

Dynamic Response

2011



### Dynamic Response

### For me...

The Loft is my passion. Loftsails are the fruit of my dedication to windsurfing both as a rider, and as a sail designer. The Loft is located in Tarifa possibly the best location world-wide for wind sports...

We enjoy the full range of windsurfing conditions here in Tarifa waves, flatwater, chop, lightwinds, medium winds, and the famous super-strong Levante winds. Tarifa is an excellent labratory for intensive rig r&d. The wind made Tarifa my home!

I have been developing curves that animate rigs for over 25 years, my excitement to be on the water increaces as our designs evolve. Tarifa is home to many professional riders who assist in the development of our designs. Windsurfers from all over Europe arrive here to train - and provide us with yardsticks for our development.

My aim as I work with the wind is: top performance in the widest possible wind range AND simplicity. For this reason, The Loft offers six sail lines each sail line with its own identifiable character.

I am fortunate to live near the sea and to make my living from my relationship with the wind. Developing original sail designs is my profession and my passion. I feel the wind daily! It is living, breathing rigs that animate me! Experience The Loft!

Monty Spindler

live your dream

see you on the water ...



# LIPwave

### The Loft's no-compromise hardcore wave design.

Built tough with 100% X-ply and The Loft's Integrated Panel Concept for unsurpassed durability. The Lip Wave is designed to deliver and stable power and quick, easy handling in a huge variety of wave conditions-both sideshore and onshore winds. The Lip Wave offers its rider the maximum in any situation, especially in very critical conditions.

New curve schedules are cut into the Lip Wave; the upper sail body has been tuned slightly firmer. This refinement allows the application of greater downhaul tension, which takes effective leech release further down the leech towards the clew.

The Lip Wave is born in the wind and excels in the upper endThe Lip Wave is an ultra-trim-reactive design that adapts to your riding style and windsurfing conditions.

### Features:

IPe

×-7LY

- State-of-the-art first-quality triaxial and bi-axial laminates

- The Loft's integrated panel concept, 100% monofilm-free
- Full Kevlar-Xgrid foot and leech panels- no frills; only hard-core resistance
- Stepped x-ply application; Kevlar-reinforced perimeter, bi-axial laminate mid & upper sections, bi-axial laminate interior
- New batten taper schedules with extensive application of The Loft's standing (stiff rear) batten
- Sensitip head batten system
- Standing battens-The Loft's exclusive stiff batten systems compatible with exposure to waves

 $2.8 \ 3.1 \ 3.4 \ 3.7 \ 4.0 \ 4.2 \ 4.5 \ 4.7 \ 5.0 \ 5.2 \ 5.4 \ 5.7 \ 6.2$ 





# Warg Jajoe

### All terrain , all games.

iofteelis.com

No other sail covers such an extremely wide range from waves to flatwater freestyle as does The Loft WaveScape. WaveScape's quick, maneuverable character, combined with its efficient lift, easily gets air with or without waves.

The Loft's exclusive integrated panel concept drives longevity into the Wavescape defending your longevity in the waves. New batten sections and taper schedules extend the Wavescape upper end. The WaveScape is even lighter in the hands and allows you more flexibility than ever for your very own style and focus on the essentials.

WaveScape The ultimate wave and freestyle sail for all windsurfers

### Features:

-State-of-the-art first-quality triaxial and bi-axial laminates -The Loft's integrated panel concept -Stepped x-ply application; tri-ax reinforced laminate foot, bi-axial laminate mid & upper sections, monofilm interior -New batten taper schedules with extensive application of The Loft's standing (stiff rear) batten -Standing battens- The Loft's exclusive stiff batten systems compatible with exposure to waves.

3.8 4.2 4.7 5.2 5.8 6.2 6.8











### The Loft's quality invitation/school design.

Light, Simple & Easy The design of choice for beginning / intermediate Windsurf

> Designed with longer boom lengths and shorter mast lengths lowering rig weight balance. Advanced windsurfers and freestylers also appreciate the feather-light handling and trim variability that characterize the Advance.

### Features:

- The Loft's integrated panel concept
- Stepped x-ply application; tri-ax reinforced laminate foot, bi-axial laminate mid & upper sections, monofilm interior
- New batten taper schedules with extensive application
- of The Loft's standing (stiff rear) batten
- State-of-the-art first-quality triaxial and bi-axial laminates

### 2.0 2.5 3.0 3.5 4.0 4.5 5.1 5.8 6.5









# 22 freeride

### Optimize your performance.

loftsails.com

×-7LY

O

Easy to rig for top performance, the ultimate cam-free design has its potential increased yet again. O2 batten systems have been refined, bringing better over control and acceleration. The tuned batten systems work harmonically with the O2 forward shape orientation to produce responsive low-end planning power. The O2 Freeride is reactive to pumping; the O2 breathes especially in choppy conditions. The speed and wind range of the new O2 has been drastically increased. The O2 is designed for the most discerning freeriders looking for the best possible combination of pleasure and performance.

