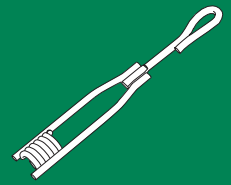




Loop-Coil™ Tie

One-Sided Forming Hardware



LC-6 Loop-Coil™ Tie

MADE IN USA



- 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

	Standard						Turnbuckle Ties	
	LC-4	LC-4C	LC-6	LC-6C	LC-7-2	LC-9W	LCT-7	LCT-7BXX
Product Code	LC-4	LC-4C	LC-6	LC-6C	LC-7-2	LC-9W	LCT-7	LCT-7BXX
Safe Working Load*	2800 lbs	2800 lbs	2800 lbs	2800 lbs	2800 lbs	2800 lbs	2800 lbs	2800 lbs
Break-back	1"	1"	1"	1"	2"	1"	1"	1"
Min. One-Sided Wall	4"	4"	6"	6"	7"	9"	7"	7"
Box Quantity	100	100	100	100	100	100	100	100
Box Weight	22 lbs	23 lbs	28 lbs	28 lbs	29 lbs	32 lbs	32 lbs	32 lbs

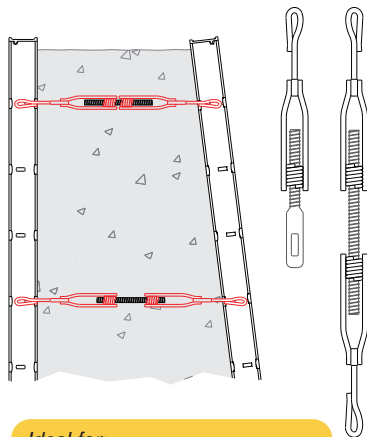
*Safe working load is based on a 2-to-1 Safety Factor

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.

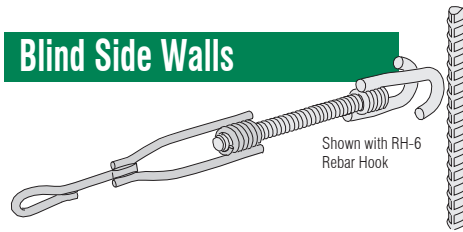
Since LC's are manufactured in a tightly-controlled process, you are assured of an adjustable long tie that is as strong as a standard heavy-duty panel tie (2800 lbs SWL). Don't take chances on field-welded ties or other make-do measures.



Ideal for:

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

Blind Side Walls

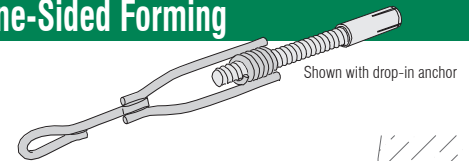


A universal tie for Stay-Form® walls

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.



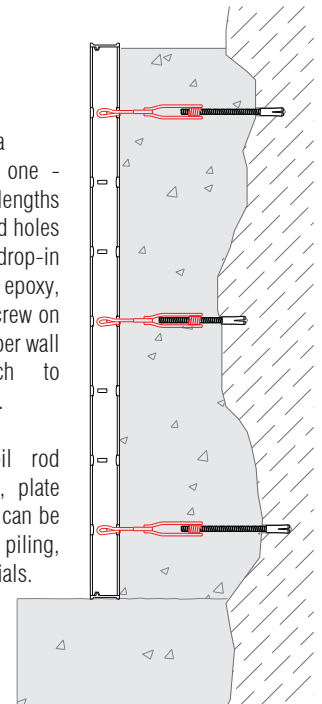
One-Sided Forming



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.



