



## Marine Diving Technology Required Equipment List

**Students must provide the following equipment by the first day of MDT 105 Advanced Scuba Techniques which is the first in-water class of the fall semester:** The instructor will go over the required equipment following the completion of the swim test.

### Dive Gear:

- Full wetsuit (7 mm minimum thickness), including gloves, hood and booties (Highly recommended but not required that the hood is **not** integrated into the suit)
  - Thin wetsuit or rash guard for pool/water tank sessions is recommended but not required. Your 7mm will be sufficient
- SCUBA-grade mask (tempered glass)
- Open heel SCUBA fins (**not** long blade freedive fins) & snorkel
- Adjustable weight belt with vinyl coated lead weights (preferred) or soft pouch weights
  - 20-26 lbs in weights (Make sure to have some smaller weights to make minor adjustments to weight needed)
- SCUBA regulator assembly
  - 1<sup>st</sup> stage (yoke connection is recommended)
  - 2<sup>nd</sup> stage
  - Submersible Pressure Gauge
  - Octopus 2<sup>nd</sup> stage and **keeper device** (an Air 2 cannot qualify as your octopus)
- BCD with power inflation
- Depth gauge (can be included in your regulator assembly or in a dive watch)
- Underwater compass
- Diving knife (with some way of attaching it to yourself)
- Underwater slate (with some way of attaching it to yourself)
- Dive timing device (This can be a dive computer or submersible watch)
- Gear bag

### Tools:

- 8" Adjustable wrench (Proto or Crescent brand preferred)
- 12" Adjustable wrench (Proto or Crescent brand preferred)
- 8" Double cut half round bastard file. Nicholson is a good brand
- Thin nose slip joint pliers
- 25 watt soldering iron
- 6 way screwdriver or set of standard flathead and Phillips head screwdrivers (non magnetic)
- Wire strippers
- 12' tape measure
- Clear safety glasses, not sunglasses. **Z87 rating or equivalent**
- Pair of flexible work gloves with dexterity in mind (no leather)
- Folding knife or your choice

- Must be 3-4" long
- Spyderco is the brand most offshore divers use
- Multi tools like leathermans are acceptable
- No switchblades
- A tool bag or something to put it all in and write your name on.

***\*Close toed shoes are required for every class. Steel toe work boots are recommended and will be necessary once in the industry.***

**Students must provide the following equipment by the first day of MDT 140 Introduction to Surface Supplied Diving which begins 8 weeks after the start of the fall semester:** The Instructor will go over the required equipment several weeks before the items are needed.

- Head Cushion (aka "snoopy") and chin cushion for Kirby Morgan Diving Helmets
- 100% cotton or natural fiber shirt, pants, and socks for decompression chambers
- Non synthetic long sleeve shirt and pants for welding

**Students must provide the following equipment by the first day of MDT 142 Advanced Ocean Diving which begins in January:** The instructor will go over the required equipment several weeks before the items are needed

- Steel Toe rubber boots for diving
  - Fins are not often worn for commercial diving purposes. Instead, hard soled, steel toe rubber boots are worn as "bottom boots". These will be required when diving off the wharf in MDT 142.
  - The water in Santa Barbara is chilly so it is recommended to purchase a pair of 3mm - 7mm neoprene socks to wear with your bottom boots. Regular, thick socks are acceptable but your feet will get cold. If you are going to wear neoprene socks, make sure you have properly sized boots.