> All O2 Freeride designs are Rdm recommended, Sdm compatible. O2 sizes up to 7.4 : 6 battens (4 tubed) and the Sensitip head batten system. O2 sizes 8.4 and 9.6 : 7 battens (5 tubed) and the Sensitip head batten system.

### Features:

-The Loft's integrated panel concept -State-of-the-art first-quality triaxial and bi-axial laminates -Stepped x-ply application; tri-ax reinforced laminate foot, bi-axial laminate mid & upper sections, monofilm interior -Sensitip head batten system

5.3 5.9 6.6 7.4 8.4 9.6



# BLADE

### Matched performance.

BLADE

×-7LY

The Loft Switchblade is performance optimization through the entire range of use. With 3 Tekcams and the cross-batten concept, Switchblades enjoy innovative rig ergonomics that result in faster rig for many sailors- compared to dedicated slalom designs- due to its ease of use. The exclusive Blade mast pocket construction creates clean, fully loaded mast pockets with equalized loading (rotation ease).

Switch the exclusive Loft Rdm Tekcams to Sdm Tekcams, and your Switchblade fits the mast you choose, bringing the best balanced feeling you search for. For rdm masts- 2 Reduced Tekcams are packed into the sailbag... simply remove the 2 lower Large Tekcams, and place the Reduced Tekcams. Switch! Simple!

### Features:

- Blade mast pocket construction: mast panel AND pocket sides
- (3 elements) tensioned directly
- Firm, clean, easy-rotating leading edge
- Sensitip head batten system
- Alternate side batten pocket applications with xply pockets (centered battens)
- Metallic cam interfaces
- Tekcams (x6). Rdm and Sdm mast compatibility... new, simple, functional, light, adjustable, durable

### 5.8 6.3 6.8 7.3 7.8 8.5 9.3 10.0





# BLADE

### Dedicated to reaching your racing goals.

The New Racing Blade has been developed to match any type of style, weight rider, condition. The Racing Blade delivers maximum power needed by the slalom and speed pilot. New for 2011- the Racing Blade is compatible from 6.3 to 9.5 with both Rdm and Sdm masts. Racing Blades on Rdm masts are ideal for light weight riders in competition, and for high performance cruising...

Rdm masts are perfect for a smooth & easy feeling. Rigged on Sdm masts, Racing Blades deliver the maximum power that serious competitors and mid/heavy weight racers are looking for. For 2011 the Racing Blade wind range has increased as well, with an amazing upper end control and stability – as well boosting low-end performance.

The new Racing Blades introduce this year The Loft's exclusive Internal Batten Tensioner System (ITS). This new Racing Blade feature results in a lighter, smoother, more reactive and aerodynamic leech.

### Features:



FORWARD TENSIONERS WEIGHT OPTIMIZATION BLADE

Internal Batten Tensioner, Internal Kevlar strip applications, Alternate side batten pocket applications, Stepped x-ply construction, Neoprene closure at the boomhole with dual spiral zips,Rdm & Sdm compatibility (sizes 6.3 and larger), Metallic cam interfaces, 4 Teckams- simple, functional, light, adjustable, durable

## 4.9 5.6 6.3 7.0 7.8 8.6 9.5







BLADE

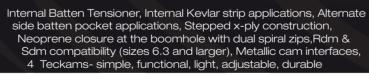
The Loft's exclusive Internal Batten Tensioner System (ITS): This new Racing Blade feature results in a lighter, smoother, more reactive and aerodynamic leech. The batten tensioners are moved forward, just behind the mast for improved rig inertia. The ITS combined with new reduced diameter carbon tubes, and the Racing Blade Pentex upper body panels results in extremely light upper rig weight for overall better performance. Blade mast pocket construction:

Equalized loading between the mast panel (interior) and the pocket (exterior). The result is tensioned, firm mast pockets that rotate with an ease that must be experienced to be believed. Durability is also augmented with the Blade mast pocket construction. RDM and SDM mast compatibility:

11.0 11.8 12.5

Blade FRs are equipped with both Reduced (Rdm) and Large (Sdm) Tekcams. Simply switch your Tekcams- both mast types are compatible with all sizes Blade FR 2011.

### Features:











BLADE







### Accessible Competition - Speed & Slalom

Courseboard racing (longboards with centerboards) need specific designs that drive upwind in displacement mode, then blast downwind in planning mode with the mastfoot back in the mast track.Spindler designed raceboard designs are extremely well established in the longboard racing scene.

The Loft Blade RB is raceboard dedicated... full curves push in low-end power, trim reactivity allows the RB to streamline for upper-end ease. Course racing made easy.

