# 2017 Sail Range







### Barry Spanier:

One year on, two years ahead...

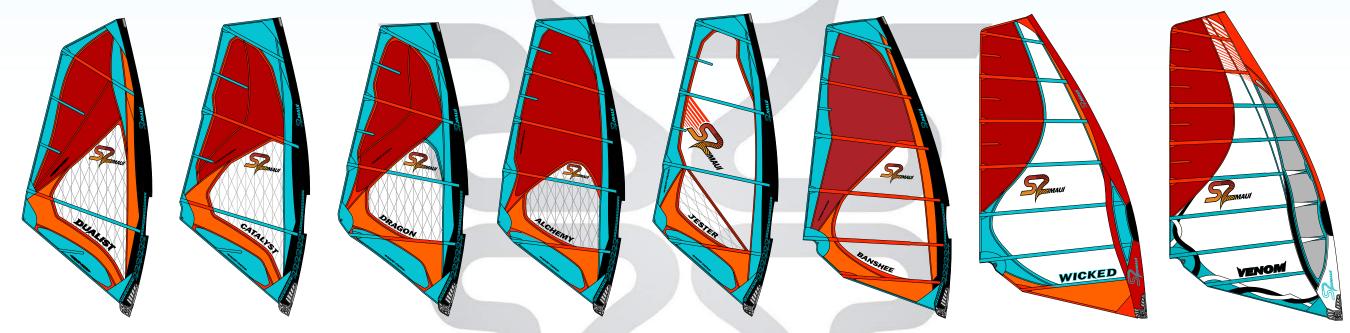
Years of working with Art Szpunar and Rick Whidden have proven to be creative and inspirational. Ten years of cooperation and collaboration with Art have proven to me that he is worthy and capable of taking all of my design philosophy and much more into the future. His talent and determination stand above the rest in my mind, and I am happy to see him exceed all my own abilities. S2 is growing based on deep strengths bound in the fertile soil of amazing hard work and relentless drive to thrive in this challenging environment. This simply means S2Maui is for real and has the awesome things every sailor should seek and appreciate.

S2's SpaceLight™ fabrics are the most significant development in materials. A year of hard use and observation has proven it is possible to reduce weight and increase performance, while retaining durability and keeping costs competitive. Weight reduction is the most obvious immediate return, as much as 20% against all other available laminate types (matching super expensive load path string models), but the built-in stability and delivery of power ramps up the fun quotient. The dimension of liveliness and weight savings that must be experienced to understand.

**S2Maui** is family to me. There is depth to the core, a collection of talents meant to be together, which I see bringing a continuing string of good ideas and wicked good performance into the future of the sport. Talent like Casey Hauser, Jake Miller, Russ Faurot, and Bryan Metcalf-Perez add the spice and details that attract and inspire the people who will truly make **S2** great, those that are the satisfied users. Foiling and other advances will challenge design, and the human drive to win at competition will fuel the wonderful search for better solutions. I feel privileged to be considered relevant in our consultation and can feel the energy of the future in all our conversation.

# 2017 Sail Range Overview

**S2Maui** is thriving because we are passionate about innovative design and windsurfing, continuously searching for breakthroughs to enhance the experience and create new performance levels. Our direction for innovation is intuitive, but focused in the most solid foundation of design experience, proven creativity, and detailed analysis. Creating wings that powered many champions to the highest levels, and brought stoke to passionate soul-riders, is our proven practice. Our reward comes during daily sessions on Maui's North Shore, when the elements of meticulous work and wild nature meld and make magic.



True to our philosophy of building no-compromise sails delivering ultimate performance, quality and value, we are pleased to present our 2017 Wave, Freeride and Freestyle Range. Our unmatched passion for wave sailing has led to a most comprehensive wave line. Styles range from the ultimate competition performance *DRAGON* four batten wave sail to the ground-breaking two batten *DUALIST* for purist wave riders. The three batten *CATALYST* energizes the radical new school, while *ALCHEMY* gives magic control and stability with its five batten skeleton. For the dedicated freestyler, the new *S2Maui JESTER* performs at the cutting edge. For those hooked on velocity, the 6-batten freeride/freerace no-cam *BANSHEE* screams at high speed. Our Legacy of designing championship race sails meets with the ultimate materials to yield the lightest, pure performance race sails available. The 2017 VENOM provides outrageous acceleration and speed with an incredibly light, smooth, stable and efficient feeling. Also new for 2017 is our WICKED, 2-cam freerace sail, which shares some DNA with the VENOM, but is designed to be more forgiving, while offering exceptional speed and handling.

