

Table 9-6. Unlimited/No-Decompression Limits and Repetitive Group Designation Table for Unlimited/No-Decompression Air Dives.

Depth (feet/meters)	No-Decompression Limits (min)	Group Designation															
		A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	
10	3.0	unlimited	60	120	210	300	797	*									
15	4.6	unlimited	35	70	110	160	225	350	452	*							
20	6.1	unlimited	25	50	75	100	135	180	240	325	390	917	*				
25	7.6	595	20	35	55	75	100	125	160	195	245	315	361	540	595		
30	9.1	405	15	30	45	60	75	95	120	145	170	205	250	310	344	405	
35	10.7	310	5	15	25	40	50	60	80	100	120	140	160	190	220	270	310
40	12.2	200	5	15	25	30	40	50	70	80	100	110	130	150	170	200	
50	15.2	100		10	15	25	30	40	50	60	70	80	90	100			
60	18.2	60		10	15	20	25	30	40	50	55	60					
70	21.3	50		5	10	15	20	30	35	40	45	50					
80	24.4	40		5	10	15	20	25	30	35	40						
90	27.4	30		5	10	12	15	20	25	30							
100	30.5	25		5	7	10	15	20	22	25							
110	33.5	20			5	10	13	15	20								
120	36.6	15			5	10	12	15									
130	39.6	10			5	8	10										
140	42.7	10			5	7	10										
150	45.7	5			5												
160	48.8	5					5										
170	51.8	5					5										
180	54.8	5					5										
190	59.9	5					5										

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

Table 9-7. Residual Nitrogen Timetable for Repetitive Air 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.

* Dives following surface intervals of more than 12 hours are not repetitive dives. Use actual bottom times in the Standard Air Decompression Tables to compute decompression for such dives.

** If no Residual Nitrogen Time is given, then the repetitive group does not change.

		Repetitive group at the beginning of the surface interval															
		Z	O	N	M	L	K	J	I	H	G	F	E	D	C	B	A
Repetitive Dive Depth		New Repetitive Group Designation															
feet/meters		Z	O	N	M	L	K	J	I	H	G	F	E	D	C	B	A
10	3.0	**	**	**	**	**	**	**	**	**	**	**	797	279	159	88	39
20	6.1	**	**	**	**	**	**	917	399	279	208	159	120	88	62	39	18
30	9.1	†	†	†	349	279	229	190	159	132	109	88	70	54	39	25	12
40	12.2	257	241	213	187	161	138	116	101	87	73	61	49	37	25	17	7
50	15.2	169	160	142	124	111	99	87	76	66	56	47	38	29	21	13	6
60	16.2	122	117	107	97	88	79	70	61	52	44	36	30	24	17	11	5
70	21.3	100	96	87	80	72	64	57	50	43	37	31	26	20	15	9	4
80	24.4	84	80	73	68	61	54	48	43	38	32	28	23	18	13	8	4
90	27.4	73	70	64	58	53	47	43	38	33	29	24	20	16	11	7	3
100	30.5	64	62	57	52	48	43	38	34	30	26	22	18	14	10	7	3
110	33.5	57	55	51	47	42	38	34	31	27	24	20	16	13	10	6	3
120	36.6	52	50	46	43	39	35	32	28	25	21	18	15	12	9	6	3
130	39.6	46	44	40	38	35	31	28	25	22	19	16	13	11	8	6	3
140	42.7	42	40	38	35	32	29	26	23	20	18	15	12	10	7	5	2
150	45.7	40	38	35	32	30	27	24	22	19	17	14	12	9	7	5	2
160	48.8	37	36	33	31	28	26	23	20	18	16	13	11	9	6	4	2
170	51.8	35	34	31	29	26	24	22	19	17	15	12	10	8	6	4	2
180	54.8	32	31	29	27	25	22	20	18	16	14	11	10	8	6	4	2
190	59.9	31	30	28	26	24	21	19	17	15	13	10	10	8	6	4	2

Residual Nitrogen Times (Minutes)

† Read vertically downward to the 40/12.2 (feet/meter) repetitive dive depth. Use the corresponding residual nitrogen times (minutes) to compute the equivalent single dive time. Decompress using the 40/12.2 (feet/meter) standard air decompression table.

Table 9-8. U.S. Navy Standard Air Decompression Table.

