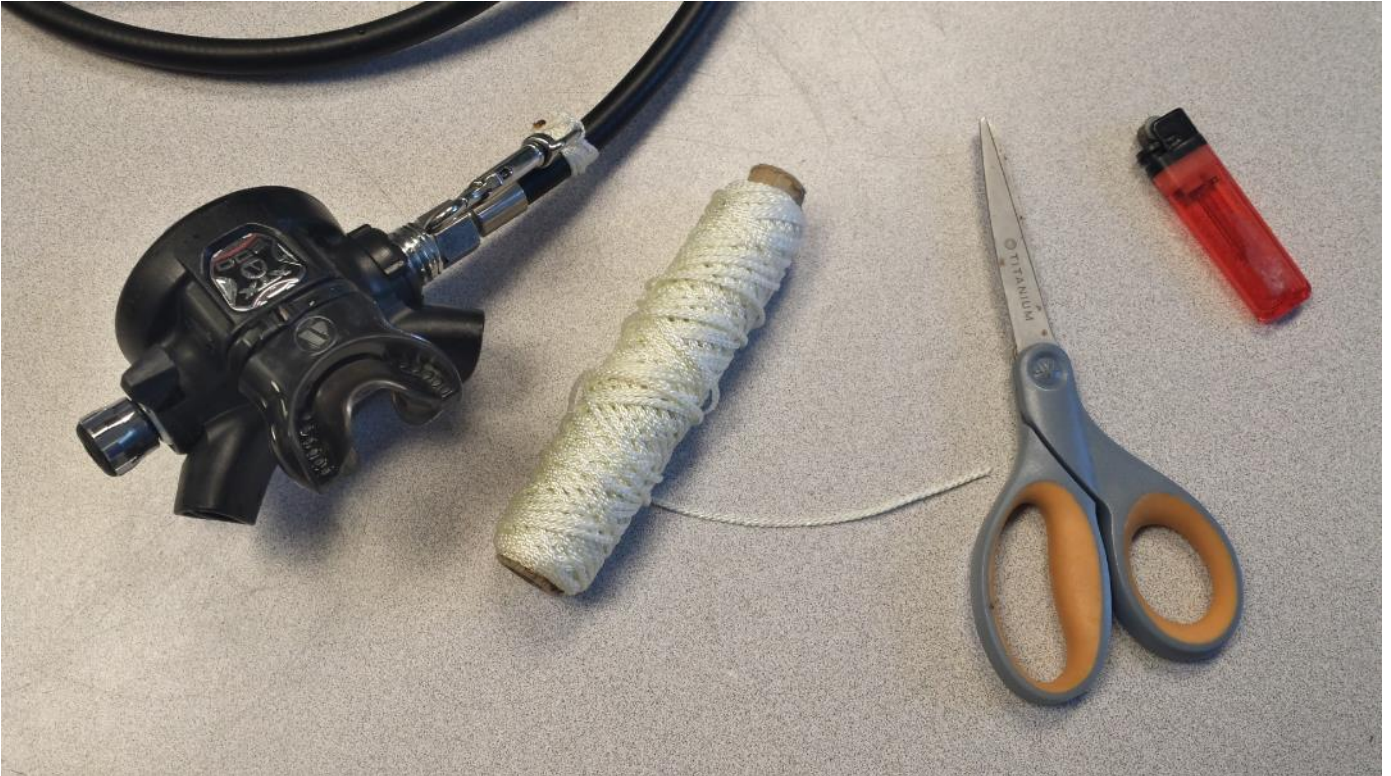


"The Knot"

Provided by Wet Rocks Diving www.WetRocksDiving.com

Useful for connecting boltsnaps semi-permanently to dive equipment. These are secure. Show their aging, unlike zip ties which can look fine but be degraded. Cave line ties will not break when twisted unlike zip ties.



