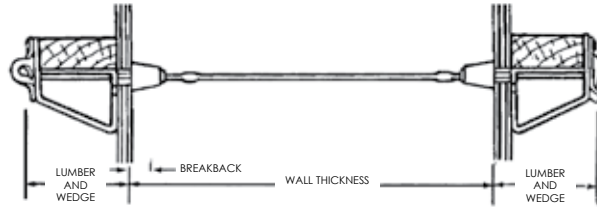




# SNAPTIES

M A S C O . N E T

TIEING/HANDSET



## Wrench Head

The five sided snaptie is produced with a high quality, uniform shaped hot forged head. This five sided head permits break back of ties while the formwork is still in place. The tie uses a 1"x1" plastic cone to provide a nominal 1" break back. Use a 5 point socket wrench to break back. After ties are broke-off, then the forms can easily be removed which greatly increases the speed of stripping resulting in significant labor savings. Masons cannot guarantee that ends longer than 4-3/4" will consistently breakback. Standard Snapties provide a safe working load of 2,250 lbs. Adequate end clamps are required to develop safe working loads. 100 pieces per carton.

## Standard Plastic Cone (PC)

Standard Snapties are manufactured from medium high carbon wire and 1"x1" plastic spreader cone providing a nominal 1" breakback. 1-3/16" end uses 3/4" plywood and wedge. 1-5/8" end uses 1-1/8" plywood and wedge. 4-3/4" end uses 3/4" plywood, 2x4 walers and wedge. 5-1/8" end uses 1-1/8" plywood, 2x4 walers and wedge. 8-1/4" end uses 3/4" plywood, 2x4 walers, 2x4 strongback for formwork alignment and wedge. Special ends available on request. Standard Snapties provide a safe working load of 2,250 lbs. Adequate end clamps are required to develop safe working loads. 100 pieces per carton.

No.	Size	Wt/Ctn (lbs)
CFT 6SEP	6"x 4-3/4"	24.0
CFT 8SEP	8"x 4-3/4"	26.0
CFT 10SEP	10"x 4-3/4"	28.0
CFT 12SEP	12"x 4-3/4"	31.0
CFT 6LEP	6"x 8-1/4"	32.0
CFT 8LEP	8"x 8-1/4"	34.0
CFT 10LEP	10"x 8-1/4"	37.0
CFT 12LEP	12"x 8-1/4"	39.0
Other sizes available on request.		

No.	Size	Wt/Ctn (lbs)
CT 61316PC	6"x1-3/16"	22.5
CT 6158PC	6"x1-5/8"	22.5
CT 6SE	6"x4-3/4"	23.5
CT 65PC	6"x5-1/8"	25.0
CT 6LE	6"x8-1/4"	32.0
CT 81316PC	8"x1-3/16"	25.0
CT 8158PC	8"x1-5/8"	25.0
CT 8SE	8"x4-3/4"	26.0
CT 85PC	8"x5-1/8"	27.0
CT 8LE	8"x8-1/4"	34.0
CT 101316PC	10"x1-3/16"	30.0
CT 10158PC	10"x1-5/8"	30.0
CT 10SE	10"x4-3/4"	28.0
CT 105PC	10"x5-1/8"	29.0
CT 10LE	10"x8-1/4"	37.0
CT 121316PC	12"x1-3/16"	30.0
CT 12158PC	12"x1-5/8"	30.0
CT 12SE	12"x4-3/4"	31.0
CT 125PC	12"x5-1/8"	32.0
CT 12LE	12"x8-1/4"	39.0
MST 14SE	14"x4-3/4"	33.0
MST 14LE	14"x8-1/4"	41.0
MST 16SE	16"x4-3/4"	35.0
MST 16LE	16"x8-1/4"	43.0
MST 18SE	16"x4-3/4"	38.0
MST 18LE	18"x8-1/4"	46.0
MST 20SE	20"x4-3/4"	40.0
MST 20LE	20"x8-1/4"	48.0
MST 22SE	22"x4-3/4"	42.0
MST 22LE	22"x8-1/4"	50.0
MST 24SE	24"x4-3/4"	44.0
MST 24LE	24"x8-1/4"	53.0
MST 30SE	30"x4-3/4"	51.0
MST 30LE	30"x8-1/4"	59.0
MST 36SE	36"x4-3/4"	58.0
MST 36L	36"x8-1/4"	66.0
Other sizes available on request.		

## Optional Waterseal Washer

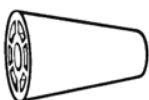
Optional Waterseal Washers provide a tight fitting 3/4" diameter neoprene washer located near the center of the tie. This helps eliminate water seepage along the tie by breaking the surface continuity of the wire. Available on request.



