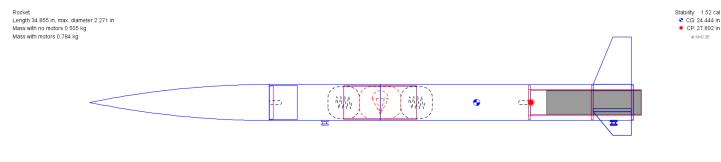


# **Airframe Project Components**

#### The Goal

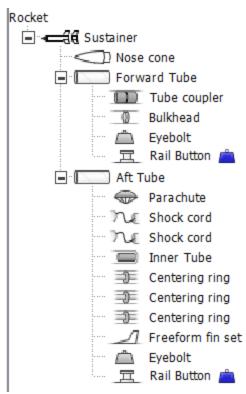
At the end you should have a rocket that looks like this:



## Components

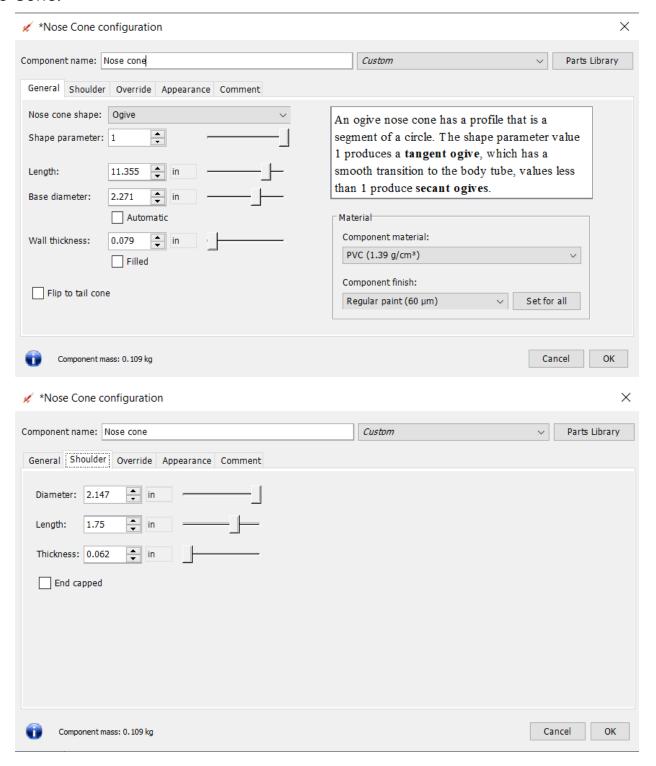
Apogee: 2714 ft
Max. velocity: 207 m/s (Mach 0.59)
Max. acceleration: 186 m/s²

