TECHNICAL DATASHEET

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. Applications

Used in conjunction with stainless steel banding for general-purpose fastening and securing across various industries:

- **Cable & Hose Bundling:** Securing groups of cables or hoses.
- **Sign Mounting:** Attaching signs to posts (utility, traffic).
- **Insulation Attachment:** Fastening insulation materials around pipes and ductwork.
- **Packaging:** Heavy-duty strapping for securing crates, pallets, or bundled goods.
- **Construction:** General fastening duties on construction sites.
- **Utilities:** Attaching equipment or cables to utility poles.
- **Transportation:** Securing items during shipping or transit.
- **General Industrial Maintenance:** Various clamping and fastening tasks.

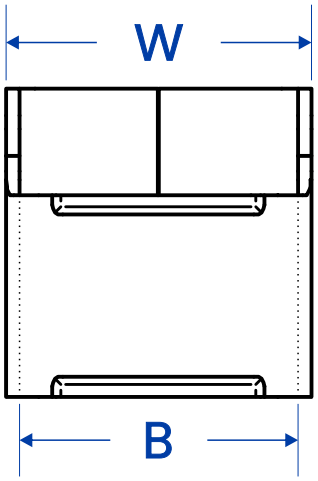
4. Technical Data

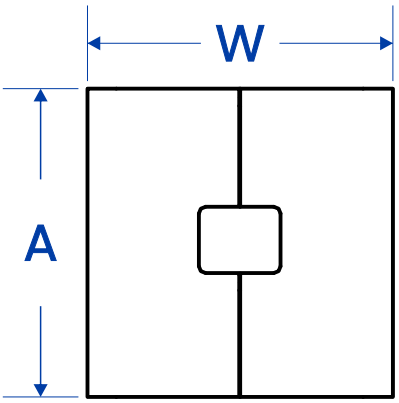
- **Material:**
  - **Standard:** Stainless Steel Type 201 (SS201 / UNS S20100) - General purpose, good strength, moderate corrosion resistance.
  - **Improved Resistance:** Stainless Steel Type 304 (SS304 / UNS S30400) - Excellent corrosion resistance for general industrial and outdoor use.
  - **High Corrosion Resistance:** Stainless Steel Type 316 (SS316 / UNS S31600) - 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:** Suitable for use with standard banding thicknesses: 0.015"(0.40mm to 0.028" (0.70mm).
- **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 corrosion (grade-dependent), UV radiation, and weathering.

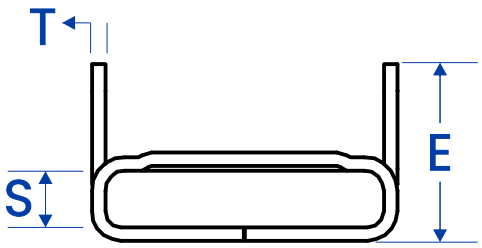
5. Installation Guidance

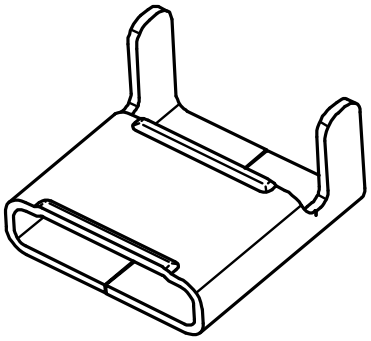
- **Thread Seal:** Insert the end of the stainless steel band through the wing seal before wrapping around the object.
- **Wrap Band:** Wrap the banding around the object(s) to be secured.
- Thread Tail: Feed the tail end of the band back through the wing seal, creating an overlap inside the seal.
- **Apply Tension:** Place the banding tensioning tool onto the overlapped bands 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 seal (most tensioning tools facilitate this) and cut the excess band using the tool's integrated cutter or separate shears. Leave a short tail stub as per standard practice.
- **Close Wings:** Using a hammer, firmly strike the upstanding wings/ears of the seal, folding them down flat and tight over the overlapped band layers. Ensure both wings are completely hammered down to secure the lock effectively.
- **Inspect:** Check that the seal is tight and the wings are fully flattened for maximum holding power and to minimize snag hazards.
- **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. 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.

7.Associated Products

- **Stainless Steel Banding:** Must match the clip's specified width and be compatible with the thickness range. Material grade (201, 304, 316) should typically match the clip for optimal corrosion performance.
- **Banding Tensioning Tool:** Manual or pneumatic tool designed to grip, tension, and often cut stainless steel banding.
- **Hammer:** Standard hammer required to close the wings/ears of the clip.

Disclaimer: The information provided in this datasheet is intended as a general guide for push-type/open stainless steel banding clips. Specific performance characteristics can vary based on the application conditions, the banding used, 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.