

PRO Series Brakes

Operating Instructions



Tapco  **PRO50**[™]

Tapco  **PRO19**[™]

Tapco  **PRO14**[™]

PRO Brake System

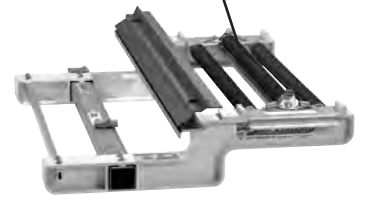
PRO™ Cut Off Gauge
Simplifies cutting.



PRO™ Cut-Off
Quickly, safely, and easily makes factory quality cuts in coil stock, sheet metal, and vinyl siding right on your Brake.



Brake Buddy®
Instant roll forming tool.



Side-Winder™
Works in tandem with all PRO Series Brakes.



Snap Stand™
Heavy Duty Transportable Support; sets up in seconds.



Wheel Kit
Allows for easy transport of Snap Stand.

PRO Accessories



Includes molded case.

PRO™ Cut-Off

Quickly, safely, and easily makes factory quality cuts in coil stock, sheet metal, and vinyl right on your Brake.

- Produces straight, square cuts. Reduces scrap and eliminates knifing damage to costly bending hinges.
- Lightweight aluminum construction built to last.
- Hardened and captured tool steel cutting knives for safety and durability.
- Eliminates use of dangerous utility knives and open blades.
- For use with all PRO Series' Brakes (1995 and after).
- Molded carrying case protects tool when not in use.

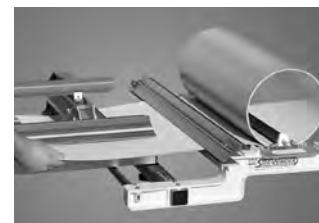


Saves time and labor in scoring and breaking off material.

Side-Winder™

Works in tandem with PRO Series Brakes to prevent coil damage.

- Allows you to feed coil directly into the jaws of your PRO Brake. Eliminates the need for a separate layout table. Decreases damage from handling coil stock.
- Clamping bar speeds up production, helps decrease waste.
- Attaches in seconds to the end of the PRO series Brake. (modification may be needed to use unit on heavy duty and MAX-I-MUM units)
- Holds up to 24" (61,0 cm) wide coil. Weighs only 24 lbs. (10,7 kg)
- Installs in seconds.



Keeps the coil at your side where you need it!

Snap Stand™

Heavy Duty Transportable Support for all PRO Series Brakes and ProTrax™ Multi-Angle Saw Table.

- Works in conjunction with any portable siding brake.
- Variable height adjustment.
- Brake easily snaps and locks in place.
- Folds flat for easy storage.
- Durable aluminum for long life.
- Sets up in seconds.



Optional Wheel Kit

- Allows for easy transport of Snap Stand
- Easy to attach
- 10" Pneumatic tires
- Steel hub



Brake Buddy®

Instant roll forming tool for portable brakes.

- Quickly and easily forms brick mold trim and decorative ribs in .019 aluminum, PVC coated aluminum, and vinyl coated trim coil.
- Utilizes the edge of the material itself as a guide while the rib spacing is adjustable. Two different sets of rollers included.
- Enables you to offer added style and individuality to all your jobs.
- Includes molded carrying case.
- Optional Diamond Roller.



Fascia Rollers

Brick Mold Rollers



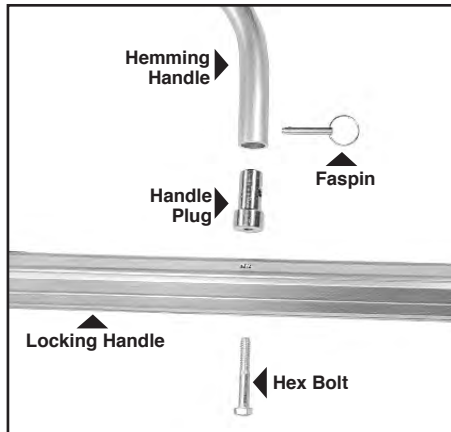
Simply turn adjustment handle until roller is at desired position for multiple ribs.



Includes molded storage case.

Setting Up Your PRO Brake

Hemming Handle Installation



The Hemming Handle Assembly includes: (1) Hemming Handle, (2) Handle Plugs, (2) Faspins, (2) Hex Bolts.