#### Complete list:



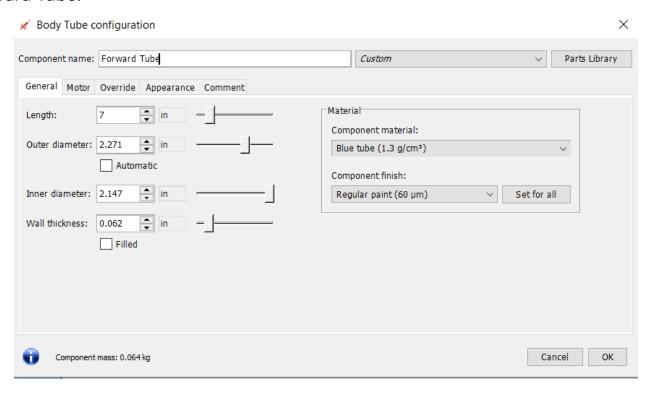


#### Nose Cone:

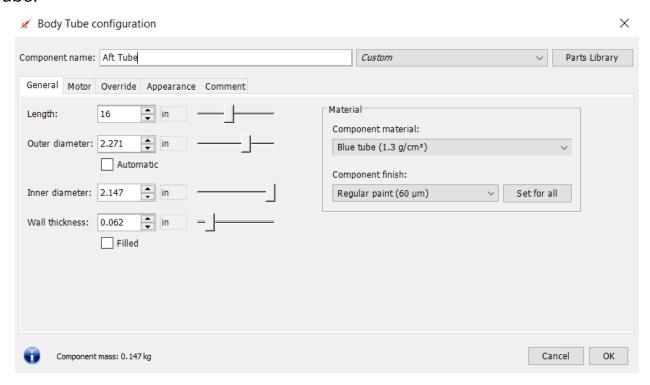




#### Forward Tube:

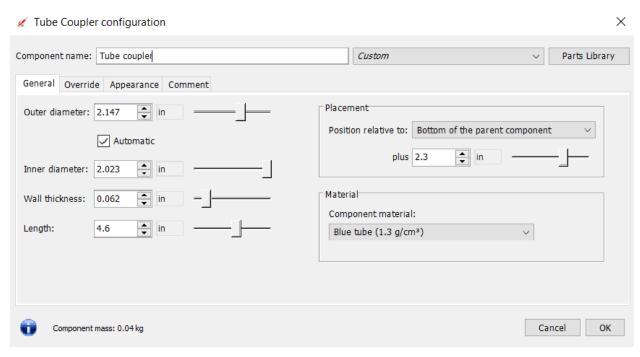


#### Aft Tube:

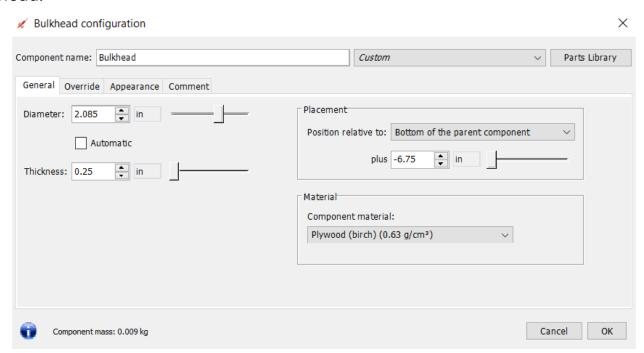




#### Coupler:

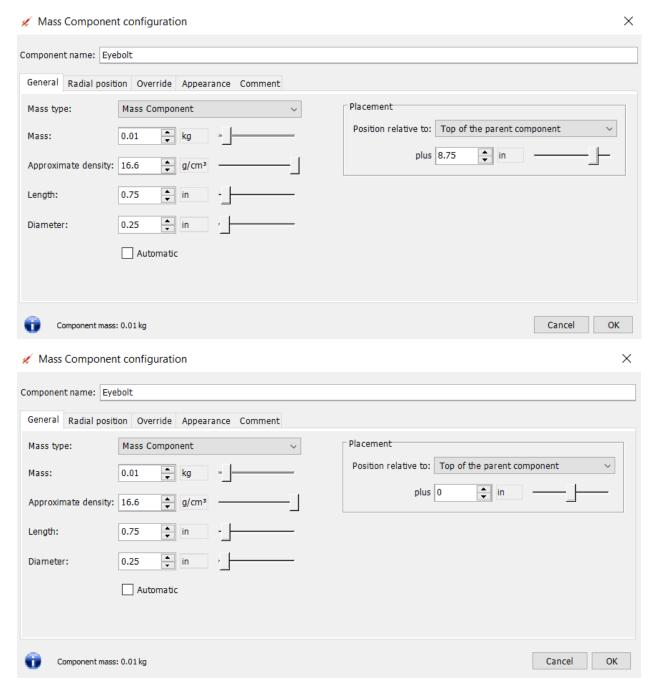