Depth feet/meters	Bottom time (min)	Time first stop (min:sec)	Decompression stops ^(feet/meters)					Total decompression time (min:sec)	Repetitive group
			50 15.2	40 12.1	30 9.1	20 6.0	10 3.0		
40 12.1	200						0	1:20	*
	210	1:00					2	3:20	N
	230	1:00					7	8:20	N
	250	1:00					11	12:20	O
	270	1:00					15	16:20	O
	300	1:00					19	20:20	Z

Exceptional
Exposure

360	1:00					23	24:20	**
480	1:00					41	42:20	**
720	1:00					69	70:20	**

50
15.2

100						0	1:40	*
110	1:20					3	4:40	L
120	1:20					5	6:40	M
140	1:20					10	11:40	M
160	1:20					21	22:40	N
180	1:20					29	30:40	O
200	1:20					35	36:40	O
220	1:20					40	41:40	Z
240	1:20					47	48:40	Z

60
18.2

60						0	2:00	*
70	1:40					2	4:00	K
80	1:40					7	9:00	L
100	1:40					14	16:00	M
120	1:40					26	28:00	N
140	1:40					39	41:00	O
160	1:40					48	50:00	Z
180	1:40					56	58:00	Z
200	1:20				1	69	72:00	Z

Exceptional
Exposure

240	1:20				2	79	83:00	**
360	1:20				20	119	141:00	**
480	1:20				44	148	194:00	**
720	1:20				78	187	267:00	**

70
21.3

50						0	2:20	*
60	2:00					8	10:20	K
70	2:00					14	16:20	L
80	2:00					18	20:20	M
90	2:00					23	25:20	N
100	2:00					33	35:20	N
110	1:40				2	41	45:20	O
120	1:40				4	47	53:20	O
130	1:40				6	52	60:20	O
140	1:40				8	56	66:20	Z
150	1:40				9	61	72:20	Z
160	1:40				13	72	87:20	Z
170	1:40				19	79	100:20	Z

* See No Decompression Table for repetitive groups

** Repetitive dives may not follow exceptional exposure dives

Table 9-8. U.S. Navy Standard Air Decompression Table (Continued).

**80
24.3**

Depth feet/meters	Bottom time (min)	Time first stop (min:sec)	Decompression stops ^(feet/meters)					Total decompression time (min:sec)	Repetitive group
			50 15.2	40 12.1	30 9.1	20 6.0	10 3.0		
40							0	2:40	*
50		2:20					10	12:40	K
60		2:20					17	19:40	L
70		2:20					23	25:40	M
80		2:00				2	31	35:40	N
90		2:00				7	39	48:40	N
100		2:00				11	46	59:40	O
110		2:00				13	53	68:40	O
120		2:00				17	56	75:40	Z
130		2:00				19	63	83:40	Z
140		2:00				26	69	97:40	Z
150		2:00				32	77	111:40	Z

Exceptional
Exposure

180	2:00				35	85	122:40	**
240	1:40			6	52	120	180:40	**
360	1:40			29	90	160	281:40	**
480	1:40			59	107	187	355:40	**
720	1:20		17	108	142	187	456:40	**

**90
28.7**

30						0	3:00	*
40		2:40				7	10:00	J
50		2:40				18	21:00	L
60		2:40				25	28:00	M
70		2:20			7	30	40:00	N
80		2:20			13	40	56:00	N
90		2:20			18	48	69:00	O
100		2:20			21	54	78:00	Z
110		2:20			24	61	88:00	Z
120		2:20			32	68	103:00	Z
130		2:00		5	36	74	118:00	Z

**100
30.4**

25						0	3:20	*
30		3:00				3	6:20	I
40		3:00				15	18:20	K
50		2:40			2	24	29:20	L
60		2:40			9	28	40:20	N
70		2:40			17	39	59:20	O
80		2:40			23	48	74:20	O
90		2:20		3	23	57	86:20	Z
100		2:20		7	23	66	99:20	Z
110		2:20		10	34	72	119:20	Z
120		2:20		12	41	78	134:20	Z

Exceptional
Exposure

180	2:00		1	29	53	118	204:20	**
240	2:00		14	42	84	142	285:20	**
360	1:40	2	42	73	111	187	418:20	**
480	1:40	21	61	91	142	187	505:20	**
720	1:40	55	106	122	142	187	615:20	**

* See No Decompression Table for repetitive groups
 ** Repetitive dives may not follow exceptional exposure dives

Table 9-8. U.S. Navy Standard Air Decompression Table (Continued).

