

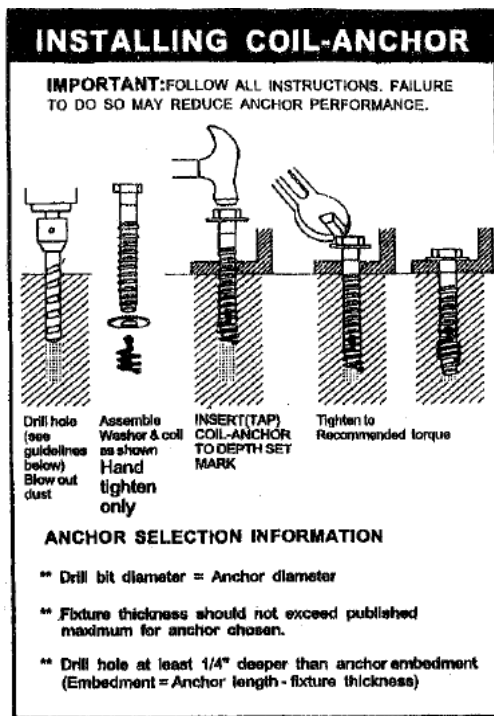


City Post SM **Installation Procedures**


- A)** The Hilti HCA Coil Anchor Bolts is the only tested & approved bolt for the City Post SM. Use of any other bolt will void any warranty associated with this product. 3" = Concrete 5" = Asphalt
- B) Tools Needed**
- SDS Hammer Drill
 - Suitable power source for the drill
 - Hilti 3/8" diameter Masonry drill bit (3/8-6 Part #435006) for concrete applications
 - Other 3/8" bits should be acceptable for asphalt
 - Air Source for cleaning holes and possibly powering impact wrench
 - Impact Wrench or socket set for tightening bolts
 - Hammer
- C) Positioning post for installation:**
There is no wrong or right position of the bolt holes as the post is cylindrical, it has been tested in all orientations and no performance differences can be found.
- Recommended practice – position the bolt holes so that two bolts on each side when lined up run parallel to flow of traffic. This will ensure future developments to the product line can be used with these holes.
 - Quick visual check the CITY POST logo on the base can be positioned at 0°, 90°, 180° or 270° to the flow of traffic for the recommended practice.
- D) HILTI - HCA Coil Anchor Bolts Installation**
- 1) Position the post assembly over the intended installation point.
 - 2) Carefully drill through one bolt hole to establish the first anchor point
 - 3) Drilling to a depth of 1/4" beyond the length of the bolt (3" bolt drill 3.25" deep, 5" bolt drill 5.25" deep)
 - 4) Remove drill bit from hole
 - 5) Using an air source clean out the hole
 - 6) Taking a bolt assembly, ensure the coil is on the tip; a washer is on the bolt then insert that through one of the openings on the base.
 - 7) Using a hammer tap the bolt/washer/coil assembly into the hole until it bottoms. It should stop about 1/4-3/4" above the base.
 - Make sure the tip of the coil makes contact with the bottom of the hole, if it does not it will not lock up and will pull right out.
 - 8) Tighten the bolt down with an impact wrench or socket wrench.
 - 9) Repeat steps 1 -5 for the remaining 3 bolts until all four bolts are installed.
- E) Important Notice To Purchaser**

The following is made in lieu of all warranties, expressed or implied, including the implied warranties of merchantability and fitness for purpose: Seller's and manufacturer's only obligation shall be to replace such quantity of the product proved to be defective. Before using, user shall determine the suitability of the product for its intended use, and user assumes all risk and liability whatsoever in connection therewith. Neither manufacturer nor seller shall be liable either in tort or in contract for any loss or damage, direct, incidental, or consequential, arising out of the use of or the inability to use the product.

HILTI's instructions - included in every box of bolts



HCA Hex Head



Description	Bit Dia	Min Coil Embedment	Max Fixture Thickness	Installation Torque ft.lb
HCA 1/4" x 1-3/4"	1/4"	1"	1/2"	10
HCA 1/4" x 2-1/2"	1/4"	1-1/4"	1"	10
HCA 1/4" x 3-1/2"	1/4"	1-1/4"	2"	10
HCA 3/8" x 2-1/2"	3/8"	1-5/8"	1/4"	40
HCA 3/8" x 3"	3/8"	2-3/8"	1/4"	40
HCA 3/8" x 4"	3/8"	2-3/8"	1-1/4"	40
HCA 3/8" x 5"	3/8"	2-3/8"	2-1/4"	40
HCA 1/2" x 3"	1/2"	2-1/8"	1/2"	80
HCA 1/2" x 4"	1/2"	3-1/8"	1/2"	80
HCA 1/2" x 5-1/2"	1/2"	4-1/8"	1"	80
HCA 1/2" x 7"	1/2"	3-5/8"	3"	80
HCA 5/8" x 3-1/2"	5/8"	2-3/8"	1/2"	130
HCA 5/8" x 5"	5/8"	3-7/8"	1/2"	130
HCA 5/8" x 8"	5/8"	3-7/8"	3-1/2"	130
HCA 3/4" x 4-1/2"	3/4"	3-1/4"	1/2"	180
HCA 3/4" x 6"	3/4"	4-1/2"	3/4"	180
HCA 3/4" x 10"	3/4"	4-3/4"	4-1/2"	180

The City Post SM base is 1/4" thick, per the Hilti instructions above that are included in every box, if you are using a 5" bolt.

Bolt Length = 5"
 Fixture thickness (City Post SM) = 1/4"
 Drill at least a 1/4" deeper than anchor embedment

FORUMULA 5" Bolt - 1/4" Base = 4 3/4" + at least 1/4" deeper = 5" minimum deep = recommended 5 1/4" depth.

DO NOT use the data on the HCA Hex Head as shown above. This table is not relevant to our installation procedures.