Items you will need (pictured above):

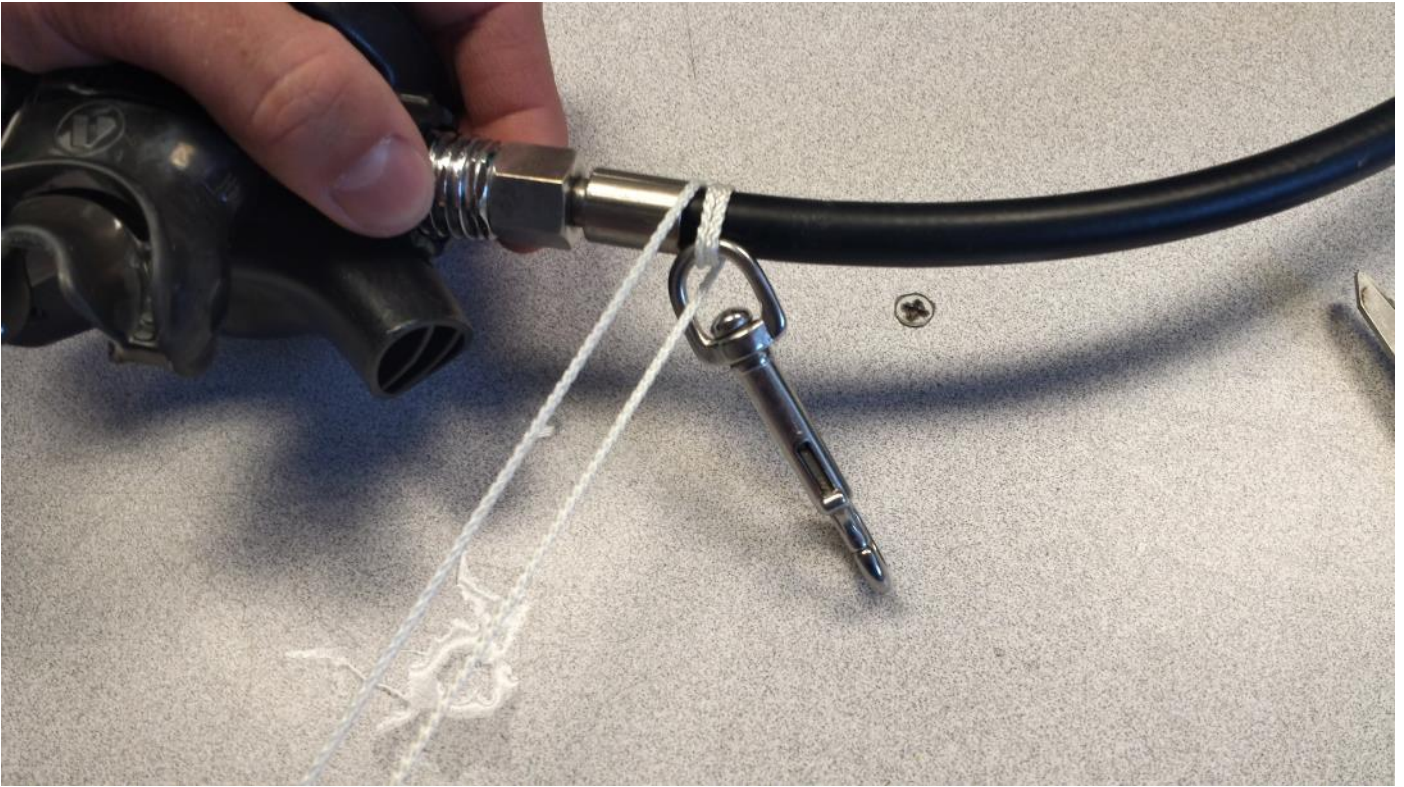
- Cave line: 24# braided nylon, 18" or 50 cm long piece
- Scissors
- Lighter
- Boltsnap of appropriate size (recommend stainless: brass self-sharpens, nickel/cheap ones will rust out)
- Piece of equipment you want to attach

Places you need to attach bolt-snaps for GUE Fundamentals:

- For size recommendations, go towards smaller end of scale if you dive exclusively in warmer waters with no/thin gloves. Go towards upper end of scale if you would like clips to be compatible with drygloves.
- Long hose on or very close to swedge near second stage (fixed eye of snap should be between 1/2" and 3/4")
- HP hose near SPG or on swedge (fixed eye of snap should be between 3/4" and 1.25")
- Primary light goodman handle (if applicable) where left thumb would rest (fixed eye of snap should be between 1/2" and 3/4")
- Backup lights (if applicable) at opposite end of light from lens (fixed eye of snap should be between 1/2" and 1")
- Have double enders for anything going into your pockets: e.g. backup mask, wetnotes)
- Have a double ender on your finger spool
- Have an extra double enter if you are using a primary light