All ranges include our exclusive, ultra-light and strong *SpaceLight*<sup>TM</sup> material technology, which must have challenged the world's three largest windsurfing brands this past season when independent magazine tests proved *S2Maui* designs to weigh approximately 20% less than their "comparable" models. We think this has been an excellent beginning. And there is room for so much more.

A grass roots company fueled by the passion of those who have generously given their support and time, **S2Maui** is steadily growing, exemplifying the visions of creativity and the drive to progress and inspire our great sport. We charge ahead. The future is exciting.

Aloha, Artur Szpunar



# **TECHNOLOGY**

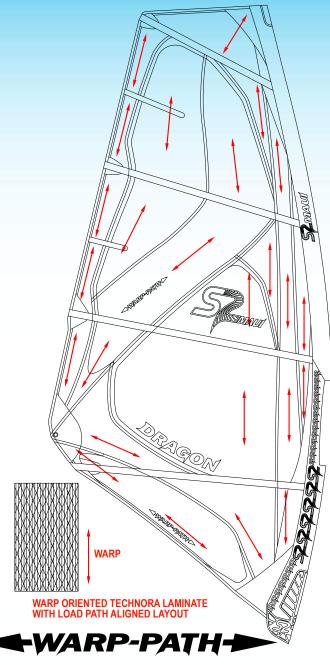
To achieve our goal of developing sails with the highest possible performance, lightest weight and exceptional strength, we worked closely with the world-leading sail cloth manufacturer to design and develop the ultimate super-light and strong laminate sail cloth,  $SpaceLight^{TM}$  to be used exclusively with our original, load oriented  $WARP-PATH^{TM}$  sail construction..

## SPACE LIGHT

*SpaceLight*<sup>™</sup> is S2 Maui's exclusive durable super-light and stable laminate sail cloth featuring warp oriented *Technora*<sup>™</sup> fibers.

- LIGHTER MATERIAL: *Technora*<sup>TM</sup> and scrim matrix combined with double pass laminated, light weight films reduces weight by 50% to 75% compared to standard 5 mil sail material.
- STRONGER MATERIAL: *Technora*<sup>TM</sup> fibers used in warp and bias directions have three times the tensile strength of standard polyester fibers.
- LESS STRETCH: Specifically oriented warp fibers have three times less stretch. This is necessary for specific load orientated panel configurations.
- MORE DURABLE: The scrim base and *Technora™* yarns develop incredible tear resistance. Double pass lamination ensures a perfect bond with adhesive on both sides of the fibers and helps prevent delamination.
- MORE UV RESISTANT: The opaque and metallic (red) pigments on both sides of the laminate have outstanding UV resistance.



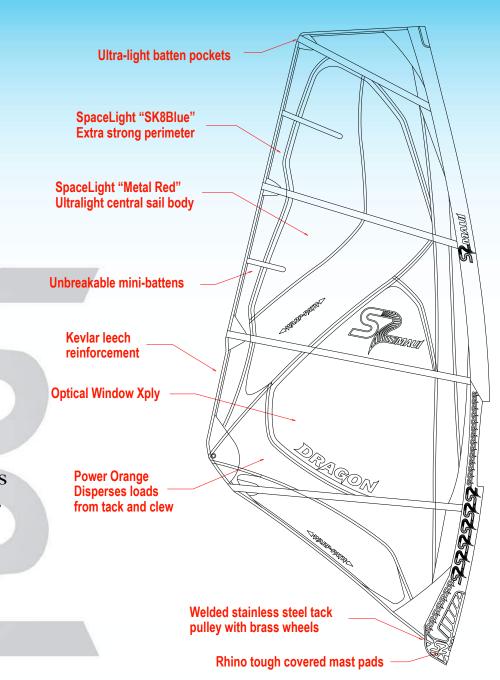




## WARP-PATH

*WARP-PATH™*, *S2 Maui*'s functional and unique panel layout, aligns *SpaceLight™* warp oriented *Technora™* fibers along load paths in the sail body.

