

ZACATÓN

1000 fsw/307m 12 min. Bottom Time

STOP	TIME	R/TIME	MIX	VOL (cf)	CNS%	PO ₂	OTU	TOTAL
DECENT Descent rate should not exceed 100 fsw per min.								
0 fsw	—	0 min	—	—		.021	0	0
300 fsw	2.5 min	2.5 min	Air	12.5	100%	2.11	8	8
600 fsw	2.5 min	5 min	TX10.5/39	32.9	100%	2.01	7	15
1000 fsw	7 min	12 min	TX6.4/69	175.4	100	2.00	19	34
ASCENT Ascend at 100 fsw per min to first stop. This ascent rate is HIGHLY DANGEROUS!								
	6 min	18 min	TX6.4/69	126.5	5	1.50	12	46
480 fsw	6 min	24 min	TX6.4/69	56.0	2	0.99	7	53
430 fsw	3 min	27 min	TX6.4/69	25.3	1	0.90	3	56
420 fsw	1 min	28 min	TX6.4/69	8.2	0	0.88	2	58
410 fsw	1 min	29 min	TX6.4/69	8.1	0	0.86	2	60
400 fsw	1 min	30 min	TX6.4/69	7.9	0	0.84	2	62
390 fsw	1 min	31 min	TX6.4/69	7.7	0	0.82	2	64
380 fsw	1 min	32 min	TX6.4/69	7.5	0	0.80	2	66
370 fsw	1 min	33 min	TX6.4/69	7.3	0	0.78	2	68
360 fsw	1 min	34 min	TX6.4/69	7.1	0	0.76	2	70
350 fsw	2 min	36 min	TX6.4/69	13.9	0	0.74	2	72
340 fsw	1 min	37 min	TX6.4/69	6.8	0	0.72	1	73
330 fsw	2 min	39 min	TX6.4/69	13.2	0	0.70	2	75
320 fsw	2 min	41 min	TX6.4/69	12.8	0	0.68	2	77
310 fsw	2 min	43 min	TX6.4/69	12.5	0	0.67	2	79
300 fsw	2 min	45 min	TX6.4/69	12.1	0	0.65	2	81
290 fsw	3 min	48 min	TX6.4/69	17.6	0	0.63	2	83
280 fsw	3 min	51 min	TX6.4/69	17.1	0	0.61	2	85
270 fsw	4 min	55 min	TX6.4/69	22.0	1	0.59	2	87
260 fsw	1 min	56 min	AIR	5.3	100	1.86*	3	90
250 fsw	2 min	58 min	AIR	10.3	100	1.80*	5	95
240 fsw	1 min	59 min	AIR	5.0	100	1.74*	3	98
230 fsw	2 min	61 min	AIR	9.6	100	1.67*	5	103
220 fsw	2 min	63 min	AIR	9.2	4	1.61*	5	108
210 fsw	2 min	65 min	AIR	8.8	2	1.55*	5	113
200 fsw	2 min	67 min	AIR	8.5	2	1.48	5	118
190 fsw	3 min	70 min	AIR	12.2	2	1.42	6	124
180 fsw	3 min	73 min	AIR	11.6	2	1.36	6	130
170 fsw	4 min	77 min	AIR	14.8	2	1.29	7	137
160 fsw	5 min	82 min	AIR	17.5	2	1.23	8	145
150 fsw	5 min	87 min	AIR	16.6	2	1.16	8	153
140 fsw	5 min	92 min	AIR	15.7	2	1.10	7	160
130 fsw	5 min	97 min	NTX 30	14.8	4	1.48	10	170
120 fsw	7 min	104 min	NTX 30	19.5	5	1.39	12	182
110 fsw	9 min	113 min	NTX 30	23.4	5	1.30	14	196
100 fsw	12 min	125 min	NTX 30	29.0	6	1.21	17	213
90 fsw	14 min	139 min	NTX 30	31.3	6	1.12	17	230
80 fsw	16 min	155 min	NTX 30	32.9	5	1.03	17	247
70 fsw	19 min	174 min	NTX 30	35.6	5	0.94	17	264
60 fsw	37 min	211 min	NTX 50	62.6	25	1.41*	61	325
50 fsw	43 min	254 min	NTX 50	64.9	24	1.26*	65	390
40 fsw	54 min	308 min	NTX 50	71.7	23	1.11*	64	454
30 fsw	66 min	374 min	NTX 70	75.6	37	1.34*	99	553
20 fsw	84 min	458 min	PURE O2	80.9	187	1.59*	163	716
10 fsw	136 min	594 min	PURE O2	106.3	76	1.29*	202	918
Total dive:	594 min			1358.6 cf		1137%		918

* **WARNING! High risk of CNS O2 toxicity. This dive exceeds 615 daily OTU toxicity limits.**

NOTES:

TX6.4/69=Heliair 69.5=O₂: 6.4% He: 69.5% N₂: 24.1%

Total volumes for decompression: mix: 263.1 cf, air: 145.1 cf, O₂: 187.2 cf, NTX30: 186.5 cf, NTX50: 199.2 cf, NTX70: 75.6 cf. Surface breathing rates are: swimming = 0.6 cf per min., decompression = 0.4 cf per min.

Deco safety factor is 0% (adjusted Buhlmann time is 7 min.). **WARNING!** The deco safety factor is less than recommended. Travel time between stops at 33 fsw per min. is included in the next stop time.

This table based on Bowden's APR94 dive to 925f/284m with subsequent revisions. Copyright 1993 by Sheck Exley. Licensed to Ann Kristovich. Version 5.01.