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## 5/16" COMPRESSION FITTING INSTRUCTIONS

**IMPORTANT:** The hydraulic tubing will need to be routed through the rubber grommet in the upper U-Channel and attached to the hydraulic cylinder via the compression fittings prior to installing the cylinder.

Before installing fitting base into hydraulic cylinder or the hydraulic pump unit (HPU), be sure to apply Loctite 545 sealant to threads. **(FIG. 1 & 5)**

### STEP 1: Hydraulic cylinder fittings

1. With the tubing routed to the cylinder, pull enough slack to allow the blue tubing to reach the uppermost compression fitting (blue dust cap) and the black tubing to reach the lower compression fitting (black dust cap).
2. With both the blue and black hydraulic tubing in line with their respective fittings, feed each of them through a compression fitting nut as well as a compression fitting ferrule.

**IMPORTANT:** The tubing needs to pass through the ferrule far enough to expose approximately 1/2" of tubing. **(FIG. 1)**

3. While holding the blue tubing fully inserted into its respective compression fitting base, begin threading the compression fitting nut onto the base. Repeat this step for the black tubing.
4. Tighten both compression fitting nuts with a 9/16" wrench while simultaneously holding their respective bases with a 1/2" wrench. **(FIG. 2)**

**WARNING:** The nuts must be tightened down far enough such that NONE of the compression fittings' threads are visible; otherwise, hydraulic failure may occur. **(FIG. 3)**

5. Once the hydraulic tubing is securely fastened to the fittings, install the cylinder in the anchor, and use marine wire ties to fasten the blue tubing to the cylinder via the instructions in the "Installation Manual"

**IMPORTANT:** When installing the cylinder, ensure that the hydraulic fittings are facing towards the vessel. **(FIG. 4)**

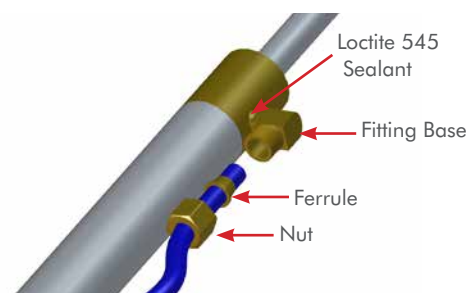


Figure 1

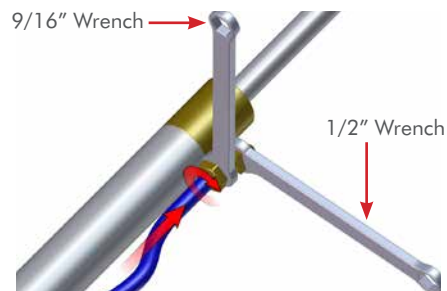


Figure 2

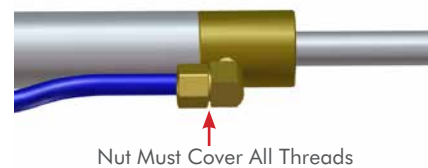


Figure 3



Figure 4



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## 5/16" COMPRESSION FITTING INSTRUCTIONS (continued)

### STEP 2: HPU fittings

1. Route the tubing to the HPU according to your preference, and trim the excess using a razor tubing cutter. All cuts made in the tubing must be as square as possible to ensure that the compression fittings do not leak.
2. While taking note of their orientation, remove the blue and black dust caps from the hydraulic compression fittings on the HPU.
3. Push the blue tubing into the compression fitting labeled UP (blue dust cap), and the black tubing into fitting labeled DN (black dust cap). While holding the blue tubing fully inserted into its respective compression fitting base, begin threading the compression fitting nut onto the base. Repeat this step for the black tubing. **(FIG. 5)**

**IMPORTANT:** The tubing needs to pass through the ferrule far enough to expose approximately 1/2" of tubing. **(FIG. 5)**

4. Tighten both compression fitting nuts with a 9/16" wrench while simultaneously holding their respective bases with a 1/2" wrench. **(FIG. 6)**

**WARNING:** The nuts must be tightened down far enough such that NONE of the compression fittings' threads are visible; otherwise, hydraulic failure may occur. **(FIG. 7)**

5. Once all of the hydraulic tubing has been securely fastened, refer back to the "Installation Manual" for the remainder of the Power-Pole shallow water anchor installation.

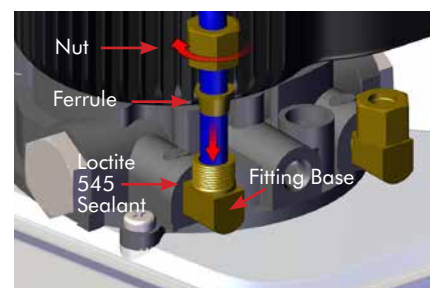


Figure 5

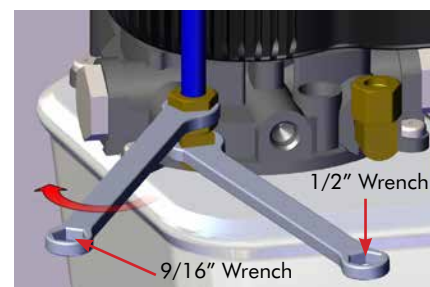


Figure 6



Figure 7

Need help? Contact our Technical Support Team at **1 + 813.689.9932 Option 2**



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