

2" Spear Tip Construction

Parts:

1. spear shaft, fiberglass
2. Plastic pipe cap, with flat top
3. 2" dia. X 2" long Foam thrusting tip, Neoprene shore OO durometer 50
4. 1 1/2" No hub flexible coupling
5. Strapping tape
6. Duct tape

1 1/2" No hub flexible coupling

The couplings shown at the right (fig 1) are from Lowes (left) Part #23461
Menards (right) Part #PNH-150
These are about \$3.50 ea.

If you look inside (fig 2) you will see a ridge half way down. This ridge will help keep the cap from pushing through the foam.

Before using the coupling remove the metal sleeve and pipe clamps. (fig 3) These are not used.

Foam Thrusting Tip

The foam tip is available from Baron Eirik Drwargaxe. There are also websites where this material can be ordered. (Foam Factory Inc. and McMaster Carr) I would not suggest using blue camp foam. The neoprene will hold up better.



Fig 1

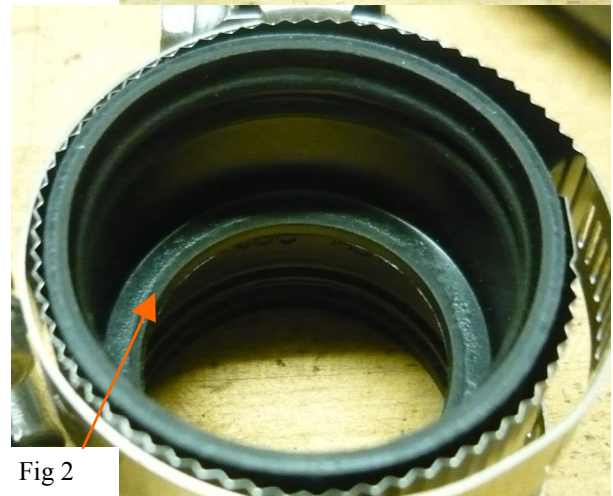


Fig 2



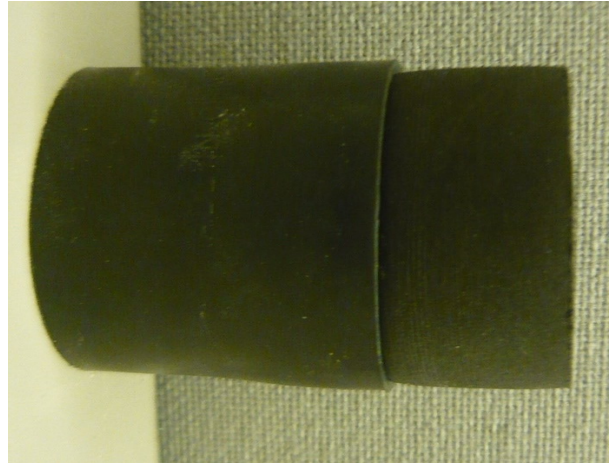
Fig 3



Fig 4

Assembly

1. Take the foam tip and press it into one half of the flexible coupling. It should bottom out on the ridge in the coupling.



2. Wrap tape around the cap edge to build up the diameter of the cap to fit snug inside the flexible coupling.



3. Push the cap into the other end of the coupling. Make sure the the tip bottoms out on the cap.



4. Attach to spear shaft with strapping tape and duct tape for color as required.