



**2025**  
**CHS**  
**CHALLENGER**

# CHS/2025

**AERO**  
XXV

**SLALOM**  
PRINCIPE SPEED LINE

**SLALOM**  
X

2024 was another year full of success for CHS on the PWA, IFCA and in National Championships from Junior to Grand Masters.

Having won the PWA World Champion Slalom Foil title in 2022 we've followed that up with a third in 2023 and second in 2024. Proving beyond doubt that CHS Aero line is the best performing sail range in the world.

The entire Slalom and Speed lines are all handmade personally by Claudio Badiali in Italy and offer a choice of 5 colour ways. Pink/Blue, Pink/Black, Yellow/Black, Red/Black and Yellow/Green. In 2025

**Claudio has one objective - win back the world title!**

*Handcrafted in Italy*

# CHS/2025



<[LeechShield]>

To be effective on the IFCA the Aero Fin 2025 range must cover a wind range from 12 to 45+ knots across a maximum of 4 sails. To achieve this Claudio has developed a tighter leech and more powerful profile in the larger sizes. This gives the low-end power required to get going in light wind conditions but the top end speed and stability when you are on the limit. Our testing has revealed a massive leap forward. As a result, orders are stacking up fast and as each one takes 24 hours to put together be sure to get your order in early for the 2025 season.

**5.0 5.4 5.8 6.2 6.8**

MAST - 370/400    MAST - 370/400    MAST 400/430    MAST - 400/430    MAST - 430  
LUFF - 402    LUFF - 407    LUFF 438    LUFF - 442    LUFF - 460  
BOOM - 167    BOOM - 181    BOOM 190    BOOM - 191    BOOM - 198

**7.0 7.8 8.4 9.0**

MAST - 430    MAST 460    MAST - 490    MAST - 520  
LUFF - 462    LUFF 492    LUFF - 510    LUFF - 556  
BOOM - 197    BOOM 215    BOOM - 228    BOOM - 230

LUFF/BOOM +/- 3CM

*Handcrafted in Italy*

# CHS/2025

# SLALOM X



<[LeechShield]>

The PWA launched SlalomX at Pozo in 2024. This was a great success and brought a new tension to high wind slalom with the jeopardy of the sausage jump. We're the first sail designers to develop a unique range of sails designed specifically for SlalomX but they can also be used at IFCA. The PWA rules only allow a range 3 sails to cover a wind range ranging from 18 to over 40 Knots. This is a real challenge when riders can have a huge weight difference. So the range runs from 7.5m, 6.5m, 5.5m, 5.0m. Lighter riders can start from 6.5m with 85kg+ riders starting at 7.5m. For fans of lighter winds, we have completed the SlalomX line with an 8.4m. Of course you can mix these with Aero Slalom to find the perfect sizing for you.

**5.0**  
MAST 400  
LUFF 402  
BOOM 167

**5.5**  
MAST 400  
LUFF 424  
BOOM 182

**6.5**  
MAST 430  
LUFF 454  
BOOM 196

**7.5**  
MAST 460  
LUFF 484  
BOOM 213

**8.4**  
MAST 490  
LUFF 510  
BOOM 228

*Handcrafted in Italy*

# CHS/2025

# AERO<sup>+</sup> XXV FOIL



<[LeechShyeld]>



Aero foil sail's line is the one that has given us the greatest satisfaction in the last 3 years. World Champions in 2022, third in 2023 and Vice World Champions in 2024 (with different athletes). But we are not resting on our laurels – we want that title back. The requirements for a foil sail are completely different to a slalom one – so it's needs innovation to lead the way. After the S-SHAPE developed for all our sails we've developed the **S-LEECH** specifically for the foil range. The sail's leech has an innovative S-shaped outline. This allows the top of the sail to be less exposed, more stable and to open progressively from batten 2, 3, and 4. The whole leech is more responsive in gusts of wind, working on its own without rider intervention. We've also lowered the second batten from the bottom which lowers the centre of effort, preventing the rider from being lifted in the gusts. The result is a faster more stable sail with less vibration through to the foil.

