

**Table 9-7. 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	3.1	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	7.7	595	20	35	55	75	100	125	160	195	245	315	361	540	595		
30	9.2	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	12.3	200	5	15	25	30	40	50	70	80	100	110	130	150	170	200	
50	15.3	100		10	15	25	30	40	50	60	70	80	90	100			
60	18.4	60		10	15	20	25	30	40	50	55	60					
70	21.5	50		5	10	15	20	30	35	40	45	50					
80	24.5	40		5	10	15	20	25	30	35	40						
90	27.6	30		5	10	12	15	20	25	30							
100	30.6	25		5	7	10	15	20	22	25							
110	33.7	20			5	10	13	15	20								
120	36.8	15			5	10	12	15									
130	39.8	10			5	8	10										
140	42.9	10			5	7	10										
150	46.0	5			5												
160	49.0	5				5											
170	52.1	5				5											
180	55.2	5				5											
190	58.2	5				5											

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

**Table 9-8. 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																		
10	3.1	**	**	**	**	**	**	**	**	**	**	**	**	797	279	159	88	39
20	6.1	**	**	**	**	**	**	917	399	279	208	159	120	88	62	39	18	
30	9.2	†	†	†	349	279	229	190	159	132	109	88	70	54	39	25	12	
40	12.3	257	241	213	187	161	138	116	101	87	73	61	49	37	25	17	7	
50	15.3	169	160	142	124	111	99	87	76	66	56	47	38	29	21	13	6	
60	18.4	122	117	107	97	88	79	70	61	52	44	36	30	24	17	11	5	
70	21.5	100	96	87	80	72	64	57	50	43	37	31	26	20	15	9	4	
80	24.5	84	80	73	68	61	54	48	43	38	32	28	23	18	13	8	4	
90	27.6	73	70	64	58	53	47	43	38	33	29	24	20	16	11	7	3	
100	30.6	64	62	57	52	48	43	38	34	30	26	22	18	14	10	7	3	
110	33.7	57	55	51	47	42	38	34	31	27	24	20	16	13	10	6	3	
120	36.8	52	50	46	43	39	35	32	28	25	21	18	15	12	9	6	3	
130	39.8	46	44	40	38	35	31	28	25	22	19	16	13	11	8	6	3	
140	42.9	42	40	38	35	32	29	26	23	20	18	15	12	10	7	5	2	
150	46.0	40	38	35	32	30	27	24	22	19	17	14	12	9	7	5	2	
160	49.0	37	36	33	31	28	26	23	20	18	16	13	11	9	6	4	2	
170	52.1	35	34	31	29	26	24	22	19	17	15	12	10	8	6	4	2	
180	55.2	32	31	29	27	25	22	20	18	16	14	11	10	8	6	4	2	
190	58.2	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 40/12.3 (feet/meter) repetitive dive depth. Use the corresponding residual nitrogen times (minutes) to compute the equivalent single dive time. Decompress using the 40/12.3 (feet/meter) standard air decompression table.