

SPACECAD • DATA SHEET

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GENERAL ROCKET DATA

Rocket name: SWT - Octo Printed on 9-9-2004
Rocket file: F:\SWT Rockets\Octo\Octo.roc
Created by: SWT Rocketry - Henk Siewert (<http://www.raket.info>)
Cd-value: 0,75

WEIGHT

Launch weight: 38,78 g
Empty weight: 19,38 g

ENGINE CONFIGURATION

Stage 1
Engines: 1 * Estes B6 (24,40 g)
Stage 2 n/a
Stage 3 n/a

SPACECAD FLIGHT PREDICTION RESULTS

Max. height: 190,44 m
Max. velocity: 93,46 m/s
Max. acceleration: 305,54 m/s²
Best delay: 4,59 s
Min. launch rod length: 538,11 mm

BURNOUT ALTITUDES

Stage 1 at 47,75 m

PARACHUTE

For a descent flight of 3,00 m/s the best parachute diameter is 270,00 mm.
For a cutout parachute use a diameter of 337,50 mm.

SPACECAD STABILITY RESULTS

Center Of Pressure (CP) : 351,82 mm behind nose cone
Center Of Gravity (CG) : 295,09 mm behind nose cone

Rocket is stable (2,29 calibers)

PER-STAGE STABILITY

n/a