<b>3.9</b>	<b>4.7</b>	<b>5.4</b>	<b>6.5</b>	<b>7.6</b>	<b>8.3</b>
MAST 370	MAST 400	MAST 430	MAST 460	MAST 490	MAST 520
LUFF 374	LUFF 402	LUFF 442	LUFF 474	LUFF 512	LUFF 536
BOOM 158	BOOM 172	BOOM 178	BOOM 194	BOOM 210	BOOM 214

*Handcrafted in Italy*



# CHS/2025



Pure SPEED Machine



<[LeechShield]>

The PSL has one objective – get down the speed course as fast as you can. It's easy to rig, super-fast, incredibly stable and comfortable to use. Whether you're chasing your personal best at your home spot or the nautical mile world record at La Palme this range has the potential if you have the nerve. Each size is individually designed and developed. The 4.7m, 5.2m and 5.6m are designed for strongest winds, with a softer feeling through the rdm mast, the 6.0m is more steady utilising the stiffer feel from the sdm mast, the 6.7m is an allrounder with a huge range from 20 to 35kts, the 7.4m is designed for bigger speed boards or small slalom boards and the 8m for more marginal conditions. Handcrafted in Italy to the colour of your choice. You can see them live at the Speed World Championship POS-ISWC in La Palme and at Weymouth Speed Week.

<b>4.7</b>	<b>5.2</b>	<b>5.6</b>	<b>6.0</b>	<b>6.7</b>	<b>7.4</b>	<b>8.0</b>
MAST TBD	MAST TBD	MAST TBD	MAST TBD	MAST TBD	MAST TBD	MAST TBD
LUFF TBD	LUFF TBD	LUFF TBD	LUFF TBD	LUFF TBD	LUFF TBD	LUFF TBD
BOOM TBD	BOOM TBD	BOOM TBD	BOOM TBD	BOOM TBD	BOOM TBD	BOOM TBD

LUFF/BOOM +/- 3CM

*Handcrafted in Italy*

# CHS/2025

**FLUIDO**  
**T3**  
3 Camber  
Free RACER



We've worked hard on the FLUIDO T3 2025.

It's many peoples favourite slalom sail and is also registered for PWA 2025 – so it's fast!  
For 2025 we've reduced the weight of the mast sleeve, which has also improved rotation,  
so it just pops round at every gybe with minimal effort.

It's an incredibly stable sail that enables you to hold it down even when overpowered.

Designed specifically for lighter sailors it has a uniquely light feeling in the hands,  
but still has the acceleration and feeling of unlimited speed.

The new colour scheme really makes these stand out from the crowd.

**5.4 6.2 7.0 7.8 8.5 9.2**

<b>MAST - 400</b>	<b>MAST - 430</b>	<b>MAST - 430</b>	<b>MAST - 460</b>	<b>MAST - 460/490</b>	<b>MAST - 490</b>
<b>LUFF - 406</b>	<b>LUFF - 442</b>	<b>LUFF - 456</b>	<b>LUFF - 474</b>	<b>LUFF - 498</b>	<b>LUFF - 512</b>
<b>BOOM - 177</b>	<b>BOOM - 189</b>	<b>BOOM - 194</b>	<b>BOOM - 213</b>	<b>BOOM - 230</b>	<b>BOOM - 241</b>

LUFF/BOOM +/- 3CM

# CHS/2025

# FORCE ONE

Foil  
Slalom



The ForceOne is designed for people who love to go fast on their foils. It's less 'extreme' than the Aero Foil and lighter. But don't be fooled this is no 'freefoil' sail. It's been up there in many races this year including the One Hour Classic at Garda. Powerful, stable, immediate acceleration with fast, easy rotation you'll be first out of the gybe and sailing away into the distance. It's versatile too, some of the Team have used this as a slalom sail. The new design looks beautiful on the water.

