

TEC 45 TRAINING DIVE 4

Key Standards

Environment: Conducted in open water

Minimum Depth: 27 metres/90 feet

Maximum Depth: 45 metres/145 feet

Decompression: Decompression dive with a single gas switch.

Ratio: 3:1, 4:1 with one or more certified assistants

Skills

To successfully complete this training dive, students must be able to:

- 1) Working in a team, plan and execute an actual decompression dive with a single gas switch for added conservatism based on dive site information and limits provided by the instructor and other necessary variables, within Tec 45 limits.
- 2) Working in a team, assemble and inspect the standardized technical diving rig (or sidemount) including a stage/deco cylinder, following the previously described rigging philosophies and to meet individual/environmental needs.
- 3) Independently don a stage/deco cylinder at the surface in water too deep in which to stand.
- 4) As part of a team, conduct a bubble check at the surface or just below the surface
- 5) As part of a team, conduct a descent check on the bottom.
- 6) Perform the gas shutdown drill within 60 seconds (40 in sidemount)
- 7) Demonstrate gas/time/depth awareness throughout the dive by signaling the instructor and team mates upon reaching an agreed turn point of technical dive plan.
- 8) As part of a team, execute the decompression as planned, following a dive computer set for a single gas and/or tables generated with desk top decompression software.
- 9) Properly respond to and deal with any simulated or actual problems that occur during the dive.