

# **SIGNFIX™**

**Engineered Modular Sign Support Systems**



**To Order Contact:**

**Warnco**

**Toll Free 877-472-7748**

**sales@warnco.com**

**www.warnco.com**

# Applications

## SIGNFIX® Product Overview

**SIGNFIX Modular Sign Support Systems** conform to AASHTO standards within LTS-4-12 (2001), Standards Specifications for Structural Supports for Highway Signs, Luminaries and Traffic Signals

**SIGNFIX Modular Sign Support Systems** are recognized by sign fabricators as a quicker, easier and cost effective method to mount all sizes of signs to any size or shape of pole.

**SIGNFIX Channel Extrusions** are manufactured from 6061-T6 Aluminum alloy to provide excellent corrosion resistance and high strength structural properties. Each channel extrusion has the identical channel hardware configuration which allows the simple mix and match design for attaching hardware to round poles, square posts, and I-beam structures.

**SIGNFIX Mounting Hardware** is manufactured from Type 304 stainless steel to prevent corrosion while providing reliable strength.

### DOT Signs

SIGNFIX Large Channel Extrusion with 3M™ VHB™ tape used to assemble and mount this 12' x 8' sign. This 4-panel .080 gauge aluminum sign was assembled in 25 minutes and installed in less than one hour.



Stiffener placement was determined using the SIGNFIX Stiffener Spacing software.



### Oversized Street Name Signs



San Diego, California has been improving and enlarging their signs. SIGNFIX was chosen because of its ease of application and strength. These 10' wide, 18" tall signs were installed using Medium Channel Extrusion and Universal Channel Clamps. Installation time less than 5 minutes per sign.

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### Informational Signs

SIGNFIX Medium Channel Extrusion was used to offset mount this 4' X 5' guide sign away from traffic. Installation time less than 5 minutes.



This 4' x 4' .080 gauge aluminum sign was installed in less than 5 minutes using SIGNFIX Large Corner Angle Channel Extrusion and Universal Channel Clamps. Using the SIGNFIX Channel Spacing Software, the sign was designed for a 100 mph wind load according to AASHTO specifications.



### Mast Arm Signs

These oversized guide signs were mounted to the mast arm using SIGNFIX Medium Channel and Universal Channel Clamp. The largest sign is 6' x 6'.



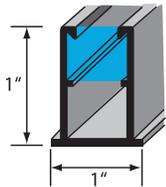
This 2' x 6' sign was assembled and installed with Medium Channel Extrusion and Universal Channel Clamps. Built for high wind loads, the sign can be quickly mounted level in spite of the mast arm angle.

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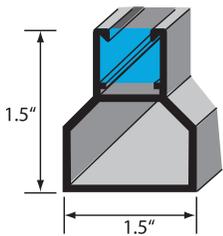
## Support Channel Extrusions

For mounting and stiffening any size sign.

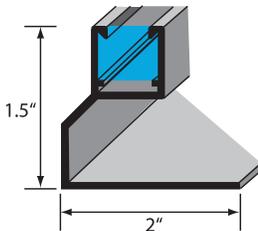
**SIGNFIX Channel Extrusions have identical configurations allowing the use of all SIGNFIX hardware with any extrusion.**



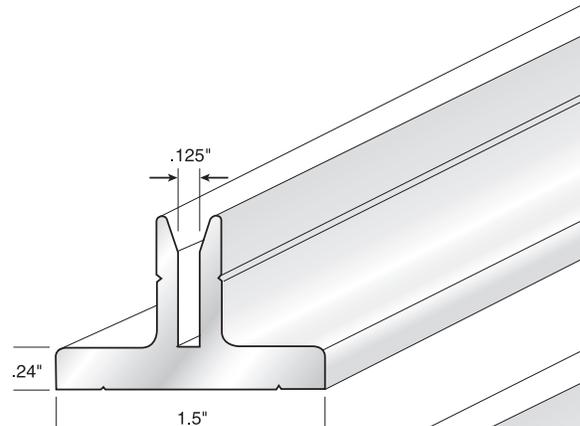
SX0073 Medium Channel Extrusion  
10' Stock Length



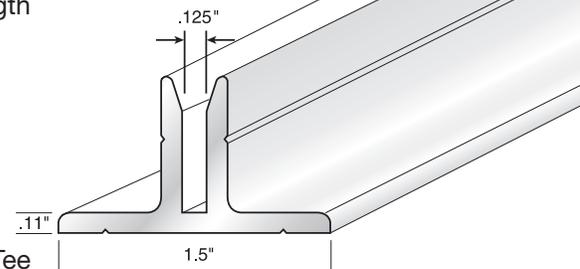
SX0130 Large Channel Extrusion  
10' Stock Length



SX0090 Large Corner Angle Channel Extrusion  
10' Stock Length



SX0176 Extrusion, Double-Tee, Heavy Duty  
12' Stock Length



SX0178 Extrusion, Double-Tee  
10' Stock Length

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## Universal Channel Clamp



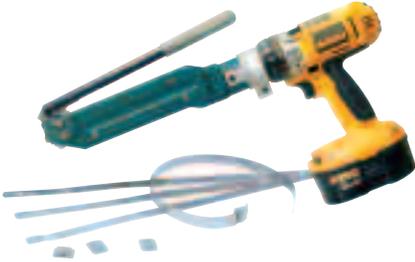
SX0220



- Compatible with all SIGNFIX Channel extrusions.
- During installation, the assembly becomes fully adjustable to any size or style sign post when used with BAND-IT Band and Buckle or Ultra-Lok Free End System.

