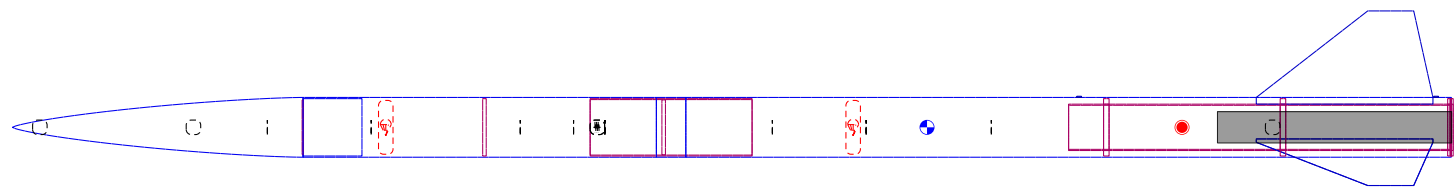


Rocket Design



Extreme Wildman
Stages: 1
Mass (with motor): 21.1 lb
Stability: 4.26 cal
CG: 62.133 in
CP: 79.457 in

5198-M1101-WH-0

Altitude	12502 ft	Motor	Avg Thrust	Burn Time	Max Thrust	Total Impulse	Thrust to Wt	Propellant Wt	Size
Flight Time	205 s	5198-M1101-WH	1111 N	4.68 s	1437 N	5200 Ns	8.65:1	6.83 lb	75/621 mm
Time to Apogee	26.8 s								
Optimum Delay	22.1 s								
Velocity off Pad	21.6 m/s								
Max Velocity	345 m/s								
Velocity at Deployment	22 m/s								
Landing Velocity	7.03 m/s								

K454-SK-14

Altitude	2536 ft	Motor	Avg Thrust	Burn Time	Max Thrust	Total Impulse	Thrust to Wt	Propellant Wt	Size
Flight Time	71.5 s	K454-SK	458 N	2.97 s	586 N	1364 Ns	4.88:1	1.81 lb	54/404 mm
Time to Apogee	13.7 s								
Optimum Delay	10.6 s								
Velocity off Pad	14.6 m/s								
Max Velocity	116 m/s								
Velocity at Deployment	20.5 m/s								
Landing Velocity	6.57 m/s								

L1115-0

Altitude	12337 ft	Motor	Avg Thrust	Burn Time	Max Thrust	Total Impulse	Thrust to Wt	Propellant Wt	Size
Flight Time	202 s	L1115	1116 N	4.47 s	1713 N	5017 Ns	9.05:1	5.28 lb	75/621
Time to Apogee	26.4 s								mm
Optimum Delay	21.5 s								
Velocity off Pad	16.2 m/s								
Max Velocity	339 m/s								
Velocity at Deployment	22.2 m/s								
Landing Velocity	7.1 m/s								