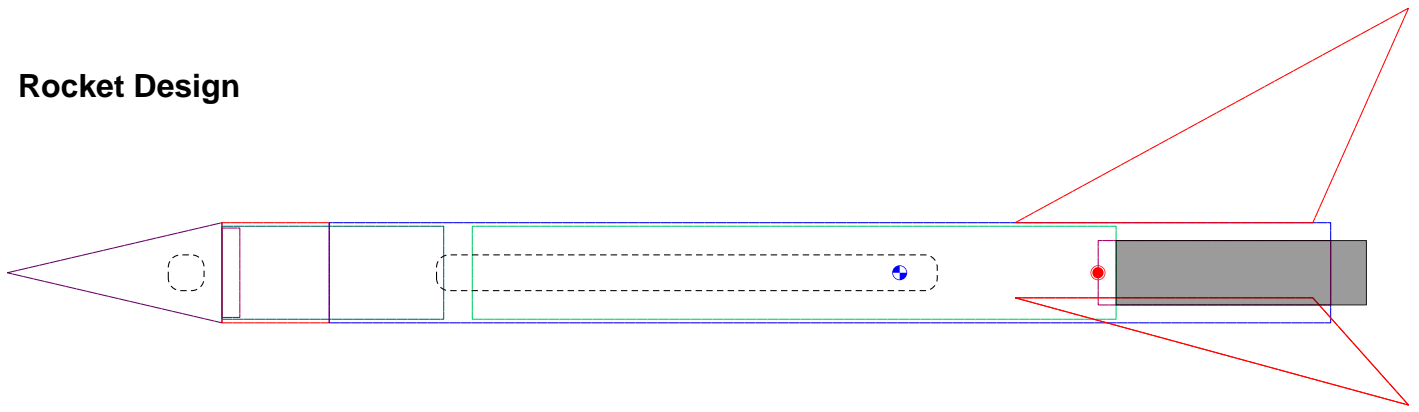


# Rocket Design



Vaida 1

Stages: 1

Mass (with motor): 36,7 g

Stability: 1,98 cal

CG: 25 cm

CP: 30,5 cm

## C6-5

	Motor	Avg Thrust	Burn Time	Max Thrust	Total Impulse	Thrust to Wt	Propellant Wt	Size
Altitude								
Flight Time								
Time to Apogee	C6	4 N	1,86 s	11,6 N	7,48 Ns	10,40:1	12,5 g	18/70 mm
Velocity off Pad								
Max Velocity								
Velocity at Deployment								
Landing Velocity								

## B4-4








	Motor	Avg Thrust	Burn Time	Max Thrust	Total Impulse	Thrust to Wt	Propellant Wt	Size
Altitude								
Flight Time								
Time to Apogee	B4	4,04 N	1,3 s	11,7 N	5,28 Ns	11,24:1	8,33 g	18/70 mm
Velocity off Pad								
Max Velocity								
Velocity at Deployment								
Landing Velocity								

## A8-3



## Parts Detail

Hauptstufe

	Spitze	Papier (Büro) (0,82 g/cm <sup>3</sup> )	Konisch	Len: 6cm	Mass: 1g
	Körperrohr der Spitze	Papier (Büro) (0,82 g/cm <sup>3</sup> )	Dia <sub>in</sub> 2,77cm Dia <sub>out</sub> 2,8cm	Len: 3cm	Mass: 1g
	Verbindungshülse	Papier (Büro) (0,82 g/cm <sup>3</sup> )	Dia <sub>in</sub> 2,57cm Dia <sub>out</sub> 2,6cm	Len: 6,2cm	Mass: 1g
	Masse		Dia <sub>out</sub> 1cm		Mass: 6g
	Balastkammer	Papier (Büro) (0,82 g/cm <sup>3</sup> )	Dia <sub>in</sub> 2,47cm Dia <sub>out</sub> 2,5cm	Len: 0,5cm	Mass: 0,048g
	Körperrohr	Papier (Büro) (0,82 g/cm <sup>3</sup> )	Dia <sub>in</sub> 2,77cm Dia <sub>out</sub> 2,8cm	Len: 28cm	Mass: 4g
	Rohrverstärkung	Papier (Büro) (0,82 g/cm <sup>3</sup> )	Dia <sub>in</sub> 2,57cm Dia <sub>out</sub> 2,6cm	Len: 18cm	Mass: 1g
	Schockband mit Gummidämpfer und Ankern	Faden (stark) (0,3 g/m)		Len: 40cm	Mass: 2g
	Engine block	Karton (0,68 g/cm <sup>3</sup> )	Dia <sub>in</sub> 1,77cm Dia <sub>out</sub> 1,8cm	Len: 6,5cm	Mass: 0,372g
	Finnen (3)	Papier (Büro) (0,82 g/cm <sup>3</sup> )	Thick: 0,015cm		Mass: 0,783g