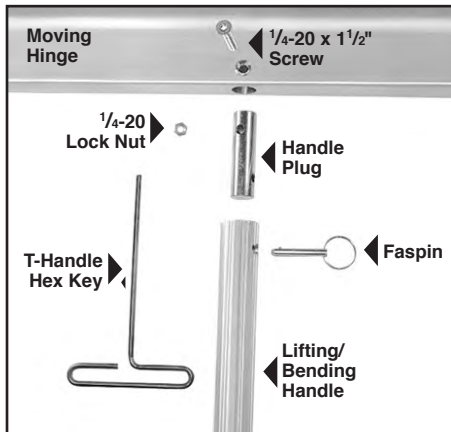


Insert Hex Bolt through Locking Handle of your Brake and into base of Hemming Handle as indicated using the 3/8" Hex Bolts provided. **HAND TIGHTEN ONLY.** Repeat for other side.

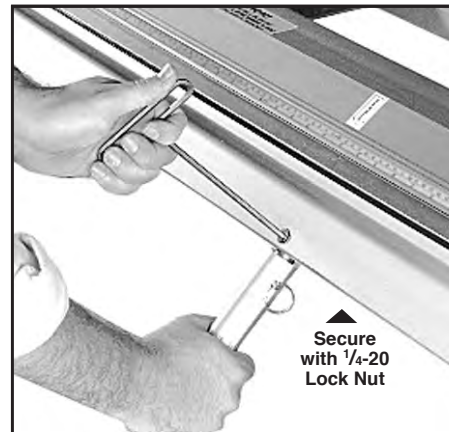


Attach the Hemming Handle over the Handle Plugs and secure them with Faspins. Now tighten the 3/8" Hex Bolts with a 9/16" wrench. Handle can be detached from now on by simply removing the Faspins.

Lifting/Bending Handle Installation



Remove the combination Lifting/Bending Handles from each end of the Brake by removing the Faspins as shown.



Insert Handle Assembly into hole in bottom of Moving Hinge. Align hole in hinge with Handle Plug and insert screw using T-Handle Hex Key as shown. Secure with 1/4-20 Lock Nut.



Repeat for other handle(s). To remove handles, simply release Faspins. Always use more than one handle when bending.

Hinge Clip Installation

The Hinge Clip keeps the Moving Hinge in position for ease of aligning material. It can also prevent rippling of the coil during cut off operations.

To install Hinge Clip, locate predrilled hole on bottom center of Moving Hinge. Align holes in Clip and Hinge as shown and insert Phillips head screw provided.

Note: You must use hinge clip when using Pro Cut-Off.



Using Your PRO Brake

Basic Hemming and Folding



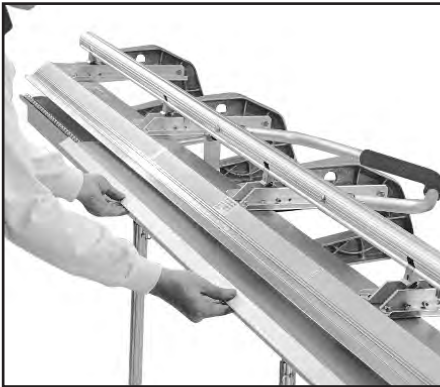
1 Insert the material you wish to hem into your Brake.



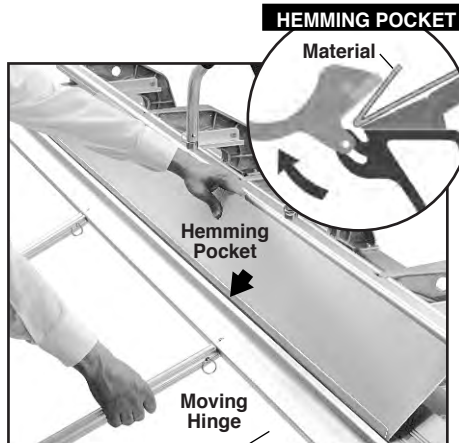
2 Close and lock Brake on the material.



3 Bend as far as you can go.



4 Remove the material from the Brake.



5 Position the bent edge of the material in the Hemming Pocket on top of the Anvil.



6 Lift the Bending Handles and compress the bend for a completed hem.

Care and Maintenance of your Brake

Your Pro Series Brake is virtually maintenance free and will provide you with years of reliable and trouble-free performance, however, there are a few basic necessities required to keep your Brake like new.

