

LOADED 2003

WAVE AND FREESTYLE SAILS

SIMMER
MAUI - HAWAII



**In a sport that is
constantly expanding
its performance envelope,
how important is
the equipment?**

EQUIPMENT IS CRUCIAL

Wave, Wavestyle, and Freestyle sailing lead the way for capturing the mind and imagination, and stoking the passion of windsurfers the world over. Whether sailing in colossal open ocean waves, head high mush burgers, or flat water, the Simmer 2003 sail line will take you places you've never been before, and here's how-

1) Clear distinction between sail lines- X-FLEX and VISION for wave sailing. CROSS-OVER is the "Wavestyle" sail for maximum power in a wide variety of conditions. TWIST for flat water speed and freestyle action.

2) More power. Power equals speed, and as in all performance sports, speed is your best friend. More speed creates more possibilities on the water. More speed is safer. More speed is more fun.

3) More control. The handling characteristics of the 2003 line have been greatly improved through an elaborate system of Kevlar stretch control panels built into the sail. Because of these kevlar reinforcements, the sails do not deform under load. The foil and the twist will remain true, making the sails handle effortlessly through a wide range of conditions. Stretch control keeps the power low and forward, and the leech twisting in a smooth and progressive manner, all the way from the top down to the clew.



Time tested and worldwide proven features makes Simmer Sails stand out.

For our 2003 Wave and Freestyle sail range, we have made it easier for you to enjoy top performance by increasing the optimal rigging zone. We have designed these sails to perform 100%, whether you have slightly more or slightly less than perfect downhaul or outhaul. This will help you experience the greatest possible acceleration, speed, manoeuvrability and control at any given moment, in any given condition. A sail that is more forgiving to rig makes sailing easier. And more fun!!

DESIGN

1) INCREASED LOWER LEECH TWIST

- Increased wind range. • Increased top end speed because of cleaner wind release (less drag = more speed). • Better upwind sailing performance.

2) INCREASED ROTATIONAL SHAPE AT THE FOOT BATTEN

- Provides the power when you need it. • Helps the sail feel feather-light when in a neutral position. • Locks draft position forward in the sail.

3) INCREASED SHAPE BELOW THE BOOM

- Helps maintain the sail's great low end power. • Keeps the center of effort low in the sail.

4) EXPANDED "SWEET SPOT"

- To ensure maximum performance. • Even with less than perfect rigging.

5) SUPER TUNED LUFF CURVE

- More balanced load distribution. • Maximum foil stability and twist/release.

CUSTOM QUALITY CONSTRUCTION

1) Graduated and load specific material application • More balanced give and stretch • Durability

2) Radial tack, clew and head reinforcements • Most efficient load distribution from these high load points • Durability

3) Precision foiled batten tapers • Specifically designed to complement sail shaping

4) New, super durable screw batten tensioner • Regular phillips head screw for easy adjustment • ultra low profile to stay out of your way

5) Continuous Kevlar around rear perimeter of sail • incredible durability • Low stretch characteristics.



X FLEX

Your ultimate wave riding device.

The X-Flex is the best choice for maximum durability and a softer feel. The X-Flex is designed for cutting edge progressive wave sailing. This design is targeted for use in side-on through side-off wind conditions and down the line wave riding. It is especially suited for lighter sailors in any conditions due to the short boom and easy feel.

FEATURES & BENEFITS

- All x-ply panel construction, vinyl window. NO MONOFILM for maximum durability.
- The panel construction gives the X-Flex a soft flexible feel.
- Ultra narrow batten pockets to stabilize batten onto the surface of the sail.
- Integrated, pre-tensioned, sewn-in leech line for durability.
- Short, very surf oriented boom lengths (among the shortest of any sail maker).
- Combination vertical and horizontal seam shaping give the sail a locked, yet flexible feel.

DESIGN

LESS BODY SHAPE ABOVE THE BOOM

- Increased high wind performance.
- A more "bladey" type of feel. This makes the sails much more maneuverable, both on the water and in the air. This bladey feel makes it easier to change your body position quickly, and initiate radical direction changes with less effort.
- Exceptional in high end control.

