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
	50				17	G	69.4
27	**10**				1	A	13.7
	12				1	B	15.7
	18				1	C	21.7
	20				1	E	23.7
	30				5	F	37.7
	35				10	F	47.7
	40			2	13	G	57.7
	45			3	18	G	68.7
30	**9**				1	A	13
	11				1	B	15
	16				1	C	20
	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
33	**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	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
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

Buhlmann Repetitive Letter Group Table **Residual Nitrogen Time in Minutes** Beginning Repetitive Group								"0" Hours	Fly Hours
							A	2	2
						B	20	2	2
					C	10	25	3	3
				D	10	15	30	3	3
			E	10	15	25	45	4	3
		F	20	30	45	75	80	8	4
	G	25	45	60	75	100	130	12	5
H	50	65	95	130	180	240	340	24	7
H	G	F	E	D	C	B	A		

Table 3 (Air)
Residual Nitrogen Time
(minutes)

Group	Next Depth in meters											
	9	12	15	18	21	24	27	30	33	36	39	42
A	25	19	16	14	12	11	10	9	8	7	7	6
B	37	25	20	17	15	13	12	11	10	9	8	7
C	55	37	29	25	22	20	18	16	14	12	11	10
D	81	57	41	33	28	24	21	19	17	15	14	13
E	105	82	59	44	37	30	26	23	21	19	17	16
F	130	111	88	68	53	42	35	30	27	24	21	19
G	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)

PO_2 (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

EQUIVALENT AIR DEPTH CHART (EAD)

ЭКВИВАЛЕНТНАЯ ВОЗДУШНАЯ ГЛУБИНА

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

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