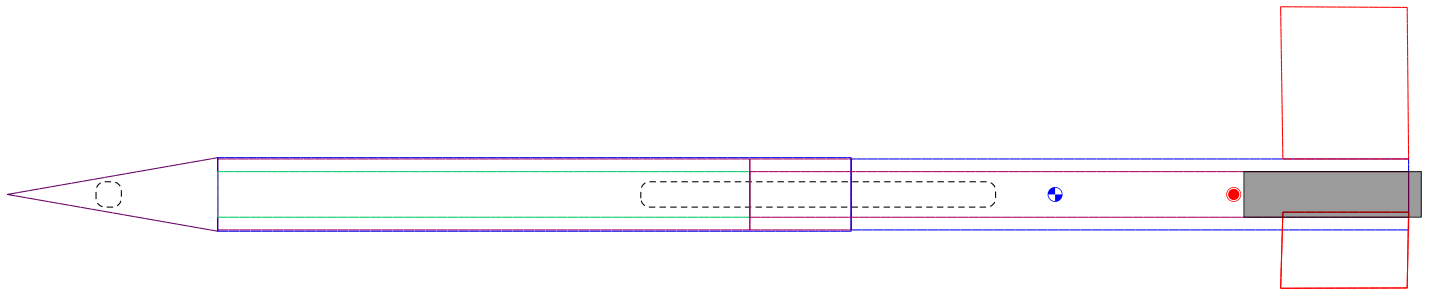


# Rocket Design



## MINT-MASTER

Stages: 1

Mass (with motor): 67,0 g

Stability: 2,43 cal

CG: 41,3 cm

CP: 48,4 cm

## C6-5

		Motor	Avg Thrust	Burn Time	Max Thrust	Total Impulse	Thrust to Wt	Propellant Wt	Size
Altitude	190 m	C6	4,0 N	1,86 s	11,6 N	7,48 Ns	6,08:1	12,5 g	18,0/70,0 mm
Flight Time	14,4 s								
Time to Apogee	5,99 s								
Velocity off Pad	16,1 m/s								
Max Velocity	70,2 m/s								
Velocity at Deployment	N/A								
Landing Velocity	34,9 m/s								

## B4-4











		Motor	Avg Thrust	Burn Time	Max Thrust	Total Impulse	Thrust to Wt	Propellant Wt	Size
Altitude	135 m	B4	4,04 N	1,3 s	11,7 N	5,28 Ns	6,39:1	8,33 g	18,0/70,0 mm
Flight Time	22,2 s								
Time to Apogee	5,18 s								
Velocity off Pad	16,0 m/s								
Max Velocity	58,7 m/s								
Velocity at Deployment	N/A								
Landing Velocity	10,8 m/s								

## A8-3



## Parts Detail

Hauptstufe

	Spitze	Papier (Büro) (0,82 g/cm <sup>3</sup> )	Konisch	Len: 8,3 cm	Mass: 1,0 g
	Masse		Dia <sub>out</sub> 1,0 cm		Mass: 0 g
	Innenrohr	Karton (0,68 g/cm <sup>3</sup> )	Dia <sub>in</sub> 2,7 cm Dia <sub>out</sub> 2,8 cm	Len: 21,0 cm	Mass: 6,17 g
	Körperrohr	Papier (Büro) (0,82 g/cm <sup>3</sup> )	Dia <sub>in</sub> 2,87 cm Dia <sub>out</sub> 2,9 cm	Len: 25,0 cm	Mass: 4,0 g
	Schockband mit Gummidämpfer und Ankern	Thread (heavy- duty) (0,3 g/m)		Len: 40,0 cm	Mass: 2,0 g
	Rohrverstärkung	Papier (Büro) (0,82 g/cm <sup>3</sup> )	Dia <sub>in</sub> 1,77 cm Dia <sub>out</sub> 1,8 cm	Len: 21,0 cm	Mass: 1,0 g
	Innenrohr	Karton (0,68 g/cm <sup>3</sup> )	Dia <sub>in</sub> 2,7 cm Dia <sub>out</sub> 2,8 cm	Len: 4,0 cm	Mass: 1,17 g
	Körperrohr	Papier (Büro) (0,82 g/cm <sup>3</sup> )	Dia <sub>in</sub> 2,77 cm Dia <sub>out</sub> 2,8 cm	Len: 22,0 cm	Mass: 4,0 g
	Engine block	Papier (Büro) (0,82 g/cm <sup>3</sup> )	Dia <sub>in</sub> 1,77 cm Dia <sub>out</sub> 1,8 cm	Len: 26,0 cm	Mass: 1,79 g
	Finnen (3)	Papier (Büro) (0,82 g/cm <sup>3</sup> )	Thick: 0,1 cm		Mass: 7,34 g