## 5.0

MAST : 400  
LUFF : 404  
BOOM : 179

## 6.0

MAST : 430  
LUFF : 444  
BOOM : 192

## 7.0

MAST : 460  
LUFF : 476  
BOOM : 210

## 8.0

MAST : 460/490  
LUFF : 498  
BOOM : 222

LUFF/BOOM +/- 3CM



# CHS/2025

# BAD<sup>2</sup>



Bad2 has been in production for 3 years now and each year we've improved it.

We believe it's the best 2 cam sail on the market. Very light and stable with power when you need it. It's narrow luff tube and twin cams make it a freeride sail anyone can enjoy.

In the gybe you could easily forget you're on a sail with cams – it just pops around.

It's great on a fin or a foil with sizes from 8.4 to 6.3 you can get going in 8 knots or hold it down in 35 knots.

A favourite cruising sail for many of our Team.

## 6.3

MAST - 430  
LUFF - 449  
BOOM - 190 ½

## 7.0

MAST - 430/460  
LUFF - 467  
BOOM - 199 ½

## 7.7

MAST - 460  
LUFF - 480  
BOOM - 210 ½

## 8.4

MAST - 460/490  
LUFF - 500  
BOOM - 217 ½

LUFF/BOOM +/- 3CM

# CHS/2025

# BADZERO



The Badzero is a remarkable sail.

It's designed to meet the needs of freefoilers or just those who want to give foiling a go.

A very light, stable and powerful sail. Designed to complement the Liquido range the large adjustment range of downhaul and outhaul also allows it to be used in a huge range of conditions on the fin or foil. The smaller sizes have one less batten to further reduce the weight but still maintain the control and perfect twist. The performance will blow your mind.

The new coloured scheme is a touch of class.

## 4.6

MAST - 370  
LUFF - 394  
LUFF - 397  
BOOM - 162<sup>1</sup>/<sub>2</sub>

## 5.2

MAST - 400  
LUFF - 416  
LUFF - 419  
BOOM - 170<sup>1</sup>/<sub>2</sub>

## 5.8

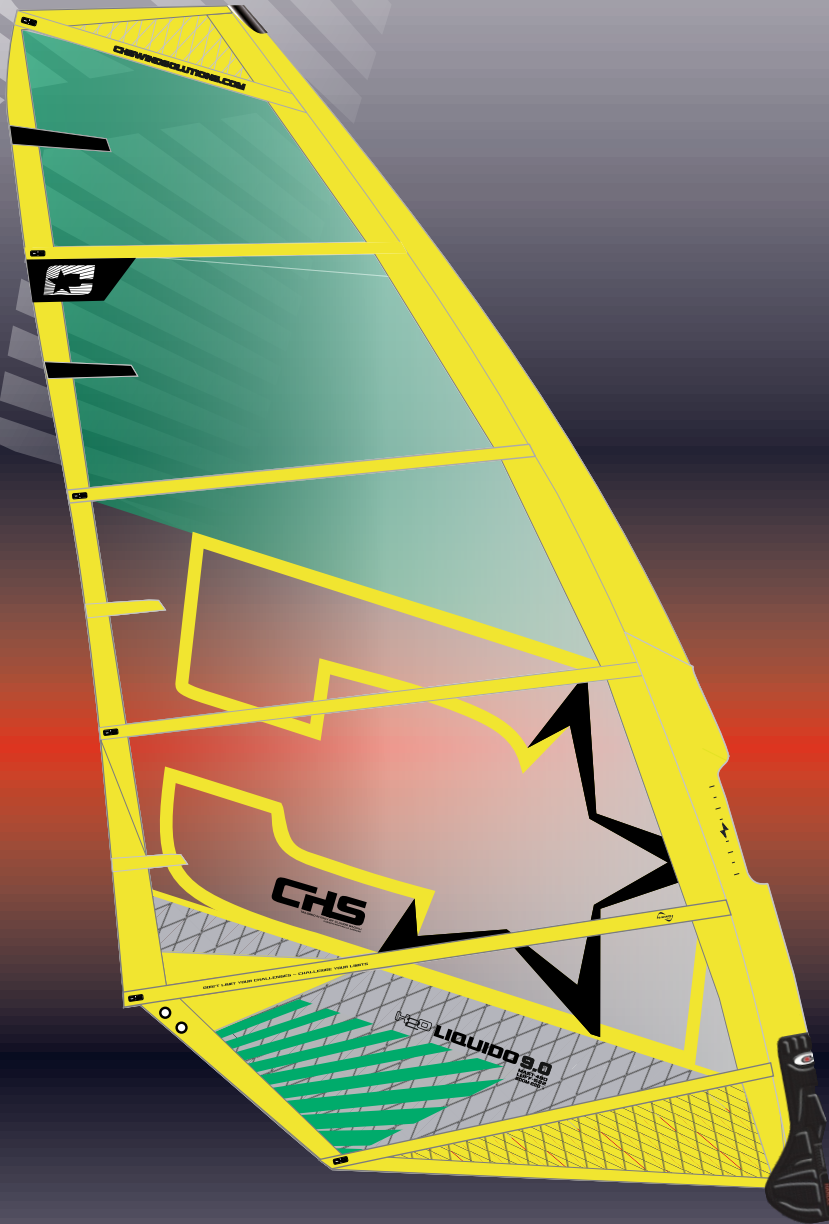
MAST - 430  
LUFF - 438  
LUFF - 441  
BOOM - 180<sup>1</sup>/<sub>2</sub>

