

## Buhlmann Air Decompression Tables

### Sea Level (0 – 700 M)

Depth Meters	Time min	Decompression Stop Depth				Rep Group	TOT min
		12M	9M	6M	3M		
9	25				1	A	26.9
	37				1	B	38.9
	55				1	C	56.9
	81				1	D	82.9
12	19				1	A	21.2
	25				1	B	27.2
	37				1	C	39.2
	57				1	D	59.2
	82				1	E	84.2
15	16				1	A	18.5
	20				1	B	22.5
	29				1	C	31.5
	41				1	D	43.5
	59				1	E	61.5
	75				1	G	77.5
	80				3	G	84.5
18	14				1	A	16.8
	17				1	B	19.8
	25				1	C	27.8
	33				1	D	35.8
	44				1	F	46.8
	51				1	F	53.8
	60				5	F	66.8
	70				11	G	82.8
	80				18	H	99.8
21	12				1	A	15.1
	15				1	B	18.1
	22				1	C	25.1
	28				1	D	31.1
	35				1	E	38.1
	40				2	E	44.1
	50				8	F	60.1
	60				16	G	78.1

Depth Meters	Time min	Decompression Stop Depth				Rep Group	TOT min
		12M	9M	6M	3M		
24	11				1	A	14.4
	13				1	B	16.4
	20				1	C	23.4
	25				1	E	28.4
	30				2	E	34.4
	35				4	F	41.4
	40				8	F	50.4
27	50				17	G	69.4
	10				1	A	13.7
	12				1	B	15.7
	18				1	C	21.7
	20				1	E	23.7
30	30				5	F	37.7
	35				10	F	47.7
	40			2	13	G	57.7
	45			3	18	G	68.7
	9				1	A	13
	11				1	B	15
	16				1	C	20
33	20				2	D	25
	25				5	E	33
	30			2	7	F	42
	35			3	14	G	55
	40			5	17	G	65
	45			9	23	G	80
	8				1	A	12.3
	10				1	B	14.3
	14				1	D	18.3
20				4	E	27.3	
25			2	7	F	37.3	
30			4	11	G	48.3	
35			6	17	G	61.3	
40		2	8	13	G	76.3	

Depth Meters	Time min	Decompression Stop Depth				Rep Group	TOT min
		12M	9M	6M	3M		
36	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
39	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
42	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	
45	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

Depth Meters	Time min	Decompression Stop Depth				Rep Group	TOT min
		12M	9M	6M	3M		
48	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
	51	5				1	B
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
54	5				1	B	11.4
	7				1	C	13.4
	9			1	5	E	20.4
	12		1	4	6	E	28.4
	15		3	4	10	F	37.4
	18	1	3	6	17	G	50.4
	21	4	4	9	12	G	55.4
57	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
60	9			4	5	E	24
	12		3	5	9	F	35
	15	2	4	5	14	F	46
	18	4	5	6	22	G	61

<b>Buhlmann Repetitive Letter Group Table</b>								<b>“0” Hours</b>	<b>Fly Hours</b>
<b>Residual Nitrogen Time in Minutes</b>							<b>A</b>	2	2
<b>Beginning Repetitive Group</b>						<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>		

<b>Table 3 (Air) Residual Nitrogen Time (minutes)</b>												
<b>Group</b>	<b>Next Depth in meters</b>											
	<b>9</b>	<b>12</b>	<b>15</b>	<b>18</b>	<b>21</b>	<b>24</b>	<b>27</b>	<b>30</b>	<b>33</b>	<b>36</b>	<b>39</b>	<b>42</b>
<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