- LIGHTER SAILS: The strength of load oriented *Technora*<sup>™</sup> fibers in super light *SpaceLight*<sup>™</sup> material allows for reduction in patch size which results in a weight of finished sails 10-20% % below industry standard.
- STRONGER SAILS: Load oriented panels with high strength *Technora*<sup>TM</sup> distribute tension in high stress areas and create an incredibly strong sail body and perimeter. Double pass lamination ensures long term durability.
- STABILITY: Low stretch *Technora<sup>TM</sup>* fibers resolve downhaul, perimeter, and twist loads throughout the sail body, locking in shape, and limiting distortion wrinkles.
- MORE RESPONSIVE: The light weight and low stretch allow for an extremely quick reacting and responsive sail dynamic. Diagonally oriented *Technora™* enables instant twist reflex response.
- HANDLING: Properly resolved internal tension in the sail skin creates a magical feel that is light in the hands, and produces smooth consistent power.
- BALANCED TENSION: The *WARP-PATH*<sup>TM</sup> panel layout fiber orientation distributes forces throughout the sail body, creating a balanced skin tension and a smooth, efficient shape under load. The rig feels perfectly balanced and connected throughout a wide wind range.
- SHAPING FLEXIBILITY: *WARP-PATH™* offers benefits of fiber orientation combined with the profile control advantages of vertical/horizontal sail shaping techniques.





# DRAGON

## Competition Performance, Power & Agility

The Dragon has proven itself as the ultimate high performance, ultra-light, progressive wavesail. Combining incredible maneuverability and light, responsive handling with excellent power and wind range, the Dragon will draw the most radical lines at Ho'okipa, while also dominating a wave competition during a North Sea storm. Achieving agility and power from its perfectly balanced lower aspect ratio, the Dragon puts you quickly into position to execute the most demanding wave moves in down-the-line and onshore conditions alike, transitioning flawlessly from hard driving bottom turns to neutral off-the-top. Combining the power of traditional sails .2 square meters larger with reduced rotational inertia due to the low aspect ratio superlight weight, the Dragon has a breathtaking maneuverability advantage that has to be experienced.

## **Artur Szpunar:**

Increased use of SpaceLight<sup>TM</sup> together with size by size refinements give the Dragon an even smoother and more incredibly light feel. The meticulous "focus point" shaping developed around the low aspect ratio combined with the load carrying ability of the WARP-PATH<sup>TM</sup> aligned panel layout balances the power exceptionally well for excellent stability. Constructed in our exclusive SpaceLight<sup>TM</sup>, the Dragon is certainly one of the lightest and strongest 4-batten wavesails on the planet.

#### **DRAGON Specs**

Size	Mast	<b>IMCS</b>	Luff	Boom	Downhaul	Head	Battens
3.4	340	15	341	141	5	4	4
3.8	340/370	15/17	348	147	9/5	1/27	4
4.2	340/370	15/17	364	155	25/5	1/11	4
4.6	370	17	383	162	13	Fixed	4
5.2	400	19	409	171	9	Fixed	4
5.6	400	19	415	178	15	Fixed	4





# CATALYST

## **New School Radical Surf**

The lightest and most agile 3-batten wave sail at Ho'okipa has gotten even lighter for 2017. The ultra-maneuverable and lightning quick Catalyst performs at the highest level in sideshore conditions and radical maneuvers. The center of effort is perfectly positioned to naturally draw fantasy, surf-style lines on the wave face, while *S2Maui*'s exclusive *FocusPoint*<sup>TM</sup> shaping ensures the stable profile and good wind range necessary to handle gusty offshore conditions. As the name suggests, the Catalyst's instant reactivity will energize your wave ride and facilitate aggressive lines and progressive moves.

## Artur Szpunar:

S2Maui's FocusPoint<sup>TM</sup> shaping concentrates the shape where it is most important for supporting the sail structure, optimizing balance while allowing the sail to feel light and effortless. Our load oriented WARP-PATH<sup>TM</sup> panel layout, using our exclusive, ultra-light, low stretch SpaceLight<sup>TM</sup> laminate material, contributes to the stability and responsiveness of the sail as well as to the incredible light weight.

