Loop-Coil™ Tie
One-Sided Forming Hardware

- Heavy-duty loop panel tie on one end--½” coil rod adapter on the other
- Replaces gang waler rods and coil ties
- Snaps off like normal loop panel tie
- Low cost solution for one-sided forming and adjustable-length ties
- Welded to rigorous standards using computer-controlled equipment: each LC is as strong as a standard heavy-duty panel tie

Ordering Information

<table>
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<tr>
<th></th>
<th>LC-4</th>
<th>LC-4C</th>
<th>LC-6</th>
<th>LC-6C</th>
<th>LC-9W</th>
<th>LC-7-2</th>
<th>LCT-7</th>
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<tr>
<td>Safe Working Load*</td>
<td>2800 lbs</td>
<td>2800 lbs</td>
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<td>2”</td>
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<td>Min. One-Sided Wall</td>
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<td>32 lbs</td>
<td>29 lbs</td>
<td>32 lbs</td>
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*Safe working load is based on a 2-to-1 Safety Factor

Adjustable-Length Ties

Make any-length ties on the job

Loop-Coil™ Ties allow you to make adjustable-length ties from off-the-shelf components. Use a single LC and re-useable gang waler rod for ties down to 4” length. Or, thread two back-to-back onto a length of standard ½” coil rod for adjustable-length ties for 8” walls and up.

Since LC’s are manufactured in a tightly-controlled process, you are assured of an adjustable long tie that is as strong as a standard heavy-duty panel tie (2800 lbs SWL). Don’t take chances on field-welded ties or other make-do measures.

Blind Side Walls

A universal tie for Stay-Form® walls

Form a blind side wall of any width by simply threading a Loop-Coil Tie and a Steel Dog® Rebar Hook onto a length of ½” coil rod. This fast way of connecting to the rebar studs used to back up Stay-Form panels eliminates mostly, labor-intensive, custom-made hook ties.

One-Sided Forming

One-sided forming made easy

Loop-Coil Ties provide a convenient way to do one-sided forming. Secure lengths of ½” coil rod into drilled holes in existing wall with drop-in anchors, rock anchors, epoxy, or other means. Then screw on Loop-Coil™ Ties to proper wall thickness and attach to modular forming panels.

Other standard ½” coil rod hardware (toggle bolts, plate washers and nuts, etc.) can be used to secure to sheet piling, plywood, or other materials.

Ideal for:
- Battered walls
- Pilasters
- Machine/tower/tank bases
- Pile caps
- Pre-cast parts

steel-dog.com
Determining Length of Coil Rod

**Single Adjustable**

Use a gang waler rod ("Plylag") and an LC to make adjustable-length ties down to 4". Subtract coil rod setback from wall thickness, then choose closest standard plylag length.

**Back-to-Back Adjustable**

Take the desired wall thickness and subtract twice the setback to get the median length of coil rod. This will give a total range of adjustment of ±2 inches for LC-6 and LC-7-2 (±1/4 inch for LC-4.)

**Stay-Form® Blind Side Wall with Rebar Hook**

Take the desired wall thickness and subtract the setback for the selected LC. Consult Stay-Form® literature for proper tie and rebar spacing.

**One-Sided Ties**

Add the rod depth to the wall thickness, then subtract the coil rod setback to determine length of coil rod in middle of adjustment range.

**CAUTION**

! DO NOT EXCEED THE SAFE WORKING LOAD (2800lbs.)
! DO NOT BEND OR HAMMER ON ANY PART OF THE TIE. DISCARD ANY PARTS WHICH HAVE BEEN BENT OR DEFORMED IN INSTALLATION.
! BE SURE THAT THE THREADDED ELEMENT EXTENDS AT LEAST ½" BEYOND COIL (SEE DIAGRAM).
! ADJUST EACH TIE TO PROPER LENGTH TO ENSURE EVEN DISTRIBUTION OF LOAD

ONE-SIDED FORMING:

! MAKE SURE YOU UNDERSTAND THE FORCES INVOLVED. IT IS THE RESPONSIBILITY OF THE USER TO ENSURE ADEQUATE ANCHORAGE TO EXISTING WALL.