Adjustable Loop-Coil Tie
Make adjustments to tie with loop end wedge-bolted in place

Steel Dog® Turnbuckle Loop-Coil™ Ties provide a first in the concrete forming industry: a way to adjust the length of a tie after it is in place and attached to the formwork. Like the industry-standard LC Loop-Coil Ties, LCT Turnbuckle ties provide a convenient connection between Steel Ply formwork and 1/2” coil rod, for one-sided forming, adjustable-length ties, blind-side forming, etc.

FEATURES:
- Threads onto standard ½” coil rod
- Special swivel design allows for infinitely fine adjustment of tie length—while loop end is wedge-bolted in place on forms
- Heavy-duty loop tie load rating

MATERIAL: Carbon steel. Stainless steel loop tie end available.

FINISH: None. Electroplated zinc finish available

MAXIMUM SAFE WORKING LOAD: 2800 Lbs. (2-to-1 safety factor)

Ordering Information

<table>
<thead>
<tr>
<th>Product Code</th>
<th>LCT-5</th>
<th>LCT-7</th>
<th>LCT-8-2</th>
<th>LCT-XX</th>
<th>LCT-XA</th>
<th>LCT-XB</th>
</tr>
</thead>
<tbody>
<tr>
<td>Safe Working Load*</td>
<td>2800 lbs</td>
<td>2800 lbs</td>
<td>2800 lbs</td>
<td>2800 lbs</td>
<td>2800 lbs</td>
<td>2800 lbs</td>
</tr>
<tr>
<td>Break-back</td>
<td>1”</td>
<td>1”</td>
<td>2”</td>
<td>1”</td>
<td>1”</td>
<td>1”</td>
</tr>
<tr>
<td>Min. One-Sided Wall</td>
<td>5”</td>
<td>7”</td>
<td>8”</td>
<td>7 to 600”</td>
<td>7”</td>
<td>7”</td>
</tr>
<tr>
<td>Adjustment Range</td>
<td>¼”</td>
<td>2¼”</td>
<td>2¼”</td>
<td>2¼”</td>
<td>2¼”</td>
<td>2¼”</td>
</tr>
<tr>
<td>Coil Rod Setback</td>
<td>3.25”</td>
<td>4.5”</td>
<td>5.5”</td>
<td>4”</td>
<td>4”</td>
<td>4”</td>
</tr>
<tr>
<td>Box Quantity</td>
<td>100</td>
<td>100</td>
<td>100</td>
<td>100</td>
<td>100</td>
<td>100</td>
</tr>
<tr>
<td>Box Weight</td>
<td>26 lbs</td>
<td>32 lbs</td>
<td>33 lbs</td>
<td>32 lbs</td>
<td>32 lbs</td>
<td>32 lbs</td>
</tr>
</tbody>
</table>

*Approximately 2-to-1 Safety Factor

Optional cone or waterseal

Loop Tie end: Fits modular, steel-frame form panels, such as Steel Ply®

Coil Tie end: Fits ½” coil rod (1½”-13 NC machine threads also available).

steel-dog.com

Version 20181008

Applications

ONE-SIDED FORMING

EXISTING WALL

Turnbuckle Loop-Coil™ Ties provide a simple and low-cost solution for securing formwork to existing structures for one-sided forming. They can eliminate additional hardware and labor over other methods.

Typical Existing Walls

- Concrete
- Wood Lagging
- Brick
- Sheet piling
- Hollow concrete block
- Rock

ANCHORING MEANS

Depending on the existing wall material and the design tie loads, the threaded rod may be secured with:

- Drop-in anchors
- Epoxy
- Steel Dog® Coil-Lags™
- Steel Dog® Coil-Studs™
- Steel Dog® Rebar Hooks
- Pivot brackets
- Plate washers and nuts
- Toggle ties

BLIND SIDE WALLS

Steel Dog® Turnbuckle Loop-Coil™ Ties and Rebar Hooks provide a fast and low-cost way to use Stay-Form® stay-in-place expanded metal mesh to form blind side walls (where clearances on one side are too tight to allow for removal of reusable forms).

SHORING INSIDE WALLS

Factory bent LCT-7B can be used to shore up formwork from inside the wall when used with an AnchorBar™ (AB-4).

Complete One-sided Forming Solutions

Whatever You’re Up Against

The Steel Dog® Turnbuckle Loop-Coil Tie™ is only one of a system of off-the-shelf, interchangeable forming components using industry-standard ½” coil rod as the threaded element. Whatever your form system, and whatever you’re up against, Steel Dog has a solution.

CAUTION

- IT IS THE RESPONSIBILITY OF THE USER TO ENSURE ADEQUATE ANCHORAGE TO EXISTING WALL. FOLLOW ANCHOR MFR’S INSTRUCTIONS
- USE NARROWER PANELS OR OTHER TECHNIQUES TO DECREASE TIE SPACING IF UNSURE OF ANCHORAGE
- KNOW YOUR TIE LOADS
- DO NOT EXCEED THE SAFE WORKING LOAD (2800 LBS.)

ONE-SIDED FORMING:

- COIL WELD ANGLE BRACKETS ARE RATED TO CARRY A SPECIFIC LOAD; THE FIELD WELDS YOU MAKE MUST CARRY NO LESS. MAKE SURE YOU UNDERSTAND THE FORCES INVOLVED. IT IS THE RESPONSIBILITY OF THE USER TO ENSURE ADEQUATE ANCHORAGE TO EXISTING WALL
- ALWAYS CALCULATE TIE LOADS BASED ON POUR RATE, TEMPERATURE, TIE SPACING, ETC., AND DO NOT EXCEED MAXIMUM POUR RATE NEEDED TO KEEP TIE LOADS BELOW SAFE WORKING LOAD