#### **CATALYST Specs**

Size	Mast	<i>IMCS</i>	Luff	Boom	Downhaul	Head 1	Battens
3.8	340/370	15/17	358	147	19/5	1/17	3
4.2	370	17	377	155	7	Fixed	3
4.6	370	17	386	162	16	Fixed	3
5.2	400	19	412	170	12	Fixed	3





# DUALIST

# Wave Riding Purist

The revolutionary 2-batten Dualist came about due to our passion for innovative design and continuous search for the next performance breakthrough. Specialized for down-the-line, waveriding purists, the sensation of the *S2Maui* 2-batten Dualist can only be described as insanely light and agile with tons of drive. These characteristics, combined with the quick response of a tighter leech and instant power/depower of the 2-batten skeleton, certainly give you some new angles and opens your mind to possibilities that didn't exist before. It provides an advantage for fitting into "unmakeable" sections of the wave and leaves you scratching your head, thinking "did I really pull that off?" We are having lots of fun with these at Ho'okipa.

## Artur Szpunar:

Achieving balance and stability in the 2-batten skeleton of the Dualist was made possible by the application of our center-of-effort balanced, FocusPoint<sup>TM</sup> profile shaping method together with the load-stabilizing WARP-PATH<sup>TM</sup> panel layout in the design. This must be the lightest wave sail on the water – a game changer in terms of agility on the wave. Handles smoothly even in the gusts.

#### **DUALIST Specs**

Size	Mast	<b>IMCS</b>	Luff	Boom	Downhaul	Head	Battens
4.2	370	17	377	155	7	Fixed	2
4.6	370	17	389	164	19	Fixed	2
5.1	400	19	412	171	12	Fixed	2





# ALCHEMY

## All-round Wave, Stability & Control

The *S2Maui* Alchemy creates a new legacy as an incredibly smooth, stable and versatile 5-batten wavesail with the greatest top-end wind range. Classic, neutral handling during wave riding combined with outstanding stability and power allow the Alchemy to excel in all high wind wave and bump and jump conditions. Superior upwind ability gets you back to take off points faster, and its perfect balance gives confidence in the air. Covering and exceeding the abilities of traditional power, sideshore and bump and jump sails, the Alchemy provides the magic combination of exceptional control, stability, power and effortless handling, no matter what the conditions.

## **Artur Szpunar:**

Increased use of SpaceLight<sup>TM</sup> further reduces weight and provides a smoother and more responsive feeling. Fine-tuned shaping and a classic 5-batten skeleton yield a very versatile design. Moderately low aspect ratio adds maneuverability and improves acceleration.

## **ALCHEMY Specs**

Size	Mast	<i>IMCS</i>	Luff	Boom	Downhaul	Head	Battens
3.3	340/370	15/17	355	138	16/5	1/20	5
3.7	370	17	369	142	5	6	5
4.2	370	17	385	154	15	Fixed	5
4.7	400	19	405	161	5	Fixed	5
5.0	400	19	409	166	9	Fixed	5
5.3	400	19	419	172	19	Fixed	5
5.7	430	21	436	178	6	Fixed	5
6.2	430	21	448	189	18	Fixed	5





# **JESTER**

## **Ultimate Freestyle**

You asked, and it's finally here. *S2Maui*'s brand new freestyle sail, the Jester. The experience that comes from designing the most sought after "trick wings" for some of the world's top freestylers has led us to the hottest one yet. Built in a no-compromise, ultra-light construction of *SpaceLight*<sup>TM</sup> perimeter and light, crisp monofilm mid-body, with a Dacron luff panel, the Jester leaves no room for excuses. Optimized for the most progressive style, the Jester is designed to bring your trick arsenal to new levels.

