

MAXA Control Throws

By Joe Wurts

Elevator throw is ± 16 mm as measured at the root trailing edge, excepting in thermal mode where it is ± 12 mm. (add, not the root, but rather the most aft point on the elevator trailing edge).

Aileron > Rudder mix:

Speed ± 10 mm

Cruise ± 20 mm

Thermal ± 30 mm

Launch ± 37.5 mm

Elev > Camber mix:

100% up > 5 mm

100% down > -5 mm

My light cg is 105 mm from the leading edge (nose heavy)

My heavy cg is 107 mm from the leading edge (slightly nose heavy)

The ballast cg is at 100 mm (just the ballast!) so that when I add ballast, the cg moves a a bit forward to help the stability in turbulence

		LA	LF	RF	RA
	RA	7.1	3.5	-10.6	-23.3
Speed	N	-2.8	-2.8	-2.8	-2.8
	LA	-23.3	-10.6	3.5	7.1
	RA	8.0	4.6	-8.9	-20.5
Cruise	N	-0.7	-0.7	-0.7	-0.7
	LA	-20.5	-8.9	4.6	8.0
	RA	11.8	7.5	-6.8	-18.0
Thermal	N	1.4	1.4	1.4	1.4
	LA	-18.0	-6.8	7.5	11.8
	RA	8.0	9.5	1.1	-13.3
Launch	N	8.0	9.5	9.5	8.0
	LA	-13.3	1.1	9.5	8.0
Thermal2	N	3.8	3.8	3.8	3.8
Flap	Max	-5.0	73.5	73.5	-5.0