LUFF/BOOM +/- 3CM

# CHS/2025

# H2O LIQUIDO

Freeride  
Performer



Power, control and a light feeling in the hands are the key features of this sail. Each year we've improved this sail and this no cam freeride sail is many customers' favourite.

With great performance and stability it allows all sailors to push their limits.

A simple concept that let's you get going early and stay in control when the wind picks up.

The new colour scheme also lets you stand out from the crowd.

## 6.3 6.9 7.5 8.2 9.0

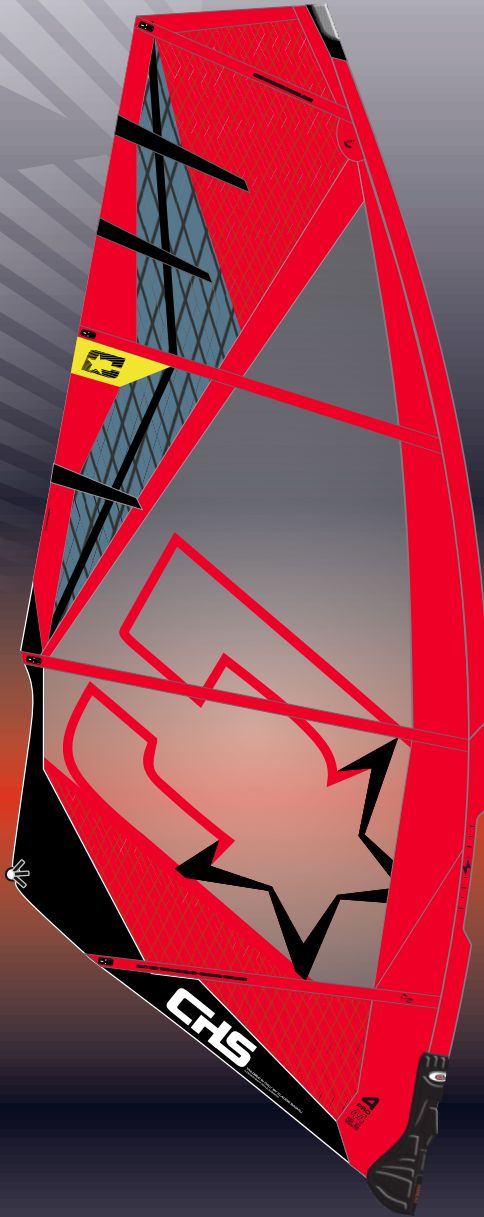
MAST-430	MAST-430/460	MAST-460	MAST-460/490	MAST-490
LUFF-448	LUFF-460	LUFF-481	LUFF-492	LUFF-522
BOOM-187 ½	BOOM-193 ½	BOOM-205 ½	BOOM-210 ½	BOOM-220 ½