#### Bulkhead:



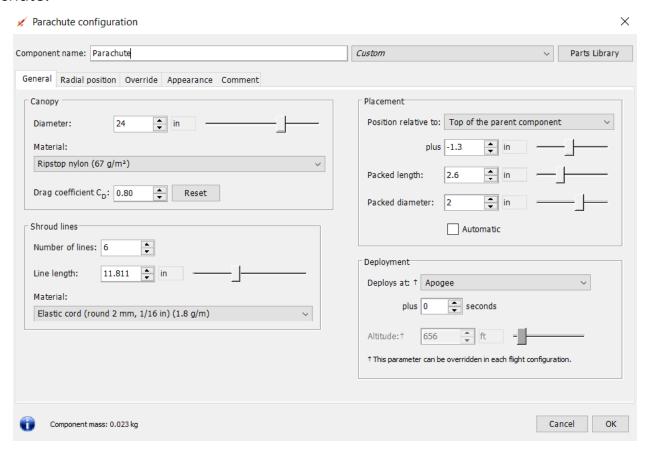


#### Eyebolts:

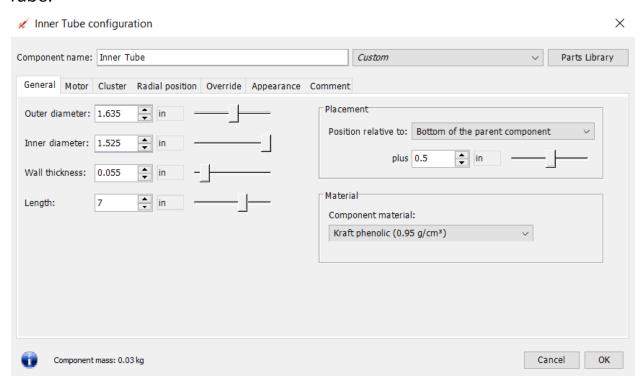




#### Parachute:

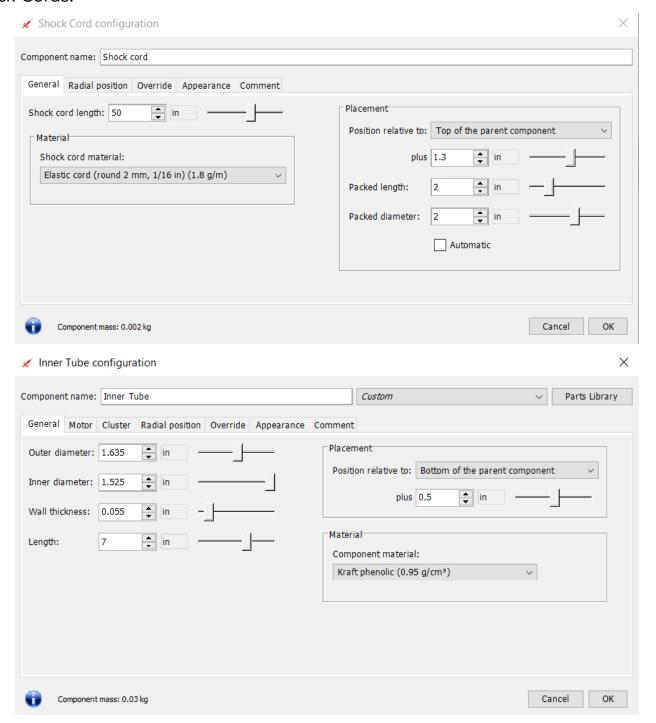


#### Inner Tube:



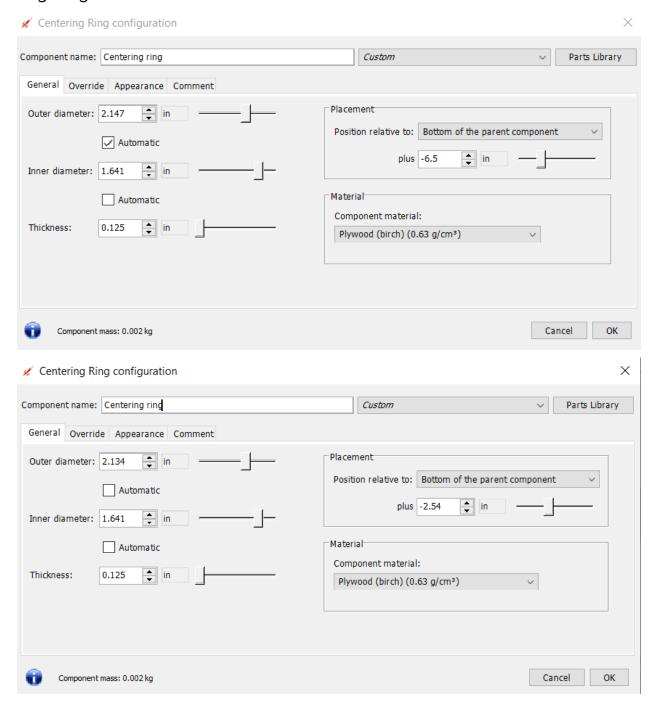


#### **Shock Cords:**

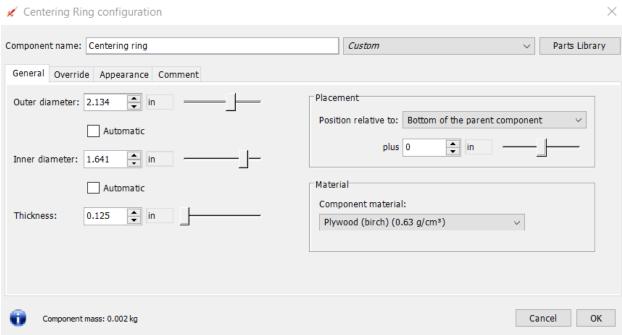




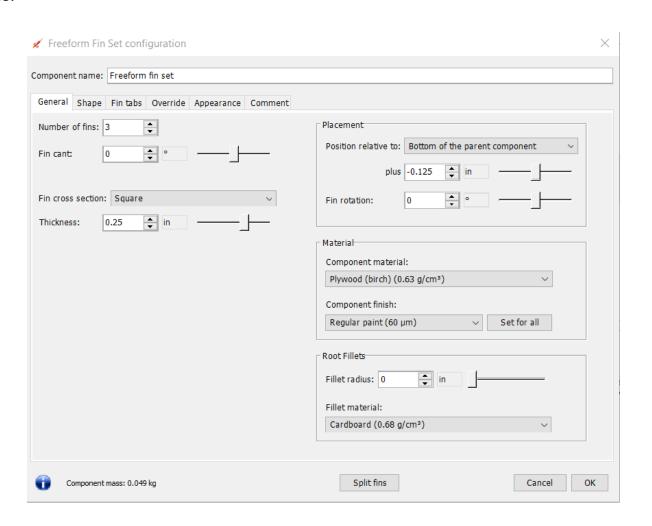
