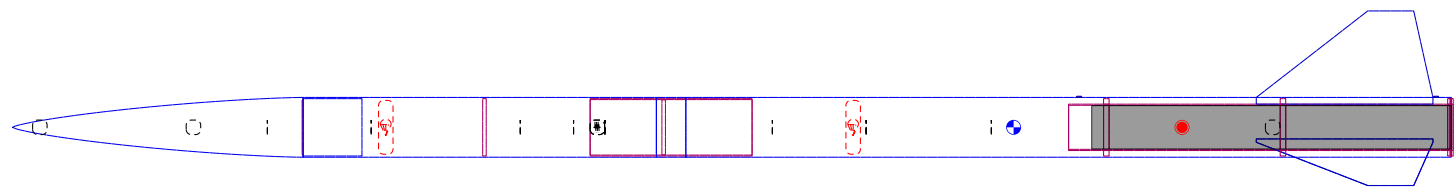


Rocket Design



Extreme Wildman
Stages: 1
Mass (with motor): 28.9 lb
Stability: 2.82 cal
CG: 68.016 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 | | | | | | | | |