1. Clean the clamping surfaces each day before using. Use only clean shop towels that are free of dirt, oil and metal chips.
2. Do not use your bender around your saw table as the cuttings may get in between clamping surfaces and cause excessive wear or material scratching. Brush away any cuttings or filings that accumulate.
3. Transport your Brake in the unlocked position. You may transport it in the locked position if you clamp a piece of cardboard or vinyl siding between the clamping surfaces.
4. If your material is getting scratched, examine the Stainless Bending Edge, Base Hinge and Moving Hinge for roughness or burrs. Remove burrs with emery cloth or replace excessively worn parts. Optional Pro Cut-Off will help eliminate excessive wear to costly bending edge.
5. Use a lightweight spray oil along the moving pivot hinge after every 40 hours of use.

Capacities

PRO 50 Bending Capacities

- Up to .030 soft aluminum
- Up to 28 ga. galvanized steel
- Up to 16 oz. copper sheet & coil

PRO 14/19 Bending Capacities

- Up to .030 soft aluminum
- Up to 28 ga. galvanized steel
- Up to 16 oz. copper sheet & coil

PRO 14 HD Bending Capacities

- Up to .040 soft aluminum
- * Up to 26 ga.* galvanized steel
- Up to 20 oz. copper sheet & coil

MAX-I-MUM II commercial model Brakes are available to bend up to 20 ga. galvanized steel.

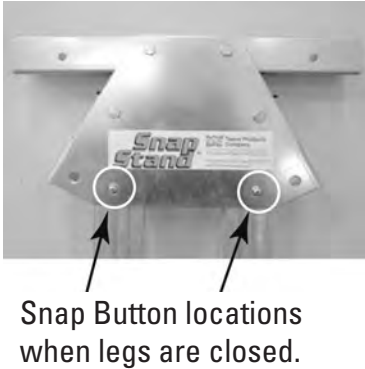
Snap Stand Set-Up

STEP 1

To open each Leg Set, push in the snap button and move each leg outward to the working position. Figure 1A below shows the leg set as shipped while Figure 1B shows the leg set open (working position). Make sure that the snap button pops up to lock each leg.



Figure 1A



Snap Button locations when legs are closed.



Figure 1B



Snap Button locations when legs are open.

STEP 2

Attach the Cross Braces to the Leg Sets. With the snap button of the Leg Set pointing to the outside, snap the Cross Braces into position. See Figures 2A and 2B below.

Note: Be sure the C-shape of the Cross Brace is mating the leg as shown in Figure 2C below.

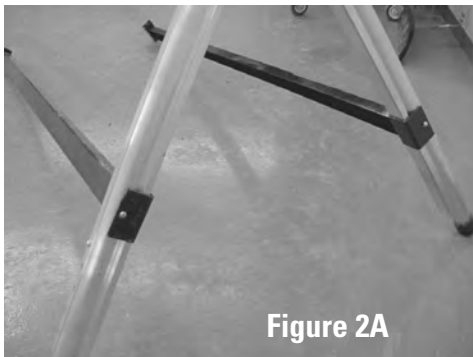


Figure 2A

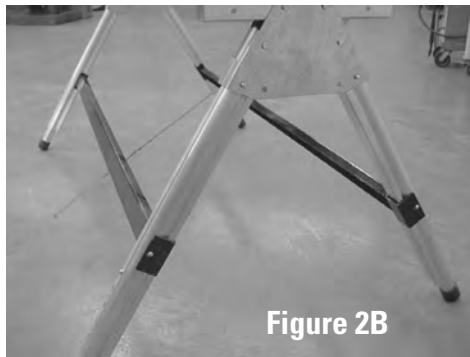


Figure 2B

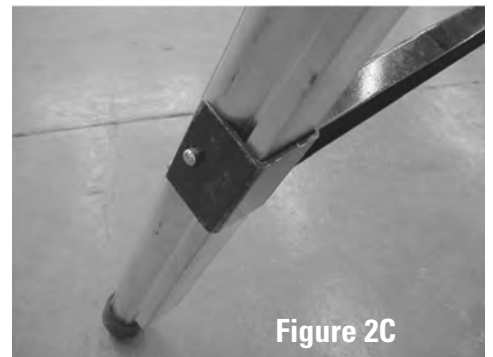
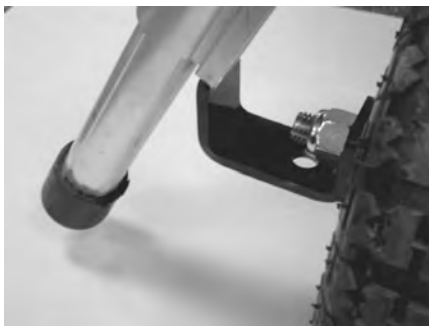


Figure 2C

Attaching Optional Wheel Kit



STEP 1

Insert the wheel assembly into the leg of the Snap Stand as shown in the figure above. Tap the bracket with a hammer to wedge it tightly into the leg. Repeat this process for the other leg.



