

PYTHON MT INSTALLATION GUIDE



MT 13 1/2" (340mm)



MT 9" (230mm)



MT 6 3/8" (160mm)



PYTHON Washer



INSTALLATION APPLICATIONS:

- TIMBER TO MASONRY
- TIMBER TO MASONRY WITH WASHER
- STEEL TO MASONRY
- UNGROUTED CONCRETE BLOCK
- NEW CONCRETE / SHOTCRETE STARTER BARS
- HOLLOW CLAY TERRACOTTA TILE

Note: this is not an exhaustive list of applications, if you're unsure about an application, please contact us at info@pythonfasteners.com.

TOOLS AND ACCESSORIES REQUIRED:

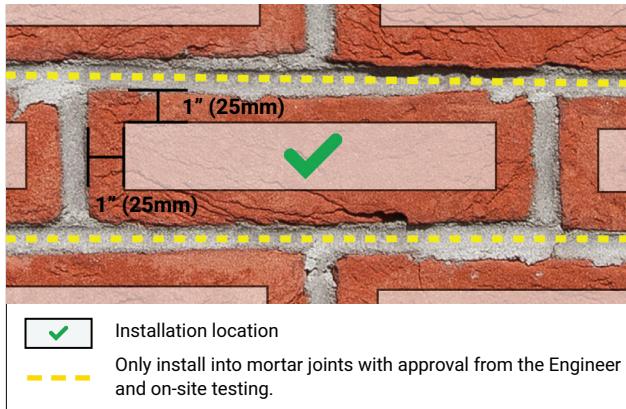
- T50 torx driver
- PYTHON 8mm masonry drill bit
- 5/16" (8mm) timber drill bit (for timber applications)
- Rotary drill
- Impact driver

Patent Pending

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PYTHON MT: TIMBER TO MASONRY



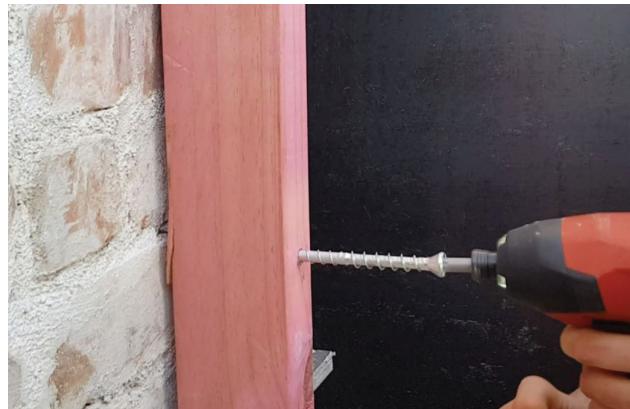
- 01 Mark the location for screw installation on the timber. Ensure the location is at least 1" (25mm) from the brick edge.



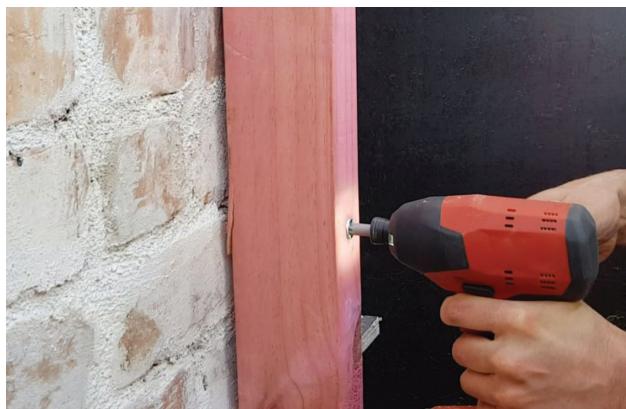
- 02 Drill a 5/16" (8mm) diameter hole through the timber with a timber drill bit.



- 03 Drill an 8mm diameter hole 1/2" (13mm) deeper than the intended screw embedment depth with a PYTHON masonry drill bit and rotary only drill.