First, a WARNING:

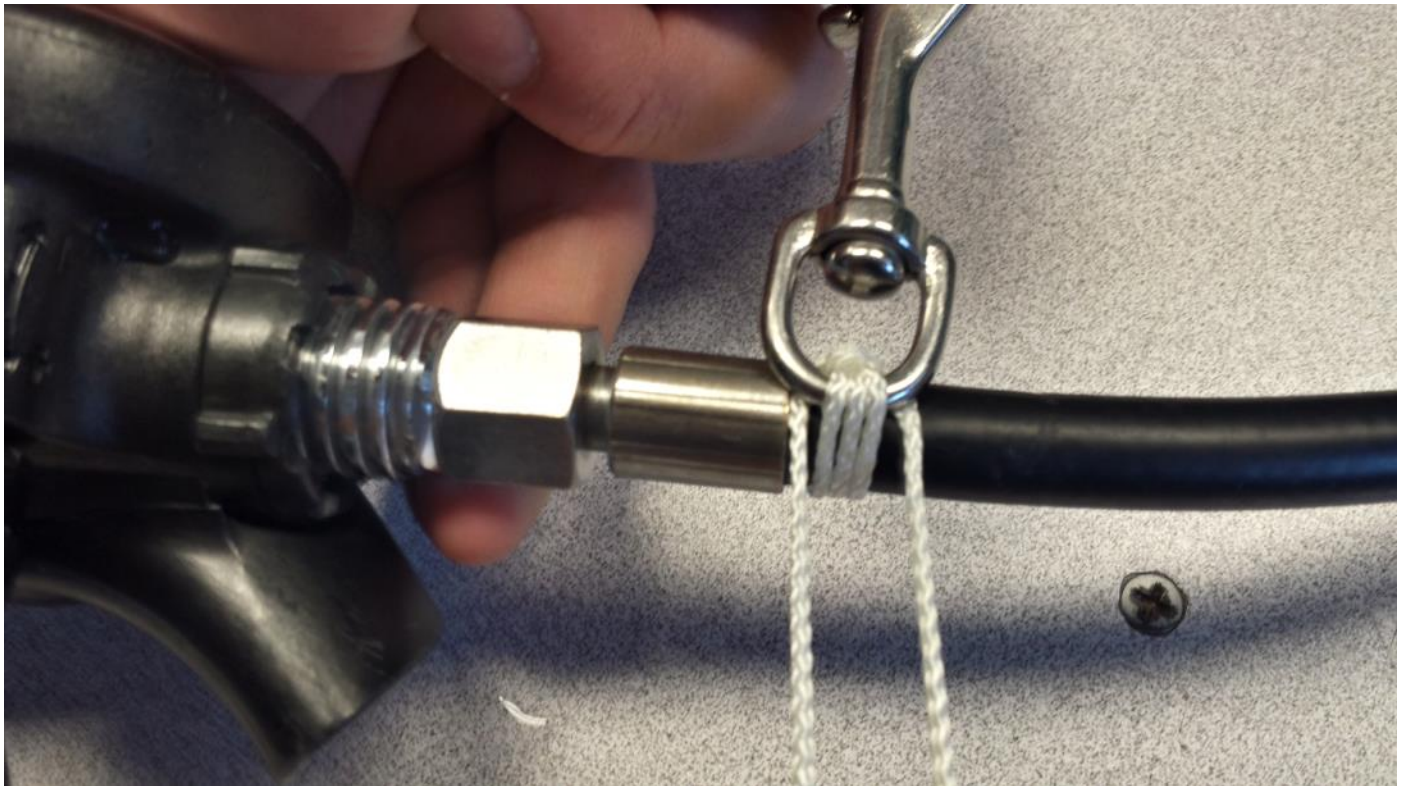
- Molten nylon cave line is hot. Do NOT touch it with your fingers or allow it to drip on you. It will burn.