## Plastic cones

Plastic Cones are recommended when specifications require a nominal 1" or 1-1/2" breakback. Plastic cone sizes other than listed are available on special order.

No.	Diameter Size	Length	Wt (lbs)
MFG 1CONE	1"	1"	.09
MFG 114CONE	1-1/4"	1-1/2"	.018

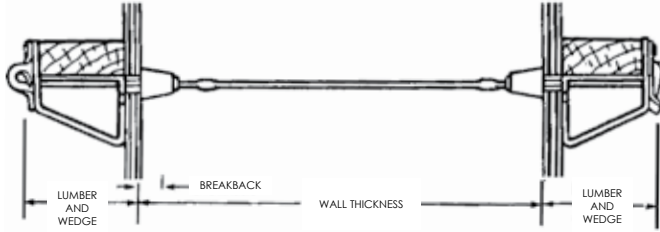


SWL provides a factor of safety of approximately 2 to 1.

# SNAPTIES



## TIEING/HANDSET



### Heavy Duty

Heavy Duty Snapties are manufactured from high carbon wire with a 1x1 plastic spreader cones providing a nominal 1" breakback. Available in long and short end, special ends available upon request. Heavy Snapties provide a safe working load of 3,125 lbs. Adequate end clamps are required to develop safe working loads.

Available on request.

### Custom Manufacturing

Masons own manufacturing capabilities allow fast availability of any snaptie up to 144" overall length. Special sizes for battered walls and different ends to allow different forming methods on each side fo the wall. Can be furnished without cones for pass through ties.

For special requirements give us a call.



### Vinyl Sleeve

1/2" diameter x 2" long vinyl plastic sleeve, nominal 1" breakback. For use with formliner. The length of the sleeve seals against leakage and also leaves a smaller hole after stripping to be patched. Provide a safe working load of 2,250 lbs. Adequate end clamps are required to develop safe working load.

Available on request.



### Fixed Metal Washer (FW)

Fixed metal washers are available in standard capacity. Breakback of fixed washer is 1/4". 1-3/16" end uses 3/4" plywood and wedge. 1-5/8" end uses 1-1/8" plywood and wedge. Fixed Metal Washers provide a safe working load of 2,250 lbs. Adequate end clamps are required to develop safe working load. 100 pieces per carton.

No.	Size	Wt/Ctn (lbs)
CT 61316FW	6"x1-3/16"	18.0
CT 81316FW	8"x1-3/16"	21.0
CT 101316FW	10"x1-3/16"	23.0
CT 121316FW	12"x1-3/16"	26.0
CT 6158FW	6"x1-5/8"	19.0
CT 8158FW	8"x1-5/8"	22.0
CT 10158FW	10"x1-5/8"	27.0
CT 12158FW	12"x1-5/8"	32.0

Other sizes available on request.



### Clip On Waterstop

Easy placement. Can be attached before or after the snaptie is installed. One touch attachment. Expands by water contact.

No.	Wt/Ctn (lbs)
ADE CRING8	.015



SWL provides a factor of safety of approximately 2 to 1.

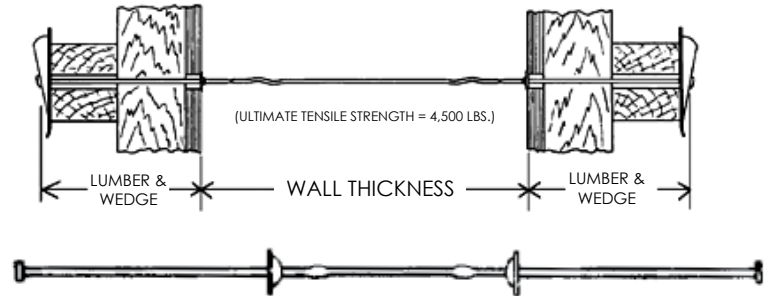


# SNAPTIES

## TIING/HANDSET

### Cupped Loose Washer (CW)

Loose washer snapties are available in standard capacity. Breakbacks of loose washer are 1/4". 1-3/16" end uses 3/4" plywood and wedge. 1-5/8" end uses 1-1/8" plywood and wedge. 4-3/4" end uses 3/4" plywood, 2x4 waler and wedge. 5-1/8" end uses 1-1/8" plywood, 2x4 waler and wedge. 8-1/4" end uses 3/4" plywood 2x4 waler, 2x4 strongback for formwork alignment and wedge. Cupped loose washers provide a safe working load of 2,250 lbs. Adequate end clamps are required to develop safe working load. 100 pieces per carton.