### Features:

-Internal Kevlar strip applications that define shape profile and maintain shape stability

-Blade mast pocket construction: mast panel AND pocket sides

- (3 elements) tensioned directly; equalized loading- firm, clean,
- easy-rotating leading edge

BLADE

-Alternate side batten pocket applications with xply pockets-Stepped x-ply construction (5mil lower sections,

- 4mil upper sections and mast pocket)
- -Sensitip head batten system
- -Neoprene closure at the boomhole with dual spiral zips
- -Rdm & Sdm compatibility
- -Metallic cam interfaces
- -3 Teckams- simple, functional, light, adjustable, durable











FADE











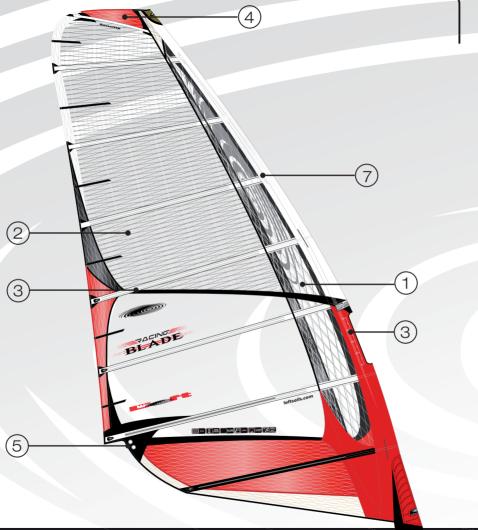




| BLA  | DE   | BLA                           | DE                          |
|--|--|-------------------------------|-----------------------------|
|  |  | A                             |                             |
|  | 1  |                               |                             |
|  |  | E                             |                             |
| SIZE LUFF BOOM<br>12.5 578 292<br>11.8 567 282<br>11.0 554 274 | 1 MAST EXTENSION<br>550 + 28<br>550 + 17<br>520 + 34 | SIZE LUFF BOON<br>9.5 524 250 | M MAST EXTENSION<br>520 + 4 |
|  |  |                               |                             |

## Features





### Dynamic Response

Racing Blades are engineered with 4mil Xply mast pocket sides and a 5mil Xply interior mast panel. Kevlar strips surround Tekcams to prevent pocket stretch. Full Kevlar foot panels. Loftsails are produced with only first-quality materials and construction techniques... scrim adhesive reinforcements and 5-layer glued sandwich on all seams. Bi-axial and multi-axial grid xply styles built into all Loftsails.

Racing Blade Pentex upper body panels results in extremely light upper rig weight for overall better performance. Pentex is an advanced polyester fiber that has the BEST UV resistance of any modern fibers used to produce current, high quality sail laminates.

Racing Blade batten systems are highly developed. Four different batten sections are employed to produce The Loft Racing Blade battens. All carb larger diameter Super-Tubes are installed at specific locations, preventing rearward migration fo sail shape. All carb smaller diameter Super Tubes are installed in the upper 3 batten pockets. These new batten sections are light and stiff, assisting in the creation of the light, responsive feeling characteristic of Racing Blades.

The Loft's Sensitip head batten design is the only downhaul-activated tip system. The Sensitip rod is flexed as downhaul tension is applied; stretch your feeling out and up at the tip! An improved head planform is possible with the application of the Sensitip. The result is soft, stable and natural leech twist at the tip that expands performance and wind range. The Loft Sensitip is applied to Loft Lip Wave, O2 Freeride, Switchblade, Racing Blade, Blade FR, Blade RB designs.

All Loftsails include our simple, light, on-the-fly outhaul adjustment system. The Loft Adjustable Outhaul allows easy on-the-water outhaul adjustments, so you can adapt your rig to the windsurfing conditions without needing to visit the beach. Once experiencing the system you will appreciate its ease of use and the expansion of your wind range.

Tekcams- Rdm/Sdm compatibility !

(6)

7

(1)

(2)

(3)

(4)

(5)

Windsurfing knows two mast types- Standard Diameter Masts (SDMs), and Reduced Diameter Masts RDMs). The Loft Tekcam System allows both mast types to be compatible. Blades 6.3 and larger include both Large and Reduced Tekcams: Loft Blades adapt to your mast! (5.6 & 4.9 are RDM specific).

Forward Tensioners- Optimized weight distribution. The Loft introduces improved rig reactivity by redistributing weight from the leech to the mast. The upper 3 batten tensioner assemblies are moved forward to the batten front end-just behind the mast. Less weight at the leech edge improves Blade reactivity, and gives the Blade rider a lighter, more direct feeling.



