

# 1. Course Overview Matrix

## 1.1 All Courses

	Course Name	Minimum Age	Number of Required Dives	Student to Instructor Ratio	Prerequisite Certification and Dives
3	Intro to Tech	15	3 dives no deeper than 23 metres / 75 feet	6 to 1	Open Water Diver 25 logged dives
4	Technical DPV Diver	18	2 dives	3 to 1	Open Water Diver 25 logged dives
5	Sidemount Diver	18	3 dives	4 to 1	Open Water Diver 25 logged dives
6	Nitrox Diver	15	None, 2 dives recommended	N/A 8 to 1 if enrolled in an Open Water course	SDI Open Water Scuba Diver or current enrollment in an SDI Open water Scuba Diver course or equivalent
7	Advanced Nitrox	15	4 dives 100 minutes bottom time	8 to 1	Nitrox diver 25 logged dives
8	Decompression Procedures Diver	18	4 dives	4 to 1	Advanced Adventure Diver or Advanced Diver and 25 logged dives
9	Extended Range Diver	18	4 dives All dives greater than 33 metres / 100 feet 2 dives greater than 40 metres / 130 feet	4 to 1	Advanced Nitrox and Decompression Procedures certifications 100 logged dives
10	Helitrox Diver	18	4 dives 2 dives greater than 30 metres / 100 feet	4 to 1	Advanced Diver with Deep Specialty or TDI Intro to Tech Diver, Advanced Nitrox Diver 50 logged dives
11	Advanced Wreck Diver	18	6 dives all penetration 100 minutes bottom time	4 to 1	Advanced diver Wreck Diver or Cavern 50 logged dives
12	Trimix Diver	18	4 decompression dives 2 greater than 40 metres / 130 feet 100 minutes bottom time	4 to 1	Decompression procedures and advanced nitrox certifications 100 logged dives

## TDI Standards and Procedures

### Part 2: TDI Diver Standards

13	Advanced Trimix Diver	18	4 dives 2 greater than 70 m /230 ft 100 minutes bottom time	4 to 1	Extended Range Diver or Trimix Diver 100 logged dives
14	Nitrox Gas Blender	18	N/A	N/A	None
15	Advanced Gas Blender	18	N/A	N/A	TDI Nitrox Gas Blender or equivalent
16	Oxygen (O <sub>2</sub> ) Equipment Service Technician	18	N/A	N/A	TDI Nitrox Gas Blender VIP Inspector General equipment technician Employed at a scuba related facility
17	Cavern Discovery	15	1 Cavern Dive	2 to 1	SDI Open Water Scuba Diver or Equivalent 25 logged dives
18	Cavern Diver	15	4 dives and 80 minutes bottom time at 2 different sites	4 to 1	Open water diver 25 logged dives
19	Intro to Cave Diver	15	4 dives with limited penetration 80 minutes bottom time at 2 different locations	3 to 1	Cavern diver
20	Full Cave Diver	18	8 dives 240 minutes bottom time	3 to 1	Introductory cave diver
21	Underwater Cave Surveying Diver	18	2 dives for a minimum of 60 minutes	2 to 1	Full Cave Diver, 25 non-training full cave dives
22	DPV Cave Diver	18	3 dives for a minimum of 90 minutes	2 to 1	Full Cave diver, 25 non-training full cave dives
23	Stage Cave Diver	18	3 dives at 2 different locations for a minimum of 90 minutes	3 to 1	Full Cave diver
24	Mine Diver I	18	4 dives for minimum 100 minutes If combined with Mine Diver I-12 dives for a minimum of 340 minutes over 6 days	3 to 1	TDI Cavern Diver or equivalent
25	Mine Diver II	18	8 dives for minimum 240 minutes If combined with Mine Diver I-12 dives for a minimum of 340 minutes over 6 days	3 to 1	TDI Mine Diver 1
26	Rebreather Discovery	18	1 pool/confined water session for minimum 30 minutes to a maximum depth of 9 metres / 30 feet 1 Open water session is optional	1 to 1	TDI Nitrox Diver or equivalent 10 logged dives to participate in pool/confined session 25 logged dives to participate in open water session