No.	Size	Wt/Ctn (lbs)
CT 61316CW	6"x1-3/16"	18.0
CT 81316CW	8"x1-3/16"	21.0
CT 101316CW	10"x1-3/16"	23.0
CT 121316CW	12"x1-3/16"	26.0
CT 6158CW	6"x1-5/8"	19.0
CT 8158CW	8"x1-5/8"	22.0
CT 10158CW	10"x1-5/8"	27.0
CT 12158CW	12"x1-5/8"	32.0
CT 65CW	6"x5-1/8"	25.0
CT 85CW	8"x5-1/8"	27.0
CT 105CW	10"x5-1/8"	29.0
CT 125CW	12"x5-1/8"	32.0
CT 6SECW	6"x4-3/4"	24.0
CT 8SECW	8"x4-3/4"	26.0
CT 10SECW	10"x4-3/4"	28.0
CT 12SECW	12"x4-3/4"	31.0
CT 6STCW	6"x8-1/4"	32.0
CT 8STCW	8"x8-1/4"	34.0
CT 10STCW	10"x8-1/4"	36.0
CT 12STCW	12"x8-1/4"	39.0

Other sizes available on request.

### SNAPTIE PRECAUTIONS

1. Do not climb on ties in the forms.
2. Do not over hammer the wedges at the tie ends. Can cause pinching of the tie head and severe pre-loading.
3. Do not place concrete in one area of form, letting it build up in height exceeding the design pour rate.
4. Do not move concrete laterally by means of the vibrator.
5. Do not drop concrete in excess of 30" into wall forms. This will result in aggregate segregation and unnecessary, dangerous impact loading.
6. Do not allow concrete to build up behind plastic cone or metal washer.
7. Do not install bent or visibly damaged ties.
8. Do not allow ties to remain on the wall beyond 2 to 5 days. Remove snap portion as soon as reasonably possible.
9. Do not skip or omit any studs or walers, as this will likely cause a form failure.
10. Do not weld ties to any object.
11. Snapties are not designed to carry scaffold bracket loads.

SWL provides a factor of safety of approximately 2 to 1.

# SNAPTIES



## TIING/HANDSET

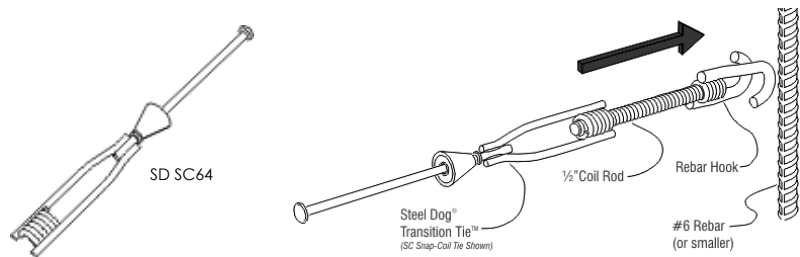
### Snap-Coil™ Tie

A multipurpose tie for job-built form systems. Standard button head snap tie on one end and a 1/2" coil rod adapter on the other. Snaps off like normal tie. A low cost solution for one-sided forming and adjustable-length ties. Welded to rigorous standards using computer-controlled equipment: each tie is as strong as a standard snaptie. Standard 2250 lbs Safe Working Load

Just like Loop-Coil Ties, Snap-Coil Ties can be used with 1/2" coil rod to make adjustable ties or to anchor into existing walls for one-sided walls. Here, Snap-Coil Ties are used to form a one-sided, battered wall. The ties are threaded onto 1/2" coil rod stubs welded onto vertical sections of steel pipes left from previous grouting operation. For about the cost of a single coil tie, the ties give you the adjustability of a coil tie with the convenience of a disposable snap-tie end. Eliminates the labor and expense of coil bolts or other removable components.

Supplied with standard 1" cones and 1" breakback. Available in 4-3/4" end (SC-64) or 8-1/4" end (SC-68). Like all Transition Ties, the ties can also be used for making adjustable-length ties or used with Rebar Hooks for Stay-Form blind side walls and other applications. 100 pieces per carton.

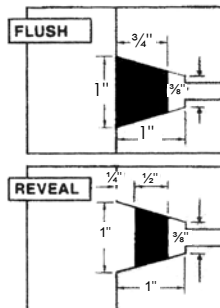
No.	Size	Wt (lbs)
SD SC64	4-3/4" end	.29
SD SC68	8-1/4" end	.33



### Concrete Plug

Concrete plugs are designed to be used with 1" x 1" snaptie cones. Once the plastic cone is removed, the concrete plug is dipped in an epoxy bonding agent and inserted into the cone-shaped opening. Concrete plugs are preferred over patching due to less labor and the elimination of possible patch shrinkage.

