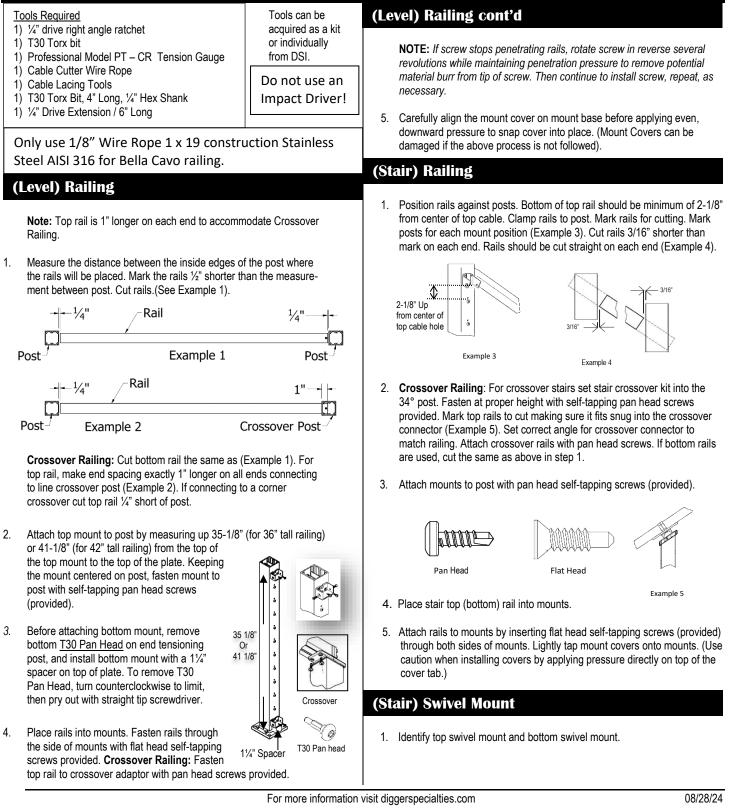


(Style C91)

Installation Instructions

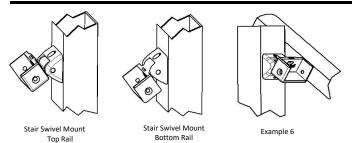
- It is the responsibility of the installer to meet all code and safety requirements, and to obtain all required building permits. The installer should
 determine and implement the installation techniques appropriate for each unique installation situation. Digger Specialties, Inc. and its distributors
 shall not be held liable for improper or unsafe installations.
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(Style C91) Installation Instructions

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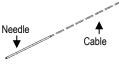
2. When installing bottom rail, lay (with approximately 1" clearance from the nose of the steps) beside the posts. Clamp rails to post. Hold swivel stair mounts up against posts and beside the rail to determine where rails are to be cut to fit inside the swivel stair mounts. Mark posts for each stair swivel mount position (Example 6).

NOTE: This will vary depending on the angle of the stairs. Cut rails. Cut top rail at same length as bottom rail unless using crossover application.

- Attach top swivel mount base to post using pan head self-tapping 3. screws (provided)
- Attach rails to mounts using flat head self-tapping screws (provided) 4 on each side of rail.

(Level) Cable

- Note: Max straight cable run is 100 feet. For each corner post reduce this by 10%. Example: Two tensioning posts plus one corner nontension post will be 90 feet. Max number of corners allowed with 90° angle is two. Max number with 45° angle is four.
- 1. Insert needle on the end of your cable. Start lacing the cable at 1st line post from end tensioning post. Work from bottom to top.



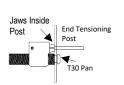
Angle Needle low

and allow to snap

to magnet

Needle

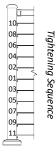
- 2. Lace cable through all line, corner & stair post with magnetic lacing tool. Angle needle low and allow to snap to magnet. Push/Pull the cable through the post guiding it out with needle. Remove needle from cable before inserting cable into end post. Note: For 21/2" x 4" post, a corner lacing tool will be required.
- Insert/secure cable into tensioning post. 3. Note: If the cable does not grip into jaws, they are not set properly. To properly set, slowly turn the T30 pan head counterclockwise until you reach the limit.



(Level) Cable cont'd

(Cable release position) Then, slowly rotate T30 pan head clockwise; stop when jaws move inside post. (Cable engagement position) Insert cable until it stops.

