

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. Key Features

- **Pre-Assembled Convenience:** Band and buckle are supplied as a single unit, ready for immediate use, saving installation time and effort.
- **Fast Installation:** Streamlined application process compared to using separate banding and buckles.
- **Secure Ear-lokt Mechanism:** Proven locking method using hammered "ears" or "wings" for a strong, permanent mechanical lock.
- **High Strength & Durability:** Stainless steel construction provides excellent tensile strength and resistance to physical damage.
- **Corrosion Resistance:** Available in various stainless steel grades (e.g., 201, 304, 316) for suitability in different corrosive environments.
- **UV & Weather Resistant:** Inherently resistant to sunlight degradation and various weather conditions.
- **Wide Temperature Range:** Suitable for use across a broad spectrum of temperatures.

3. Applications

- Ideal for applications requiring fast, reliable, and permanent fastening:
- **Cable & Wire Bundling:** Securing electrical cables, conduits, and communication lines.
- **Hose Securing:** Fastening industrial hoses and flexible ducting.
- **Sign & Signal Mounting:** Attaching signs, signals, or lightweight enclosures to poles.
- **Insulation Attachment:** Securing insulation materials around pipes and ducts.
- **General Industrial Fastening:** Various bundling, securing, and identification tasks in manufacturing, construction, and maintenance.
- **Marine & Offshore:** Suitable for use in corrosive environments (SS316 recommended).
- **Utilities:** Securing items to utility poles or within facilities.

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 Ear-lokt Buckle / Wing Seal.
- **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:** Available in a range of standard lengths designed to accommodate specific bundle diameters..
- **Maximum Bundle Diameter:** Each preformed length corresponds to a maximum bundle diameter.
- **Thickness:** Standard banding thickness: 0.025" - 0.030".
- **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 depends on the stainless steel grade selected.

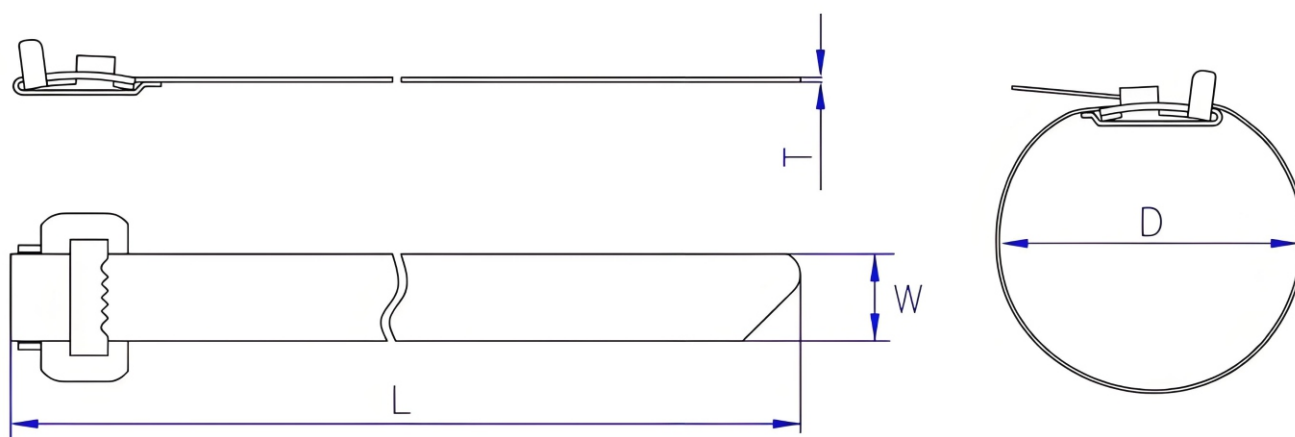
5. Installation Guidance

- **Wrap:** Select the appropriate length tie for the bundle diameter. Wrap the preformed tie around the object(s) to be secured.
- **Insert Tail:** Feed the free end (tail) of the band through the integrated Ear-lokt buckle.
- **Apply Tension:** Place the banding tensioning tool onto the band tail according to the tool's operating instructions. Apply tension until the band is tight around the object.
- **Bend & Cut:** Once the desired tension is achieved, bend the band tail back over the buckle (most tensioning tools facilitate this) and cut the excess band using the tool's integrated cutter.
- **Close Wings:** Using a hammer, firmly strike the upstanding wings/ears of the buckle, folding them down flat and tight over the overlapped band layers. Ensure both wings are completely hammered down for a secure lock.
- **Inspect:** Check that the buckle is tight and the wings are fully flattened.
- **Safety:** Always wear appropriate safety gloves (cut-resistant) and eye protection during installation. Exercise caution when using the hammer and handling sharp band edges.

6. Associated Products

- **Installation Tool:** A specific manual or pneumatic tensioning tool designed to grip the band, apply tension, and cut the tail flush is required.
- **Hammer:** Standard hammer needed to close the buckle's ears/wings.

7. 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

Disclaimer: The information provided in this datasheet is intended as a general guide. Specific performance characteristics can vary based on the application conditions, installation quality, and the specific product variant. Users should evaluate the product suitability for their specific requirements. Manufacturer reserves the right to change specifications without notice.