# Mast & Extensions

| Loftmasts | TE RDM 1 | 00% Carbon |
|-----------|----------|------------|
| LENGTHS   | IMCS     | CARBON     |
| 370       | 15       | 100%       |
| 400       | 17       | 100%       |
| 430       | 19       | 100%       |
| 460       | 21       | 100%       |
| 490       | 25       | 100%       |
| 505       | 29,5     | 100%       |
| 520       | 33       | 100%       |
| 550       | 35       | 100%       |



| Loftmasts | s 100% Car | bon RDM |
|-----------|------------|---------|
| LENGTHS   | IMCS       | CARBON  |
| 340       | 13,5 SB    | 100%    |
| 370       | 17 SB      | 100%    |
| 400       | 19 SB      | 100%    |
| 430       | 21 SB      | 100%    |
| 460       | 25 SB      | 100%    |
| 490       | 29 SB      | 100%    |
| 505       | 31,5 SB    | 100%    |
| 520       | 33 WB      | 100%    |
| 550       | 35 WB      | 100%    |

|           |                   |                | LENGTI<br>340<br>370<br>400<br>430<br>460<br>490 |
|-----------|-------------------|----------------|--|
| Loftmasts | 5 <b>100% Car</b> | <b>bon SDM</b> | <b>Loft</b>                                      |
| ENGTHS    | IMCS              | CARBON         | LENGT  |
| 400       | 19                | 100%           | 400  |
| 430       | 21                | 100%           | 430  |

100%

100%

100%

100%

25

29

33

35



| Lonmast | s 75% Carl | DON RUIVI |
|---------|------------|-----------|
| LENGTHS | IMCS       | CARBON    |
| 340     | 13,5       | 75%       |
| 370     | 17         | 75%       |
| 400     | 19         | 75%       |
| 430     | 21         | 75%       |
| 460     | 25         | 75%       |
| 490     | 29         | 75%       |
|         |            |           |



| Loftmasts | 75% Ca | rbon SDM |
|-----------|--------|----------|
| LENGTHS   | IMCS   | CARBON   |
| 400       | 19     | 75%      |
| 430       | 21     | 75%      |
| 460       | 25     | 75%      |
| 490       | 29,5   | 75%      |



| Loftmasts 50% Carbon RDM |      |        |  |
|--------------------------|------|--------|--|
| LENGTHS                  | IMCS | CARBON |  |
| 370                      | 17   | 50%    |  |
| 400                      | 19   | 50%    |  |
| 430                      | 21   | 50%    |  |
| 460                      | 25   | 50%    |  |



### Autoclave process

Loft masts are constructed using carbon fiber pre-pregs which are cured using a temp specific autoclave process. The result produces masts with the highest possible laminate qualities: no air entrapment for maximized mast integrity.

FN

460

490

520

550

### Carbon fiber layers

Loft masts include an inner spiral of carbon for compression strength. Three layers of unidirectional carbon run longitudinally (without crimp) for maximum compressive strength.

Loft masts production processes allow the fiber layers to be controlled in spacing and distribution so mast flex "fine tuning" becomes possible.

### New Loftsails RDM Extension

### - Super resistant euro-pin with 3 stailess rollers - Auto cam system adjustment collar

- One size: 45 cm Alloy or carbon - Auto cam system adjustment collar

### **New SDM Extension**

1 RDM Carbon 45 cm 2 RDM Alloy 30 and 45 cm 3 SDM Alloy 45 cm (4) SDM Carbon 45 cm





### **The Olympic Harness**

- One-size-fits-all
- Quad back-adjustment buckles - Neoprene interior
- All webbings sewn through
- Key lanyard inside neoprene rear pocket with Velcro closure

### **The Slalom Harness**

- 4 Sizes S M L XL - Neoprene rear key pocket - All webbings sewn through - Includes x4 shaped seams for ideal lower back support - Key lanyard inside neoprene rear pocket with Velcro closure - Lower zone triple layered - 3 pieces neopren interior

### **The Wave Harness**

- 4 Sizes S M L XL
- -Thermo-formed rear mold with integrated key pcket
- Quad mega elastic velcro belts
- Soft neoprene interior
- All webbings sewn through - Key lanyard inside neoprene rear - 20-26cm.
- pocket with Velcro closure - Ergonomic central back pad

### The Harness lines

Fixed lines, velcro closure. - 20cm. 22cm. 24cm. - 26cm, 28cm, 30cm

Vario Lines

- plastic-buckle
- 26-32cm

### Loft Booms "new feeling in your hands"

- Neutral head: Articulating to accept any boom height/clew position
- Integrated one-piece carbon head.
- Compatible with normal diameter masts and reduced diameter masts
- Molded single-piece tail (including vario-arms); elegant stiffness.
- Multi-threading molded tail; universal adaptability.
- 2.5cm steps for length adjustment and 60 cm vario range.
- Harness line position identification with large red EVA position markers.
- Optimized 31 mm arm diameter; stiff and easy.
- Wave, Free Wave and Slalom availible 26 & 29 diameter



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