- 4. Go to the other end of cable and pull tight and place against the tension post. Mark wire 1" past post face and cut.
- Insert/secure cable as step 3 above. 5.
- 6. Repeat lacing all cables on post. Do not tighten cables, go to (Level) Spacer balusters before proceeding.
- 7. Start tightening cables. (See tightening Sequence) Use a right-angle ratchet with T30 bit or a standard drill driver set to a mid-level torgue setting. Tension cables slowly so as 10 not to over tighten. Torque can be adjusted as 08; needed to reach proper tension. No impact drivers. 06 Tighten (T30 pan head) to secure the cable, turning it 04 02 clockwise to tighten and counterclockwise to loosen. 01 The proper cable tension is 220 ± 20lbs. per cable. A 03 cable tension gauge is recommended. If additional 05 07 tightening is necessary, move to other tensioning 09 post. Do not over tighten.



Note: When tightening cable, ensure that you pull the cable taut at all corner non-tension posts. This will help maintain the proper tension throughout. You may need to trim the length of the cable if you cannot reach proper cable tension.

(Stair) Cable

- Beginning at lower end of stairs, lace top cable through stair line post(s) (If 1. applicable). Insert cable into jaws on upper end post.
- Place cable against the side of lower end post at cable hole and pull tight. 2. Mark 11/2" past post face. Cut cable and insert into jaws.
- 3. Repeat steps 1 & 2 all the way down the post. Go to (Stair) Spacer balusters before proceeding.
- Start tightening cables. (See tightening Sequence above) Use a right-4. angle ratchet with T30 bit or a standard drill driver set to a mid-level torque setting. Tension cables slowly so as not to over tighten. Torque can be adjusted as needed to reach proper tension. No impact drivers. Tighten (T30 pan head) to secure the cable, turning it clockwise to tighten and counterclockwise to loosen. The proper cable tension is 220 ± 20lbs. per cable. A cable tension gauge is recommended. If additional tightening is necessary, move to other tensioning post. Do not over tighten.

Note: If T30 pan heads are hard to get to with your drill, use an Allen wrench or right-angle ratchet.

For more information visit diggerspecialties.com



(Style C91)

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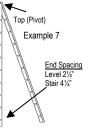
(Level) Spacer Baluster

1. Identify Spacer Baluster for level. Required for post spacing exceeding 4 ft. (Level has a shorter end spacing to holes. Open Baluster as shown in (Example 7).

Place Baluster over top cable and close

over all cables. See (Example 9) for Baluster and mount requirements. Space

Balusters evenly between post.

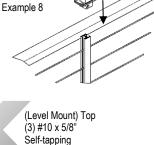


3. <u>With the cables loose</u>, pull baluster out and up from under top rail. Slide on top & bot mounts. (Example 8)

Note: Position level mounts so screws holes are facing toward deck. When installing a bottom rail, baluster will need to be cut.

Example 9

2.

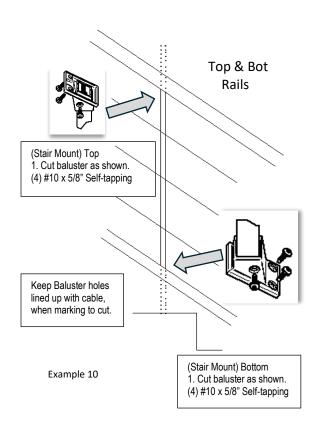


(Level Mount) Bottom Rail support required on 8ft rail.

(3) #10 x 5/8" Self-tapping

(Stair) Spacer Baluster cont'd

- Place Baluster up against rails, verify holes are lined up with cables. <u>Pivot</u> <u>should be to the bottom.</u> Mark top & bottom baluster with pencil and cut. Mark the pivot end after cutting, this will be the bottom of your baluster.
- 3. Place Baluster over cables and snap together over all cables. Keep the holes in the baluster lined up, since you have cut the pivot pin off. Baluster and mount requirements (Example 10) below.
- <u>With the cables loose</u>, pull baluster out and up from under top rail. Slide on top & bot mounts. (Example 8)



Please note: Begin by inserting screws into the top mount first. Then, Plumb the baluster and insert screws accordingly. Level mount screw holes should be facing inside toward stairs for ease of installing screws.

(Stair) Spacer Baluster

1. Identify Spacer Baluster for stair. Required for post spacing exceeding 4 ft. (Stair has longer end spacing to holes. See Example 7.

Please note: Begin by inserting screws into

the top mount first. Then, plumb baluster and

insert screws accordingly.

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Care and Cleaning

Warranty

Remove all particles and residue from Westbury aluminum components by referring to the Care and Cleaning requirements on the DSI website. Scan Below:

For product Warranty and Registration please scan below:



