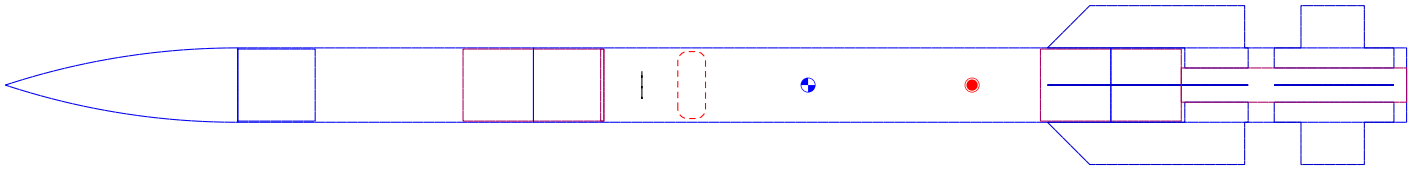


Rocket Design



Patriot Pac-3, c2008 Madcow Rocketry

Stages: 1

Mass (Empty): 595 g













Stability: 5,82 in

CG: 72,4 cm

CP: 87,2 cm

Parts Detail

Stupen

	Nose cone	Polystyrene PS (1,05 g/cm ³)	Obloukovitý	Len: 21,0 cm	Mass: 135 g
	Mass		Dia _{out} 2,5 cm		Mass: 65,2 g
	Body tube	Paper (1,12 g/cm ³)	Dia _{in} 6,5 cm Dia _{out} 6,71 cm	Len: 26,7 cm	Mass: 64,6 g
	Tube coupler	Paper (1,12 g/cm ³)	Dia _{in} 6,28 cm Dia _{out} 6,5 cm	Len: 12,7 cm	Mass: 30,5 g
	Bulkhead	Aircraft plywood (Birch) (0,725 g/cm ³)	Dia _{out} 6,5 cm	Len: 0,292 cm	Mass: 7,02 g
	Body tube	Paper (1,12 g/cm ³)	Dia _{in} 6,5 cm Dia _{out} 6,71 cm	Len: 52,1 cm	Mass: 126 g
	Tube coupler	Paper (1,12 g/cm ³)	Dia _{in} 6,28 cm Dia _{out} 6,5 cm	Len: 12,7 cm	Mass: 30,5 g
	Parachute	Rip stop nylon (0 g/m ²)	Dia _{out} 61,0 cm	Len: 2,5 cm	Mass: 4,97 g
	Shroud Lines	1/16 In. braided nylon (1,02 g/m)	Lines: 8	Len: 61,0 cm	
	Body tube	Paper (1,12 g/cm ³)	Dia _{in} 6,5 cm Dia _{out} 6,71 cm	Len: 26,7 cm	Mass: 64,6 g
	Fin set (4)	Aircraft plywood (Birch) (0,725 g/cm ³)	Thick: 0,292 cm		Mass: 35,0 g
	Fin set (4)	Aircraft plywood (Birch) (0,725 g/cm ³)	Thick: 0,476 cm		Mass: 97,9 g
	Body tube	Paper (1,12 g/cm ³)	Dia _{in} 2,9 cm Dia _{out} 3,09 cm	Len: 20,3 cm	Mass: 19,9 g