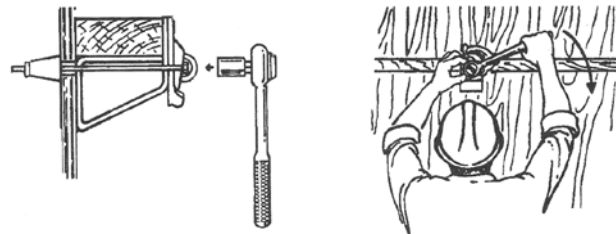
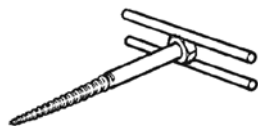
No.	Description	Wt (lbs)	Qty/Ctn
DS 1CONPL	Flush	0.03	500
DS 1CONR	Reveal	0.02	2,000



### Cone Removal Wrench

This "tee" handled wrench utilizes a lag screw thread for easy insertion and removal of snaptie cones which failed to remove themselves along with the tie end.

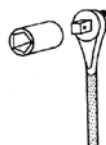
No.	Wt (lbs)
DS 44245	1.0



### Wrench Head Socket

The special socket wrench makes form stripping fast and easy. The socket fits securely over the five sided head. A quick half turn is all it takes to break the tie. Takes a 3/8" socket wrench.

No.	Wt (lbs)
CFT PW	1.0



### How to Break Back Wrench Head Ties:

1. Keep the tension on the tie and bracket.
2. Place a 3/8", 5 point socket and ratchet over the head of the tie.
3. Standing in front of the tie, hold the socket on the hex head with one hand and turn the ratchet with the other. A 1/4 to 1/2 turn of the ratchet will normally break the tie end.
4. Mason's cannot guarantee that ends longer than 4-3/4" will breakback consistently.

SWL provides a factor of safety of approximately 2 to 1.

# SNAPTIES

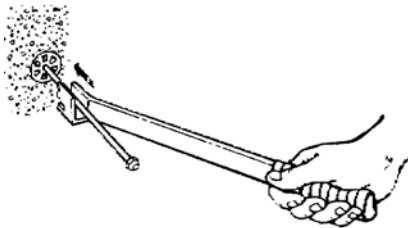
## TIEING/HANDSET

### Shank Wrench

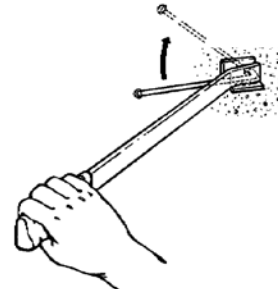
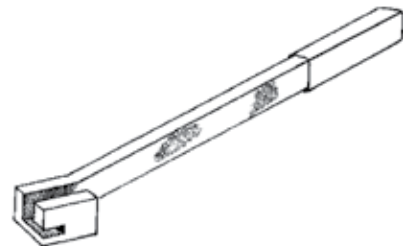
The wrench is designed to be applied to the tie at the concrete face after the form work has been removed using a bending and rotation movement to break off tie ends.

No.	Wt (lbs)
DS 30322	2.3

#### Using the Shank Wrench:



1. After the form has been removed, slide the wrench up the tie until the front of the wrench contacts the concrete.



2. Keep the wrench tight against the concrete and push the handle towards the concrete, thus bending the tie nearly 90°. Next, rotate the wrench around the centerline of the tie. 1/4 to 1/2 turn is usually sufficient to snap off the tie end.



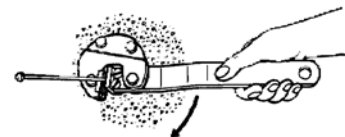
### Break Back Wrench

The Break Back Wrench is used to break off tie ends after the forms have been stripped. Apply the wrench to the tie so that the jaws grip the wire of the tie and the wrench is flush with the concrete face.

No.	Wt (lbs)
DS 30323	1.5

#### Important Tie Breaking Information:

1. For best results, ties should be broken off in two to five days after concrete placement.
2. Attempting to break the tie in "green" concrete may result in the tie rotating in the concrete. This makes it very difficult to break the tie with conventional methods.
3. For proper breakback strip forms, make sure that the spreader cone or washer is loose and the tie bead, which is located directly behind the washer, is free of the concrete.
4. When a tie will not break back or a spreader cone or washer is embedded in the concrete, use a hammer and screw driver to chip away the concrete to free the embedded part. Failure to follow this practice may result in the tie breaking near the face of the concrete instead of at the proper breakback point.



#### Using the Break Back Wrench:

1. Grip the tie with the jaws of the wrench, as close to the concrete as possible.
2. Rotate the wrench, usually 1/4 to 1/2 turn will snap off the tie end.