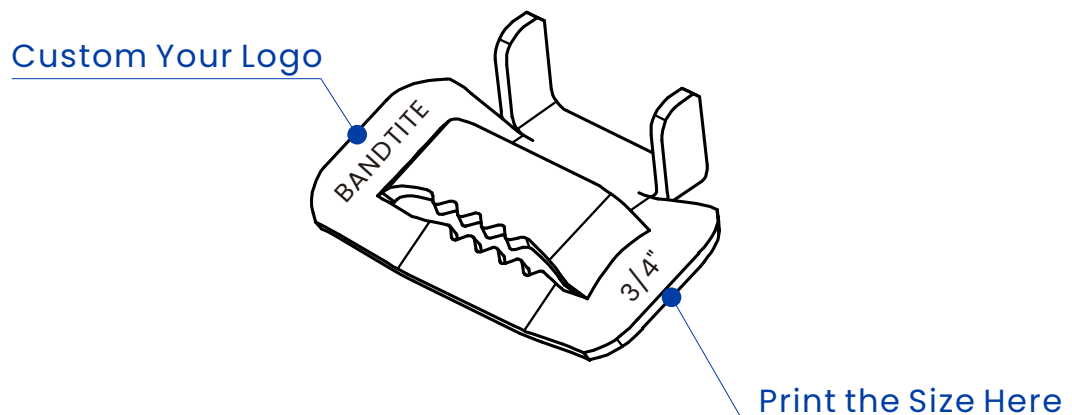
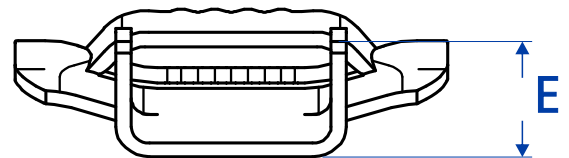
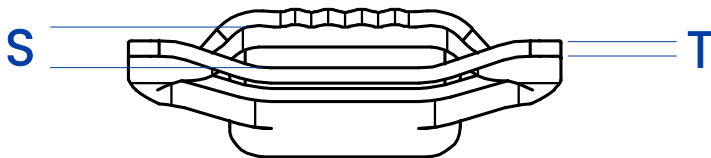
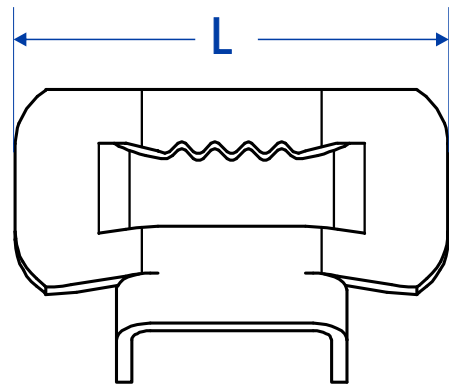
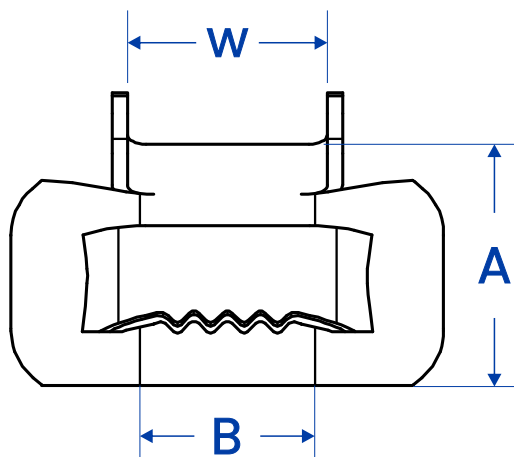
- **Product Type:** Banding Buckle (Ear-Lokt style).
- **Material:** Stainless Steel. Typically available in Type 201 & 304 SS (Standard grade offering good strength and general corrosion resistance). Also available in Type 316 SS (Premium grade offering superior corrosion resistance, especially suited for marine environments, coastal areas, and exposure to certain chemicals).  
*Note: 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)  
*Note: 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.  
*Note: 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.  
*Note: 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. Note: 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.*

## 5. Installation Guidance

- Thread the stainless steel band through the buckle.
- Wrap the band around the object(s) to be clamped. For maximum strength, consider a double wrap through the buckle.
- Feed the loose end of the band through the tensioning tool.

- Apply tension using the tool until the desired tightness is achieved.
- Bend the band over the buckle.
- Engage the locking tool or adapter hammer over the buckle's ear.
- Activate the tool (or strike the adapter) to firmly crimp the ear down onto the band, creating the lock.
- Cut the excess band tail close to the buckle using the banding tool's cutter.
- Hammer down the remaining tail stub over the ear for a safer finish.

## 6. 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.

## 7.Associated Products

To effectively utilize Ear-Lokt Stainless Steel Banding Buckles, the following associated products are typically required or commonly used:

- **Stainless Steel Banding:** The primary companion product. Must be selected in the same width as the buckle and appropriate material grade for the application's strength and corrosion resistance requirements. Usually supplied in rolls within dispensers (totes) or cardboard boxes.
- **Banding Tensioning Tool:** A specialized tool required to apply tension to the stainless steel band before locking the buckle. Tool models like: LYBT001, LYBT002, LYBT003...
- **Ear-Lokt Buckle Locking Tool / Adapter:** A specific tool designed to properly form and crimp the "ear" of the buckle to securely lock the band. This can be a dedicated hand tool or an adapter punch designed to be struck with a hammer.
- **Band Cutters (Optional/Integrated):** While many tensioning tools include a cutter, separate heavy-duty band cutters may be used for specific band types or gauges.
- **Mounting Hardware:** For certain applications like sign mounting or pole attachments, specialized brackets designed to be secured using banding and buckles may be required.
- **Personal Protective Equipment (PPE):** While not a direct product association, safety glasses and work gloves are strongly recommended when working with tensioned steel banding due to sharp edges and stored energy.

**Disclaimer:** This datasheet provides general information. Users must consult the specific manufacturer's documentation and specifications for the exact part number being used. Ensure compatibility between the buckle, band, and installation tools. Proper installation technique is critical for achieving rated performance and safety. Verify material suitability (e.g., Type 201 vs. Type 316) for the specific application environment.