

GROUP DESIGNATION

* Highest repetitive group that can be achieved at this depth regardless of bottom time.

Depth (feet)	No-Deco Limits (min)	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	Z
10	Unlimited	57	101	158	245	426	*										
15	Unlimited	36	60	88	121	163	217	297	449	*							
20	Unlimited	26	43	61	82	106	133	165	205	256	330	461	*				
25	1102	20	33	47	62	78	97	117	140	166	198	236	285	354	469	992	1102
30	371	17	27	38	50	62	76	91	107	125	145	167	193	223	260	307	371
35	232	14	23	32	42	52	63	74	87	100	115	131	148	168	190	215	232
40	163	12	20	27	36	44	53	63	73	84	95	108	121	135	151	163	
45	125	11	17	24	31	39	46	55	63	72	82	92	102	114	125		
50	92	9	15	21	28	34	41	48	56	63	71	80	89	92			
55	74	8	14	19	25	31	37	43	50	56	63	71	74				
60	63	7	12	17	22	28	33	39	45	51	57	63					
70	48	6	10	14	19	23	28	32	37	42	47	48					
80	39	5	9	12	16	20	24	28	32	36	39						
90	33	4	7	11	14	17	21	24	28	31	33						
100	25	4	6	9	12	15	18	21	25								
110	20	3	6	8	11	14	16	19	20								
120	15	3	5	7	10	12	15										
130	12	2	4	6	9	11	12										
140	10	2	4	6	8	10											
150	8		3	5	7	8											
160	7		3	5	6	7											
170	6			4	6												
180	6			4	5	6											
190	5			3	5												

WARNING:
Even strict compliance with these charts will not guarantee avoidance of decompression sickness. Conservative usage is strongly recommended.

* Dives following surface intervals longer than this are not repetitive dives. Use actual bottom times in the Air Decompression Tables to compute decompression for such dives.

Locate the diver's repetitive group designation from his previous dive along the diagonal line above the table. Read horizontally to the interval in which the diver's surface interval lies.

Next, read vertically downward to the new repetitive group designation. Continue downward in this same column to the row that represents the depth of the repetitive dive. The time given at the intersection is residual nitrogen time, in minutes, to be applied to the repetitive dive.

Repetitive Dive Depth (feet)

Repetitive Group at the End of the Surface Interval

	Z	O	N	M	L	K	J	I	H	G	F	E	D	C	B	A
10	**	**	**	**	**	**	**	**	**	**	**	427	246	159	101	58
15	**	**	**	**	**	**	**	**	**	298	218	164	122	89	61	37
20	**	**	**	**	**	462	331	257	206	166	134	106	83	62	44	27
25	†	†	470	354	286	237	198	167	141	118	98	79	63	48	34	21
30	372	308	261	224	194	168	146	126	108	92	77	63	51	39	28	18
35	245	216	191	169	149	132	116	101	88	75	64	53	43	33	24	15
40	188	169	152	136	122	109	97	85	74	64	55	45	37	29	21	13
45	154	140	127	115	104	93	83	73	64	56	48	40	32	25	18	12
50	131	120	109	99	90	81	73	65	57	49	42	35	29	23	17	11
55	114	105	96	88	80	72	65	58	51	44	38	32	26	20	15	10
60	101	93	86	79	72	65	58	52	46	40	35	29	24	19	14	9
70	83	77	71	65	59	54	49	44	39	34	29	25	20	16	12	8
80	70	65	60	55	51	46	42	38	33	29	25	22	18	14	10	7
90	61	57	52	48	44	41	37	33	29	26	22	19	16	12	9	6
100	54	50	47	43	40	36	33	30	26	23	20	17	14	11	8	5
110	48	45	42	39	36	33	30	27	24	21	18	16	13	10	8	5
120	44	41	38	35	32	30	27	24	22	19	17	14	12	9	7	5
130	40	37	35	32	30	27	25	22	20	18	15	13	11	9	6	4
140	37	34	32	30	27	25	23	21	19	16	14	12	10	8	6	4
150	34	32	30	28	26	23	21	19	17	15	13	11	9	7	5	4
160	32	30	28	26	24	22	20	18	16	14	13	11	9	7	5	4
170	30	28	26	24	22	21	19	17	15	14	12	10	8	7	5	3
180	28	26	25	23	21	19	18	16	14	13	11	10	8	6	5	3
190	26	25	23	22	20	18	17	15	14	12	11	9	8	6	5	3