110
33.1

Depth feet/meters	Bottom time (min)	Time first stop (min:sec)	Decompression stops ^(feet/meters)					Total decompression time (min:sec)	Repetitive group
			50 15.2	40 12.1	30 9.1	20 6.0	10 3.0		
20							0	3:40	*
25	3:20						3	6:40	H
30	3:20						7	10:40	J
40	3:00					2	21	26:40	L
50	3:00					8	26	37:40	M
60	3:00					18	36	57:40	N
70	2:40				1	23	48	75:40	O
80	2:40				7	23	57	90:40	Z
90	2:40				12	30	64	109:40	Z
100	2:40				15	37	72	127:40	Z

120
36.5

Depth feet/meters	Bottom time (min)	Time first stop (min:sec)	Decompression stops ^(feet/meters)						Total decompression time (min:sec)	Repetitive group	
			70 21.3	60 18.2	50 15.2	40 12.1	30 9.1	20 6.0			10 3.0
15								0	4:00	*	
20	3:40							2	6:00	H	
25	3:40							6	10:00	I	
30	3:40							14	18:00	J	
40	3:20							5	25	34:00	L
50	3:20							15	31	50:00	N
60	3:00						2	22	45	73:00	O
70	3:00						9	23	55	91:00	O
80	3:00						15	27	63	109:00	Z
90	3:00						19	37	74	134:00	Z
100	3:00						23	45	80	152:00	Z

Exceptional
Exposure

120	2:40				10	19	47	98	178:00	**
180	2:20			5	27	37	76	137	286:00	**
240	2:20			23	35	60	97	179	398:00	**
360	2:00		18	45	64	93	142	187	553:00	**
480	1:40	3	41	64	93	122	142	187	656:00	**
720	1:40	32	74	100	114	122	142	187	775:00	**

130
39.6

10								0	4:20	*	
15	4:00							1	5:20	F	
20	4:00							4	8:20	H	
25	4:00							10	14:20	J	
30	3:40							3	18	25:20	M
40	3:40							10	25	39:20	N
50	3:20						3	21	37	65:20	O
60	3:20						9	23	52	88:20	Z
70	3:20						16	24	61	105:20	Z
80	3:00					3	19	35	72	133:20	Z
90	3:00					8	19	45	80	156:20	Z

* See No Decompression Table for repetitive groups

** Repetitive dives may not follow exceptional exposure dives

Table 9-8. U.S. Navy Standard Air Decompression Table (Continued).

**Depth
feet/meters**

**140
42.6**

Bottom time (min)	Time first stop (min:sec)	Decompression stops ^(feet/meters)										Total decompression time (min:sec)	Repetitive group
		90	80	70	60	50	40	30	20	10			
		27.4	24.3	21.3	18.2	15.2	12.1	9.1	6.0	3.0			
10											0	4:40	*
15	4:20										2	6:40	G
20	4:20										6	10:40	I
25	4:00									2	14	20:40	J
30	4:00									5	21	30:40	K
40	3:40								2	16	26	48:40	N
50	3:40								6	24	44	78:40	O
60	3:40								16	23	56	99:40	Z
70	3:20							4	19	32	68	127:40	Z
80	3:20							10	23	41	79	157:40	Z

Exceptional
Exposure

90	3:00					2	14	18	42	88	168:40	**
120	3:00					12	14	36	56	120	242:40	**
180	2:40				10	26	32	54	94	168	388:40	**
240	2:20			8	28	34	50	78	124	187	513:40	**
360	2:00		9	32	42	64	84	122	142	187	686:40	**
480	2:00		31	44	59	100	114	122	142	187	803:40	**
720	1:40	16	56	88	97	100	114	122	142	187	926:40	**

**150
45.7**

5											0	5:00	C
10	4:40										1	6:00	E
15	4:40										3	8:00	G
20	4:20								2	7	14	14:00	H
25	4:20								4	17	26	26:00	K
30	4:20								8	24	37	37:00	L
40	4:00							5	19	33	62	62:00	N
50	4:00							12	23	51	91	91:00	O
60	3:40							3	19	26	62	115:00	Z
70	3:40							11	19	39	75	149:00	Z
80	3:20					1	17	19	50	84	176	176:00	Z

**160
48.7**

5											0	5:20	D
10	5:00										1	6:20	F
15	4:40									1	4	10:20	H
20	4:40									3	11	19:20	J
25	4:40									7	20	32:20	K
30	4:20							2	11	25	43	43:20	M
40	4:20							7	23	39	74	74:20	N
50	4:00							2	16	23	55	101:20	Z
60	4:00							9	19	33	69	135:20	Z

Exceptional
Exposure

70	3:40					1	17	22	44	80	169	169:20	**
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* See No Decompression Table for repetitive groups
 ** Repetitive dives may not follow exceptional exposure dives

Table 9-8. U.S. Navy Standard Air Decompression Table (Continued).

