

15.5: Boat Speeds and Rope Lengths - Official Pass Numbers

The following speeds and tow line lengths shall be used for slalom. The skier must request his/her pass # or rope length and boat speed from those passes allowable from the following table:

		Boys II, III		Elite Men, Men, Jr. Men, U21 Men		Elite Women, Women, Jr. Women, U21 Women, Men III, IV, V, VI		Men VII		Men VIII, IX	
Pass No	Total Buoys	km/h	Rope	km/h	Rope	km/h	Rope	km/h	Rope	km/h	Rope
1	6	28	18.25 m	49	18.25 m	46	18.25 m	43	18.25 m	40	18.25 m
2	12	31	18.25 m	52	18.25 m	49	18.25 m	46	18.25 m	43	18.25 m
3	18	34	18.25 m	55	18.25 m	52	18.25 m	49	18.25 m	46	18.25 m
4	24	37	18.25 m	58	18.25 m	55	18.25 m	52	18.25 m	49	18.25 m
5	30	40	18.25 m	58	16.00 m	55	16.00 m	52	16.00 m	49	16.00 m
6	36	43	18.25 m	58	14.25 m	55	14.25 m	52	14.25 m	49	14.25 m
7	42	46	18.25 m	58	13.00 m	55	13.00 m	52	13.00 m	49	13.00 m
8	48	49	18.25 m	58	12.00 m	55	12.00 m	52	12.00 m	49	12.00 m
9	54	52	18.25 m	58	11.25 m	55	11.25 m	52	11.25 m	49	11.25 m
10	60	55	18.25 m	58	10.75 m	55	10.75 m	52	10.75 m	49	10.75 m
11	66	55	16.00 m	58	10.25 m	55	10.25 m	52	10.25 m	49	10.25 m
12	72	55	14.25 m	58	9.75 m	55	9.75 m	52	9.75 m	49	9.75 m
13	78	55	13.00 m	58	9.50 m	55	9.50 m	52	9.50 m	49	9.50 m

		Girls I, Boys I		Girls II, III		Women III, IV		Women V, VI		Women VII, VIII Women IX	
Pass No	Total Buoys	km/h	Rope	km/h	Rope	km/h	Rope	km/h	Rope	km/h	Rope
1	6	28	18.25 m	28	18.25 m	40	18.25 m	40	18.25 m	37	18.25 m
2	12	31	18.25 m	31	18.25 m	43	18.25 m	43	18.25 m	40	18.25 m
3	18	34	18.25 m	34	18.25 m	46	18.25 m	46	18.25 m	43	18.25 m
4	24	37	18.25 m	37	18.25 m	49	18.25 m	49	18.25 m	46	18.25 m
5	30	40	18.25 m	40	18.25 m	52	18.25 m	52	18.25 m	49	18.25 m
6	36	43	18.25 m	43	18.25 m	55	18.25 m	52	16.00 m	49	16.00 m
7	42	46	18.25 m	46	18.25 m	55	16.00 m	52	14.25 m	49	14.25 m
8	48	49	18.25 m	49	18.25 m	55	14.25 m	52	13.00 m	49	13.00 m
9	54	49	16.00 m	52	18.25 m	55	13.00 m	52	12.00 m	49	12.00 m
10	60	49	14.25 m	52	16.00 m	55	12.00 m	52	11.25 m	49	11.25 m
11	66	49	13.00 m	52	14.25 m	55	11.25 m	52	10.75 m	49	10.75 m
12	72	49	12.00 m	52	13.00 m	55	10.75 m	52	10.25 m	49	10.25 m
13	78	49	11.25 m	52	12.00 m	55	10.25 m	52	9.75 m	49	9.75 m

In any subsequent runs, the line shall be shortened in 0.50 meter increments. If, in the opinion of the majority of the judges for the event, the weather or water conditions require, starting speeds may be lowered either 3 km/h or 6 km/h. However, for rating purposes, only official passes shall be scored.

15.6: Boat Speed Tolerances

All-buoy timing is required. The correct timing segment is determined by first establishing the skier's pass score.

The tolerances for slalom are as follows:

* Two-segment timing chart has been removed.

All Buoy Timing

BOAT SPD	Score:	0-0.5	1-1.5	2-2.5	3-3.5	4-4.5	5-5.5	All 6	
		KPH	Fm/To:	E-1	E-2	E-3	E-4	E-5	E-6
58	Fast		1.64	4.15	6.67	9.20	11.73	14.25	16.00
	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	16.16
55	Fast		1.73	4.37	7.03	9.69	12.35	15.02	16.86
	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	17.04