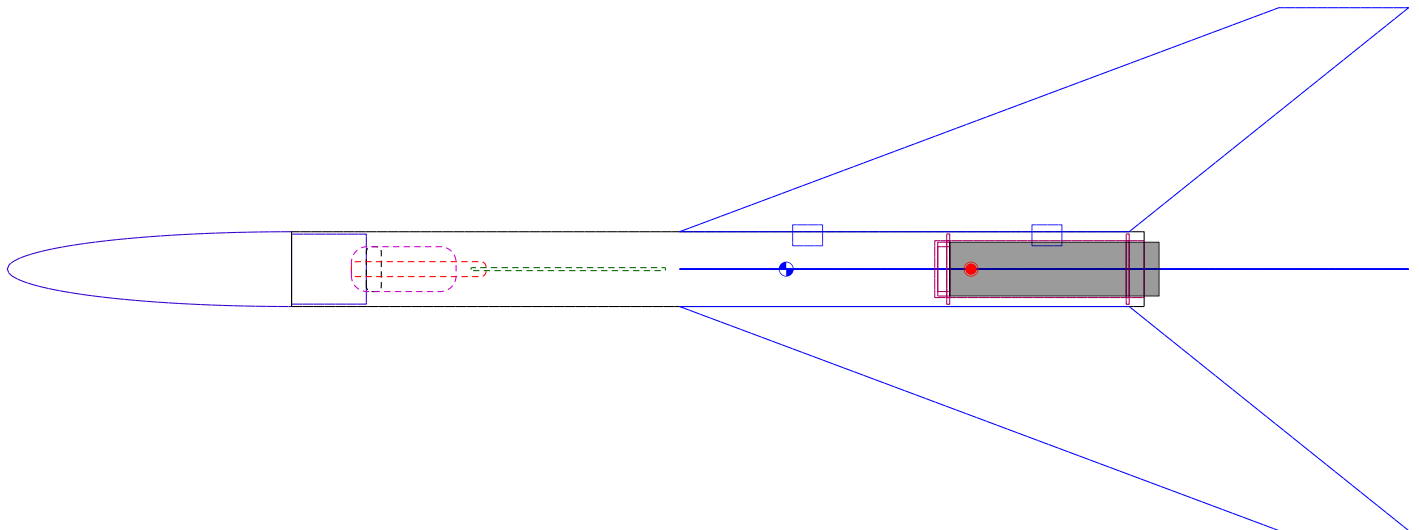


Rocket Design



Trold

Stages: 1

Mass (with motor): 75,5 g

Stability: 2,47 cal

CG: 26 cm

CP: 32,2 cm

C6-5

		Motor	Avg Thrust	Burn Time	Max Thrust	Total Impulse	Thrust to Wt	Propellant Wt	Size
Altitude	181 m	C6	4 N	1,86 s	11,6 N	7,48 Ns	5,40:1	12,5 g	18/70 mm
Flight Time	21,2 s								
Time to Apogee	6,08 s								
Velocity off Pad	15,6 m/s								
Max Velocity	65,4 m/s								
Velocity at Deployment	8,57 m/s								
Landing Velocity	12,7 m/s								

Parts Detail

Hauptstufe

	Spitze Konisch	Balsa (0,17 g/cm ³)	Ellipsoid	Len: 9,5 cm	Mass: 5,28 g
	Masse		Dia _{out} 1,5 cm		Mass: 14 g
	Körperrohr	Papier (Büro) (0,82 g/cm ³)	Dia _{in} 2,35 cm Dia _{out} 2,5 cm	Len: 28,5 cm	Mass: 13,4 g
	Leitrohrchen	Messing (8,6 g/cm ³)	Dia _{in} 0,6 cm Dia _{out} 0,7 cm	Len: 1 cm	Mass: 0,878 g
	Leitrohrchen	Messing (8,6 g/cm ³)	Dia _{in} 0,6 cm Dia _{out} 0,7 cm	Len: 1 cm	Mass: 0,878 g
	Leitwerk (4)	Balsa (0,17 g/cm ³)	Thick: 0,3 cm		Mass: 14,6 g
	Gummiband	Elastikband (rund, 2mm, 1/16 in) (1,8 g/m)		Len: 40 cm	Mass: 0,72 g
	Schockband	Thread (heavy-duty) (0,3 g/m)		Len: 40 cm	Mass: 0,12 g
	Fallschirm	Ripstop Nylon (67 g/m ²)	Dia _{out} 10 cm	Len: 3,5 cm	Mass: 1,97 g
	Shroud Lines	Elastikband (rund, 2mm, 1/16 in) (1,8 g/m)	Lines: 4	Len: 20 cm	
	Innenrohr	Karton (0,68 g/cm ³)	Dia _{in} 1,8 cm Dia _{out} 1,9 cm	Len: 7 cm	Mass: 1,38 g
	Motorzentrier-Ring	Balsa (0,17 g/cm ³)	Dia _{in} 1,9 cm Dia _{out} 2,35 cm	Len: 0,1 cm	Mass: 0,026 g
	Motorzentrier-Ring	Balsa (0,17 g/cm ³)	Dia _{in} 1,9 cm Dia _{out} 2,35 cm	Len: 0,1 cm	Mass: 0,026 g
	Schubring	Papier (Büro) (0,82 g/cm ³)	Dia _{in} 1,5 cm Dia _{out} 1,8 cm	Len: 0,4 cm	Mass: 0,255 g