Residual Nitrogen Times (Minutes)

© International Training 2010-2013
Technical Diving International
Scuba Diving International
Emergency Response
Diving International
USN SS521-AG-PRO-010 Revision 7

Item: 110520-01

** Residual Nitrogen Time cannot be determined using this table.

† Read vertically downward to the 30 fsw repetitive dive depth. Use the corresponding residual nitrogen times to compute the equivalent single dive time. Decompress using the 30 fsw air decompression table.



tdisdi.com

US Navy Air Decompression Tables

50 FSW	Time to First Stop		DECO STOP FSW		Repetitive Group	
	Bottom Time		30	20	Total Deco Time	
	min	min:sec			min:sec	
92	1:40		0	1:40	M	
95	1:00		2	3:40	M	
100	1:00		4	5:40	N	
110	1:00		8	9:40	O	
120	1:00		21	22:40	O	
130	1:00		34	35:40	Z	
140	1:00		45	46:40	Z	
150	1:00		56	57:40	Z	
160	1:00		78	79:40	Z	
170	1:00		96	97:40	Z	
180	1:00		111	112:40	Z	
190	1:00		125	126:40	Z	
200	1:00		136	137:40	Z	

55 FSW	30		20	
	min	min:sec		min:sec
74	1:50		0	1:50 L
75	1:10		1	2:50 M
80	1:10		4	5:50 M
90	1:10		10	11:50 N
100	1:10		17	18:50 O
110	1:10		34	35:50 O
120	1:10		48	49:50 Z
130	1:10		59	60:50 Z
140	1:10		84	85:50 Z
150	1:10		105	106:50 Z
160	1:10		123	124:50 Z
170	1:10		138	139:50 Z
180	1:10		151	152:50 Z

60 FSW	30		20	
	min	min:sec		min:sec
63	2:00		0	2:00 K
65	1:20		2	4:00 L
70	1:20		7	9:00 L
80	1:20		14	16:00 N
90	1:20		23	25:00 O
100	1:20		42	44:00 Z
110	1:20		57	59:00 Z
120	1:20		75	77:00 Z
130	1:20		102	104:00 Z
140	1:20		124	126:00 Z
150	1:20		143	145:00 Z
160	1:20		158	160:00 Z

70 FSW	30		20	
	min	min:sec		min:sec
48	2:20		0	2:20 K
50	1:40		2	4:20 K
55	1:40		9	11:20 L
60	1:40		14	16:20 M
70	1:40		24	26:20 N
80	1:40		44	46:20 O
90	1:40		64	66:20 Z
100	1:40		88	90:20 Z
110	1:40		120	122:20 Z
120	1:40		145	147:20 Z
130	1:40		167	169:20 Z

80 FSW	30		20	
	min	min:sec		min:sec
39	2:40		0	2:40 J
40	2:00		1	3:40 J
45	2:00		10	12:40 K
50	2:00		17	19:40 M
55	2:00		24	26:40 M
60	2:00		30	32:40 N
70	2:00		54	56:40 O
80	2:00		77	79:40 Z
90	2:00		114	116:40 Z
100	1:40		1	147 150:20 Z
110	1:40		6	171 179:20 Z

90 FSW	Time to First Stop		DECO STOP FSW		Repetitive Group	
	Bottom Time		40	30	20	Total Deco Time
	min	min:sec				min:sec
33	3:00		0	3:00	J	
35	2:20		4	7:00	J	
40	2:20		14	17:00	L	
45	2:20		23	26:00	M	
50	2:20		31	34:00	N	
55	2:20		39	42:00	O	
60	2:20		56	59:00	O	
70	2:20		83	86:00	Z	
80	2:00		5	125	132:40 Z	
90	2:00		13	158	173:40 Z	

100 FSW	40		30		20	
	min	min:sec				min:sec
25	3:20		0	3:20	H	
30	2:40		3	6:20	J	
35	2:40		15	18:20	L	
40	2:40		26	29:20	M	
45	2:40		36	39:20	N	
50	2:40		47	50:20	O	
55	2:40		65	68:20	Z	
60	2:40		81	84:20	Z	
70	2:20		11	124	138:00 Z	
80	2:20		21	160	184:00 Z	