## TDI Standards and Procedures

### Part 2: TDI Diver Standards

27	Semi-Closed Rebreather Diver	15	4 dives 100 minutes bottom time for Dolphin 6 dives for the Azimuth	6 to 1	Nitrox Diver or current enrollment in a Nitrox Diver course
28	KISS GEM Level 1 Rebreather Diver	18	Minimum of 60 minutes in confined water Minimum 5 dives Minimum 200 bottom time in open water 2 dives deeper than 15 metres / 50 feet	4 to 1	Nitrox Diver and Advanced Diver
29	KISS GEM Sidekick	18	Minimum of 60 minutes in confined water Minimum 5 dives Minimum 200 bottom time in open water 2 dives deeper than 15 metres / 50 feet	4 to 1	SDI Advanced Diver or equivalent, SDI or TDI Nitrox Diver or equivalent (May be combined)
30	Air Diluent Closed Circuit Rebreather Diver	18	Minimum of 60 minutes in confined water Minimum 7 dives Minimum 420 bottom time in open water Maximum depth 30 metres / 100 feet	4 to 1	Nitrox diver (may be combined with program) 20 logged dives
31	Air Diluent Closed Circuit Rebreather Decompression Procedures Diver	18	Minimum of 60 minutes in confined water Minimum 7 dives Minimum 420 bottom time in open water Maximum depth 40 metres / 130 feet	4 to 1	Advanced Nitrox and Decompression Procedures diver 50 logged dives OR • TDI Air Diluent CCR Diver certified or equivalent • 30 hours on the CCR unit Six months CCR diving experience
32	Helitrox Closed Circuit Rebreather Diver	18	Minimum time in confined water is 60 minutes 7 dives for a minimum time of 420 minutes Gradually increasing depth to a maximum depth of 45 metres / 150 feet	4 to 1	50 logged dives TDI Advanced Nitrox, Deco Procedures or Helitrox Diver or the equivalent OR TDI Air Dil Diver with 30 hours on the unit and 6 months CCR diving
33	Mixed Gas Closed Circuit Rebreather Diver	18	6 dives, 5 deeper than 40 metres / 130 feet	3 to 1	TDI Air Diluent Decompression CCR diver or TDI Helitrox CCR diver, 50 rebreather hours over 50 logged dives on a specific unit

## TDI Standards and Procedures

### Part 2: TDI Diver Standards

34	Advanced Mix Gas Closed Circuit Rebreather Diver	18	7 dives, 6 on mixed gas, 5 of the mixed gas dives must be decompression dives	3 to 1	TDI Mixed Gas Diluent CCR diver or equivalent from an agency recognized by TDI 100 CCR hours over 100 on a specific unit 50 percent of the dives must be deeper than 30 metres / 100 feet
35	Explorer Rebreather Diver	18, 15 with parental consent	4 dives with a minimum of 100 minutes accumulated	6 to 1	TDI Nitrox Diver, or equivalent 25 logged dives, Less than 25 logged dives a 60 minute confined water session is required
36	Rebreather Cavern Diver	18	5 dives must be conducted 4 cavern dives with a minimum of 120 minutes conducted at 2 different locations	3 to 1	TDI Air Diluent CCR diver on specific unit 25 logged dives and 25 hours on specific unit
37	Rebreather Intro to Cave	18	1 open water evaluation dive must be conducted if student is new to the instructor or it has been more than 6 months since last cavern dive 4 single guideline cave dives with a total bottom time of 160 minutes at 2 different locations	3 to 1	TDI CCR Air Diluent Diver or equivalent TDI Rebreather Cavern Diver or equivalent OR TDI Introductory Cave Diver or equivalent 50 logged dives and 30 hours on the specific unit
38	Rebreather Full Cave Diver	18	8 cave dives with a minimum accumulated bottom time of 360 minutes at 3 different locations 1 site not used during the cavern or introductory cave courses At least 2 dives must be at least 60 minutes long	3 to 1	TDI CCR Air Diluent Decompression Procedures Diver or equivalent TDI Rebreather Introductory to Cave Diver Or TDI Full Cave Diver certification 50 logged dives and 50 hours on specific unit



## 1.2 Rebreather Training Courses

TDI offers training on the following CCR Units

Unit	Air Diluent	Air Diluent Decompression	Helitrox	Mixed Gas	Advanced Mixed Gas
Copis	✓	✓	✓	✓	✓
Defender	✓	✓	✓	✓	✓
Discovery MK VI / SE7EN	✓	✓	✓	✓	✓ (SE7EN only)
Evolution	✓	✓	✓	✓	✓
Hammerhead	✓	✓	✓	✓	✓
Hollis Explorer	✓	--	--	--	--
Inspiration	✓	✓	✓	✓	✓
JJ	✓	✓	✓	✓	✓
KISS	✓	✓	✓	✓	✓
Liberty	✓	✓	✓	✓	✓
Mark 15	✓	✓	✓	✓	✓
Megalodon	✓	✓	✓	✓	✓
Optima	✓	✓	✓	✓	✓
Ouroboros	✓	✓	✓	✓	✓
Pathfinder	✓	✓	✓	✓	--
Prism Topaz / Prism2	✓	✓	✓	✓	✓
Pelagian	✓	✓	✓	✓	✓
rEvo	✓	✓	✓	✓	✓
Sentinel	✓	✓	✓	✓	✓
SF2	✓	✓	✓	✓	✓
Submatix 100	✓	✓	✓	✓	✓
Titan	✓	✓	✓	✓	✓
Triton	✓	✓	✓	✓	✓

*The air diluent, air diluent decompression procedures, Helitrox, mixed gas and advanced mixed gas CCR diver course standards contained in this manual are unit specific to the above CCRs .*