



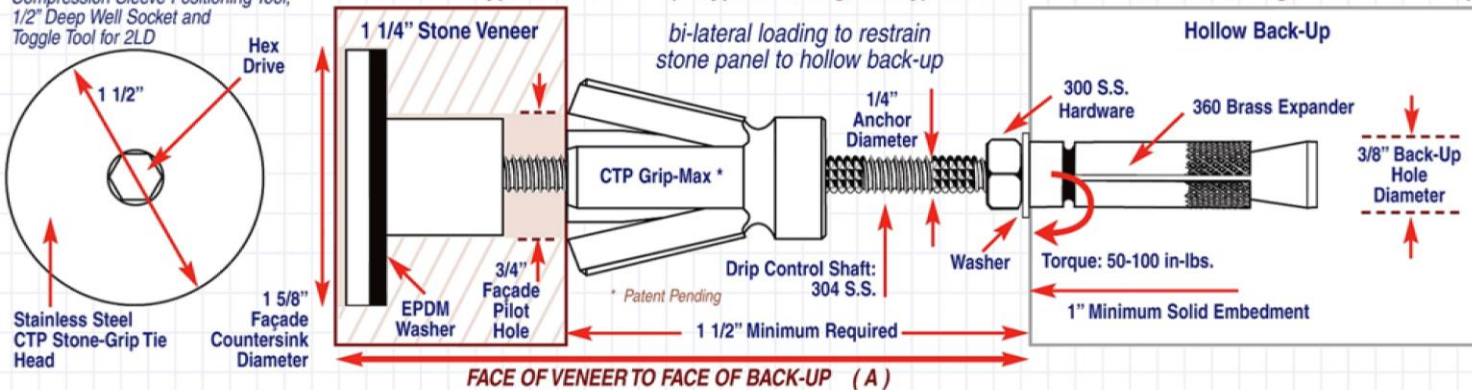
# CTP STONE-GRIP TIE 6100-2 & 2LD INSTALLATION INSTRUCTIONS



## CTP 6100-2 & 2LD SERIES ANCHOR INSTALLATION PROCEDURE AND CRITERIA TO RESTRAIN STONE PANEL TO HOLLOW BACK-UP

Requires CTP Hex Key, CTP 501 Setting Tool, Compression Sleeve Positioning Tool, 1/2" Deep Well Socket and Toggle Tool for 2LD

**Type 2 : Wind load (& Type 2LD : Light Duty) restraint for dual direction loading to hollow back-up.**



1. Locate anchor placement per specified location.
2. Drill 3/8" diameter hole thru the stone with a suitable "stone drilling" drill bit, without percussion.
3. Using a suitable 3/8" diameter quality carbide, drill a 3/8" hole into the solid back-up, on center with the 3/8" facade hole, 2" deeper than the max "A" dimension as measured from the face of the stone. Blow out drill fines.
4. On center with the 3/8" drilled hole, drill a 3/4" nominal hole through the stone facade. Counter-bore a 1-1/2" - 1-5/8" hole into the stone facade 3/8" - 1/2" deep from the face of the stone on center with the previous drilled holes.
5. Assemble anchor shaft with the CTP Grip-Max compression anchor or SS Toggle (located approximately 1" - 2" from the anchor shaft end) to the CTP-501 setting tool; slide assembly through the drilled holes until the expansion anchor bottoms in the back-up drilled hole; tighten by turning clockwise until 50 - 100 in-lbs of torque is reached; remove setting tool.
6. For the CTP Grip-Max: Using a 1/2" Deep Well socket and wrench, expand the "Compression Sleeve" by turning the hex nut plug 6 - 10 turns, remove socket.
- 7a. For the CTP Grip-Max: Using the twin tang "Compression Sleeve" positioning tool, slide prong of tool into the slot of the expanded sleeve until contact is made. Rotate counterclockwise the assembly until contact is made to the back of the stone veneer plus 1/4 turn; remove the positioning tool.
- 7b. For the toggle: Using the toggle positioning tool, slide tool into the channel section of sprung open TOGGLE until contact is made. Rotate toggle counterclockwise until contact is made to the back of the stone veneer plus 1/4 turn; remove the positioning tool.
8. Attach CTP Stone-Grip Tie head with EPDM washer to the anchor shaft using the 'T' handle hex wrench, rotate clockwise until the washer and head bottom out into the counter-bore, tighten 20 - 25 in-lbs; remove tool.
9. Installation complete, patch or conceal anchorage per specification requirements.

CATALOG #		A
CTP GRIP-MAX	CTP TOGGLE	
CTP-6144-2	CTP-6144-2LD	3" - 4"
CTP-6154-2	CTP-6154-2LD	4" - 5"
CTP-6164-2	CTP-6164-2LD	5" - 6"

OTHER LENGTHS AVAILABLE UPON REQUEST

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