

3mm Sams foam .083gm/sq in

		Mass gm	Local cg	Station	Total arm	torque	
3mm foam	Rudder	1.3	2.66	11.40	14.06	18.3	
3mm foam	Elevator	2.5	2.03	11.8	13.83	34.6	
	Glue	0.3+/-			13.7+/-	4.1	
plastic	Elevator horn	0.15	0.15	14.35	14.5	2.2	
plastic	Rudder horn	0.15	0.15	14.35	14.5	2.2	
Carbon fiber	pushrods	3.0	6.1	2.44	8.55	25.7	
balsa	bat tray & fort	4.0	2.3	-1.33	1.0	4.0	
balsa	fuse stick	4.5	8.5	-2.75	5.75	25.9	
3mm foam	Wing	8.0 *	2.33	0	2.33	18.65	
3mm foam	Wing	8.0 *	2.33	0	2.33	18.65	
7/32 1/64 balsa/ply	Wing saddle	2	2.35	-0.43	1.92	3.84	
wire	tail skid	0.5	1.0	10	11	5.5	
	LG & Wheels	<u>3</u>	0.0	-1.4	-1.6	<u>-4.2</u>	
		37.4				159.4	
	Motor & Prop	16	1.7	-4.81	-3.2	-51.2	
	Motor stick	2	1.6	-3.31	-1.71	-3.42	
	dowel mnts	1	0	-1.45	-1.45	-1.45	
bb303	Rudder Servo	4	0.30	1.85(to case)	2.15	8.6	
bb303	Elev Servo	4	0.30	1.85(to case)	2.15	8.6	
rx72n	Reciever	5.5	0.5	0.35	0.85	4.7	
LiPo145	Battery	10	0.6	-1.29	-0.69	-6.90	
		<u>42.5</u>				<u>-41.1</u>	
		80.0			118.3	1.47	
Actual weight		82	glue etc.	2.0	ACTUAL C.G.	1.48	31%
				27%=	1.26		
Wing area		130	0.63 gm/sq in				