Use one of these positions to stop the stand from rolling.

STEP 2

To prohibit the stand from rolling on the wheels, lock the leg extensions into one of the bottom two locking positions. See figure above. If the leg extensions are in one of the other 3 positions, the wheels are in contact with the ground and are free to roll.

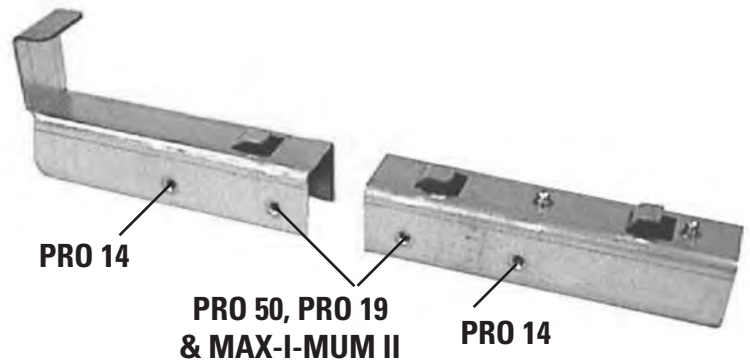
STEP 3

To remove the wheel assembly, tap the bracket downward with a hammer to disengage.

Installing Brake on Snap Stand

STEP 1

Using the 1/4-20 bolts and lock washers provided, fasten the brake mounts to the Leg Set. Depending on which brake you're using, choose the correct holes as shown in the figure at right.

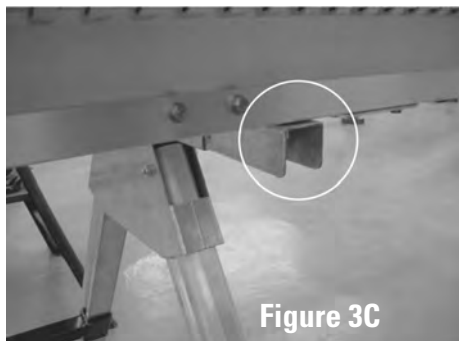


STEP 2

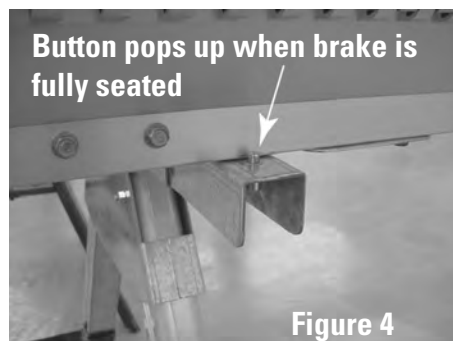
The snap buttons will be towards the working side of the brake. Repeat Step 1 for the other Leg Set. Be sure both ends of the Snap Stand are going the same direction (with the snap buttons on the same side). See Figure 2 above.

STEP 3

Place the brake on the assembled Snap Stand with the Back Rail of the brake clearing the adaptor hook as shown in Figures 3A and 3B above.



The snap button will be covered by the fixed hinge of the brake as in Figure 3C above.



STEP 4

Push the brake firmly rearward into the adaptor hooks. The snap buttons by the front clips will pop up and secure the brake on the Snap Stand. See Figure 4 above. The brake is now ready for use.

Removing the Brake:

1. Removing the brake from the Snap Stand is essentially the opposite of attaching it to the stand.
2. Lifting the Moving Hinge, depress the snap button and pull the brake forward far enough to hold each snap button down.
3. Be sure the box rail is out of the Rear Clip. The brake can now be removed from the stand.
4. Reverse Steps 2 and 1 to disassemble the stand for transport.