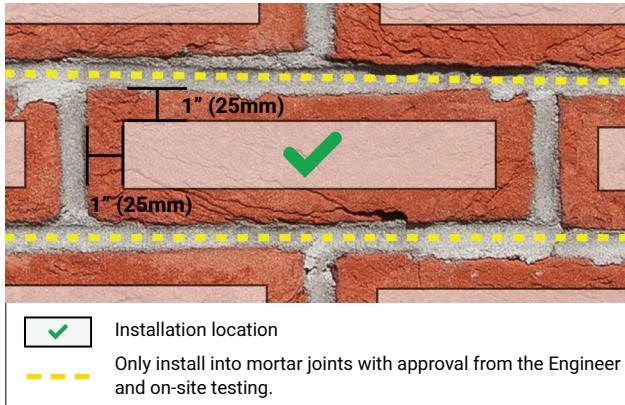
- 04 Install the PYTHON MT using a TORX T50 bit and impact driver.



- 05 Countersink the screw head for a smooth finish.

WARNING: Do not over-torque or countersink the head past flush.

PYTHON MT: TIMBER TO MASONRY WITH WASHER



- 01** Mark the location for screw installation on the timber. Ensure the location is at least 1" (25mm) from the brick edge.



- 03** Thread the PYTHON MT through the center of the PYTHON Washer.



- 05** PYTHON MT installed with washer.

WARNING: Do not over-torque.

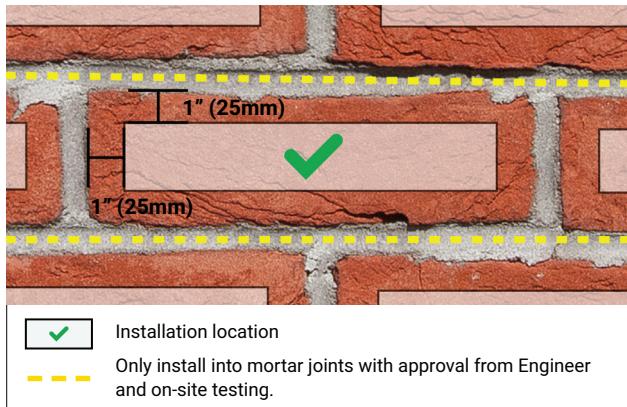


- 02** Drill an 8mm diameter hole 1/2" (13mm) deeper than the intended screw embedment depth with a PYTHON masonry drill bit and rotary only drill.



- 04** Install the PYTHON MT using a TORX T50 bit and impact driver.

PYTHON MT: STEEL TO MASONRY



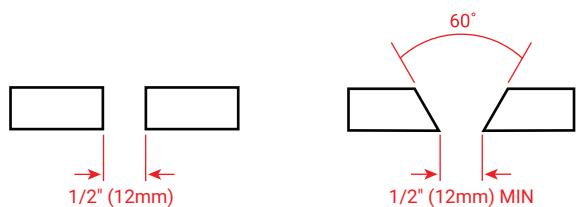
- 01** Mark the installation location on the brick. Ensure the location is at least 1" (25mm) from the brick edge.



- 03** Drill an 8mm diameter hole 1/2" (13mm) deeper than the intended screw embedment depth with a PYTHON masonry drill bit and rotary only drill.



- 05** Install the PYTHON MT using a TORX T50 bit and impact driver.



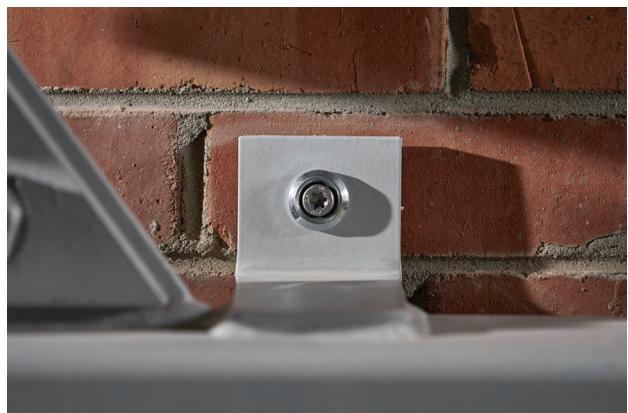
WITH PYTHON WASHER

COUNTERSUNK PYTHON MT PILOT HOLE IN STEEL

- 02** Pre-fabricate 1/2" (12mm) diameter holes for use with PYTHON Washers OR cone holes with a 60° angle for countersunk option.



