


①
Smpa
Orange
fibreglass


Rocket


- ← Sustainer
 - Nose cone 220g
 - Body tube 1275g
 - Parachute 3480g (green)
 - Shock cord 387g (THR plus bulkhead)
 - Tube coupler 360s
 - Bulkhead 360s
 - Launch lug 25g
 - Avionics Bay 207g without electronic
 - Firing Mechanism 625g
 - Bulkhead
 - Body tube 1034g
 - Engine block
 - Centering ring
 - Centering ring
 - Trapezoidal fin set
 - Inner Tube 1571g without nozzle
 - Launch lug 52g

Add new component


Assembly Components



 Stage



 Boosters



 Pods

Body Components and Fin Sets


 Nose Cone


 Body Tube


 Transition


 Trapezoidal

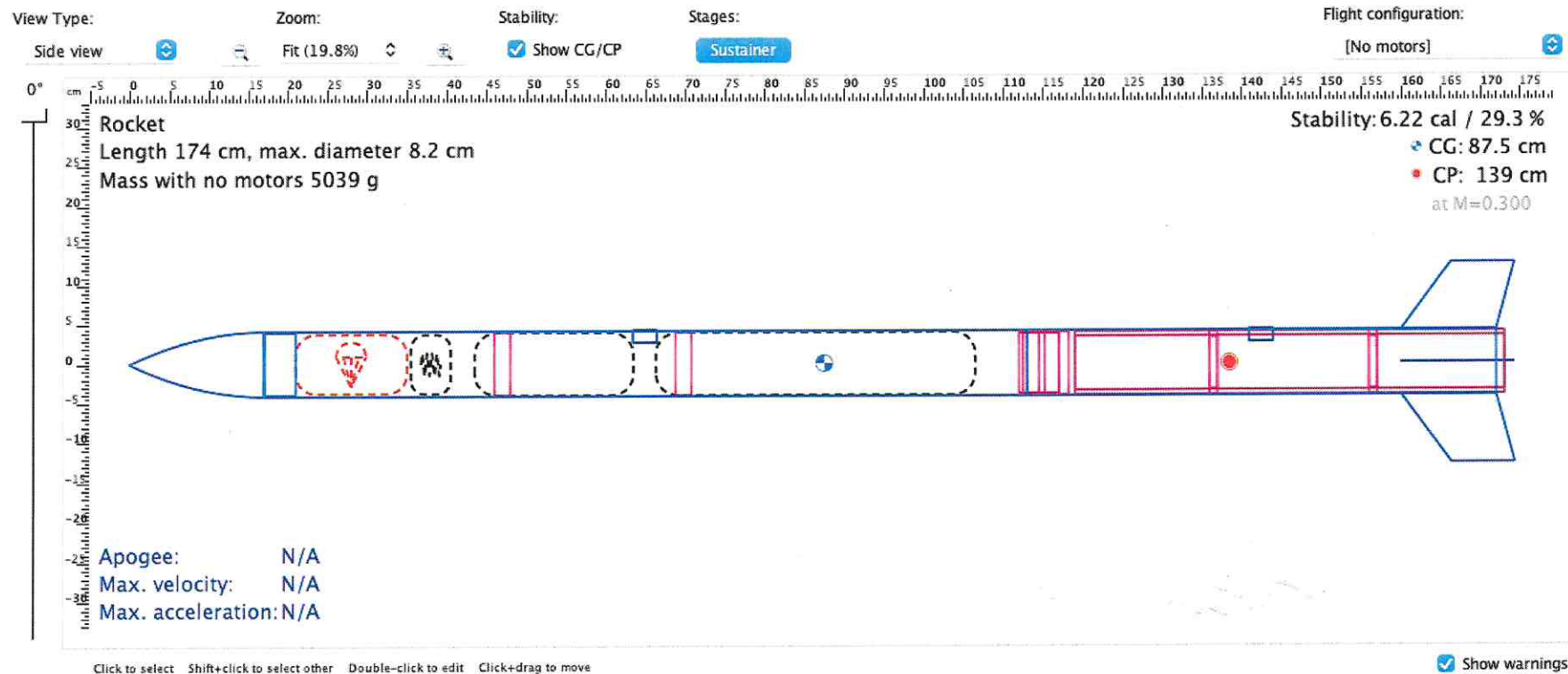
Move up

Move down

Edit

Duplicate

Delete





②
Chai
Blue
Fibreglass

Rocket

- ← Sustainer
 - Nose cone 254g
 - Body tube 1230g
 - Parachute 260g (canon)
 - Shock cord 260g (canon)
 - Tube coupler 357g
 - Bulkhead 360g
 - Bulkhead 360g
 - Launch lug 25g
 - Avionics Bay 208g without electronics
 - Firing Mechanism 623g
 - Bulkhead
 - Body tube 1170g
 - Engine block
 - Centering ring
 - Centering ring
 - Trapezoidal fin set
 - Inner Tube 1570g with 4 nozzle
 - Launch lug 52g

