

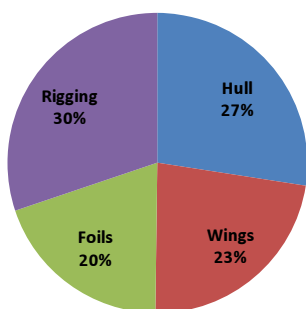
## WEIGHT ESTIMATE

DESIGN	MOTH - S.L.I.N.O.	Weight	LCG	TCG	VCG
BY	MARKLA				
DATE	28.10.11	43.33	1282	-23	770

	Number	Amount	Unit	Item	wt/Unit	Weight	LCG	TCG	VCG	
Downhaul			2 ea	Swivel Cleats	0.1	0.2	2199	-11	915	
			1 ea	Triple Block	0.062	0.062	2199	-11	915	
			2 ea	Double Blocks	0.042	0.084	2199	-11	915	
			10 m	4mm Spectra	0.025	0.25	2199	-11	915	
			1 ea	Saddle	0.025	0.025	2199	-11	915	
			2 ea	10g x 3/4" Self tapping screws	0.0026	0.0052	2199	-11	915	
			4 m	2mm Shockcord	0.005	0.02	2199	-11	915	
			1 ea	Plastic Hook	0.003	0.003	2199	-11	915	
			1 ea	Shockcord Block	0.005	0.005	2199	-11	915	
Vang			2 ea	Swivel cleats	0.1	0.2	1990	0	611	
			3 ea	Wire blocks	0.088	0.264	1990	0	611	
			1 ea	Triple Block	0.062	0.062	1990	0	611	
			1 ea	Double Block	0.042	0.042	1990	0	611	
			2 ea	Single block	0.02	0.04	1990	0	611	
			4 m	6mm Dynema	0.025	0.1	1990	0	611	
			12 m	4mm Spectra	0.025	0.3	1990	0	611	
			4 m	2mm Shockcord	0.005	0.02	1990	0	611	
			1 ea	Plastic hook	0.003	0.003	1990	0	611	
			1 ea	Shockcord block	0.005	0.005	1990	0	611	
Outhaul			1 ea	Swivel Cleat	0.1	0.1	1162	0	974	
			2 ea	Single block	0.02	0.04	1162	0	974	
			1 ea	Thru Deck Block	0.03	0.03	1162	0	974	
			10 m	4mm Spectra	0.025	0.25	1162	0	974	
			4 m	2mm Shockcord	0.01	0.04	1162	0	974	
			1 ea	Shockcord Block	0.005	0.005	1162	0	974	
Mainsheet			1 ea	Single w Becket	0.044	0.044	1100	16	577	
			2 ea	Single	0.033	0.066	1100	16	577	
			1 ea	Ratchet	0.044	0.044	1100	16	577	
			8 m	10mm Double Braid	0.065	0.52	1100	16	577	
			1.2 m	4mm Spectra	0.025	0.03	1100	16	577	
Mast Boom Sail			1 ea	Moth Mast	2.5	2.5	1986	0	3218	
			1 ea	Moth Boom	1.5	1.5	1162	0	974	
			1 ea	Moth Sail	4.5	4.5	1160	59	3068	
Spreaders										
			1	0.06 m2	Cut Part	1.35	0.081	2217	0	2529
			3	0.005 m2	E Plate Insert	6	0.09	2217	0	2529
			4	0.06 m2	200 UD-C	0.2	0.048	2217	0	2529
			1	0.06 m2	200 DB-C	0.2	0.012	2217	0	2529
				0.083 kg	Resin	1	0.083	2217	0	2529
			1 ea		Spreader Pin	0.005	0.005	2217	0	2529
Stays										
			3	3.8 m	3mm Wire	0.035	0.399	2199	0	2365
			6 ea	Swages	0.005	0.030	2199	0	2365	
			6 ea	Thingles	0.005	0.030	2199	0	2365	
			2 ea	Chainplates	0.065	0.130	2199	0	2365	
			2 ea	D Ring	0.075	0.150	2199	0	2365	
			2 m	3mm Spectra Lashing	0.025	0.050	2199	0	2365	
			1 ea	Forestay Shackle	0.03	0.030	2199	0	2365	
			1 ea	Hounds Shackle	0.03	0.030	2199	0	2365	
			3 m	Stay Lashing	0.01	0.030	2199	0	2365	
			0.6 m	Cloth Tape	0.01	0.006	2199	0	2365	

Control System		1.3 m	Wand	0.1	0.130	2797	99	-173	
		1 ea	Wand Plate	0.0432	0.043	3092	57	287	
		1 ea	Wand Tiller	0.0432	0.043	3090	19	287	
		1 ea	Wand Paddle	0.05	0.050	2426	145	-708	
		1.5 m	6mm Dyneema	0.025	0.038	2453	-31	327	
		1.5 m	4mm Dyneema	0.025	0.038	2453	-31	327	
	2	0.8 m	3mm Spectra	0.025	0.040	2453	-31	327	
		1 ea	Single Block	0.02	0.020	2453	-31	327	
		1 ea	Deck Block	0.04	0.040	2453	-31	327	
		1 ea	Swag Eye	0.005	0.005	2453	-31	327	
		2 ea	Plastic Cleat	0.027	0.054	2453	-31	327	
Hull	Panels	2	1.185 m2	Sides	1.35	3.200	1753	-123	193
		1	0.689 m2	Bottom	1.35	0.931	1381	0	15
		1	0.981 m2	Deck	1.35	1.324	1204	0	344
		1	0.396 m2	Foredeck	1.35	0.534	2658	0	524
		1	0.562 m2	Structure	1.35	0.759	1825	0	259
	Bonding	2	7.484 m	Sides	0.041	0.611	1753	-123	193
		1	7.410 m	Bottom	0.041	0.302	1381	0	15
		1	15.181 m	Deck	0.041	0.619	1204	0	344
		1	4.660 m	Foredeck	0.041	0.190	2658	0	524
		1	12.355 m	Structure	0.041	0.504	1825	0	259
		4	1.000 m	Wing Mounts	0.041	0.163	1190	27	379
	Tapes	12	0.100 m	Transom	0.019	0.023	62	0	187
		4	0.400 m	CB Case	0.019	0.030	1732	0	178
		8	0.100 m	Wing Mounts	0.019	0.015	1190	27	379
		4	0.400 m	Stem	0.019	0.030	3283	0	231
	Paint	2	1.185 m2	Sides	0.390	0.924	1753	-123	193
		1	0.689 m2	Bottom	0.390	0.269	1381	0	15
		1	0.981 m2	Deck	0.390	0.382	1204	0	344
		1	0.396 m2	Foredeck	0.390	0.154	2658	0	524
		1	0.063 m2	Transom	0.390	0.025	59	0	187
Wings		1 ea	1.6mm Wall Alloy	7.47	7.47	1198	10	577	
Tramps		2	2 m2	Trampoline Material	0.27	1.10	937	-711	505
		2	3 m	10mm Fibreglass Rod	0.153	0.92	1435	0	398
		2	8 m	4mm Spectra Lacing	0.025	0.40	1435	0	398
Gantry		2.7 m	1.6mm Wall Alloy	0.225189	0.61	-217	0	247	
		0.015752 m2	4PL	11.2	0.18	-146	0	234	
		1 ea	Fasteners	0.101	0.10	43	-2	234	
Centreboard		1 ea		4	4.00	1723	0	-494	
Rudder		1 ea		4	4.00	-486	0	-362	
Tiller		1 ea		0.5	0.50	-22	0	444	

Weight Distribution



Hull Weight Distribution