**170
51.8**

Depth feet/meters	Bottom time (min)	Time first stop (min:sec)	Decompression stops ^{feet/meters}										Total decompression time (min:sec)	Repetitive group					
			110 33.5	100 30.4	90 27.4	80 24.3	70 21.3	60 18.2	50 15.2	40 12.1	30 9.1	20 6.0			10 3.0				
5														0	5:40	D			
10	5:20													2	7:40	F			
15	5:00												2	5	12:40	H			
20	5:00												4	15	24:40	J			
25	4:40												2	7	23	37:40	L		
30	4:40												4	13	26	48:40	M		
40	4:20												1	10	23	45	84:40	O	
50	4:20												5	18	23	61	112:40	Z	
60	4:00												2	15	22	37	74	155:40	Z

Exceptional
Exposure

70	4:00								8	17	19	51	86	186:40	**	
90	3:40								12	12	14	34	52	120	249:40	**
120	3:00				2	10	12	18	32	42	82	156	359:40	**		
180	2:40			4	10	22	28	34	50	78	120	187	538:40	**		
240	2:40			18	24	30	42	50	70	116	142	187	684:40	**		
360	2:20			22	34	40	52	60	98	114	122	142	187	876:40	**	
480	2:00		14	40	42	56	91	97	100	114	122	142	187	1010:40	**	

**180
54.8**

5														0	6:00	D				
10	5:40													3	9:00	F				
15	5:20													3	6	15:00	I			
20	5:00													1	5	17	29:00	J		
25	5:00													3	10	24	43:00	L		
30	5:00													6	17	27	56:00	N		
40	4:40													3	14	23	50	96:00	O	
50	4:20													2	9	19	30	65	131:00	Z
60	4:20													5	16	19	44	81	171:00	Z

**190
57.9**

5	5:40														0	6:20	D			
10	5:40														1	3	10:20	G		
15	5:40														6	7	17:20	I		
20	5:20														2	6	20	34:20	K	
25	5:20														5	11	25	47:20	M	
30	5:00														1	8	19	32	66:20	N
40	5:00														8	14	23	55	106:20	O

Exceptional
Exposure

50	4:40														4	13	22	33	72	150:20	**
60	4:40														10	17	19	50	84	186:20	**

* See No Decompression Table for repetitive groups
 ** Repetitive dives may not follow exceptional exposure dives

Table 9-8. U.S. Navy Standard Air Decompression Table (Continued).

**200
60.9**

Depth feet/meters	Bottom time (min)	Time first stop (min:sec)	Decompression stops (feet/meters)											Total decompression time (min:sec)						
			130	120	110	100	90	80	70	60	50	40	30		20	10				
			39.6	36.5	33.5	30.4	27.4	24.3	21.3	18.2	15.2	12.1	9.1	6.0	3.0					
Exceptional Exposure																				
5	6:20														1	7:40				
10	6:00														1	4	11:40			
15	5:40													1	4	10	21:40			
20	5:40													3	7	27	43:40			
25	5:40													7	14	25	52:40			
30	5:20													2	9	22	37	76:40		
40	5:00													2	8	17	23	59	115:40	
50	5:00													6	16	22	39	75	164:40	
60	4:40													2	13	17	24	51	89	202:40
90	3:40						1	10	10	10	12	12	30	38	74	134				327:40
120	3:20					6	10	10	10	24	28	40	64	98	180					476:40
180	2:40			1	10	10	18	24	24	42	48	70	106	142	187					688:40
240	2:40			6	20	24	24	36	42	54	68	114	122	142	187					845:40
360	2:20		12	22	36	40	44	56	82	98	100	114	122	142	187					1061:40

**210
64.0**

Exceptional Exposure																					
5	6:40															1	8:00				
10	6:20															2	4	13:00			
15	6:00														1	5	13	26:00			
20	6:00														4	10	23	44:00			
25	5:40														2	7	17	27	60:00		
30	5:40														4	9	24	41	85:00		
40	5:20														4	9	19	26	63	128:00	
50	5:20														1	9	17	19	45	80	178:00

**220
67.0**

Exceptional Exposure																					
5	7:00																1	8:20			
10	6:40																2	5	14:20		
15	6:20																2	5	16	30:20	
20	6:00														1	3	11	24	46:20		
25	6:00														3	8	19	33	70:20		
30	5:40														1	7	10	23	47	95:20	
40	5:40														6	12	22	29	68	144:20	
50	5:20														3	12	17	18	51	86	194:20

**230
70.1**

Exceptional Exposure																							
5	7:20																2	9:40					
10	6:20																1	2	6	16:40			
15	6:20																3	6	18	34:40			
20	6:20																2	5	12	26	52:40		
25	6:20																4	8	22	37	78:40		
30	6:00																2	8	12	23	51	103:40	
40	5:40																1	7	15	22	34	74	160:40
50	5:40																5	14	16	24	51	89	206:40

Table 9-8. U.S. Navy Standard Air Decompression Table (Continued).