LUFF/BOOM +/- 3CM

# CHS/2025

# 4 PRO

Pure Styler



<[LeachShield]>



This maybe is the sail range we have worked on the most. Freestyle, with its spectacular manoeuvres done at incredible speeds, is changing the way contests are evaluated but also the demands on the sail. We've designed and developed 4Pro to win in this ever-evolving discipline. Powerful to get you going early but stable when the wind picks up yet able to dump the power when required. It's also a great wave sail with incredible wind range and a great new look for 2024.

## 36

MAST 370  
LUFF 376  
BOOM 145

## 40

MAST 370  
LUFF 384  
BOOM 147

## 44

MAST 370  
LUFF 398  
BOOM 150

## 48

MAST 400  
LUFF 408  
BOOM 155

## 52

MAST 400.430  
LUFF 435  
BOOM 160

## 56

MAST 400.430  
LUFF 444  
BOOM 166

LUFF/BOOM +/- 3CM

# CHS/2025

# 3G

The Original  
3 Batten  
Wave Sail



**ON/OFF**  
SELF ADJUST PROFILE



<[LeachShield]>



The lightest and most manoeuvrable wave sail in our range. Every lightweight wave riders should try this sail. With a lower clew and the centre of effort in between your hands it makes this sail easy to use.

It's remarkably stable and always feels under control. With more, or less downhaul the sail has a remarkable wind range. From a concept in 2012 this sail has evolved into one of our most popular sails – once you've tried the 3G you won't go back.

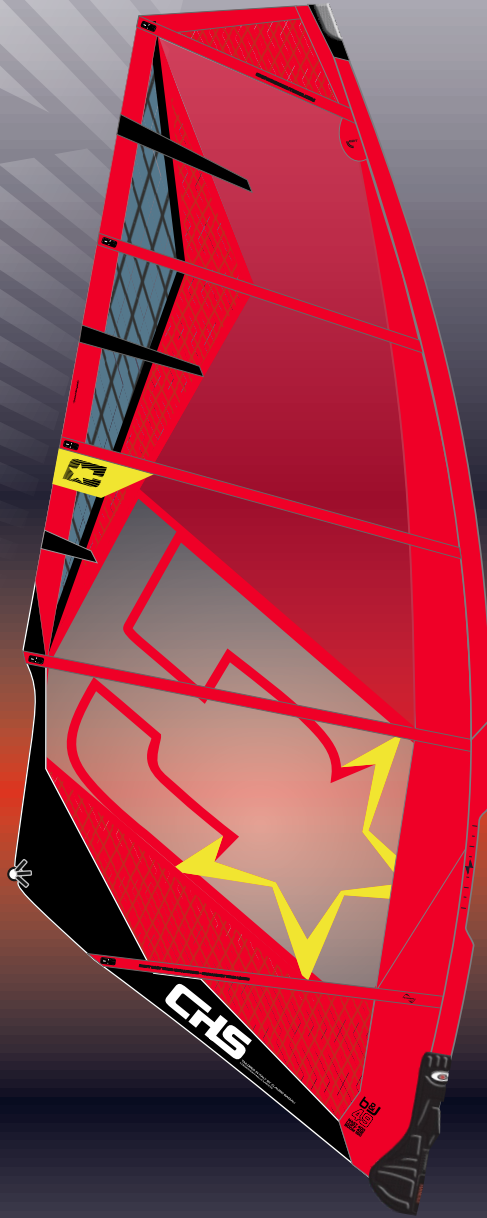
## 40 45 50 55

MAST 340	MAST 370	MAST 400	MAST 400.430
LUFF 367	LUFF 392	LUFF 410	LUFF 430
BOOM 148	BOOM 158	BOOM 166	BOOM 174

LUFF/BOOM +/- 3CM

# CHS/2025

# b&j



<[LeachShield]>



*The 4.9 Bump & Jump – The only sail you need!*  
The design brief was for one sail to cover the majority of bump & jump conditions - 15 to 35 knots. Testing by the Team over the last few months has confirmed the challenging brief has been met. The ultra-light 5 batten sail can be trimmed to meet all condition by varying the downhaul and outhaul – Freestyle, freewave, freemove – it does them all. You can have a powerful 5.3 or a manoeuvrable and stable 4.5 wave sail with a just a couple of quick adjustments. The one sail quiver has finally arrived!