PRO50 Care and Maintenance

Items Needed

- Clean Cloth
- WD-40® or equivalent
- Phillips Head Screw Driver

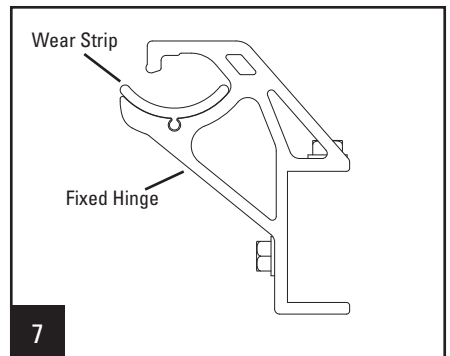
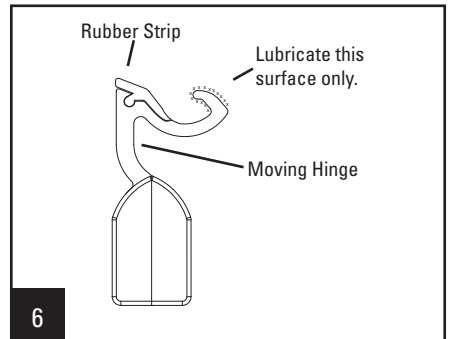
Wear Strip and Rubber Strip

- Use a Phillips head screw driver to loosen the screw enough to allow the Endcap to be removed by sliding it off of the screw (see Figures 1 & 2).
- With the Endcap removed, slide the Moving Hinge out of the Fixed Hinge exposing the Wear Strip and Rubber Strip on the Fixed and Moving Hinges (see Figure 3 & 4).
- At this time WD-40® or equivalent should be used on cleaned Moving Hinge and Wear Strips surfaces to reduce wear and friction. (see Figures 5 & 6)
- Return the Moving Hinge to the working position and repeat steps 1 thru 5, sliding the fixed hinge in the opposite direction.
- Slide Moving Hinge back into working position.
- Reattach Endcaps



Clamping Surfaces

- Clean Clamping Surface each day before using. Use only clean shop towels that are free of dirt, oil and metal chips.
- Do not use your brake around saw tables as the cuttings may get in between clamping surfaces or hinges and cause excessive wear or material scratching.
- If material is getting scratched, examine the Stainless Bending Edge, Fixed Hinge, or Moving Hinge for roughness or burrs. Remove burrs with emery cloth or replace excessively worn parts.



Transportation

- The brake should be transported in the unlocked position unless a piece of cardboard or vinyl siding is clamped between the clamping surfaces.

Handle Instructions

1. To remove handle from carrying position pull fastpin, slide handle, then pull out.



2. Retract plastic sleeve.



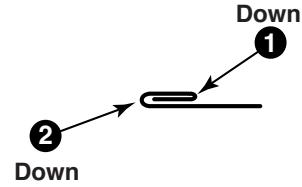
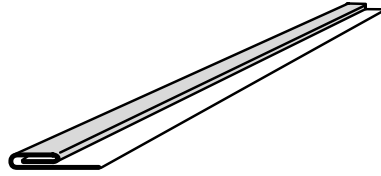
3. Capture the frame of the hinge then release plastic sleeve.



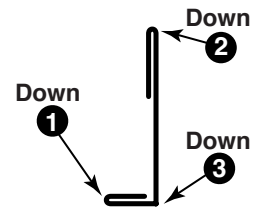
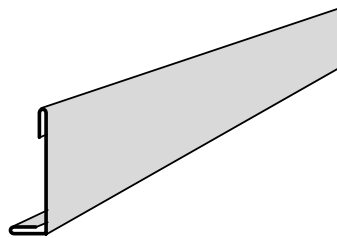
Common Shapes

NOTE: UP & DOWN refers to the clad, painted or FINISH SIDE of the material as it is placed into the Brake.

