

RECREATIONAL DIVE PLANNER™

DIVING SCIENCE & TECHNOLOGY, CORP.

TABLE 2
SURFACE INTERVAL
CREDIT TABLE

START ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼

Oxygen p.p. (ata)	0.91	0.96	1.01	1.07	1.12	1.23	1.34	1.45	1.56
DEPTH (feet)	50	55	60	65	70	80	90	100	110

A	10	9	8	7	7	6	5	4	4	▶										A	0:00	3:00
B	20	17	15	14	13	11	9	8	7	▶										B	0:00	0:48
C	26	23	20	18	17	14	12	11	10	▶										C	0:00	0:22
D	30	26	23	21	19	16	14	12	11	▶										D	0:00	0:09
E	33	29	26	23	21	18	15	14	12	▶										E	0:00	0:08
F	37	32	29	26	23	20	17	15	13	▶										F	0:00	0:16
G	41	36	32	28	26	22	19	16	15	▶										G	0:00	0:07
H	46	39	35	31	28	24	20	18	16	▶										H	0:00	0:15
I	50	43	38	34	31	26	22	19	17	▶										I	0:00	0:11
J	55	47	41	37	33	28	24	21	18	▶										J	0:00	0:05
K	60	51	45	40	36	30	25	22	20	▶										K	0:00	0:04
L	65	55	48	43	38	32	27	24	21	▶										L	0:00	0:04
M	71	60	52	46	41	34	29	25	22	▶										M	0:00	0:03
N	77	64	56	49	44	36	31	27	24	▶										N	0:00	0:03
O	83	69	60	52	47	39	33	29	25	▶										O	0:00	0:03
P	90	75	64	56	50	41	35	30	27	▶										P	0:00	0:03
Q	97	80	68	60	53	43	37	32	28	▶										Q	0:00	0:03
R	106	86	73	64	56	46	38	34	29	▶										R	0:00	0:03
S	115	93	78	68	60	48	39	35	30	▶										S	0:00	0:03
T	125	100	83	72	63	51	40	35	30	▶										T	0:00	0:03
U	137	107	89	76	67	53	40	35	30	▶										U	0:00	0:03
V	150	115	95	81	71	55	40	35	30	▶										V	0:00	0:03
W	166	125	101	86	75	55	40	35	30	▶										W	0:00	0:03
X	186	135	108	90	78	58	40	35	30	▶										X	0:00	0:03
Y	211	146	115	95	81	60	40	35	30	▶										Y	0:00	0:03
Z	220	155	115	95	81	60	40	35	30	▶										Z	0:00	0:03

55
NO DECOMPRESSION
LIMITS

SAFETY STOP
REQUIRED

DEPTH SHOWN
FOR CONTINGENCY
PLANNING ONLY

IMPERIAL

TABLE 1
NO DECOMPRESSION
LIMITS AND GROUP
DESIGNATION TABLE

For planning
dives with
EANx 36 only
by certified
enriched air
divers.



EANx36 ONLY ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼

DO NOT USE TO PLAN AIR DIVES

CONTINUE ON OTHER SIDE

EANx 36

		PRESSURE GROUP AT END OF SURFACE INTERVAL																									
		Z	Y	X	W	V	U	T	S	R	Q	P	O	N	M	L	K	J	I	H	G	F	E	D	C	B	A
O ₂ p.p. (ata)	DEPTH (feet)	220	211	186	166	150	137	125	115	106	97	90	83	77	71	65	60	55	50	46	41	37	33	30	26	20	10
0.91	50	9	34	54	70	83	95	105	114	123	130	137	143	149	155	160	165	170	174	179	183	187	190	194	200	210	
0.96	55	155	146	135	125	115	107	100	93	86	80	75	69	64	60	55	51	47	43	39	36	32	29	26	23	17	9
1.01	60		115	108	101	95	89	83	78	73	68	64	60	56	52	48	45	41	38	35	32	29	26	23	20	15	8
1.07	65			90	86	81	76	72	68	64	60	56	52	48	45	41	38	35	32	29	26	23	20	18	14	7	7
1.12	70				75	71	67	63	60	56	53	50	47	44	41	38	36	33	31	28	26	23	21	19	17	13	7
1.23	80					55	53	51	48	46	43	41	39	36	34	32	30	28	26	24	22	20	18	16	14	11	6
1.34	90						4	7	9	12	14	16	19	21	23	25	27	29	31	33	35	37	39	41	44	49	5
1.45	100							40	39	38	37	35	33	31	29	27	25	24	22	20	19	17	15	14	12	9	5
1.56	110								35	34	32	30	29	27	25	24	22	21	19	18	16	15	14	12	11	8	4
										29	28	27	25	24	22	21	20	18	17	16	15	13	12	11	10	7	4
											4	5	7	8	9	11	12	13	14	16	17	18	19	22	25		