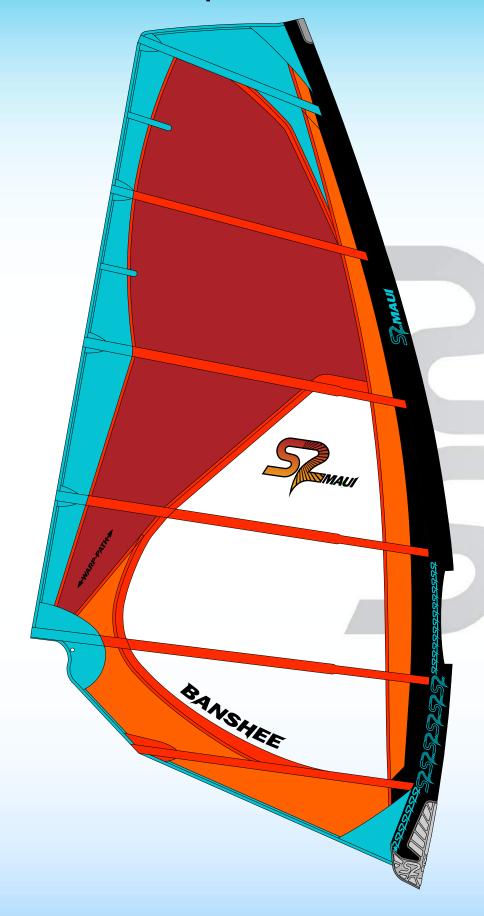
## Artur Szpunar:

A moderate aspect ratio with a nicely tensioned leech provides instant response and exceptionally quick handling. FocusPoint<sup>TM</sup> shaping balances maximum profile with center of effort and dishes out maximum pop. Super-light and quick!

#### JESTER Specs

Size	Mast	<b>IMCS</b>	Luff	Boom	Downhaul	Head	Battens
4.0	370	17	377	148	7	Fixed	4
4.4	370	17	391	155	21	Fixed	4
4.8	400	19	410	160	10	Fixed	4
5.2	400	19	423	167	23	Fixed	4
5.6	430	21	438	174	8	Fixed	4
6.2	430	21	459	189	29	Fixed	5





# BANSHEE

## Leave your friends behind

The Banshee provides speed, power and light weight handling that puts many cambered race sails to shame. This high performance RAF (no-cam) design focuses on slalom/freerace performance in middle and larger sizes, with the smallest sizes transitioning to freeride, each with blistering speed. Superlight weight and progressive leech profile give incredible early planning and instant acceleration. The center of effort is perfectly balanced low and close to the rider for maximum control. *FocusPoint* shaping derived from race development locks in a clean profile for maximum stability. For those who want maximum, no compromise speed and performance but don't want cams.

## **Artur Szpunar:**

Reduced aspect ratio outline and FocusPoint<sup>TM</sup> shaping, modeled after our race sails, adapted to a superlight, 6-batten RAF skeleton gives tremendous horsepower and acceleration. Our exclusive, high-tech load oriented WARPPATH<sup>TM</sup> panel layout featuring SpaceLight<sup>TM</sup> body construction together with race-stable, tube battens reduces weight and locks in profile.

#### **BANSHEE Specs**

Size	Mast	<b>IMCS</b>	Luff	Boom	Downhaul	Head	Battens
5.8	430	21	436	177	6	Fixed	6
6.4	430	21	443	188	13	Fixed	6
7.0	460	25	464	198	4	Fixed	6
7.6	460	25	478	209	18	Fixed	6
8.2	460	25	487	219	27	Fixed	6





# WICKED Wickedly fast

The all new *S2Maui* Wicked 2-cam Freerace sail is a direct descendant of our ultimate performance Venom race sail, but in a more forgiving package. 7 battens which include carbon tubes, make for an incredibly light, stable and efficient freerace sail with blazing speed. *SpaceLight* construction makes the Wicked one of the lightest production Freerace sails available. Slightly softer overall tension and cam pressure ensure effortless rotation and excellent control with a light feel.

## **Artur Szpunar:**

A moderate width sleeve at the 2 cambers locks the profile. Above and below the cambers, the sleeve quickly tapers to a narrower width to reduce water retention and save weight. Progressive leech twist profile modeled after Venom for maximum efficiency, speed and acceleration.

### Wicked Specs

Size	Mast	<b>IMCS</b>	Luff	Boom	Downhaul	Head	Battens	Cams
6.3	430	21	438	191	8	fixed	7	2
7.0	430	21	459	203	29	fixed	7	2
7.6	460	25	476	212	16	fixed	7	2
8.2	460	25	489	225	29	fixed	7	2
9.5	490/520	29/32	527	249	37/7	fixed	7	3



# VENOM

## Relentless!

A legacy of design experience creating the wings that powered many champions to the highest levels. The Venom is the ultimate performance race sail from Artur Szpunar and Barry Spanier. A leap forward in design and materials technology providing incredible acceleration, blistering top speed and incredible light weight. For competitive sailors who need the best and refuse to compromise.

