

**Table 1: Buhlmann Air Decompression Tables**

Sea Level (0-700m)

Depth Meters	Time Min	Decompression Stop Depth				Time Min	Rep Group	TOT Min
		12M	9M	6M	3M			
<b>9</b>	25			1		11	A	14.4
	37			1		13	B	16.4
	55			1		20	C	23.4
	81			1		25	E	28.4
<b>12</b>	19			1		30	E	34.4
	25			1		35	F	41.4
	37			1		40	F	50.4
	57			1		50	F	50.4
	82			1		50	G	69.4
<b>15</b>	16			1		10	A	13.7
	20			1		12	B	15.7
	29			1		18	C	21.7
	41			1		20	E	23.7
	59			1		30	F	37.7
	75			1		35	F	47.7
	80			1		40	G	57.7
	80			3		45	G	68.7
<b>18</b>	14			1		9	A	13
	17			1		11	B	15
	25			1		16	C	20
	33			1		20	D	25
	44			1		25	E	33
	51			1		30	F	42
	60			5		35	F	55
	70			11		40	G	65
	80			18		45	G	80
	80			18		45	G	80
<b>21</b>	12			1		8	A	12.3
	15			1		10	B	14.3
	22			1		14	C	18.3
	28			1		20	D	27.3
	35			1		25	E	37.3
	40			5		30	E	48.3
	50			8		35	F	61.3
	60			16		40	G	76.3
	60			16		40	G	76.3
	60			16		40	G	76.3
<b>24</b>	11			1		11	A	14.4
	13			1		13	B	16.4
	20			1		20	C	23.4
	25			1		25	E	28.4
	30			2		30	E	34.4
	35			4		35	F	41.4
	40			8		40	F	50.4
	50			17		50	F	50.4
	50			17		50	G	69.4
	50			17		50	G	69.4
<b>27</b>	10			1		10	A	13.7
	12			1		12	B	15.7
	18			1		18	C	21.7
	20			1		20	E	23.7
	30			5		30	F	37.7
	35			10		35	F	47.7
	40			13		40	G	57.7
	45			18		45	G	68.7
	45			18		45	G	68.7
	45			18		45	G	68.7
<b>30</b>	9			1		9	A	13
	11			1		11	B	15
	16			1		16	C	20
	20			2		20	D	25
	25			5		25	E	33
	30			7		30	F	42
	35			14		35	F	55
	40			17		40	G	65
	45			23		45	G	80
	45			23		45	G	80
<b>33</b>	8			1		8	A	12.3
	10			1		10	B	14.3
	14			1		14	D	18.3
	20			4		20	E	27.3
	25			7		25	F	37.3
	30			11		30	F	48.3
	35			17		35	G	61.3
	40			13		40	G	76.3
	40			13		40	G	76.3
	40			13		40	G	76.3



Depth Meters	Time Min	Decompression Stop Depth				Rep Group	TOT Min
		12M	9M	6M	3M		
<b>48</b>	6				1	B	11.8
	8				1	C	13.8
	9				3	E	16.8
	12			2	5	E	23.8
	15			4	6	F	29.8
	18		3	4	10	F	39.8
	21		4	6	16	G	51.8
24	2	4	7	22	G	63.8	
<b>51</b>	5				1	B	11.1
	7				1	C	13.1
	9				4	E	18.1
	12			3	6	E	25.1
	15		2	4	8	F	34.1
	18		4	5	13	F	45.1
	21	3	4	7	18	G	58.1
<b>54</b>	5				1	B	11.4
	7				1	C	13.4
	9				4	E	20.4
	12			1	6	E	28.4
	15			4	8	F	37.4
	18		1	6	13	G	50.4
	21	4	4	9	18	G	55.4
<b>57</b>	9			2	5	E	21.7
	12		2	4	8	E	31.7
	15	1	4	5	11	F	41.7
	18	3	4	7	18	G	55.7
<b>60</b>	9			4	5	E	24
	12		3	5	9	F	35
	15	2	4	5	15	F	46
	18	4	5	6	22	G	61

All dives using Buhlmann tables require a minimum of 1 minute at 3 meters.

Depth Meters	Time Min	Decompression Stop Depth				Rep Group	TOT Min
		12M	9M	6M	3M		
<b>36</b>	7				1	A	11.6
	9				1	B	13.6
	12				1	D	16.6
	15				3	D	21.6
	20			2	5	E	30.6
	25			4	9	F	41.6
	30		2	5	15	G	55.6
<b>39</b>	7				1	A	11.9
	10				1	D	14.9
	15				4	E	22.9
	20			3	7	F	33.9
	25		2	4	12	G	46.9
	30		3	7	18	G	61.9
	35		5	9	28	G	80.9
<b>42</b>	5				1	A	11.2
	7				1	B	12.2
	9				1	D	14.2
	12				4	D	20.2
	15			1	5	E	25.2
	18			4	6	F	32.2
	21		2	4	10	F	41.2
24		3	6	16	G	53.2	
27		4	7	19	G	61.2	
30	2	4	9	25	G	74.2	
<b>45</b>	6				1	A	11.5
	9				2	E	15.5
	12				5	E	21.5
	15			3	5	E	27.5
	18		2	4	9	F	37.5
	21		3	5	13	G	46.5
	24		4	6	18	G	56.5
27	2	4	9	22	G	68.5	
30	3	6	10	27	G	80.5	

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**Table 2: Buhlmann Repetitive Letter Group Table**

Residual Nitrogen Time in Minutes  
Beginning Repetitive Group

							<b>A</b>	2	2
						<b>B</b>	20	2	2
			<b>C</b>	10	25			3	3
		<b>D</b>	10	15	30			3	3
	<b>E</b>	10	15	25	45			4	3
	<b>F</b>	20	30	45	75	80		8	4
	<b>G</b>	25	45	60	75	100	130	12	5
<b>H</b>	50	65	95	130	180	240	340	24	7
<b>H</b>	<b>G</b>	<b>F</b>	<b>E</b>	<b>D</b>	<b>C</b>	<b>B</b>	<b>A</b>		

**Table 3 (Air)**  
Residual Nitrogen Time (Minutes)

Group	Next Depth in Meters											
	9	12	15	18	21	24	27	30	33	36	39	42
<b>A</b>	25	19	16	14	12	11	10	9	8	7	7	6
<b>B</b>	37	25	20	17	15	13	12	11	10	9	8	7
<b>C</b>	55	37	29	25	22	20	18	16	14	12	11	10
<b>D</b>	81	57	41	33	28	24	21	19	17	15	14	13
<b>E</b>	105	82	59	44	37	30	26	23	21	19	17	16
<b>F</b>	130	111	88	68	53	42	35	30	27	24	21	19
<b>G</b>	154	137	115	91	72	57	47	40	35	31	27	25

**Oxygen Pressure Time Limits (Minutes)**

PO2 (ATA)	Single Dive	% CNS/Min	Daily
1.6	45	2.22	150
1.5	120	0.83	180
1.4	150	0.67	180
1.3	180	0.56	210
1.2	210	0.48	240
1.1	240	0.42	270
1.0	300	0.33	300
0.9	360	0.28	360
0.8	450	0.22	450
0.7	570	0.18	570
0.6	720	0.14	720