# Band and Buckle Systems from Warnco To Mount Your SIGNFIX Application

**High strength fastening and clamping.  
Wide variety of materials, widths, and thicknesses.  
Can be formed to virtually any diameter and shape.**



*UL4000 Tool with Ultra-Lok band and buckle*



*Ultra-Lok Tote*



*Cardboard boxes or Plastic Totes*

## Ultra-Lok® Systems

- Apply 5 times faster than band and buckle with hand tools.
- Form band lock under full tension, meaning less slippage.
- Correct assembly guided by matching arrow indicators on band and buckle.
- Offers good resistance to oxidation and many moderate corrosive agents.
- Type 201 1/4 hard SS band provides greater material strength allowing tighter clamps and can be double wrapped for additional strength.
- 3/4" bands supplied in plastic tote, 1/2" band supplied in flat cardboard boxes.
- Ultra-Lok Free End clamps available with decorative coating.
- Application tools: UL4000 rechargeable portable tool, UL9010 110-volt AC, corded electric tool.

## 201 SS Band

- Type 201 SS, bright annealed finish sets the standard with a combination of high strength and quality appearance.
- Offers good resistance to oxidation and many moderate corrosive agents.
- EASY SCALE - a patented imprint right on the band. Eliminates complicated measuring by allowing users to quickly and precisely roll out the exact length of band needed for any clamp.
- Durable plastic dispensers available.
- Application tools: C00169, C00369, C07569, and C40099.

## Decorative Coated Free End Clamps and Hardware

These clamps can be applied to many BAND-IT products to match contemporary styles of posts, poles and mounting hardware with durable, color-coordinated powder coated finishes. Contact us for more information.



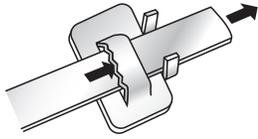
BEFORE



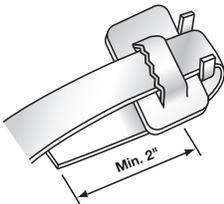
AFTER  
custom color coating

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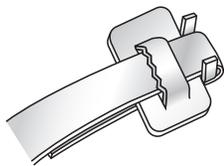
# Forming a band clamp and operating the C00169 and C00369 tool



1. Pull appropriate length of band from BAND-IT Tote (approx. 3 1/2 times the diameter of the pole or mast arm for a single-wrapped clamp and double-wrapped clamp. Add 6 – 8 inches for both single-wrapped and double-wrapped clamps to accommodate the tail and bracket design.) Cut the band using one of the BAND-IT tools with built-in cutter. One end of the band will be very flat and the opposite end will be slightly bent from the cut-off.



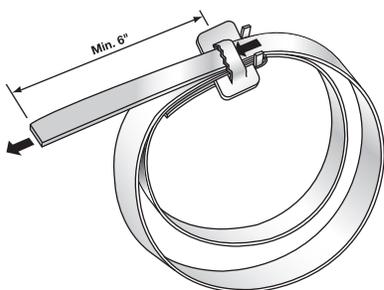
2. Holding the buckle in one hand, with ears pointing upward and to the right as shown, insert the bent or twisted end of the band through the buckle "bridge," past the ears and bend so that at least 2 inches are underneath the buckle.



3. Squeeze the "lip wrap" to flatten the bend preventing "pull-out" during tensioning.



4. Wrap band through sign bracket and around the pole or mast arm and thread through bridge as shown.



5. Repeat a second wrap of band through the bracket and buckle for a continuous double-wrap application. Double-wrapping develops greater radial compression than single-wrapped clamps and more than doubles the holding strength for heavy objects and high wind loads.



6. Place band in open slot of tool nose and gripper block. Move into slot as far as possible to prevent buckle from sliding into tool nose. With thumb on band gripper lever, apply tension by turning handle of tool. After tension is created, it is no longer necessary to hold the band gripper lever as it locks itself under tension. When band stops moving through buckle, maximum tension has been applied. Stop turning handle.



7. To set the lock and cut off band, roll tool nose over buckle, relieving a slight amount of tension by backing off tension handle during this fold over operation. Failure to back off tension handle throughout the entire course of roll over may result in breaking band. On the other hand, releasing too much tension may result in a loose clamp.



8. Pull cutting handle to cut the band.

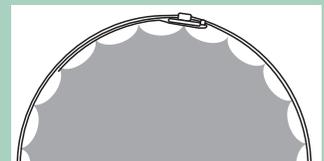


9. Remove tool, holding stub of band down with thumb.

10. Hold clamp tail down between ears while hammering the buckle ears down to hold band stub in place. This completes the secure BAND-IT clamp.

## Fluted Pole Applications

When tensioning a conventional clamp over a fluted pole, it is necessary to extend the length of the "lip wrap" several inches to assure contact with 2 or 3 flute ridges. Buckle placement over a ridge is important to provide support for the lock and prevent the "lip wrap" from shifting.





[sales@warnco.com](mailto:sales@warnco.com)

Business days in transit from: FOREST, VA 24551



**Terms NET 30 days    Minimum Order \$50.00**

**F.O.B. & REMIT to Address:**

**WARNCO**  
1021 Dillard Drive  
Forest, VA 24551  
P# 1-877-472-7748  
F# 1-800-300-4940

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