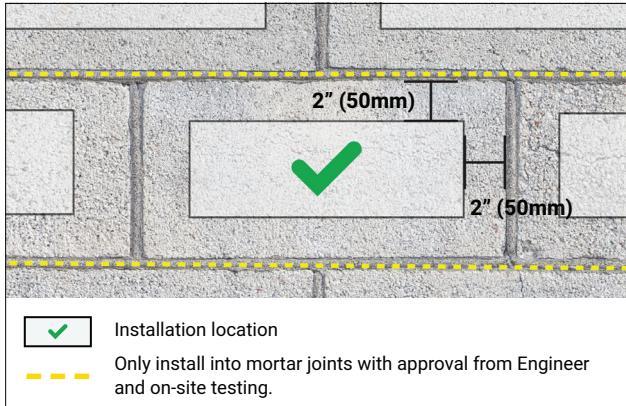
- 04** Thread the PYTHON MT through the center of the PYTHON Washer (if applicable).



- 06** PYTHON MT installed with washer.

WARNING: Do not over-torque.

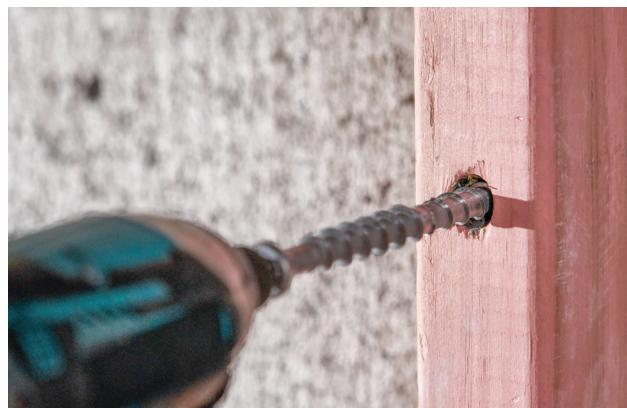
PYTHON MT: TIMBER TO UNGROUTED CONCRETE BLOCK



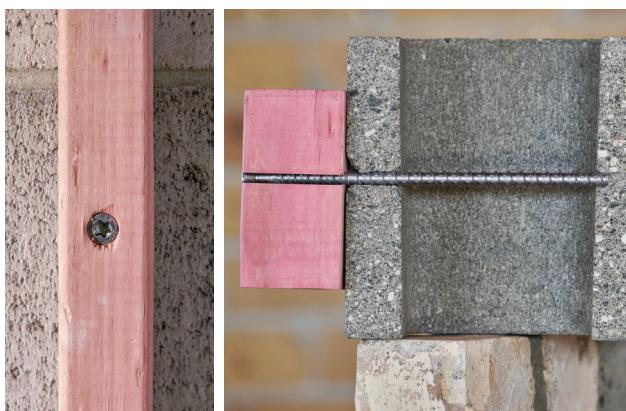
- 01** Mark the installation location on the concrete block. Ensure the location is at least 2" (50mm) from the block edge.



- 02** Drill a 5/16" (8mm) diameter hole through the timber with a timber drill bit.



