



SWITCH

ONE DESIGN

THE BOAT



CONTROLS

24:1 Cunningham Purchase
48:1 Vang Purchase
5:1 Mainsheet
Single Height Adjuster Line
Rudder Trim

MEASUREMENTS

Length: 3.9 m
Width: 2.25 m
Platform Weight: 29 kg

MATERIALS

Carbon Fibre - Epoxy

SAIL

SAIL AREA: 6.5m² - 7.5m² - 8.5m²
One Design membrane sail
by Mike Lennon from
Quantum sails

SPEED

Upwind speed: > 19 kts
Downwind speed: > 30 kts
Take-off wind speed: 5-6 kts

TRAMPS

Foam filled double sided
Dacron trampoline on a
modular carbon frame

THE RIGS

The Switch has 3 interchangeable rig sizes to suit the weight, gender and age of sailors. Simply replace the bottom mast to change the sail size, the mid and top sections are universal. Ideal for youth sailors to keep the same platform as they move between rigs.



6.5

7.5

8.5

ONE DESIGN

NO COMPROMISES

Every part of the Switch is built to the highest quality standards. Element6Evolution build some of the world's best sailboats utilising the latest CNC technology to ensure the tightest possible tolerance on every component.



Computerised Numerical Control Precision

Hull and deck moulds are 100% carbon/epoxy from a CNC-made master plug
Aluminium CNC tooling is used for all wing and foil parts



Computerised Numerical Control Cut Material

All fabrics, prepreg and cores are cut on CNC-controlled cutting machines
guaranteeing accurate consistency



Quality Control Inspections

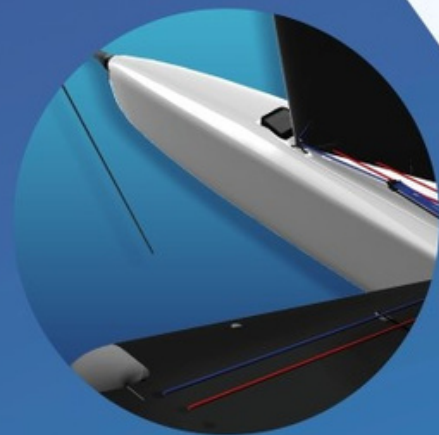
Components and materials go through a purpose-designed manufacturing
quality control system. Geometry, weight and stiffness are checked



Event Checks

Switch Class Measurers will have access to highly accurate jigs and templates
that can be used at national and international events to ensure conformity of all
components and fair racing

TECHNOLOGY



HULL

The carbon epoxy laminate with PVC core makes for a light and robust structure that is set to last in time.

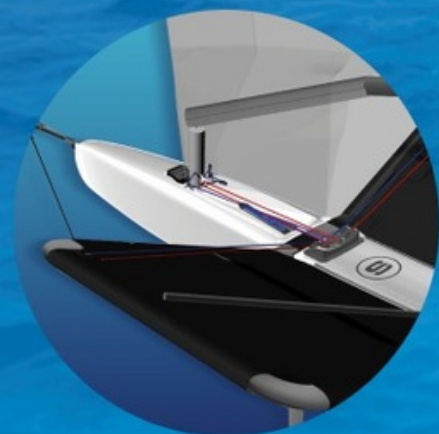
A thin gel coat layer allows for an easily maintainable and repairable surface. Small scratches or minor damages can be effortlessly repaired to keep your hull in top condition.

Delrin CNC machined foil and rudder bearings allow for a consistent and tight fit between your foils and the boat.



WINGS

Front and rear beams are manufactured in collaboration with CST and Element 6 evolution to create a light, stiff and consistent structure.



SPARS

A 3-piece system with CST carbon mast tubes has been chosen for repeatability and consistency.

Carbon 15-degree Bent Boom: Milled Anodized Aluminium Vang Lever.



FOILS

No compromise in performance: A mix of high and intermediate modulus carbon prepreg is implemented in the layup of the foils resulting in excellent stiffness, strength and accuracy maintaining our strict One Design standards.



LOGISTICS

SWITCH IS SMART

When you receive your Switch you are ready to go!

The Switch leaves the E6 factory ready to sail. Control systems are set up and ready to use. The beams slot together whilst the tramps can be fitted and removed with any other changes.

Travel Logistics

EASY STORAGE: With disassembled wings and tramps the boat can be easily stored.

TRAVEL BOX: When fully disassembled the boat can be easily packed in its aluminium (extra) box to minimise shipping expenses.

THREE-PIECE CARBON MAST: Chosen specifically to facilitate shipping, all the mast sections fit inside the sail bag for low volume cost-effective air freight.