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

### OXYGEN PRESSURE TIME LIMITS (Minutes)

<b>PO<sub>2</sub> (ATA)</b>	<b>Single Dive</b>	<b>%CNS/Min</b>	<b>Daily</b>
<b>1.6</b>	45	2.22	150
<b>1.5</b>	120	0.83	180
<b>1.4</b>	150	0.67	180
<b>1.3</b>	180	0.56	210
<b>1.2</b>	210	0.48	240
<b>1.1</b>	240	0.42	270
<b>1.0</b>	300	0.33	300
<b>0.9</b>	360	0.28	360
<b>0.8</b>	450	0.22	450
<b>0.7</b>	570	0.18	570
<b>0.6</b>	720	0.14	720

# EQUIVALENT AIR DEPTH CHART (EAD)

## ЭКВИВАЛЕНТНАЯ ВОЗДУШНАЯ ГЛУБИНА

		<i>Percentage oxygen in mix</i>								<i>Процент кислорода в смеси</i>							
<b>Depth</b>	<b>25</b>	<b>26</b>	<b>27</b>	<b>28</b>	<b>29</b>	<b>30</b>	<b>31</b>	<b>32</b>	<b>33</b>	<b>34</b>	<b>35</b>	<b>36</b>	<b>37</b>	<b>38</b>	<b>39</b>	<b>40</b>	
<b>12</b>	11	11	10	10	10	9	9	9	9	8	8	8	8	7	7	7	
<b>13</b>	12	12	11	11	11	10	10	10	10	9	9	9	8	8	8	7	
<b>14</b>	13	12	12	12	12	11	11	11	10	10	10	9	9	9	9	8	
<b>15</b>	14	13	13	13	12	12	12	12	11	11	11	10	10	10	9	9	
<b>16</b>	15	14	14	14	13	13	13	12	12	12	11	11	11	10	10	10	
<b>17</b>	16	15	15	15	14	14	14	13	13	13	12	12	12	11	11	11	
<b>18</b>	17	16	16	16	15	15	14	14	14	13	13	13	12	12	12	11	
<b>19</b>	18	17	17	16	16	16	15	15	15	14	14	13	13	13	12	12	
<b>20</b>	18	18	18	17	17	17	16	16	15	15	15	14	14	14	13	13	
<b>21</b>	19	19	19	18	18	17	17	17	16	16	16	15	15	14	14	14	
<b>22</b>	20	20	20	19	19	18	18	18	17	17	16	16	16	15	15	14	
<b>23</b>	22	22	20	20	20	19	19	18	18	18	17	17	16	16	15	15	
<b>24</b>	22	22	21	21	21	20	20	19	19	18	18	18	17	17	16	16	
<b>25</b>	23	23	22	22	21	21	21	20	20	19	19	18	18	17	17	17	
<b>26</b>	24	24	23	23	22	22	21	21	21	20	20	19	19	18	18	17	
<b>27</b>	25	25	24	24	23	23	22	22	21	21	20	20	20	19	19	18	
<b>28</b>	26	26	25	25	24	24	23	23	22	22	21	21	20	20	19	19	
<b>29</b>	27	27	26	26	25	25	24	24	23	23	22	22	21	21	20	20	
<b>30</b>	28	27	27	26	26	25	25	24	24	23	23	22	22	21	21	20	
<b>31</b>	29	28	28	27	27	26	26	25	25	24	24	23	23	22	22		
<b>32</b>	30	29	29	28	28	27	27	26	26	25	25	24	23	23			
<b>33</b>	31	30	30	29	29	28	28	27	26	26	25	25	24				
<b>34</b>	32	31	31	30	30	29	28	28	27	27	26	26	25				
<b>35</b>	33	32	32	31	30	30	29	29	28	28	27	26					
<b>36</b>	34	33	33	32	31	31	30	30	29	28	28						
<b>37</b>	35	34	33	33	32	32	31	30	30	29							
<b>38</b>	36	35	34	34	33	33	32	31	31								
<b>39</b>	37	36	35	35	34	33	33	32	32								
<b>40</b>	37	37	36	36	35	34	34	33									

$$EAD = [(FN_2 / 0,79) (D + 10)] - 10$$