Step 1: Loop cave line around eye of clip and piece of equipment three times. Keep it tight, neat, no crossed lines. (Long hose and clip with 1/2" eye pictured above)



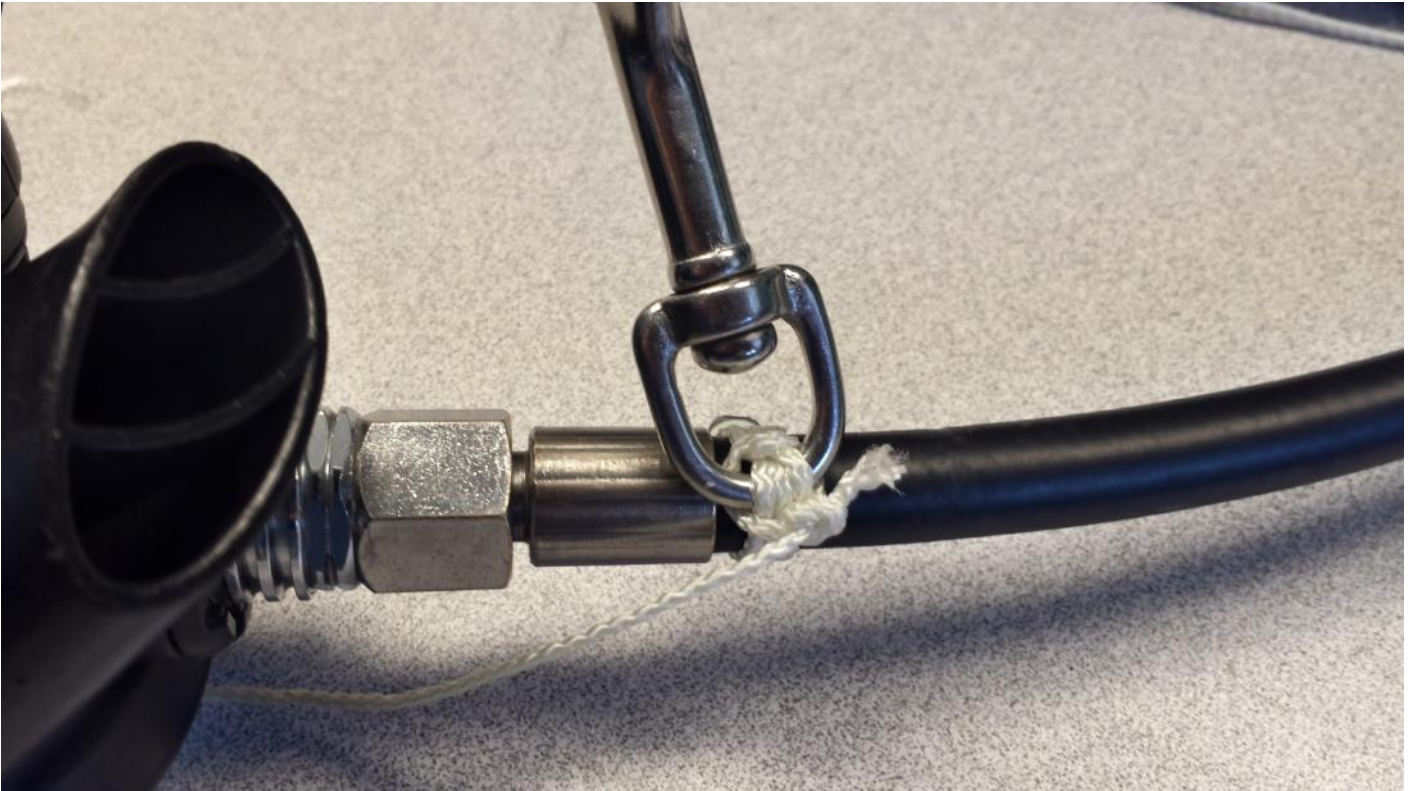
Step 2: Cross right over left to make HALF of a square knot, as pictured above.



Step 3: Flip the bolt snap over so your half knot is facing away from you, as pictured above. Keep the cave line as tight as possible.