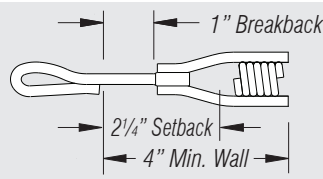
- Form walls as thin as 4" (with LC-4)
- No time-consuming cranking-out of Plylags after stripping.
- Leaves minimal mark in surface of wall

steel-dog.com

Available in Three Sizes:

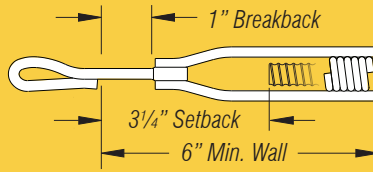
LC-4

Very limited adjustment range
1" breakback
Use only if LC-6 is too long for your application



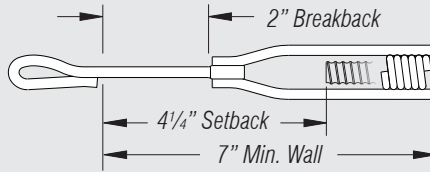
LC-6

STANDARD VERSION
1" breakback
2" adjustment range



LC-7-2

2" breakback
2" 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 THREADED ELEMENT EXTENDS AT LEAST 1/2" 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.

Determining Length of Coil Rod

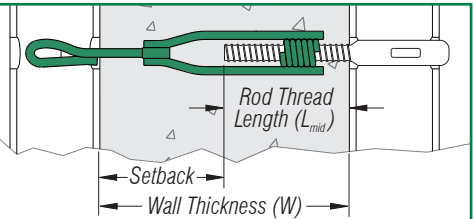
Single Adjustable

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

$$LC-4: L_{mid} = W - 2\frac{1}{4}"$$

$$LC-6: L_{mid} = W - 3\frac{1}{4}"$$

$$LC-7-2: L_{mid} = W - 4\frac{1}{4}"$$



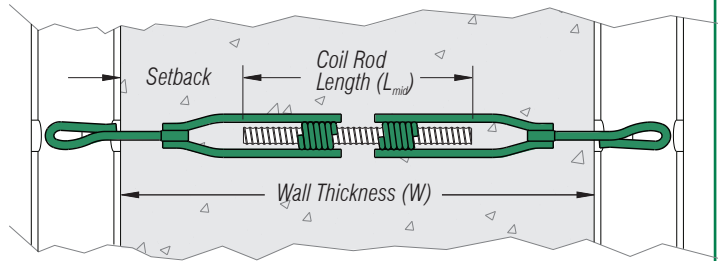
Back-to-Back Adjustable

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.)

$$LC-4: L_{mid} = W - 4\frac{1}{2}"$$

$$LC-6: L_{mid} = W - 6\frac{1}{2}"$$

$$LC-7-2: L_{mid} = W - 8\frac{1}{2}"$$



Stay-Form® Blind Side Wall with Rebar Hook

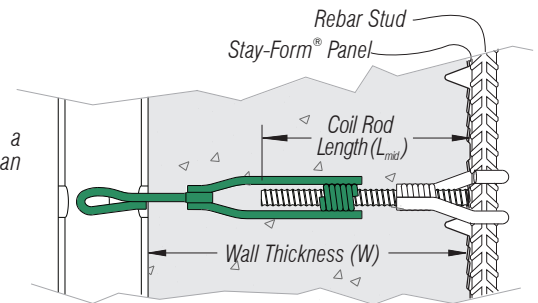
Take the desired wall thickness and subtract the setback for the selected LC. Consult Stay-Form® literature for proper tie and rebar spacing.

$$LC-4: L_{mid} = W - 2\frac{1}{4}"$$

$$LC-6: L_{mid} = W - 3\frac{1}{4}"$$

$$LC-7-2: L_{mid} = W - 4\frac{1}{4}"$$

NOTE: Rebar Hook has a different load rating than Loop-Coil Ties.



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.

$$LC-4: L_{mid} = (W + D) - 2\frac{1}{4}"$$

$$LC-6: L_{mid} = (W + D) - 3\frac{1}{4}"$$

$$LC-7-2: L_{mid} = (W + D) - 4\frac{1}{4}"$$

NOTE: Follow manufacturer's recommendations for proper installation of anchor.