MORE SHAPE BELOW THE BOOM

- Earlier planning
- More speed
- More control

ELABORATE KEVLAR STRETCH CONTROL SYSTEM

- Eliminates distortion in the most highly loaded parts of the sail, greatly increasing the comfortable wind range of the sails.



Size	Mast	Luff	Boom
3,0	RDM 370	330	133
3,3	RDM 370	348	136
3,7	RDM 370	365	140
4,0	RDM 370	378	145
4,2	RDM 400	390	148
4,5	RDM 400	405	155
4,7	RDM 400	414	158
5,0	RDM 400	427	164
5,3	RDM 430	439	167
5,6	RDM 430	452	175
6,1	RDM 430	457	185



VISION

Every serious wave riders (wet) dream come true

The Vision is the best choice for maximum visibility and a direct feel. The Vision is designed for cutting edge progressive wave sailing. This design is targeted for use in side-on through side-off wind conditions and down the line wave riding. It is especially suited for lighter sailors in any conditions due to the short boom and easy feel.

FEATURES & BENEFITS

- All mono film panel construction gives the Vision a very crisp, direct feel.
- Ultra narrow batten pockets to stabilize batten, onto the surface of the sail.
- Integrated, pre-tensioned, sewn-in leech line for durability.
- Short, very surf oriented boom lengths (among the shortest of any sail maker).
- Horizontal seam shaping for precise foil placement.

NEW INTEGRATED MAST PAD WITH ELASTIC STRETCH PANELS

- Easier to rig, de-rig, and roll the sail.
- Easier to adjust the base while the sail is rigged.
- Elastic stretch panels for easier base access.

DESIGN

LESS BODY SHAPE ABOVE THE BOOM

- Increased high wind performance.
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MORE SHAPE BELOW THE BOOM

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ELABORATE KEVLAR STRETCH CONTROL SYSTEM

- Eliminates distortion in the most highly loaded parts of the sail, greatly increasing the comfortable wind range of the sails.



Size	Mast	Loft	Boom
3,0	RDM 370	330	133
3,3	RDM 370	348	136
3,7	RDM 370	365	140
4,0	RDM 370	378	145
4,2	RDM 400	390	148
4,5	RDM 400	405	155
4,7	RDM 400	414	158
5,0	RDM 400	427	164
5,3	RDM 430	439	167
5,6	RDM 430	452	175
6,1	RDM 430	457	185

CrossOver

• Pure adrenaline equipment for any condition

New for 2003, the Cross-over is the new breed of Wavestyle sail designed for use on maneuver oriented boards in a huge variety of conditions. If you want one sail for everything from onshore junk to flat water tricks, this is it. Now you can Cross-Over without re-rigging.

• FEATURES & BENEFITS

DRAFT SUPER FORWARD

- Front foot bottom turning

TWO PLY DACRON LUFF

- Soft draft forward feel
- Durability

FOOT PIPING FROM TACK TO FOOT BATTEN

- Abrasion resistant, durable

INTEGRATED MAST PAD

- Maximum board protection

• DESIGN

MORE KEVLAR IN LEECH AREA

- Increased leech stability
- Increased durability

SUPER TIGHT BATTEN FIT

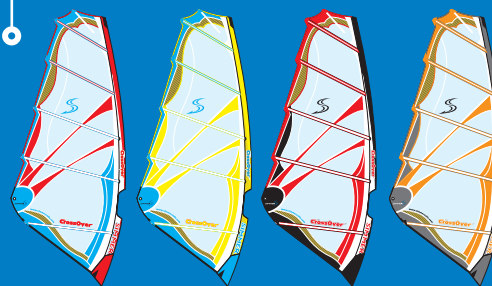
- Stabilizes batten on sail
- More direct foil support and stability

SQUARE CUT KEVLAR BATTEN STOPS

- Eliminates batten poke through damage

DESIGNED ON STANDARD DIAMETER MASTS

- Designed using the Simmer SC6, but compatible with most constant curve masts
- Also compatible with RDM masts



SIZE	BOOM- MIN.	MAX.	LUFF	MAST
3.3	132	134	365	370/17
3.7	140	142	379	370/17
4.0	145	147	388	370/17
4.2	150	152	395	400/19
4.5	156	158	405	400/19
4.7	161	163	413	400/19
5.0	168	170	422	430/21
5.3	173	175	431	430/21
5.7	182	184	443	430/21
6.2	191	193	457	430/21



Expand your abilities, the easy way

The Twist is especially suited for allround sailors in any conditions looking for power and control. It is designed for cutting edge, progressive freestyle sailing and wave sailing in lighter conditions. This design rips in bump and jump and flatwater.