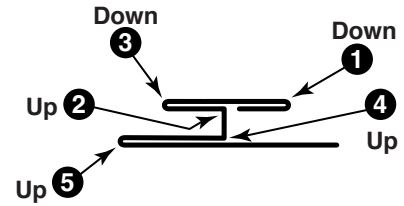
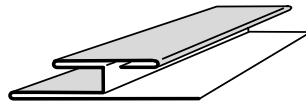
1. All Purpose Sill Trim



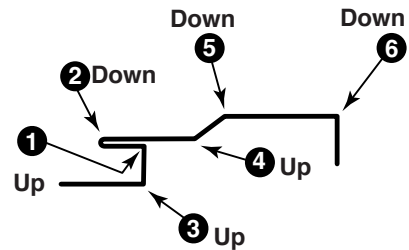
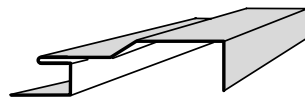
2. Fascia Trim



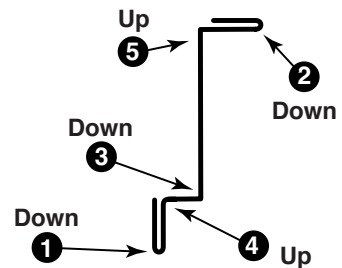
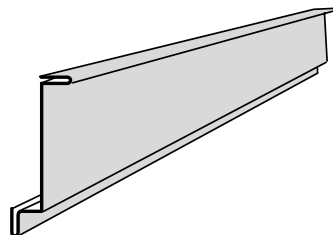
3. One Piece Soffit Mitre



4. Rake Trim with "J" Channel

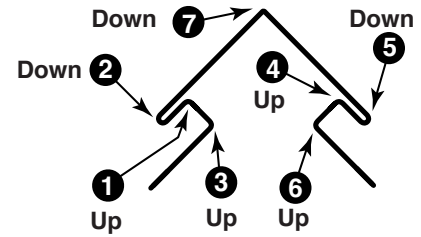
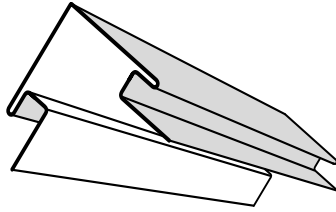


5. Soffit or Frieze Trim

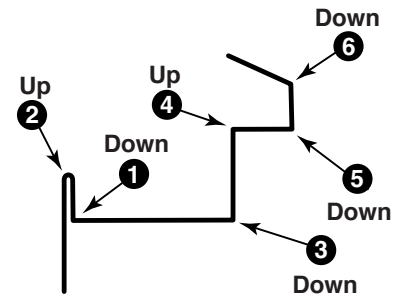
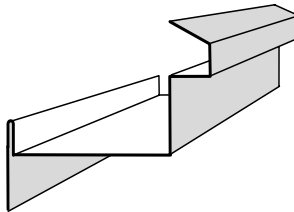


Common Shapes

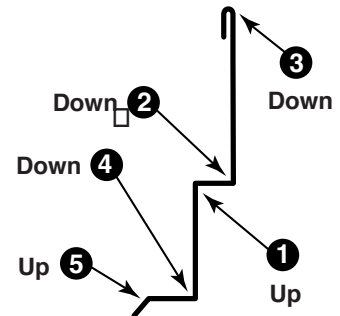
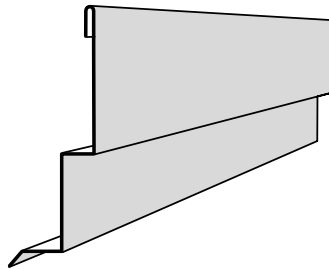
6. One-Piece Outside Corner



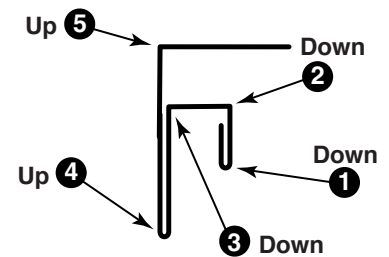
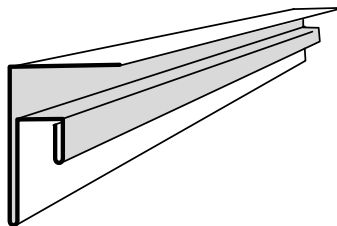
7. Counter Flashing



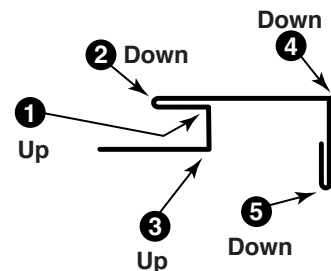
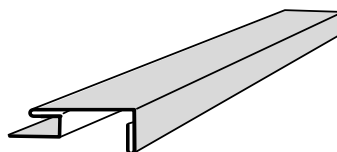
8. Brick Frieze



9. "F" Channel/Inside Corner



10. Window or Door Casing with "J" Channel





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