

## 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. Applications

- Primarily used for securing stainless steel strapping in applications such as:
- **Packaging:** Securing heavy cartons, crates, and boxes.
- **Palletizing:** Unitizing goods on pallets for shipment or storage.
- **Bundling:** Grouping pipes, timber, metal profiles, or other materials.
- **Coil Securement:** Securing coils of metal or other materials.
- **General Industrial Strapping:** Various securing tasks in manufacturing and logistics.

#### 4. Technical Data

- **Material:**
  - Commonly: Stainless Steel Type 201 (SS201 / UNS S20100) – Good strength, moderate corrosion resistance for general use.
  - Alternative: Stainless Steel Type 304 (SS304 / UNS S30400) – Better corrosion resistance for more demanding environments.
- **Seal Type:** Overlap Seal / Crimp Seal / Notch Seal (May be 'Nestack' type for stackability).
- **Joint Type Formed:** Notch Joint (Typically Single Notch or Double Notch, depending on the sealing tool used).
- **Compatible Strap Widths:** Manufactured for specific standard strapping 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:** Suitable for standard strapping thicknesses. (Manufacturer to specify range, e.g., up to 0.030" / 0.76mm).
- **Finish:** Typically Bright or standard mill finish.
- **Operating Temperature Range:** Consistent with the stainless steel grade used, generally broad, e.g., -80°C to +300°C (-112°F to +572°F) or higher depending on grade.
- **Resistance:** Good resistance to weathering and UV. Corrosion resistance is moderate (Type 201) or good (Type 304).

#### 5. Installation Guidance (Using Separate Tensioner & Sealer)

- **Wrap Strap:** Wrap the stainless steel strapping around the item(s) being secured. Feed the bottom strap end through the tensioner and tension slightly. Overlap the top strap over the bottom strap.
- **Apply Tension:** Operate the manual tensioner to pull the strapping tight around the load to the desired tension.
- **Place Seal:** Position the overlap seal correctly over the tensioned, overlapping strap ends, ensuring it bridges both layers.
- **Apply Sealer:** Place the manual or pneumatic sealer (crimper) over the seal. Ensure the sealer jaws are correctly aligned.
- **Crimp Seal:** Operate the sealer firmly to create the required notch(es) in the seal and underlying straps. Follow the sealer tool manufacturer's instructions for proper operation and number of crimps if applicable.
- **Cut Strap:** Cut the excess top strap close to the seal using the tensioner's cutter or separate shears.
- **Remove Tools:** Release the tensioner and remove both tools.
- **Inspect:** Check the seal for proper notch formation and ensure the joint is secure.
- **Safety:** Always wear appropriate safety gloves (cut-resistant) and eye protection. Be cautious of high strap tension and sharp edges.

## 6. 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.



## 7. Associated Products

- **Stainless Steel Strapping:** Must match the seal's specified width and gauge compatibility.
- **Manual Tensioner:** Tool used to pull the strapping tight around the load.
- **Manual or Pneumatic Sealer (Crimper):** Tool specifically designed to apply the notch joint to the overlap seal. Must match strap width and seal type.
- **Combination Tool:** A single tool that tensions, seals (crimps), and cuts the strapping.
- **Strapping Dispenser:** Cart used to hold and dispense strapping coils easily.

**Disclaimer:** The information provided in this datasheet is intended as a general guide for overlap/crimp type stainless steel strapping seals. Joint strength and performance depend heavily on the strapping used, the sealing tool, proper installation, and application conditions. Users should evaluate the product suitability and consult manufacturer-specific data for their requirements. Manufacturer reserves the right to change specifications without notice.