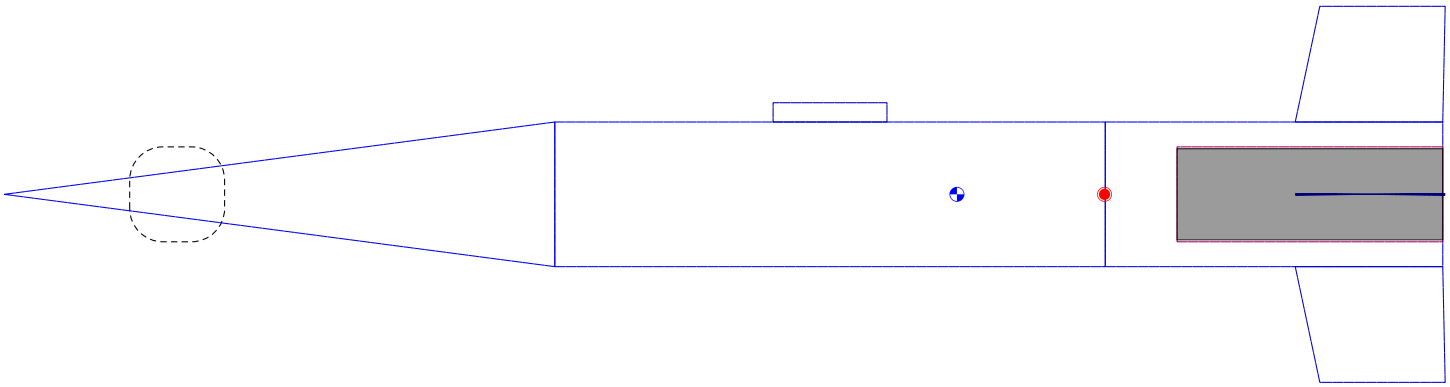
Rocket Design



Rocket

Stages: 1

Mass (with motor): 201 g

Stability: 1.02 cal

CG: 25.1 cm

CP: 29 cm

D12-0

Altitude	243 m
Flight Time	22.4 s
Time to Apogee	7.46 s
Optimum Delay	5.85 s
Velocity off Pad	14.7 m/s
Max Velocity	68 m/s
Velocity at Deployment	N/A
Landing Velocity	21.8 m/s

Motor	Avg Thrust	Burn Time	Max Thrust	Total Impulse	Thrust to Wt	Propellant Wt	Size
D12	10.4 N	1.61 s	29.7 N	16.8 Ns	5.30:1	21.1 g	24/70 mm