Step 4: Tie a square knot, while keeping the line as tight as possible, as pictured above. Square knot is completed by "right over left, left over right". A tutorial on a square knot can be found here: https://www.netknots.com/rope_knots/square-knot



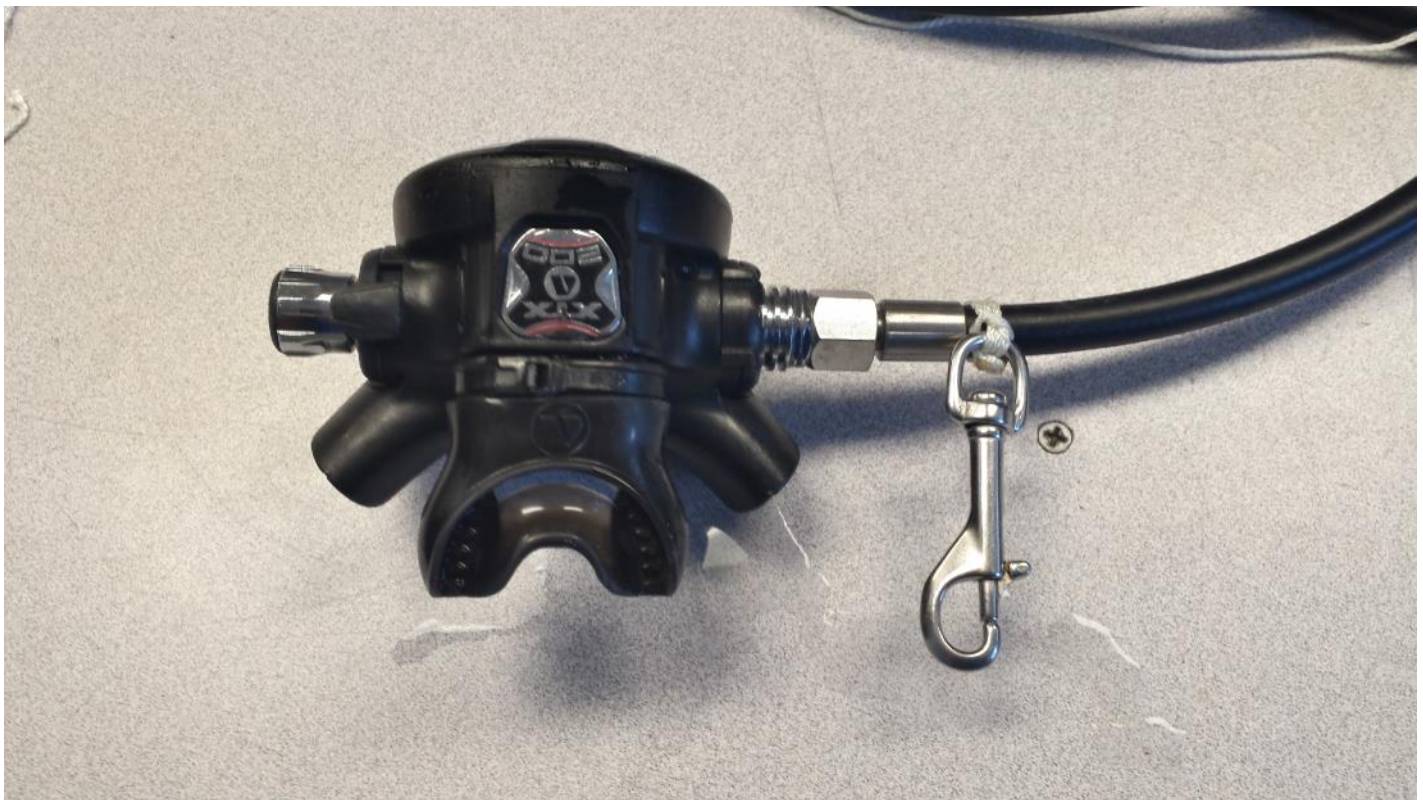
Step 5: Test to make sure everything is as tight as you can make it and the knots correct before you cut. Then cut **ONE SIDE AT A TIME**, leaving 1/4" (50mm) tail, as pictured above. Do not pull on any part of the cave line or bolt snap once you cut.



Step 6: Burn the tail of the cave line you just cut with the lighter until it forms a little ball of molten nylon. Using the back end of the lighter (or another tool, but **NOT** your fingers) smash the molten nylon into the knot, as pictured above.



Step 7: Cut and burn the other side.



Test and you're done!