

SYSTEM SAILING

SAILING WITH NUMBERS

SETTINGS & TUNING



THE NUMBERS

Creating a system of measurement tools on your boat is key to being able to reproduce settings and get a good handle on what works and what is fast in a variety of conditions. Let's get started.

THE FOUNDATION



HOW TO USE THIS PLAYBOOK

The Settings & Tuning Playbook is designed to help you take an organized and systematic approach to the settings on your boat. Use the charts and diagrams in this playbook to log what works so it's easy to repeat. This playbook was designed to be flexible to allow you to make it your own and to best suit your program. For best results, use this as a companion to Quantum's System Sailing series with Wally Cross on [QuantumSails.com](https://www.QuantumSails.com). Whatever kind of sailing you're doing and wherever the wind may take you, we hope you will find this to be a helpful resource to improve your enjoyment on the water.

HALYARDS



HALYARD: _____

DESCRIPTION: _____



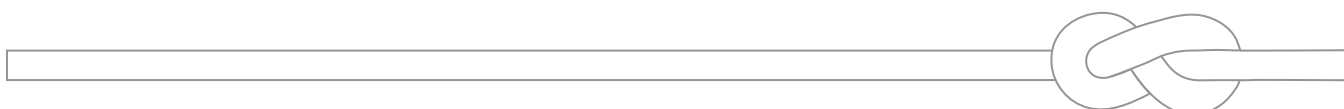
HALYARD: _____

DESCRIPTION: _____



HALYARD: _____

DESCRIPTION: _____



HALYARD: _____

DESCRIPTION: _____

SHEETS



SHEET: _____

DESCRIPTION: _____



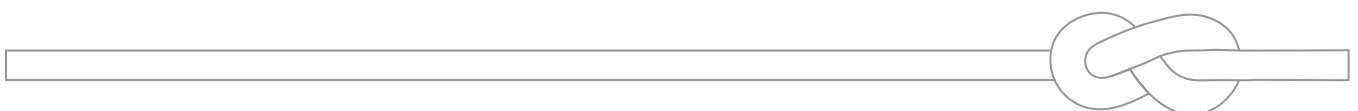
SHEET: _____

DESCRIPTION: _____



SHEET: _____

DESCRIPTION: _____



SHEET: _____

DESCRIPTION: _____

SAIL CONTROL CHART



HALYARDS

SHEETS

UPWIND

| (TWS) | MAIN | HEADSAIL | | | | MAIN | HEADSAIL | | | |
|----------|------|----------|--|--|--|------|----------|--|--|--|
| 0 TO 4 | | | | | | | | | | |
| 5 TO 6 | | | | | | | | | | |
| 6 TO 8 | | | | | | | | | | |
| 8 TO 10 | | | | | | | | | | |
| 10 TO 12 | | | | | | | | | | |
| 12 TO 14 | | | | | | | | | | |
| 14 TO 18 | | | | | | | | | | |
| 18 TO 20 | | | | | | | | | | |
| 20 TO 23 | | | | | | | | | | |
| 24 TO 26 | | | | | | | | | | |
| 26+ | | | | | | | | | | |

HALYARDS

SHEETS

DOWNWIND

| (TWS) | MAIN | SPINN | | | | MAIN | SPINN | | | |
|----------|------|-------|--|--|--|------|-------|--|--|--|
| 0 TO 4 | | | | | | | | | | |
| 5 TO 6 | | | | | | | | | | |
| 6 TO 8 | | | | | | | | | | |
| 8 TO 10 | | | | | | | | | | |
| 10 TO 12 | | | | | | | | | | |
| 12 TO 14 | | | | | | | | | | |
| 14 TO 18 | | | | | | | | | | |
| 18 TO 20 | | | | | | | | | | |
| 20 TO 23 | | | | | | | | | | |
| 24 TO 26 | | | | | | | | | | |
| 26+ | | | | | | | | | | |

SAIL CONTROL CHART



UPWIND

| | (TWS) | BACKSTAY | CUNNINGHAM | OUTHHAUL | TRAVELER | BOOM VANG | JIB LEAD | | | |
|----------|-------|----------|------------|----------|----------|-----------|----------|--|--|--|
| 0 TO 4 | | | | | | | | | | |
| 5 TO 6 | | | | | | | | | | |
| 6 TO 8 | | | | | | | | | | |
| 8 TO 10 | | | | | | | | | | |
| 10 TO 12 | | | | | | | | | | |
| 12 TO 14 | | | | | | | | | | |
| 14 TO 18 | | | | | | | | | | |
| 18 TO 20 | | | | | | | | | | |
| 20 TO 23 | | | | | | | | | | |
| 24 TO 26 | | | | | | | | | | |
| 26+ | | | | | | | | | | |

DOWNWIND

| | (TWS) | BACKSTAY | CUNNINGHAM | OUTHHAUL | TRAVELER | BOOM VANG | | | | |
|----------|-------|----------|------------|----------|----------|-----------|--|--|--|--|
| 0 TO 4 | | | | | | | | | | |
| 5 TO 6 | | | | | | | | | | |
| 6 TO 8 | | | | | | | | | | |
| 8 TO 10 | | | | | | | | | | |
| 10 TO 12 | | | | | | | | | | |
| 12 TO 14 | | | | | | | | | | |
| 14 TO 18 | | | | | | | | | | |
| 18 TO 20 | | | | | | | | | | |
| 20 TO 23 | | | | | | | | | | |
| 24 TO 26 | | | | | | | | | | |
| 26+ | | | | | | | | | | |

TUNING GUIDE

BOAT NAME:

DATE:

TWS

UPPERS

LOWERS

UPPERS

LOWERS

Knots

Turns from base

Turns from base

Tension

Tension

| | | | | | | | |
|----------|--|--|--|--|--|--|--|
| 0 TO 4 | | | | | | | |
| 5 TO 6 | | | | | | | |
| 6 TO 8 | | | | | | | |
| 8 TO 10 | | | | | | | |
| 10 TO 12 | | | | | | | |
| 12 TO 14 | | | | | | | |
| 14 TO 18 | | | | | | | |
| 18 TO 20 | | | | | | | |
| 20 TO 23 | | | | | | | |
| 24 TO 26 | | | | | | | |
| 26+ | | | | | | | |

BASE SETTINGS

| CALIPER #'S | UPPERS | LOWERS | HEADSTAY | RAKE | PREBEND AT SPREADERS |
|-------------|----------|----------|----------|------------------|----------------------|
| PORT | _____ mm | _____ mm | _____ mm | | |
| STARBOARD | _____ mm | _____ mm | _____ mm | Headstay Tension | |
| LOOS GAGE # | | | _____ mm | | |

**Use Calipers to measure distance between turnbuckles once rig is set up at base for repeatability. Record here on this chart.



SETTINGS