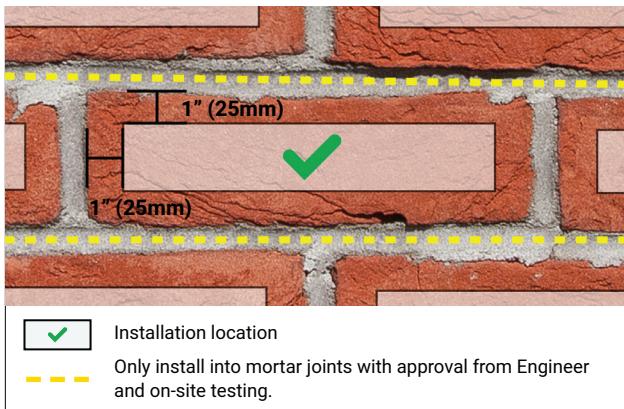
- 03** Drill an 8mm diameter hole 1/8" (4mm) deeper than the intended screw embedment depth with a PYTHON masonry drill bit and rotary only drill.



- 05** Countersink the screw head for a smooth finish.

WARNING: Do not over-torque or countersink the head past flush.

PYTHON MT: NEW CONCRETE/ SHOTCRETE STARTER-BAR



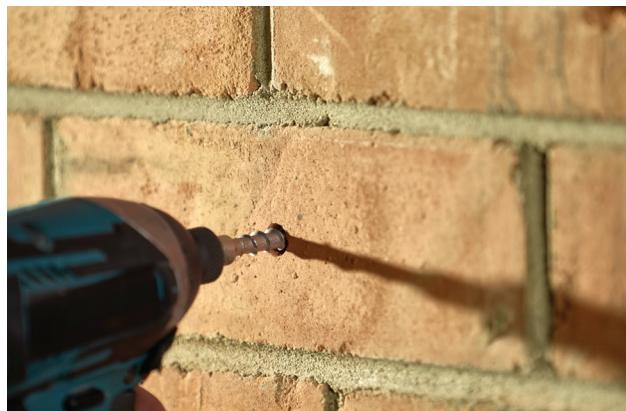
- 01** Mark the installation location on the brick. Ensure the location is at least 1" (25mm) from the brick edge.



- 02** Mark the PYTHON MT starter bar set out. Ensure that installation locations are in accordance with Step 1.



- 03** Drill an 8mm diameter hole 1/2" (13mm) deeper than the intended screw embedment depth with a PYTHON masonry drill bit and rotary only drill.



- 04** Install the PYTHON MT using a TORX T50 bit and impact driver with the length specified by the Engineer left exposed.

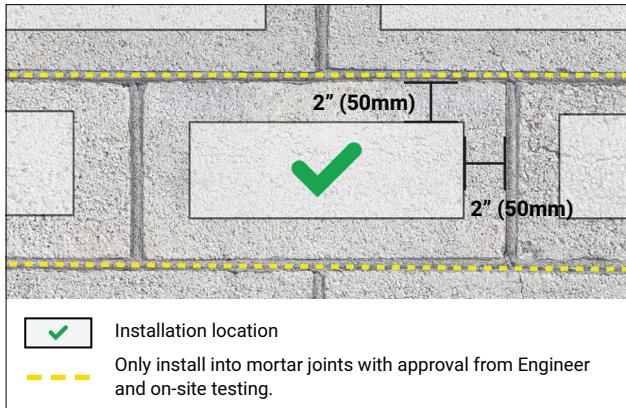


- 05** Tie the reinforcing to the PYTHON MT fasteners.

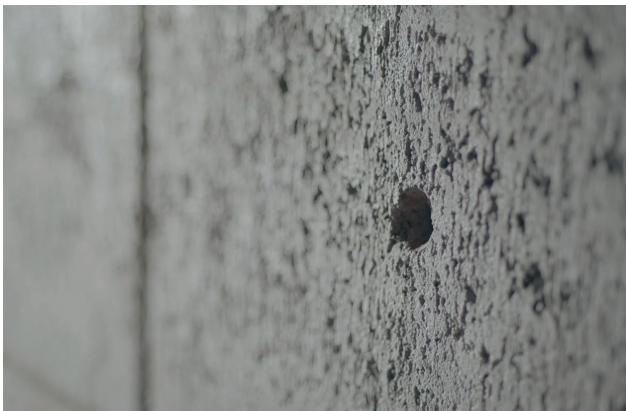


- 06** Box and pour or apply shotcrete as specified by the Engineer.

