



Safe cave diving training with Swiss Cave Diving Instructors

Cave diving courses on level CD1 - CD3

Compulsory equipment for courses

Beyond the so-called standard diving equipment there is the following list of specialized equipment that is compulsory for all our cave diving courses:

Mono-tanks: 2 x 10-12L; DIN mono-outlets only; H- or Y-valve [CD 1, zone1 only !]

Backmount: 2 x D10-12L; DIN outlets; no connection or with isolator valve [zones 2 + 3]

Sidemount: 4 x mono D10-12L; DIN mono-outlets [zones 2 + 3]

1-2 stage tanks (min. volume 7 l) each with a complete regulator rig (incl. pressure gauge) [CD3 only]

Attention: - for penetrations beyond 500m (1500ft) a 3rd tank is compulsory (min. volume 7l)

- all tanks have to carry **valid stamp from hydro testing (EMPA / CE / TÜV)**

- each tank has to be equipped with a pressure gauge

1 jacket or wings (BC) with harness and an inflated volume of at least 20l

2 complete regulator rigs, each with 1st/2nd stage, pressure gauge, inflator

Attention: inflator hoses for BC and drysuit must NOT be connected to the same 1st stage

1 long hose, length 1.8-2.1m/6-7ft (backmount) / 1.5m (sidemount), **YELLOW** [all levels /all zones]

1 spare mask [all levels /all zones]

1 compass with self illuminating analogue display [all levels /all zones]

1 dive computer with stage decompression stop mode [all levels /all zones]

1 safety spool with min. 50m line, d=1.5 - 2mm colour: **YELLOW** or **ORANGE** [all levels; all zones]

1 gap/jump-spool with min. 30m line, d=1.5 - 2mm, **WHITE** [from CD2 / zone 2 on]

1 primary reel with approx. 80m line, d=1.5 - 2mm, **WHITE** [from CD2 / zone 2 on]

1 helmet (ev. with lamps attached) [from zone 2 on]

1 (min.) main lamp with 30-50W Halogen/12W HID/18W LED, output, **min. burning time 2 hrs**
(must be carried in a way that both hands stay free) [all levels /all zones]

1 back-up lamp, output approx. 4-5W Xenon, **min. burning time 2 hrs.** [CD1 / zone 1 only]

2 back-up lamps, output approx. 4-5W Xenon, **min. burning time 2 hrs.** [from CD2 / zone 2 on]

2 solid stainless cutting tools (knives, cutters, cutting pliers, scissors), secured against dropping

3 line arrows and 3 non-directional markers (can be purchased from Swiss Cave Diving)

3-4 D-rings on harness

for Nitrox divers: certificate + connection hose with high precision pressure gauge + O₂-analyzer !

Spare parts/equipment

1 pair of fins with steel spring straps

1 pair of spare gloves (especially for dry suits)

1 complete regulator rig (incl. hose and pressure gauge)

1 depth gauge with self-illuminating display

some spare lead weights

batteries, accumulators, bulbs and fuses for lamps and chargers

plug boards and connectors for foreign sockets

1 1st aid box

Additional trekking equipment, spare parts and tools according to personal preferences.

Hint:

**backup-lamps (Heser), arrows and cookies, reels and spools
can be purchased directly from us!**