

# Spanware®

## Heavy Duty Tension Anchor Installation:

Spanware® Heavy Duty Tension Anchors are easily installed using Spanware® installation tool kit (Part Number IMP-ATCD-375)

Step 1



Step 2 & 3



Step 4



Step 5



To install Spanware® heavy duty tension anchors, use the following procedure:

1. Using the included 1-1/8" hole saw, drill completely through the IMP Panel in which the tension anchor is to be installed. This requires the removal of the drill stop from the hole saw.
2. Slightly roll the PETG clear plastic "Shoe Horn" down to a diameter that can pass through the hole in the IMP panel.
3. Push the PETG "Shoe Horn" into the wall to a depth such that the ends protrude out of the wall on both sides. The side closest to you should have the "lead in" ramps facing upward. The side opposite of you should be slick.
4. Open the packet of food grade silicone "Super Lube" and apply half a blister pack of lube to the outer surface of the EPDM rubber armored toggle.
5. Take the long insertion tool with 3/8" NC female threads and thread it onto the threaded toggle stud.

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Step 6



Step 7



Step 8



Step 9a



6. Collapse the armored toggle into the shape of a small “taco”, and insert it into the PETG “Shoe Horn” in the wall.

7. Shove the armored toggle through the wall until it exits the wall on the opposite side, and the toggle deploys to its original shape.

8. Remove the “Shoe Horn” and save it for the next installation. “Shoe Horn” installation guides should be able to install approximately 2 to 4 tension anchors each.

9. Slide the wall sleeve (including black foam insulator for wall thicknesses 4”, 5” & 6”) over the insertion tool’s handle and push into the wall with the smooth side first, and the barbed, castellated end last. Push into wall until the castellated barbs just “snap past” the panels metal laminated surface that is closest to you. Use a standard screwdriver to finishing seating the wall sleeve into wall.

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Step 9b



Step 10 -16



Step 17



Step 18



10. Remove the insertion tool while holding onto the threaded toggle stud.
11. Slide the gasketed thrust washer over the stud.
12. Slide the EPDM rubber flat washer over the stud.
13. Slide the wall spacer over the stud.
14. Slide the flange of the item being attached to the anchor over the stud
15. Slide the 3/8" stainless steel flat washer over the stud
16. Thread the 3/8" stainless steel nut onto the stud.
17. Tighten the nut to 4 ft\*Lbs using the included torque limited driver.
18. Armored toggle will suck down tight against back of panel.

This installation procedure should be used for the following anchors:

**IMP-HDT-375, IMP-HDTSS-375, IMP-HDTUV-375**

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