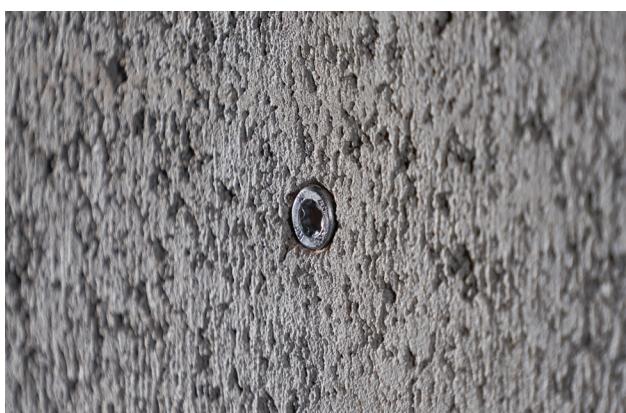
PYTHON MT: COUNTERSUNK IN CONCRETE BLOCK



- 01** Mark the installation location on the concrete block. Ensure the location is at least 2" (50mm) from the block edge.



- 03** To countersink the head, drill a 5/8" (16mm) diameter hole 1/4" (6mm) deep.



- 05** Countersink the screw head for a smooth finish.

WARNING: Do not over-torque or countersink the head past flush.



- 02** Drill an 8mm diameter hole 1/8" (4mm) deeper than the intended screw embedment depth with a PYTHON masonry drill bit and rotary only drill.

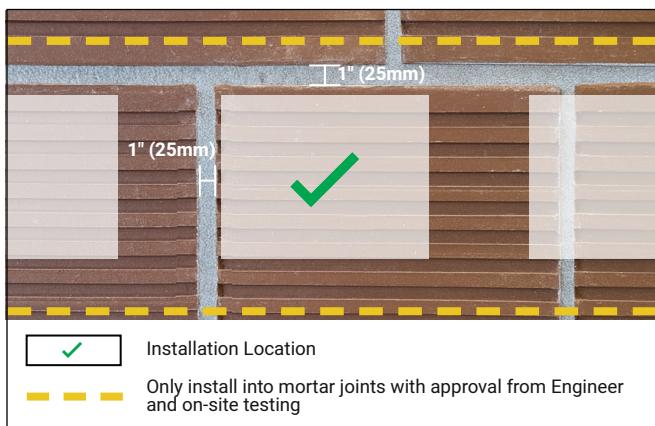


- 04** Install the PYTHON MT using a TORX T50 bit and impact driver.

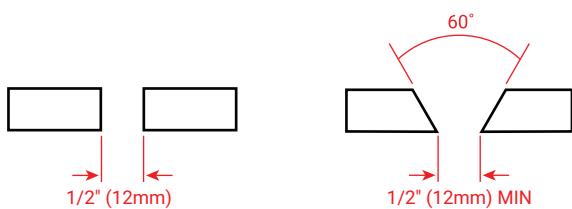
HOLLOW CLAY TERRACOTTA TILE (HCT)



- 1 Mark the installation location on the HCT. Ensure the location is at least 1" (25mm) from the HCT unit.



- 2 Select prefabricated cold form steel bracket (supplied by others) or any other steel member with a 1/2" (12mm) diameter anchor hole for use with the PYTHON MT with PYTHON Washer.



WITH PYTHON WASHER

COUNTERSUNK PYTHON MT PILOT HOLE IN STEEL

Pre-fabricate 1/2" (12mm) diameter holes for use with PYTHON Washers OR cone holes with a 60° angle for countersunk option.

- 3 Drill an 8mm diameter hole to the intended screw embedment depth with a PYTHON masonry drill bit and rotary only drill.



- 4 Thread the PYTHON MT through the center of the PYTHON Washer (if applicable).



- 5 Install the PYTHON MT using a TORX T50 bit and impact driver. **WARNING:** Do not over-torque



- 6 PYTHON MT installed with washer.