FEATURES & BENEFITS

LARGE BOOM OPENING

- Easy mast handling during maneuvers

ANTI CHAFE HEAD & BATTEN REINFORCEMENTS

- Maximum durability

INTEGRATED MAST PAD

- Maximum board protection

DESIGNED ON STANDARD DIAMETER MASTS

- Designed using the new Simmer SC6, but compatible with most constant curve masts
- Also compatible with RDM masts

DESIGN

KEVLAR IN UPPER LEECH AREA

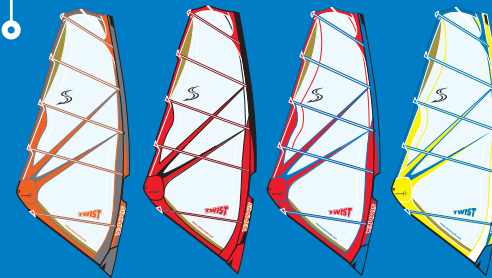
- Increased stability
- Increased durability

DACRON BODY REINFORCEMENTS

- Increased tear resistance, stoppage
- Durability

SUPER TIGHT BATTEN FIT

- Stabilizes batten on sail
- More direct foil support and stability



SIZE	BOOM- MIN.	MAX.	LUFF	MAST
4.9	171	173	410	400/19
5.3	177	179	425	430/21
5.7	182	184	439	430/21
6.0	186	188	450	430/21
6.3	190	192	459	460/25
6.7	196	198	474	460/25
7.1	201	204	486	460/25

Your sail will fit like a glove

All Simmer Sails have been developed using our high performance masts and they are optimized to work 100% together. Each sail has a perfect match among our masts.

SC-RDM

90% Carbon - Wave

Our 90% Carbon Prepreg constructed SC RDM

Not only for the radical! This mast will improve the handling of wave sails for everyone. Every rider will appreciate the easier rigging, more comfortable handling, and light "bladey" feeling that the SC RDM gives their rig. Includes standard diameter boom adapter.

SC-10

SC-10 - 100% Carbon - Race

With the new Tip and Tip, Base and Base technology the SC-10 is among the lightest masts available today. The center of gravity is low and the reflex response ratio is the highest of any mast in our line.

SC-8

75% Carbon - Freerace/Freeride/Freestyle

The ultimate Free-race/ride/style mast, features superior durability and very high performance at an excellent value.

SC-6

55% Carbon - Wave/Freestyle/Freeride

When durability counts the SC-6 rules. This mast has a slightly reduced diameter and increased wall thickness to make it stronger. Boom area and base diameter is still according to industry standards.

SC-3

30% Carbon - All-round

This entry level Carbon mast offers excellent value with maintained top quality and durability.



LENGTH STIFFNESS WEIGHT

CM	MCS	IMCS	LBS	KG
430	25	21	3.9	1.8
400	26	19	3.5	1.6
370	27	17	3.3	1.5



CM	MCS	IMCS	LBS	KG
570	29	39	4.6	2.1
520	27	34	4.6	2.1
490	26	29	3.9	1.8
460	25	25	3.4	1.5
430	25	21	3.0	1.4



CM	MCS	IMCS	LBS	KG
490	26	29	4.2	1.9
460	25	25	3.7	1.7
430	21	21	3.6	1.65



CM	MCS	IMCS	LBS	KG
460	25	25	4.4	2.0
430	25	21	4.2	1.9
400	26	19	4.0	1.8
370	27	17	3.3	1.5



CM	MCS	IMCS	LBS	KG
490	26	29	6.6	3.0
460	25	25	5.9	2.7
430	25	21	5.2	2.4
400	26	19	4.8	2.2

All Simmer masts feature tip and tip, base and base technology - so you can mix and match and replace tips and bases individually.



Simmer World Wide

**Check out our website for more comprehensive information
and authorized dealers: www.simmersails.com**

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