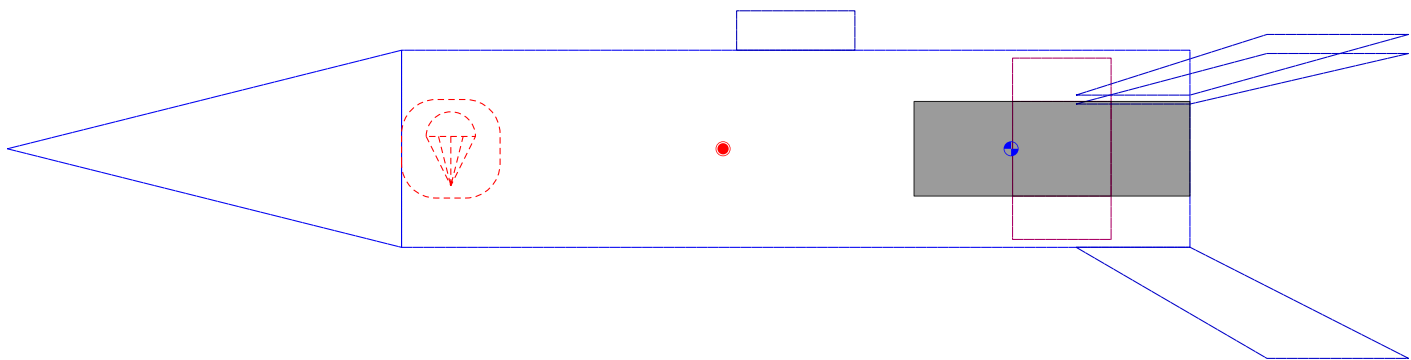


Rocket Design



Cohete Modelo 1
Stages: 1
Mass (with motor): 540 g
Stability: -1,46 cal
CG: 25,5 cm
CP: 18,2 cm

B2-5







Altitude	12,1 m	Motor	Avg Thrust	Burn Time	Max Thrust	Total Impulse	Thrust to Wt	Propellant Wt	Size
Flight Time	4,26 s	B2	1,93 N	2,49 s	5,48 N	4,82 Ns	2,04:1	6 g	11/88 mm
Time to Apogee	2,3 s								
Optimum Delay	-0,193 s								
Velocity off Pad	6,2 m/s								
Max Velocity	12,6 m/s								
Velocity at Deployment	10,9 m/s								
Landing Velocity	5,19 m/s								

D8-5

Altitude	11 m	Motor	Avg Thrust	Burn Time	Max Thrust	Total Impulse	Thrust to Wt	Propellant Wt	Size
Flight Time	3,76 s	D8	8,51 N	2,19 s	28,9 N	18,6 Ns	1,61:1	22 g	24/70 mm
Time to Apogee	2,18 s								
Optimum Delay	0,012 s								
Velocity off Pad	7,86 m/s								
Max Velocity	11,1 m/s								
Velocity at Deployment	9,96 m/s								
Landing Velocity	11,1 m/s								

Parts Detail

Etapla principal

	Ojiva	Cartón (0,68 g/cm³)	Ojival	Len: 10 cm	Mass: 10,1 g
	Cuerpo	Cartón (0,68 g/cm³)	Dia _{in} 4,6 cm Dia _{out} 5 cm	Len: 20 cm	Mass: 41 g
	Paracaídas	Ripstop nylon (67 g/m²)	Dia _{out} 30 cm	Len: 2,5 cm	Mass: 7,98 g
	Shroud Lines	Cordón elástico (aprox. 2mm, 1/16 in) (1,8 g/m)	Lines: 6	Len: 30 cm	
	Retén de motor	Cartón (0,68 g/cm³)	Dia _{in} 2,4 cm Dia _{out} 4,6 cm	Len: 2,5 cm	Mass: 20,6 g
	Soporte para Guía	Cartón (0,68 g/cm³)	Dia _{in} 0,8 cm Dia _{out} 1 cm	Len: 3 cm	Mass: 0,577 g
	Aletas trapezoidales (3)	Cartón (0,68 g/cm³)	Thick: 0,3 cm		Mass: 5,6 g

