

Speed Control Parameter Adjustment Chart for Jump

JUMP

ZERO OFF PARAMETER	<u>Who Determines</u>	<u>When</u>	
TOURNAMENT MODE	<i>Driver/Judge</i>	<i>Before event</i>	<i>TOURNAMENT MODE ONLY</i>
BOAT SPEED	<i>Skier</i>	<i>Before each pass</i>	<i>Set Speed in MPH/KPH</i>
JUMP LETTER	<i>Driver / Judge</i> <i>With input from skier</i>	<i>Before each jump</i> <i>Boat crew may adjust as necessary including for the first jump</i>	<i>Hold "SEL" while jump letter is highlighted. Enter skier weight and rated distance. Skier may adjust initial setting +/- 4 letters. Adjust as necessary. Use Jump Letter Chart as an alternative to select initial jump letter</i>
FAST or RTB (Return to Baseline)	<i>Skier</i>	<i>Before each skier based on type of 41 meter segment pull requested</i>	<i>Letter Only = faster segment Letter with "RTB" above = return to baseline</i>
POWER FACTOR	<i>Driver / Judge</i> <i>With input from skier</i>	<i>5.7 liter engine - start with 6 or 7</i> <i>6.0 liter engine - start with 4 or 5</i> <i>Boat crew may adjust as necessary</i>	<i>Range 0 to 15 - Raises or lowers the base speed. A lower number result in boat entering the course slower. At 3 or below there is no additional decrease in baseline (adjustments are then made to the ramp rate of the letter)</i>
41 METER SEGMENT ADDER (Raises the boat speed in the 41 Meter segment - adds to the target speed)	<i>Driver/Judge</i>	<i>Boat crew may adjust as necessary</i> Start at 0	<i>ADD - Range = 0 to 9 Start at 0</i> <i>Adjust as needed for actual times.</i> <i>This number follows "Power Factor"</i> <i>Example: 6/0</i> <i>(6 is the Power Factor and 0 is the "add")</i>
COUNTER CUT TIME (Not typically adjusted)	<i>Driver</i>	<i>Before event</i> <i>May be adjusted for strong head or tail wind to control speed during counter cut</i>	<i>Recommended:</i> <i>180</i> <i>Head Wind 190</i> <i>Tail Wind 170</i> <i>¾ Cut 160</i>
GPS MAPPING	<i>Driver</i>		<i>Map course when pylon is aligned with the start of the timing buoys</i>

Speed Control Parameter Adjustment Chart for Slalom & Tricks

SLALOM

ZERO OFF PARAMETER	<u>Who Determines</u>	<u>When</u>	
TOURNAMENT MODE	<i>Driver/Judge</i>	<i>Before event</i>	<i>TOURNAMENT MODE ONLY</i>
BOAT SPEED	<i>Skier</i>	<i>Before each pass</i>	<i>Speed in MPH/KPH</i>
A1, A2, A3 B1, B2, B3 C1, C2, C3	<i>Skier</i> <i>Default is B2 unless skier asks for other setting</i>	<i>Before each pass</i>	<i>A = Slowest engine response B = Moderate engine response C = Fastest engine response 1 = Softest feel behind the boat 2 = Moderate feel behind the boat 3 = Firmest feel behind the boat</i>
"+" SETTING	<i>Skier</i> <i>Default is OFF</i>	<i>Before each pass</i>	<i>With "+" ON - Engine will respond quicker. Speed outside the entrance gate is higher.</i>
GPS MAPPING	<i>Driver</i>		<i>Map course when GPS Puck is aligned with the start of timing buoys</i>

TRICKS

ZERO OFF PARAMETER	<u>Who Determines</u>	<u>When</u>	
BOAT SPEED	<i>Skier</i>	<i>Before each pass</i>	<i>Speed in MPH/KPH</i>
A1, A2, A3 B1, B2, B3 C1, C2, C3	<i>Skier</i> <i>Default is B2 unless skier asks for other setting</i>	<i>Before each pass</i>	<i>A = Slowest engine response B = Moderate engine response C = Fastest engine response 1 = Softest feel behind the boat 2 = Moderate feel behind the boat 3 = Firmest feel behind the boat</i>
"+" SETTING	<i>Skier</i> <i>Default is OFF</i>	<i>Before each pass</i>	<i>With "+" ON - Engine will respond quicker</i>

NOTE: Updated speed control parameters may be posted on the USA WS website, accompanied by a revision date, and will supersede the speed control parameters printed in the AWSA Rule Book. No changes shall be made between July 1 and the conclusion of Nationals.