TECHNICAL DATASHEET

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. Key Features

- **Pre-Assembled Unit:** Band and L-style clip (push seal) are supplied together, ready for application.
- **Rapid Installation:** Designed for quick fastening when used with the appropriate pusher-bar style tool.
- **Push-Type Seal:** Utilizes an open L-shaped clip that is pushed over the overlapped band before being hammered closed.
- **Economical Solution:** Offers a cost-effective method for standard banding applications.
- **Durable Construction:** Made from stainless steel for good strength and resistance to environmental factors.
- **Corrosion Resistance:** Typically available in stainless steel grades suitable for general industrial or outdoor use.

3. Applications

Suitable for general purpose, light-to-medium duty fastening where push-type seals are appropriate:

- Bundling cables, wires, and small hoses.
- Securing lightweight signs or tags.
- Packaging applications, securing cartons or bundles.
- Fastening insulation materials.
- General industrial and maintenance tasks requiring quick, economical strapping.

4. Technical Data

- **Material:**
  - Band & Buckle: Commonly Stainless Steel Type 201 (SS201 / UNS S20100), Type 304 (SS304 / UNS S30400), or Type 316 (SS316 / UNS S31600).
- **Buckle Type:** Integrated L Style Clip.
- **Available Widths:** Manufactured in standard banding widths: 3/8" (9.5mm), 1/2" (12.7mm), 5/8" (15.9mm), 3/4" (19.1mm).
- **Preformed Lengths:** Supplied in various standard lengths, each suitable for a specific range of bundle diameters, usually 300~5,000mm.
- **Maximum Bundle Diameter:** Defined by the preformed length of the tie.
- **Thickness:** Standard banding thickness: 0.020"(0.5mm) - 0.030"(0.76mm).
- **Operating Temperature Range:** Consistent with the stainless steel grade used, typically very broad, e.g., -80°C to +538°C (-112°F to +1000°F).
- **Resistance:** Excellent resistance to UV radiation, weathering. Corrosion resistance varies based on the stainless steel grade.

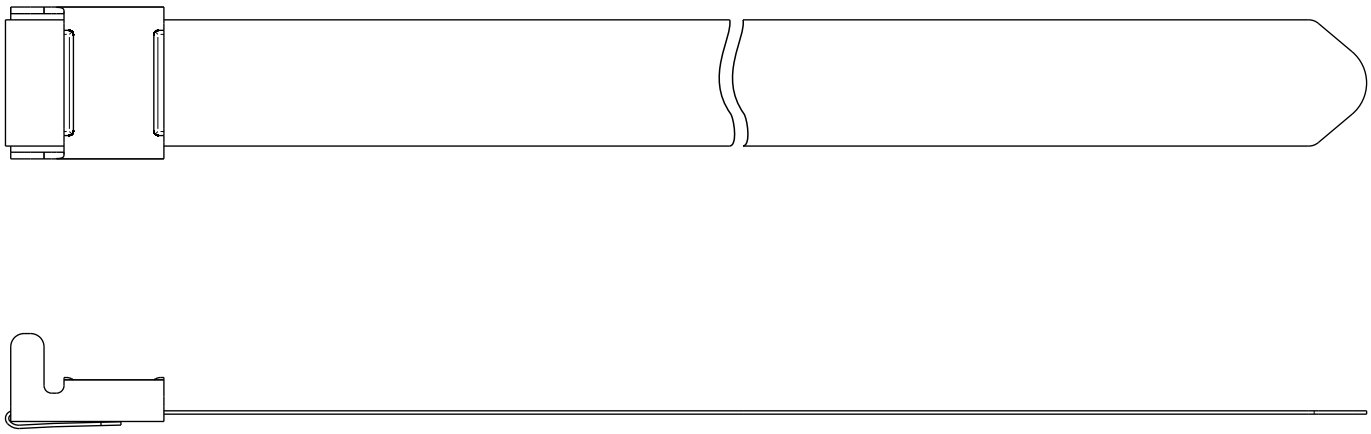
5. Installation Guidance

- **Select Tie:** Choose the preformed tie length suitable for the diameter of the items being bundled.
- **Wrap:** Encircle the object(s) with the preformed tie.
- **Insert Tail:** Feed the loose tail end of the band through the integrated banding clip.
- **Apply Tension:** Engage the banding tensioning tool onto the band tail as per the tool's instructions. Tension the band until it is securely tightened around the object.
- **Bend & Cut:** Bend the tensioned band tail back over the buckle (most tools assist with this action) and use the tool's cutter to remove the excess band flush with the buckle.
- **Close Wings:** Use a hammer to strike the buckle's upstanding wings firmly, folding them down flat and tight over the overlapped band layers. Ensure both wings are fully closed to secure the lock.
- **Inspect:** Verify the buckle is tight and the wings are completely flattened for maximum security.
- **Safety:** Always use appropriate safety gloves (cut-resistant) and eye protection during

6. Associated Products

- **Installation Tool:** A manual or pneumatic tensioning tool designed for stainless steel banding, featuring gripping, tensioning, and cutting functions, is required.
- **Hammer:** A standard hammer is necessary for closing the wings of the seal.

8. 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

Disclaimer: The information provided in this datasheet is intended as a general guide. Joint strength and performance depend heavily on the correct tool usage, proper installation, and application conditions. Users should evaluate the product suitability for their specific requirements. Manufacturer reserves the right to change specifications without notice.