110 FSW	40		30		20	
	min	min:sec				min:sec
20	3:40		0	3:40	H	
25	3:00		5	8:40	I	
30	3:00		14	17:40	K	
35	3:00		27	30:40	M	
40	3:00		39	42:40	N	
45	3:00		50	53:40	O	
50	3:00		71	74:40	Z	
55	2:40		5	85	93:20 Z	
60	2:40		13	111	127:20 Z	
70	2:40		26	155	184:20 Z	

120 FSW	40		30		20	
	min	min:sec				min:sec
15	4:00		0	4:00	F	
20	3:20		4	8:00	H	
25	3:20		9	13:00	J	
30	3:20		24	28:00	L	
35	3:20		38	42:00	N	
40	3:00		2	49	54:40 O	
45	3:00		3	71	77:40 Z	
50	3:00		10	85	98:40 Z	
55	3:00		19	116	138:40 Z	
60	3:00		27	142	172:40 Z	

130 FSW	40		30		20	
	min	min:sec				min:sec
12	4:20		0	4:20	F	
15	3:40		3	7:20	G	
20	3:40		8	12:20	I	
25	3:40		17	21:20	K	
30	3:20		2	32	38:00 M	
35	3:20		5	44	53:00 O	
40	3:20		6	66	76:00 Z	
45	3:00		1	11	84	99:40 Z
50	3:00		2	20	118	143:40 Z
55	3:00		4	28	146	181:40 Z
60	3:00		12	28	170	213:40 Z

140 FSW	Time to First Stop		DECO STOP FSW				Repetitive Group	
	Bottom Time		50	40	30	20	Total Deco Time	
	min	min:sec					min:sec	
10	4:40					0	4:40	E
15	4:00					5	9:40	H
20	4:00					13	17:40	J
25	3:40				3	24	31:20	L
30	3:40				7	37	48:20	N
35	3:20			2	7	58	71:00	O
40	3:20			4	7	82	97:00	Z
45	3:20			5	18	114	141:00	Z
50	3:20			8	27	145	184:00	Z
55	3:00		1	15	29	171	219:40	Z

150 FSW	50		40		30		20	
	min	min:sec						min:sec
8	5:00		0	5:00	E			
10	4:20		2	7:00	F			
15	4:20		8	13:00	H			
20	4:00		2	15	21:40 K			
25	4:00		7	29	40:40 M			
30	3:40		4	7	45	60:20 O		
35	3:40		6	7	74	91:20 Z		
40	3:20		2	6	14	106	132:00 Z	
45	3:20		3	8	24	142	181:00 Z	
50	3:20		4	14	28	170	220:00 Z	

160 FSW	60		50		40		30		20	
	min	min:sec								min:sec
7	5:20		0	5:20	E					
10	4:40		4	9:20	F					
15	4:20		2	10	17:00 I					
20	4:00		1	4	19	28:40 L				
25	4:00		4	7	35	50:40 N				
30	3:40		2	6	7	62	81:20 Z			
35	3:40		4	6	8	89	111:20 Z			
40	3:40		6	6	21	134	171:20 Z			
45	3:20		2	5	11	28	166	216:00 Z		

170 FSW	60		50		40		30		20	
	min	min:sec								min:sec
6	5:40		0	5:40	D					
10	5:00		6	11:40	G					
15	4:40		3	13	21:20 J					
20	4:20		3	6	24	38:00 M				
25	4:00		1	7	7	41	60:40 O			
30	4:00		5	7	7	77	100:40 Z			
35	3:40		2	6	6	15	120	153:20 Z		
40	3:40		4	6	9	25	158	206:20 Z		
45	3:40		5	7	16	28	197	257:20 Z		

180 FSW	70		60		50		40		30		20	
	min	min:sec										min:sec
6	6:00		0	6:00	E							
10	5:20		8	14:00	G							
15	4:40		2	3	14	24:20 K						
20	4:20		1	5	7	29	47:00 M					
25	4:20		5	6	7	57	80:00 O					
30	4:00		3	6	6	7	95	121:40 Z				
35	3:40		1	5	6	6	22	144	188:20 Z			

190 FSW			70	60	50	40	30	20		
	min	min:sec							min:sec	
	5	6:20						0	6:20	D
	10	5:20					2	8	16:00	H
	15	4:40			1	3	3	16	28:20	K
	20	4:20	1	2	6	7	34	55:00	N	
	25	4:20	2	6	7	7	72	99:00	Z	
	30	4:00	1	6	5	7	13	122	158:40	Z
	35	4:00	4	5	6	8	26	165	218:40	Z