#### **Centering Rings:**



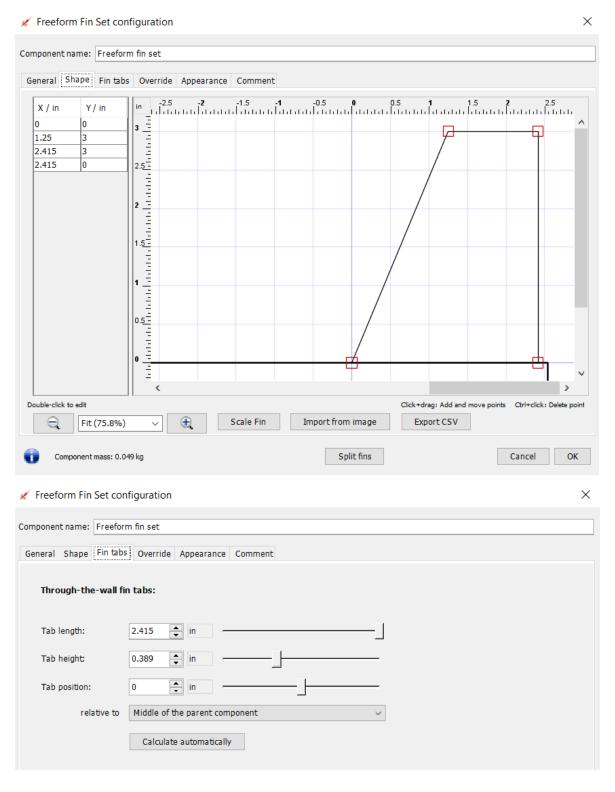




#### Fins:





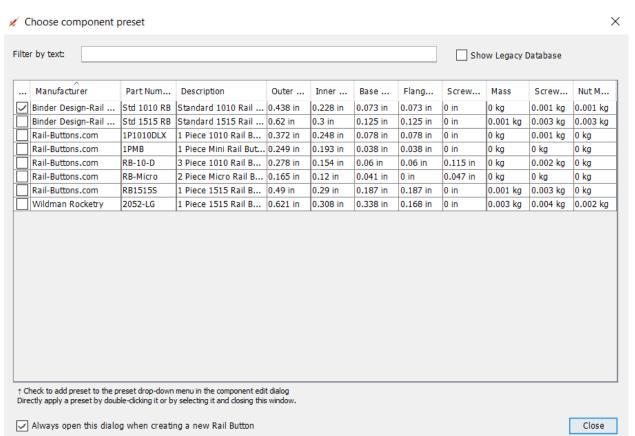




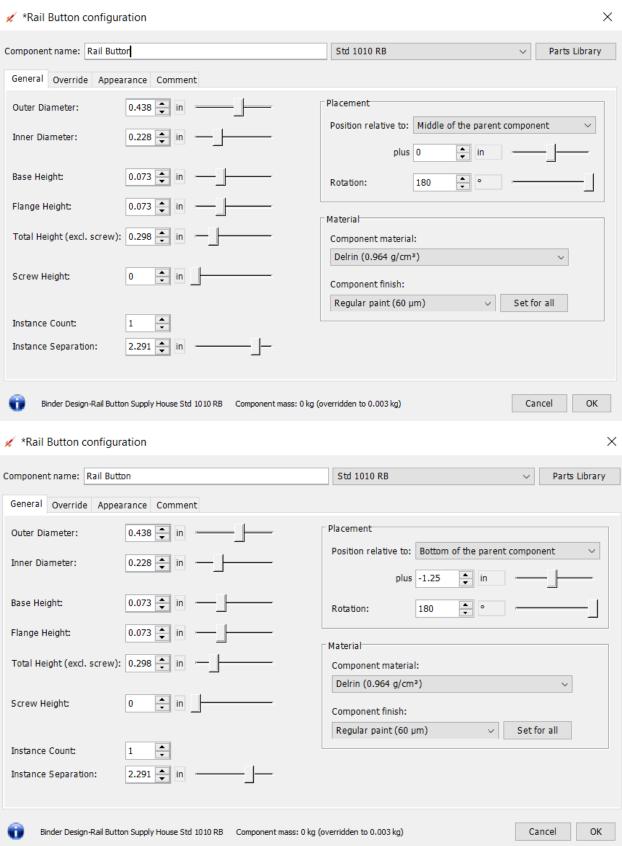
#### Motor:

Motor configurations	
Configuration	Inner Tube
[H123-0]	H123-0 Automatic

#### Rail Buttons:



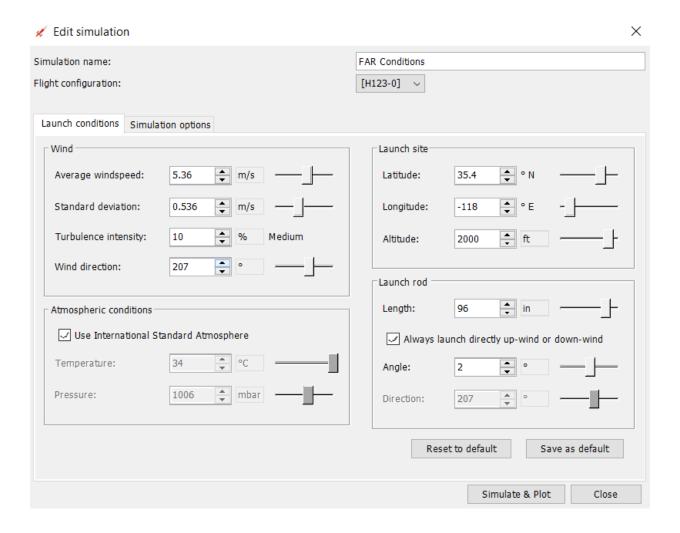






### Simulation

#### Conditions:



#### Plot:

	Name  ✓ FAR Conditions		Configuration [H123-0]		Velocity off rod	Apogee	Velocity at deplo
<b>●</b> ✓					29.9 m/s	2715 ft	3.73 m/s
Optimo	um delay	Max. velocity	1	Max. acceleration	Time to apogee	Flight time	Ground hit velocity
8.41 s		207 m/s		186 m/s²	10.8 s	128 s	6.99 m/s



