

GEAR LIST

FOR OVERHEAD DIVING COURSES IN BACKMOUNT

(Cavern – Intro to Cave – Full Cave)

WING, BACK-PLATE AND HARNESS

- doughnut or horseshoe shaped wing with a minimum lift of 22 liters / 50 lbs. lift
- power inflation system (K-valve recommended) and fast exhaust valve
- back-plate with continuous webbing and crotch-strap
 - * Aluminum back-plate recommended for wetsuit configuration / * steel back-plate recommended for drysuit configuration
- 1x D-ring on each shoulder, 1x D-ring on the waist on the left side, 1x D-ring on the back of the crotch-strap
- metal buckle for the waist belt + 1x extra metal buckle to retain the light canister on the right side
- rubber retainers for the back-up lights on either side of the harness

REGULATOR SYSTEM

1x DIN regulator first stage on the right side with:

- 1x balanced regulator second stage
- 1x LP long hose (210cm / 7') equipped with a small size bolt-snap clip
- 1x LP inflator hose for the wing (appropriate length depends on the wing's corrugated hose)

1x DIN regulator first stage on the left side with:

- 1x balanced regulator second stage
- 1x LP short hose (approx. 55-63cm / 22-25in, appropriate length depends on the diver)
- 1x necklace (3 or 4mm shock cord)
- 1x LP inflator hose in case of drysuit configuration (appropriate length to be routed under the left arm)
- 1x HP hose (approx. 61cm / 24in, appropriate length depends on the diver)
- 1x SPG (black face recommended / bar or PSI) equipped with a bolt-snap clip

LIGHTING SYSTEM

1x Primary light:

- canister light with low profile light head or hand-hold light, equipped with a bolt-snap clip
- with goodman handle
- approx. 4 hours burn time (min. 1.5x planned bottom time)
- min. 1200Lu output

2x Back-up lights:

- low profile, equipped with a small bolt-snap clip
- approx. 4 hours burn time (min. 1.5x planned bottom time)
- min. 600Lu output

THERMIC PROTECTION AND OTHER EQUIPMENT

- full wetsuit (min. 5mm) or drysuit with hood
- dive booties (rock boots recommended)
- 1x thigh pocket on the left side
- 2x masks (low profile, opaque skirt and frameless recommended)
- 1x pair of fins (open-heel, no split, nor free dive, nor force fins, low profile strap)
- 2x 37m / 125ft safety lines (finger spools, no reels, line gauge from 18 to 21)
- 2x line cutters (seahorse or U shape, no knives, no scissors)
- 1x nitrox computer
- 1x back-up dive computer or bottom timer with submersible dive table
- 1x wrist compass (or integrated in the dive computer)
- 1x wrist slate (3 pages) or wet notes
- 1x navigation kit (1 bolt-snap clip w/ 10cm thick bungee w/ 5 arrows and 5 cookies)

OPTIONAL EQUIPMENT (can be provided for the course)

- 3x jump lines (finger spools, no reels)
- 1x 120m / 400 ft primary reel (sidewinder recommended)

Even though we recommend that students own their equipment, most of it can be rented with us. Please double check the list and let us know as soon as possible which items you might be needing.