

ASW-27 - Flaps and Speed Details

Event	Flap Position	Comments	Speed Max	Best Dry	Best Wet
Rigging	1 or 2	Flap L can cause error			
Takeoff Roll		Trim nose heavy Keep tail wheel on ground			
	2 (0°)	Better Aileron Control			
	4 (+19.5°)	Novices with good wing runner			
Aerotow Climb	4 (+19.5°)	Default	92 kts		
	5 (+24°)	With water ballast or short field	97 kts		
Cruise	1 (-2.5°)	High speed flight	154 kts	95+ kts	110+ kts
	2 (0°)	Typical inter-thermal	154 kts	70-95 kts	85-110 kts
	3a (+5°)	Favorable speed range	108 kts	55-70 kts	65-85 kts
	3b (+12°)	Optimum low level flight, best L/D	108 kts	44-55 kts	48-65 kts
Thermalling	4 (+19.5°)	Centering thermals	97 kts	40-44 kts	44-48 kts
	5 (+24°)	When in tight core	97 kts	38-40 kts	40-43 kts
Aerobatics	A (+10°)	Not allowed with water	116 kts		
Landing	4 (+19.5°) or	Typical use in pattern	97 kts		
	5 (+24°) or	Typical use in pattern	97 kts		
	L (+47°)	Close in, no strong headwind	81 kts		
Touchdown Roll	1 (-2.5°)	Touchdown roll			
Tie Down	3b (+12°)	Takes load off of Mylar gap seals			
De-Rigging	1 or 2				