Depth feet/meters	Bottom time (min)	Time first stop (min:sec)	Decompression stops ^(feet/meters)											Total decompression time (min:sec)			
			130	120	110	100	90	80	70	60	50	40	30		20	10	
240 73.1			39.6	36.5	33.5	30.4	27.4	24.3	21.3	18.2	15.2	12.1	9.1	6.0	3.0		
	Exceptional Exposure																
	5	7:40														2	10:00
	10	7:00												1	3	6	18:00
	15	7:00												4	6	21	39:00
	20	6:40											3	6	15	25	57:00
	25	6:20										1	4	9	24	40	86:00
30	6:20										4	8	15	22	56	113:00	
40	6:00									3	7	17	22	39	75	171:00	
50	5:40								1	8	15	16	29	51	94	222:00	

Depth feet/meters	Bottom time (min)	Time first stop (min:sec)	Decompression stops ^(feet/meters)															Total decompression time (min:sec)									
			200	190	180	170	160	150	140	130	120	110	100	90	80	70	60		50	40	30	20	10				
250 76.2			60.9	57.9	54.8	51.8	48.7	45.7	42.6	39.6	36.5	33.5	30.4	27.4	24.3	21.3	18.2	15.2	12.1	9.1	6.0	3.0					
	Exceptional Exposure																										
	5	7:40																					1	2	11:20		
	10	7:20																			1	4	7		20:20		
	15	7:00																		1	4	7	22		42:20		
	20	7:00																			4	7	17	27		63:20	
	25	6:40																		2	7	10	24	45		96:20	
	30	6:40																			6	7	17	23	59		120:20
	40	6:20																		5	9	17	19	45	79		182:20
	60	5:20													4	10	10	10	10	12	22	36	64	164		302:20	
	90	4:20									8	10	10	10	10	10	10	28	28	44	68	98	186			518:20	
	120	3:40						5	10	10	10	10	10	16	24	24	36	48	64	94	142	187				688:20	
	180	3:00				4	8	8	10	22	24	24	24	32	42	44	60	84	114	122	142	187				935:20	
240	3:00				9	14	21	22	22	40	40	42	56	76	98	100	114	122	142	187					1113:20		

Depth feet/meters	Bottom time (min)	Time first stop (min:sec)	Decompression stops ^(feet/meters)															Total decompression time (min:sec)									
			200	190	180	170	160	150	140	130	120	110	100	90	80	70	60		50	40	30	20	10				
260 79.2																											
	Exceptional Exposure																										
	5	8:00																					1	2	11:40		
	10	7:40																					2	4	9	23:40	
	15	7:20																					2	4	10	22	46:40
	20	7:00																		1	4	7	20	31		71:40	
	25	7:00																		3	8	11	23	50		103:40	
30	6:40																		2	6	8	19	26	61		130:40	
40	6:20														1	6	11	16	19	49	84				194:40		

Depth feet/meters	Bottom time (min)	Time first stop (min:sec)	Decompression stops ^(feet/meters)															Total decompression time (min:sec)										
			200	190	180	170	160	150	140	130	120	110	100	90	80	70	60		50	40	30	20	10					
270 82.3																												
	Exceptional Exposure																											
	5	8:20																					1	3	13:00			
	10	8:00																					2	5	11	27:00		
	15	7:40																				3	4	11	24	51:00		
	20	7:20																				2	3	9	21	35	79:00	
	25	7:00																				2	3	8	13	23	53	111:00
30	7:00																				3	6	12	22	27	64	143:00	
40	6:40																				5	6	11	17	22	51	88	209:00

Table 9-8. U.S. Navy Standard Air Decompression Table (Continued).

Depth feet/meters	Bottom time (min)	Time first stop (min: sec)	Decompression stops ^(feet/meters)													Total decom- pression time (min:sec)						
			200	190	180	170	160	150	140	130	120	110	100	90	80		70	60	50	40	30	20
		60.9	57.9	54.8	51.8	48.7	45.7	42.6	39.6	36.5	33.5	30.4	27.4	24.3	21.3	18.2	15.2	12.1	9.1	6.0	3.0	

Exceptional
Exposure

280
85.3

5	8:40																				2	2	13:20
10	8:00																	1	2	5	13		30:20
15	7:40																1	3	4	11	26		54:20
20	7:40																3	4	8	23	39		86:20
25	7:20															2	5	7	16	23	56		118:20
30	7:00														1	3	7	13	22	30	70		155:20
40	6:40													1	6	6	13	17	27	51	93		223:20

Exceptional
Exposure

290
88.4

5	9:00																				2	3	14:40
10	8:20																	1	3	5	16		34:40
15	8:00																1	3	6	12	26		57:40
20	8:00																3	7	9	23	43		94:40
25	7:40															3	5	8	17	23	60		125:40
30	7:20														1	5	6	16	22	36	72		167:40
40	7:00													3	5	7	15	16	32	51	95		233:40