REFINED: Unrivaled design attention yield the magic combination of radical acceleration, power and speed with light and smooth handling

LIGHTER: SpaceLight<sup>TM</sup> laminate combined with progressive weight film vertical panels.

FASTER: Perfectly tuned profile and efficient leech twist progression.

BALANCED and STABLE: New *FocusPoint*<sup>TM</sup> shaping concentrates shaping points where they are most effective at locking profile.

EFFICIENT: Leech and head geometry tuned to eliminate inefficient movement and maintain correct angle of attack through a wide wind range.

RANGE: Increased and forward oriented profile combined with ultra-smooth gust response give perfect control through a huge wind range.

ACCELERATE: Increased lower sleeve width improves aerodynamic profile and combines with tuned tension to convert each gust into maximum horsepower.

SMOOTH: Shaping points, luff curve and sleeve width perfectly balanced for smooth positive rotation.

#### **NEW for 2017**

- New "light tip" upper batten construction with custom fittings designed. Reduces sail weight further in most important areas and quickens leech response. Venom expected to be the lightest production race sail
- New outhaul pulley design
- Luff curve shaping adjusted in larger sizes for improved Cam rotation and extremely efficient and stable foil shape
- Adjusted cam design with longer roller to better balance pressure, improve rotation and reduce mast wear
- Larger sizes refined for optimum balance and efficiency, combining outstanding power and acceleration with light handling and excellent control
- Special attention given to 7.7 for slightly softer feel and more progressive leech release, providing higher speed and control
- Smaller sizes fine-tuned to perfect sleeve fit and cam pressure
- Cross-batten abrasion protector
- Super strong head webbing design eliminates failure
- Lengthened boom cutout zipper for easier boom attachment and cam access
  Improved threading of batten tensioners to eliminate loosening
- Red SpaceLight™ material updated for more vibrant colour and spectacular metallic effect that also provides outstanding UV resistance

#### **VENOM Specs**

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Size	Mast	<i>IMCS</i>	Luff	Boom	Downhaul	Head	Battens	Cams
5.0	400	19	404	172		Fixed	8	4
5.7	400	19	412	183	12	Fixed	8	4
6.3	430	21	434	193		Fixed	8	4
7.0	430	21	459	206	29	Fixed	8	4
7.7	460	25	480	218	20	Fixed	8	4
8.4	460	25	490	232	30	Fixed	8	4
9.3	490	29	517	240	27	Fixed	8	4

# S2MAUI MAST RANGE

S2 Maui's mast range has been built to follow the no-compromise performance philosophy of everything that we do. We have kept the range simple with each mast product incorporating the optimum combination of light weight and strength for its purpose. Kevlar reinforcement in the bottom section of all masts distributes load and provides impact protection, ensuring excellent durability. Our masts are built with a versatile constant curve bend that when combined with 100% carbon prepreg construction gives an incredibly responsive and dynamic feel to the entire rig. In addition to suiting S2 Maui rigs perfectly, our masts are also compatible with many other constant curve brands. Our bend percentages range between 63-65 bottom to 74-76 top depending on model and size.

## **NORTH SHORE**

S2Maui's high performance and high strength, 100% prepreg carbon RDM wave mast is the optimum spar to complement the ultra-light feel of our wave sails. High strength Kevlar reinforced bottom gives you the best of both worlds, a high performance wave mast that is built to handle the abuse of a North Shore winter.

**NORTHSHORE Specs:** SIZE / IMCS 340/15 370/17 400/19 430/21



## **VENOM 100**

Designed for a perfect synthesis with S2Maui's VENOM race sails, the VENOM 100% carbon race spar is light weight and ultra responsive. Kevlar bottom reinforcement protects from point loading associated with boom clamp and cambers. The constant curve character allows for a very progressive leech twist pattern and an ultra efficient rig that dynamically breathes and accelerates with every gust.

VENOM 100 Specs: SIZE / IMCS 400/19 430/21 460/25 490/29



## FREESPEED 75

75% Carbon SDM is perfect for Freeride performance. Light, responsive and durable. Makes the S2Maui BANSHEE and WICKED come to life.

**FREESPEED 75 Specs:** SIZE / IMCS 430/21 460/25





# Be a part of it!



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