DEPTH SHOWN FOR CONTINGENCY PLANNING ONLY

TABLE 3 • REPETITIVE DIVE TIMETABLE

The Recreational Dive Planner is designed specifically for planning recreational (no decompression) dives. Do not attempt to use it for planning decompression dives.

Safety Stops — A safety stop for 3 minutes at 15ft is required any time the diver comes up to or within 3 pressure groups of a no decompression limit and for any dive to a depth of 100ft or deeper.

Emergency Decompression — If a no decompression limit is exceeded by no more than 5 minutes, an 8 minute decompression stop at 15ft is mandatory. Upon surfacing, the diver must remain out of the water for at least 6 hours prior to making another dive. If a no decompression limit is exceeded by more than 5 minutes, a 15ft decompression stop of no less than 15 minutes is urged (air supply permitting). Upon surfacing, the diver must remain out of the water for at least 24 hours prior to making another dive.

Flying After Diving Recommendations
 For Dives Within the No Decompression Limits
 • Single Dives: A minimum pre-flight surface interval of 12 hours is suggested.
 • Repetitive Dives and/or Multi-day Dives: A minimum pre-flight surface interval of 18 hours is suggested.

For Dives Requiring Decompression Stops
 • A minimum pre-flight surface interval greater than 18 hours is suggested.

Diving at Altitude — Diving at altitude (1000ft or higher) requires the use of special procedures.

Special Rules for Multiple Dives
 If you are planning 3 or more dives in a day: Beginning with the first dive, if your ending pressure group after any dive is W or X, the minimum surface interval between all subsequent dives is 1 hour. If your ending pressure group after any dive is Y or Z, the minimum surface interval between all subsequent dives is 3 hours.

Note: Since little is presently known about the physiological effects of multiple dives over multiple days, divers are wise to make fewer dives and limit their exposure toward the end of a multi-day dive series.

- General Rules**
- Ascend from all dives at a rate not to exceed 60ft per minute.
 - When planning a dive in cold water or under conditions that might be strenuous, plan the dive assuming the depth is 10ft deeper than actual.
 - Plan repetitive dives so each successive dive is to a shallower depth. Limit repetitive dives to 90ft or shallower.
 - Never exceed the limits of this planner and, whenever possible, avoid diving to the limits of the planner. Depths with O₂ partial pressures greater than 1.4 ata are listed for emergency planning purposes only; do not dive to these depths.
 - Remember to track your oxygen exposure. Dive time should not exceed the shorter of table limits or oxygen exposure limits.

Yellow area indicates Residual Nitrogen Time (RNT) in minutes and is to be added to Actual Bottom Time (ABT).

Green area indicates adjusted no decompression limits. Actual Bottom Time (ABT) should not exceed this number.

$$\frac{\text{Residual Nitrogen Time (RNT)} + \text{Actual Bottom Time (ABT)}}{=} \text{Total Bottom Time (TBT)}$$

WARNING

DO NOT attempt to use these tables unless you are fully trained and certified in the use of enriched air (nitrox), or are under the supervision of a certified enriched air scuba instructor. Proper use of these tables will reduce the risk of decompression sickness and oxygen toxicity, but no table or computer can eliminate those risks.

IMPERIAL

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TABLE
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