300
91.4

Depth feet/meters	Bottom time (min)	Time first stop (min: sec)	Decompression stops ^(feet/meters)													Total decom- pression time (min:sec)						
			200	190	180	170	160	150	140	130	120	110	100	90	80		70	60	50	40	30	20
		60.9	57.9	54.8	51.8	48.7	45.7	42.6	39.6	36.5	33.5	30.4	27.4	24.3	21.3	18.2	15.2	12.1	9.1	6.0	3.0	

Exceptional
Exposure

5	9:20																				3	3	16:00
10	8:40																	1	3	6	17		37:00
15	8:20																2	3	6	15	26		62:00
20	8:00															2	3	7	10	23	47		102:00
25	7:40														1	3	6	8	19	26	61		134:00
30	7:40														2	5	7	17	22	39	75		177:00
40	7:20														4	6	9	15	17	34	51	90	236:00
60	6:00									4	10	10	10	10	10	10	14	28	32	50	90	187	465:00
90	4:40				3	8	8	8	10	10	10	10	16	24	24	34	48	64	90	142	187		698:00
120	4:00			4	8	8	8	8	10	14	24	24	24	34	42	58	66	102	122	142	187		895:00
180	3:30		6	8	8	8	14	20	21	21	28	40	40	48	56	82	98	100	114	122	142	187	1173:00

Table 9-9. Surface Decompression Table Using Oxygen.

Depth feet/meters	Bottom time (min)	Time to first stop or surface (min:sec)	Time (min) breathing air at water stops (feet/meters)				Surface Interval	Time at 40-foot chamber stop (min) on oxygen	Surface	Total decompression time (min:sec)
			60 18.2	50 15.2	40 12.1	30 9.1				
70 21.3	50	2:20							2:20	
	90	2:20					15		22:40	
	120	2:20					23		30:40	
	150	2:20					31		43:40	
	180	2:20					39		51:40	
80 24.3	40	2:40							2:40	
	70	2:40					14		22:00	
	85	2:40					20		28:00	
	100	2:40					26		34:00	
	115	2:40					31		44:00	
	130	2:40					37		50:00	
90 27.4	150	2:40					44		57:00	
	30	3:00							3:00	
	60	3:00					14		22:20	
	70	3:00					20		28:20	
	80	3:00					25		33:20	
	90	3:00					30		38:20	
	100	3:00					34		47:20	
	110	3:00					39		52:20	
100 30.4	120	3:00					43		56:20	
	130	3:00					48		61:20	
	25	3:20							3:20	
	50	3:20					14		22:40	
	60	3:20					20		28:40	
	70	3:20					26		34:40	
	80	3:20					32		45:40	
110 33.5	90	3:20					38		51:40	
	100	3:20					44		57:40	
	110	3:20					49		62:40	
	120	2:20				3	53		69:20	
	20	3:40							3:40	
110 33.5	40	3:40					12		21:00	
	50	3:40					19		28:00	
	60	3:40					26		35:00	
	70	3:40					33		47:00	
	80	2:40				1	40		55:00	
	90	2:40				2	46		62:00	
	100	2:40				5	51		70:00	
	110	2:40				12	54		80:00	

TOTAL TIME FROM LAST WATER STOP TO FIRST CHAMBER STOP NOT TO EXCEED 5 MINUTES

1-MINUTE 20 SECONDS ASCENT FROM 40 FEET IN CHAMBER TO SURFACE

Table 9-9. Surface Decompression Table Using Oxygen (Continued).

Depth feet/meters	Bottom time (min)	Time to first stop or surface (min:sec)	Time (min) breathing air at water stops (feet/meters)				Surface Interval	Time at 40-foot chamber stop (min) on oxygen	Surface	Total decompression time (min:sec)
			60 18.2	50 15.2	40 12.1	30 9.1				
120 36.5	15	4:00							4:00	
	30	4:00					9		18:20	
	40	4:00					16		25:20	
	50	4:00					24		33:20	
	60	3:00				2	32		48:20	
	70	3:00				4	39		57:20	
	80	3:00				5	46		65:20	
	90	3:00			3	7	51		75:20	
100	3:00			6	15	54		89:20		
130 39.6	10	4:20							4:20	
	30	4:20					12		21:40	
	40	4:20					21		30:40	
	50	3:20				3	29		41:40	
	60	3:20				5	37		56:40	
	70	3:20				7	45		66:40	
	80	3:00			6	7	51		78:40	
90	3:00			10	12	56		92:40		
140 42.6	10	4:40							4:40	
	25	4:40					11		21:00	
	30	4:40					15		25:00	
	35	4:40					20		30:00	
	40	3:40				2	24		36:00	
	45	3:40				4	29		43:00	
	50	3:40				6	33		54:00	
	55	3:40				7	38		60:00	
	60	3:40				8	43		66:00	
	65	3:20			3	7	48		73:00	
70	3:00		2	7	7	51		82:00		
150 45.7	5	5:00							5:00	
	25	5:00					13		23:20	
	30	5:00					18		28:20	
	35	4:00				4	23		37:20	
	40	3:40			3	6	27		46:20	
	45	3:40			5	7	33		60:20	
	50	3:20		2	5	8	38		68:20	
	55	3:00	2	5	9	4	44		79:20	