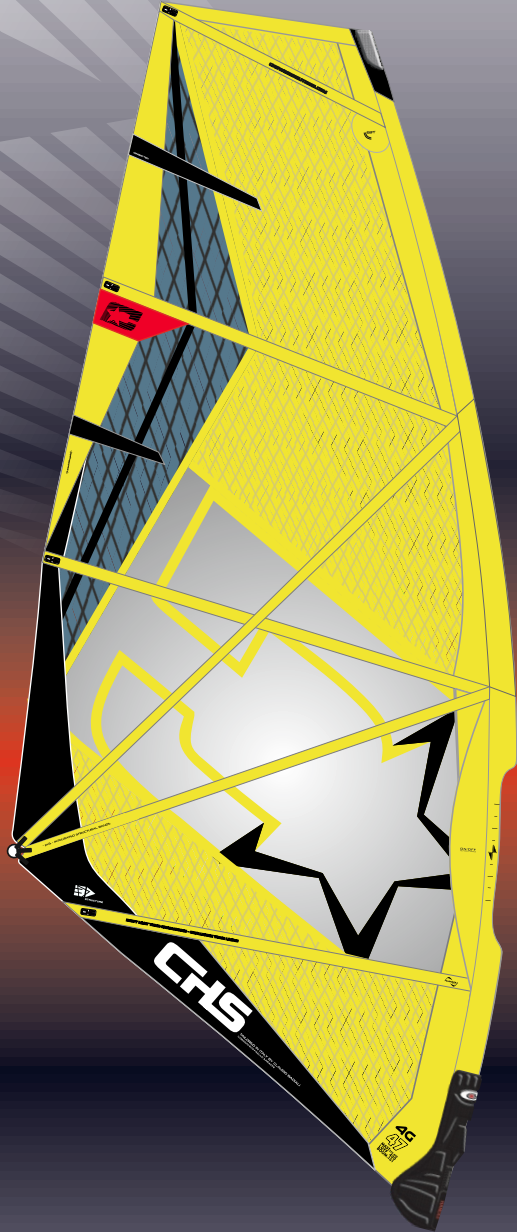
**b&j**  
**49**  
MAST 400  
LUFF 414/418  
BOOM 158/162



# CHS/2025

# 4G

Pure Wave



**ON/OFF**  
SELF ADJUST PROFILE



<[LeechShield]>



The sail that Alex Mussolini defined as "perfect" has been improved with his help for 2024. As many know Alex has retired from professional windsurfing but he still wanted to ensure his signature sail continued to evolve.

A light and stable 4 batten wave sail with power when you need it. It makes even the most difficult of manoeuvres easy. When you've won the Aloha you know what makes a fantastic wave sail and that's what the 4G is.

