

Slalom Timing Chart

Standard Tolerance ABT Chart

(Required in Class C, E, L or R Events)
effective 1/1/03

BOAT SPEED		Score: Display	0-0.5	1-1.5	2-2.5	3-3.5	4-4.5	5-5.5	All 6
KPH	MPH		0	1	2	3	4	5	6
58	36.0	Fast	1.64	4.15	6.67	9.20	11.73	14.25	15.92
		Ideal	1.68	4.22	6.77	9.31	11.86	14.40	16.08
		Slow	1.71	4.28	6.84	9.41	11.97	14.53	16.22
55	34.2	Fast	1.73	4.37	7.03	9.69	12.35	15.02	16.78
		Ideal	1.77	4.45	7.13	9.82	12.50	15.19	16.95
		Slow	1.80	4.51	7.23	9.93	12.64	15.34	17.12
52	32.3	Fast	1.83	4.62	7.43	10.24	13.05	15.87	17.72
		Ideal	1.87	4.71	7.55	10.38	13.22	16.06	17.93
		Slow	1.91	4.78	7.65	10.52	13.39	16.25	18.13
49	30.4	Fast	1.94	4.90	7.87	10.85	13.83	16.81	18.78
		Ideal	1.98	5.00	8.01	11.02	14.03	17.04	19.03
		Slow	2.03	5.08	8.13	11.18	14.22	17.27	19.27
46	28.6	Fast	2.06	5.21	8.37	11.54	14.71	17.88	19.98
		Ideal	2.11	5.32	8.53	11.74	14.95	18.16	20.27
		Slow	2.16	5.42	8.68	11.93	15.18	18.42	20.56
43	26.7	Fast	2.20	5.56	8.94	12.33	15.71	19.10	21.34
		Ideal	2.26	5.69	9.13	12.56	15.99	19.42	21.68
		Slow	2.32	5.81	9.30	12.78	16.27	19.75	22.03
40	24.9	Fast	2.36	5.97	9.60	13.23	16.86	20.50	22.89
		Ideal	2.43	6.12	9.81	13.50	17.19	20.88	23.31
		Slow	2.50	6.26	10.02	13.78	17.53	21.27	23.74
37	23.0	Fast	2.54	6.44	10.35	14.27	18.19	22.11	24.70
		Ideal	2.63	6.62	10.61	14.59	18.58	22.57	25.20
		Slow	2.71	6.79	10.86	14.93	18.99	23.06	25.73
34	21.1	Fast	2.76	6.99	11.24	15.49	19.74	23.99	26.81
		Ideal	2.86	7.20	11.54	15.88	20.22	24.56	27.42
		Slow	2.95	7.41	11.85	16.29	20.73	25.16	28.08
31	19.3	Fast	3.02	7.65	12.29	16.93	21.58	26.24	29.31
		Ideal	3.14	7.90	12.66	17.42	22.18	26.94	30.08
		Slow	3.25	8.15	13.05	17.93	22.82	27.70	30.90
28	17.4	Fast	3.33	8.43	13.55	18.68	23.81	28.94	32.33
		Ideal	3.47	8.74	14.01	19.29	24.56	29.83	33.30
		Slow	3.61	9.07	14.51	19.94	25.37	30.80	34.37
25	15.5	Fast	3.71	9.40	15.11	20.83	26.54	32.26	36.04
		Ideal	3.89	9.79	15.70	21.60	27.50	33.41	37.30
		Slow	4.07	10.21	16.34	22.46	28.58	34.68	38.70

Jumping Event Timing Tolerance Table

RECORD Tolerances	Boat Speed		1st Segment Times				2nd Segment Times **			
	Kph	Mph	Balk	Fast	Ideal	Slow	Fast	Ideal	Slow	RTB*
Apply only when the skier is at the maximum speed for his/her age division, otherwise use the table below.	57	35.4	5.06	5.11	5.18	5.25	2.36	2.40	2.46	2.71
	54	33.6	5.34	5.39	5.47	5.55	2.54	2.59	2.66	2.86
	51	31.7	5.65	5.70	5.79	5.88	2.68	2.73	2.81	3.01
	48	29.8	6.00	6.05	6.15	6.25	2.84	2.89	2.98	3.18
	45	28.0	6.40	6.45	6.56	6.68	3.01	3.08	3.17	3.37
		Tolerance basis:		+/- 0.8 kph (0.50 mph)			+1 / -1.5 kph (+0.62 / -0.93 mph)			

STANDARD Tolerances	Boat Speed		1st Segment Times				2nd Segment Times **			
	Kph	Mph	Balk	Fast	Ideal	Slow	Fast	Ideal	Slow	RTB*
Apply these tolerance values at most Class C tournaments, and in Record tournaments where the skier is at speeds lower than the maximum for his/her age division.	57	35.4	5.02	5.07	5.18	5.29	2.36	2.40	2.48	2.73
	54	33.6	5.30	5.35	5.47	5.59	2.54	2.59	2.68	2.88
	51	31.7	5.60	5.65	5.79	5.93	2.68	2.73	2.84	3.04
	48	29.8	5.95	6.00	6.15	6.31	2.84	2.89	3.01	3.21
	45	28.0	6.34	6.39	6.56	6.74	3.01	3.08	3.21	3.41
	42	26.1	6.78	6.83	7.03	7.24	3.21	3.28	3.43	3.63
	39	24.2	7.29	7.34	7.57	7.81	3.43	3.51	3.69	3.89
		Tolerance basis:		+/- 1.21 kph (0.75 mph)			+1 / -2.0 kph (+0.62 / -1.24 mph)			

"WIDER" Tolerances	Boat Speed		1st Segment Times				2nd Segment Times **			
	Kph	Mph	Balk	Fast	Ideal	Slow	Fast	Ideal	Slow	RTB*
In events run as Class C or below, these wider tolerance values may be used on an exception basis only, and ratings above Expert are not permitted under these circumstances. See rule 9.17.	57	35.4	4.97	5.02	5.18	5.34	2.36	2.40	2.50	2.75
	54	33.6	5.24	5.29	5.47	5.65	2.54	2.59	2.71	2.91
	51	31.7	5.54	5.59	5.79	6.00	2.61	2.73	2.87	3.07
	48	29.8	5.88	5.93	6.15	6.39	2.84	2.89	3.04	3.24
	45	28.0	6.26	6.31	6.56	6.83	2.92	3.08	3.24	3.44
	42	26.1	6.69	6.74	7.03	7.34	3.21	3.28	3.47	3.67
	39	24.2	7.19	7.24	7.57	7.93	3.32	3.51	3.74	3.94
		Tolerance basis:		+/-1.77 kph (1.10 mph)			+1 / -2.5 kph (+.062 / -1.56 mph)			

** Note -- The above 2nd Segment boat speed tolerances presume that the boat speed will rise to 3 kph faster than the baseline speed once the skier is in the air (except 4.5 kph faster at 57 kph / "35" mph).

*Alternatively, use the "RTB" slow time limit if the skier chooses the "return to baseline speed" basis, or is not sufficiently aggressive to engage the jump switch at the base of the ramp. If a skier who selects the faster second segment does not properly engage the switch at the ramp, then the tolerance as indicated in the RTB column applies.

If the skier balks, examine only the 1st segment time against this table. See Rule 9.09(a).