TOTAL TIME FROM LAST WATER STOP TO FIRST CHAMBER STOP NOT TO EXCEED 5 MINUTES

1-MINUTE 20 SECONDS ASCENT FROM 40 FEET IN CHAMBER TO SURFACE

Table 9-9. Surface Decompression Table Using Oxygen (Continued).

Depth feet/meters	Bottom time (min)	Time to first stop or surface (min:sec)	Time (min) breathing air at water stops (feet/meters)				Surface Interval	Time at 40-foot chamber stop (min) on oxygen	Surface	Total decompression time (min:sec)
			60 18.2	50 15.2	40 12.1	30 9.1				
160 48.7	5	5:20							5:20	
	20	5:20					11		21:40	
	25	5:20					16		26:40	
	30	4:20				2	21		33:40	
	35	4:00			4	6	26		46:40	
	40	3:40		3	5	8	32		63:40	
	45	3:20	3	4	8	6	38		74:40	
170 51.8	5	5:40							5:40	
	20	5:40					13		24:00	
	25	5:40					19		30:00	
	30	4:20			3	5	23		42:00	
	35	4:00		4	4	7	29		55:00	
	40	3:40	4	4	8	6	36		74:00	

TOTAL TIME FROM LAST WATER STOP TO FIRST CHAMBER STOP NOT TO EXCEED 5 MINUTES

1-MINUTE 20 SECONDS ASCENT FROM 40 FEET IN CHAMBER TO SURFACE

Table 9-10. Surface Decompression Table Using Air.

Depth feet/meters	Bottom time (min)	Time to first stop or surface (min:sec)	Time (min) at water stops (feet/meters)			Surface Interval	Chamber stops (air) (min) (feet/meters)		Total decompression time (min:sec)
			30 9.1	20 6.0	10 3.0		20 6.0	10 3.0	
40 12.1	230	1:00			3			7	15:20
	250	1:00			3			11	19:20
	270	1:00			3			15	23:20
	300	1:00			3			19	27:20

50 15.2	120	1:20			3			5	13:40
	140	1:20			3			10	18:40
	160	1:20			3			21	29:40
	180	1:20			3			29	37:40
	200	1:20			3			35	43:40
	220	1:20			3			40	48:40
	240	1:20			3			47	55:40

60 18.2	80	1:40			3			7	16:00
	100	1:40			3			14	23:00
	120	1:40			3			26	35:00
	140	1:40			3			39	48:00
	160	1:40			3			48	57:00
	180	1:40			3			56	65:00
	200	1:20		3			3	69	81:30

70 21.3	60	2:00			3			8	17:20
	70	2:00			3			14	23:20
	80	2:00			3			18	27:20
	90	2:00			3			23	32:20
	100	2:00			3			33	42:20
	110	1:40		3			3	41	53:50
	120	1:40		3			4	47	60:50
	130	1:40		3			6	52	67:50
	140	1:40		3			8	56	73:50
	150	1:40		3			9	61	79:50
	160	1:40		3			13	72	94:50
	170	1:40		3			19	79	107:50

80 24.3	50	2:20			3			10	19:40
	60	2:20			3			17	26:40
	70	2:20			3			23	32:40
	80	2:00		3			3	31	44:10
	90	2:00		3			7	39	56:10
	100	2:00		3			11	46	67:10
	110	2:00		3			13	53	76:10
	120	2:00		3			17	56	83:10
	130	2:00		3			19	63	92:10
	140	2:00		26			26	69	128:10
	150	2:00		32			32	77	148:10

Table 9-10. Surface Decompression Table Using Air (Continued).

