

# INSTALLATION OF T1500080 WALL ANCHOR KIT

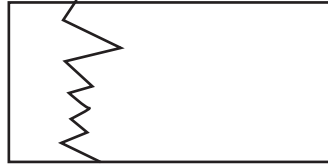
Working-Load Rating: 9,000 lb (40 kN)

First determine if you have settling or wall pushing:

Wall Pushing



Wall Settling



If crack is horizontal, wall pushing is occurring. If crack is vertical, settling is occurring. Both pushing and settling can occur together.

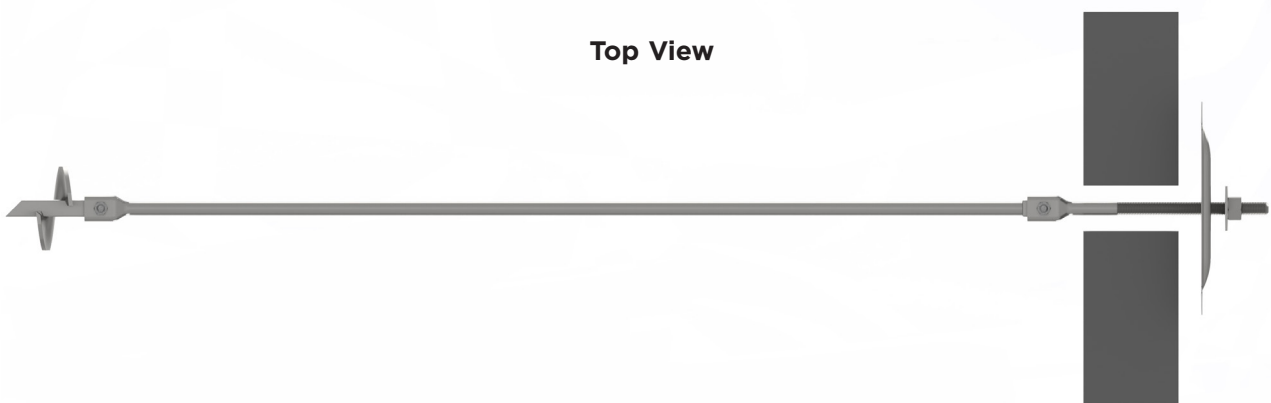
To stabilize wall settling, refer to CHANCE® Bulletin 01-8906.

Procedures to stabilize wall pushing:



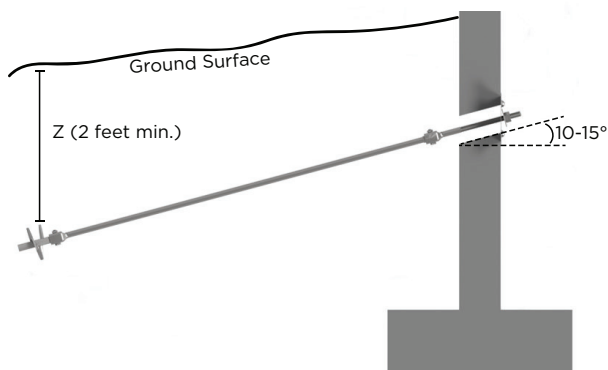
1. Placement of wall anchors should be determined by qualified personnel and shall be consistent with the anchors' working-load rating. To straighten wall immediately, the wall may need to be excavated from the outside prior to loading.
2. Drill 3" (76 mm) hole through foundation wall 1½ to 2 ft (460 mm to 610 mm) below outside ground level at a 10° to 15° angle below horizontal (see Side View, installed).
3. Excavate 12" (305 mm) (minimum) hole outside the foundation wall approximately 8" (200 mm) lower than the 3" (76 mm) hole in foundation.
4. Place wall anchor in excavated hole. Helix assembly should be placed in excavation with cross hole in wall anchor shaft closest to the wall
5. Put 7-ft (2.1 m) rod through 3" (76 mm) hole in basement wall from inside. Bolt rod and wall anchor together from outside.

Top View



6. Place anchor driver on rod. The torque bar should be on the left side of anchor being installed.
7. Apply pressure on anchor driver to start the helix into the ground. Drive anchor to minimum 1,400 ft-lb (1,900 N-m) torque adding extensions as necessary.
8. Once torque is reached, use a 3½-ft (1.07 m) extension to drive balance of rod through foundation until coupling is outside foundation wall. Remove extension and add threaded adapter. There should be approximately 3" (76 mm) of thread remaining on inside of wall. Bolt adapter to anchor rod from outside the foundation.
9. Add 20" (508 mm) plate, square washer and nut. Torque to 100 ft-lb (135 N-m). After initial tightening, remove nut, washer and bearing plate. Pack the hole with a sealant such as toilet bowl sealing wax and reinstall the plate washer and nut. Re-torque nut to 100 ft-lb (135 N-m). If wall is concrete, the plate should be placed horizontal. The structural integrity of the wall should be considered prior to loading the wall.

Side View/Installed



**Depth Z shall be greater than the active shrink-swell zone or maximum frost penetration, whichever is greater. Especially where ground surface is sloped, be sure to achieve depth Z requirement.**

## NOTICE

These warnings apply to installation by a hand-held anchor driver.

## ! WARNING

Before installing the anchor, determine location of all underground utilities (electric, gas, water, sewer lines, telephone, CATV, etc.) to prevent accidental anchor contact or puncture. Avoid contact with underground utilities. Contact between anchor and underground objects may result in serious injury, death and/or property damage. Anchors are electrically conductive.

## ! WARNING

Danger of crushing. Do not place anything between torque bar and the object restraining it. Failure to remove obstacles or personnel may result in serious injury, death and/or property damage.

## ! WARNING

Danger of crushing. Test the rotation of the torque bar. Be sure it will rotate in the direction of the restraining object.

## ! WARNING

Do not try to physically restrain the torque bar with body or body parts. An unmovable object must be used to restrain the bar from turning. Trying to manually restrain the bar may result in serious injury, death and/or property damage.

## ! WARNING

Do not load the wall unless the necessary structural considerations have been made. The maximum working torque rating for a 1¼" (32 mm) RR anchor is 2,300 ft.-lb (3,100 Nm).



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For product inquiries, please contact your local sales representative or customer service representative.

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