Move up

Move down

Edit

Duplicate

Delete

Add new component

Assembly Components

- Stage
- Boosters
- Pods

Body Components and Fin Sets

- Nose Cone
- Body Tube
- Transition
- Trapezoidal

View Type: Side view

Zoom: Fit (19.8%)

Stability: ☒ Show CG/CP

Stages: Sustainer

Flight configuration: [No motors]

Rocket

Length 174 cm, max. diameter 8.2 cm

Mass with no motors 5039 g

Stability: 6.22 cal / 29.3 %

CG: 87.5 cm

CP: 139 cm

at M=0.300

Apogee: N/A

Max. velocity: N/A

Max. acceleration: N/A

Click to select Shift+click to select other Double-click to edit Click+drag to move

☒ Show warnings

3

Aluminum

Rocket

- Sustainer
 - Nose cone
 - Body tube
 - Parachute
 - Shock cord
 - Tube coupler
 - Bulkhead
 - Bulkhead
 - Launch lug
 - Avionics Bay
 - Firing Mechanism
 - Bulkhead
 - Body tube
 - Engine block
 - Centering ring
 - Centering ring
 - Trapezoidal fin set
 - Inner Tube
 - Launch lug

Move up

Move down

Edit

Duplicate

Delete

Add new component

Assembly Components

Stage

Boosters

Pods

Body Components and Fin Sets

Nose Cone

Body Tube

Transition

Trapezoidal

View Type: Side view

Zoom: Fit (19.8%)

Stability: ☒ Show CG/CP

Stages: Sustainer

Flight configuration: [No motors]

Rocket

Length 174 cm, max. diameter 8.2 cm

Mass with no motors 5039 g

Stability: 6.22 cal / 29.3 %

CG: 87.5 cm

CP: 139 cm

at M=0.300

Apogee: N/A

Max. velocity: N/A

Max. acceleration: N/A

Click to select Shift+click to select other Double-click to edit Click+drag to move

☒ Show warnings

④
Tembo
Black and
Blue

Rocket

- Sustainer
 - Nose cone 251g
 - Body tube
 - Parachute 3238g (Grey)
 - Shock cord
 - Tube coupler 388g
 - Bulkhead 360g
 - Bulkhead
 - Launch lug 245
 - Avionics Bay 1705 (without electronics)
 - Firing Mechanism 304g
 - Bulkhead
 - Body tube
 - Engine block
 - Centering ring
 - Centering ring
 - Trapezoidal fin set 121g x 3
 - Inner Tube 3600g with nozzle and bulkhead
 - Launch lug 52g

Move up

Move down

Edit

Duplicate

Delete

Add new component

Assembly Components

Stage

Boosters

Pods

Body Components and Fin Sets

Nose Cone

Body Tube

Transition

Trapezoidal

View Type:

Side view

Zoom:

Fit (19.8%)

Stability:

☒ Show CG/CP

Stages:

Sustainer

Flight configuration:

[No motors]

0°

cm

Rocket

Length 174 cm, max. diameter 8.2 cm

Mass with no motors 5039 g

Stability: 6.22 cal / 29.3 %

CG: 87.5 cm

CP: 139 cm

at M=0.300

Apogee: N/A

Max. velocity: N/A

Max. acceleration: N/A

Click to select Shift+click to select other Double-click to edit Click+drag to move

☒ Show warnings

5

Notes:
Black and
Gold

Rocket

- ☒ **Sustainer**
 - Nose cone 295g
 - ☒ **Body tube**
 - Parachute 158g (Green)
 - Shock cord 387g
 - Tube coupler 387g
 - Bulkhead 360g
 - Bulkhead
 - Launch lug 24g
 - Avionics Bay 180g (without electronics)
 - Firing Mechanism 344g
 - Bulkhead
 - ☒ **Body tube**
 - Engine block
 - Centering ring
 - Centering ring
 - Trapezoidal fin set 121g X3
 - Inner Tube 3600g with nozzle and bulkhead
 - Launch lug 51g

Move up

Move down

Edit

Duplicate

Delete

Add new component

Assembly Components

Stage Boosters

Pods

Body Components and Fin Sets

Nose Cone Body Tube

Transition Trapezoidal

View Type:

Side view

Zoom:

Fit (19.8%)

Stability:

☒ Show CG/CP

Stages:

Sustainer

Flight configuration:

[No motors]