Depth feet/meters	Bottom time (min)	Time to first stop or surface (min:sec)	Time (min) at water stops (feet/meters)			Surface Interval	Chamber stops (air) (min) (feet/meters)		Total decompression time (min:sec)
			30	20	10		20	10	
			9.1	6.0	3.0		6.0	3.0	
90 27.4	40	2:40			3			7	17:00
	50	2:40			3			18	28:00
	60	2:40			3			25	35:00
	70	2:20		3			7	30	47:30
	80	2:20		13			13	40	73:30
	90	2:20		18			18	48	91:30
	100	2:20		21			21	54	103:30
	110	2:20		24			24	61	116:30
	120	2:20		32			32	68	139:30
	130	2:00	5	36			36	74	158:30
100 30.4	40	3:00			3			15	25:20
	50	2:40		3			3	24	37:50
	60	2:40		3			9	28	47:50
	70	2:40		3			17	39	66:50
	80	2:40		23			23	48	101:50
	90	2:20	3	23			23	57	113:50
	100	2:20	7	23			23	66	126:50
	110	2:20	10	34			34	72	157:50
	120	2:20	12	41			41	78	179:50
110 33.5	30	3:20			3			7	17:40
	40	3:00		3			3	21	35:10
	50	3:00		3			8	26	45:10
	60	3:00		18			18	36	80:10
	70	2:40	1	23			23	48	103:10
	80	2:40	7	23			23	57	118:10
	90	2:40	12	30			30	64	144:10
	100	2:40	15	37			37	72	169:10
120 35.5	25	3:40			3			6	17:00
	30	3:40			3			14	25:00
	40	3:20		3			5	25	41:30
	50	3:20		15			15	31	69:30
	60	3:00	2	22			22	45	99:30
	70	3:00	9	23			23	55	118:30
	80	3:00	15	27			27	63	140:30
	90	3:00	19	37			37	74	175:30
	100	3:00	23	45			45	80	201:30

Table 9-10. Surface Decompression Table Using Air (Continued).

Depth feet/meters	Bottom time (min)	Time to first stop or surface (min:sec)	Time (min) at water stops (feet/meters)					Surface Interval	Chamber stops (air) (min) (feet/meters)		Total decompression time (min:sec)
			50	40	30	20	10		20	10	
			15.2	12.1	9.1	6.0	3.0		6.0	3.0	
130 39.6	25	4:00					3		10	21:20	
	30	3:40				3		3	18	32:50	
	40	3:40				10		10	25	53:50	
	50	3:20			3	21		21	37	90:50	
	60	3:20			9	23		23	52	115:50	
	70	3:20			16	24		24	61	133:50	
	80	3:00		3	19	35		35	72	172:50	
	90	3:00		8	19	45		45	80	205:50	
140 42.6	20	4:20					3		6	17:40	
	25	4:00				3		3	14	29:10	
	30	4:00				5		5	21	40:10	
	40	3:40			2	16		16	26	69:10	
	50	3:40			6	24		24	44	107:10	
	60	3:40			16	23		23	56	127:10	
	70	3:20		4	19	32		32	68	164:10	
	80	3:20		10	23	41		41	79	203:10	
150 45.7	20	4:20				3		3	7	22:30	
	25	4:20				4		4	17	34:30	
	30	4:20				8		8	24	49:30	
	40	4:00			5	19		19	33	85:30	
	50	4:00			12	23		23	51	118:30	
	60	3:40		3	19	26		26	62	145:30	
	70	3:40		11	19	39		39	75	192:30	
	80	3:20		1	17	19	50	50	84	230:30	
160 48.7	20	4:40				3		3	11	26:50	
	25	4:40				7		7	20	43:50	
	30	4:20			2	11		11	25	58:50	
	40	4:20			7	23		23	39	101:50	
	50	4:00		2	16	23		23	55	128:50	
	60	4:00		9	19	33		33	69	172:50	
	70	3:40		1	17	22	44	44	80	217:50	
	170 51.8	15	5:00				3		3	5	21:10
20		5:00				4		4	15	33:10	
25		4:40			2	7		7	23	49:10	
30		4:40			4	13		13	26	66:10	
40		4:20		1	10	23		23	45	112:10	
50		4:20		5	18	23		23	61	140:10	
60		4:00		2	15	22	37	37	74	197:10	
70		4:00		8	17	19	51	51	86	242:10	

Table 9-10. Surface Decompression Table Using Air (Continued).

Depth feet/meters	Bottom time (min)	Time to first stop or surface (min:sec)	Time (min) at water stops (feet/meters)					Surface Interval	Chamber stops (air) (min) (feet/meters)		Total decompression time (min:sec)
			50	40	30	20	10		20	10	
			15.2	12.1	9.1	6.0	3.0		6.0	3.0	
180 54.8	15	5:20				3			3	6	22:30
	20	5:00			1	5			5	17	38:30
	25	5:00			3	10			10	24	57:30
	30	5:00			6	17			17	27	77:30
	40	4:40		3	14	23			23	50	123:30
	50	4:20	2	9	19	30			30	65	165:30
	60	4:20	5	16	19	44			44	81	219:30
190 57.9	15	5:40				4			4	7	25:50
	20	5:20			2	6			6	20	44:50
	25	5:20			5	11			11	25	62:50
	30	5:00		1	8	19			19	32	89:50
	40	5:00		8	14	23			23	55	133:50
	50	4:40	4	13	22	33			33	72	187:50
	60	4:40	10	17	19	50			50	84	240:50