## 32

MAST 340  
LUFF 352  
BOOM 143

## 36

MAST 340  
LUFF 360  
BOOM 145

## 40

MAST<sup>340,370</sup>  
LUFF 371  
BOOM 149

## 42

MAST 370  
LUFF 379  
BOOM 153

## 45

MAST 370  
LUFF 392  
BOOM 158

## 47

MAST<sup>370,400</sup>  
LUFF 400  
BOOM 161

## 50

MAST 400  
LUFF 409  
BOOM 166

## 53

MAST 400  
LUFF 415  
BOOM 171

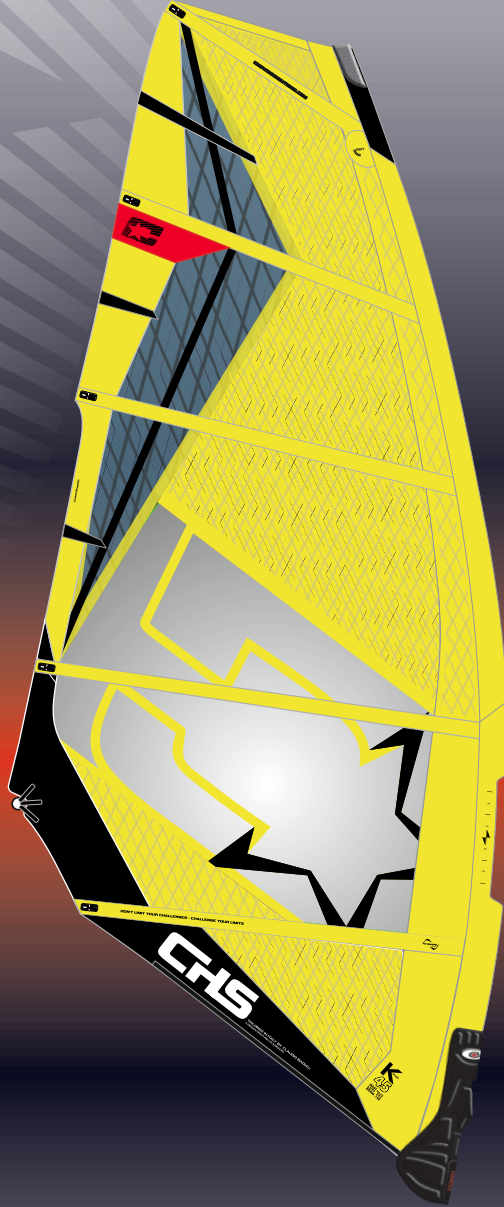
## 58

MAST 430  
LUFF 435  
BOOM 178

LUFF/BOOM +/- 3CM

# CHS/2025

**K**<sub>ONDA</sub>  
Power Wave



**EBT**

**S-SHAPE**  
profile

<[LeechShield]>

The Konda continues to evolve.  
Excellent Wave Sail, new outline, shorter bottom batten, lower clew especially in the bigger sizes. Lower center of effort. Advanced outline and shape combined with the pre-existing features. Like Power and Acceleration and Profile Stability.  
Excellent for Jumps and waves and supercool in freewave

**36**

MAST 340  
LUFF 356  
BOOM 143

**40**

MAST 370.340  
LUFF 369  
BOOM 148

**42**

MAST 370  
LUFF 382  
BOOM 152

**45**

MAST 370  
LUFF 388  
BOOM 158

**47**

MAST 400  
LUFF 401  
BOOM 162

**50**

MAST 400  
LUFF 409  
BOOM 168

**53**

MAST 400  
LUFF 420  
BOOM 173

**58**

MAST 430  
LUFF 433  
BOOM 180

**63**

MAST 430  
LUFF 451  
BOOM 187

**69**

MAST 430.460  
LUFF 468  
BOOM 193

LUFF/BOOM +/- 3CM

# CHS/2025

FOR KIDS



ON/OFF  
SELF ADJUST PROFILE



<[LeachShyeld]>

If you want the best sail for your kids look no further. We describe it as a professional grommets sail. It's perfectly balanced with great stability, from learning to wave sailing it's capable of it all. Specifically developed for kids the boom cut out and the clew are lower and designed specifically for kids. This allows them to perform wave riding manoeuvres because everything is to scale for their smaller size. The biggest compliment is when we see these sails sold on to a younger generation when the kids grow up. They are built to last.

**1.9**  
MAST - 280/300  
LUFF - 285  
BOOM - 121

**2.5**  
MAST - 300  
LUFF - 300  
BOOM - 129

**3.1**  
MAST - 300/340  
LUFF - 318  
BOOM - 137

**3.8**  
MAST - 340  
LUFF - 345  
BOOM - 148

**4.4**  
MAST - 340  
LUFF - 369  
BOOM - 160

LUFF/BOOM +/- 3CM