

# SPACECAD • DATA SHEET

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## GENERAL ROCKET DATA

Rocket name: My Rocket Printed on 07.09.2012  
Rocket file: Display example.rocx  
Created by: SpaceCAD 5  
Cd-value: 0,75

### WEIGHT

Launch weight: 1776,61 g  
Empty weight: 1549,41 g

### ENGINE CONFIGURATION

Stage 1  
Engines: 4 Estes E9-0

## SPACECAD FLIGHT PREDICTION RESULTS

Max. height: 368,67 ft  
Max. velocity: 34,38 m/s  
Max. acceleration: 31,98 m/s<sup>2</sup>  
Best delay: 3,29 s  
Min. launch rod length: 22,47 ft

### BURNOUT ALTITUDES

Stage 1 at 189,49 ft

### PARACHUTE

For a descent flight of 15,24 ft/s the best parachute diameter is 4 ft.  
For a cutout parachute use a diameter of 5 ft.

## SPACECAD STABILITY RESULTS

Center Of Pressure (CP) : 652,20 mm behind nose cone  
Center Of Gravity (CG) : 683,91 mm behind nose cone

Rocket is unstable (0,41 calibers)

### PER-STAGE STABILITY

n/a

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