

## Neil Pryde Racing

Over the past 30 years Neil Pryde have built a reputation as the most winning brand in the sport of windsurfing, and nowhere is this more clearly demonstrated than in racing. Neil Pryde rigs have dominated racing for the past 15 years, including a record-breaking run of twelve consecutive World Titles and countless National titles around the world.

The past few seasons have seen a dramatic shift from the traditional World Cup racing circuit across to Formula Championships. With this change in format has also come a dramatic development in equipment. Neil Pryde have kept with this change and our rigs have remained the dominant force in this new racing scene.

The Neil Pryde Sail Design Programme, headed by Robert Stroj, has worked closely with leading racers such as Euro Cup Winner 2001 Wojtek Brzozowski, French Champion Antoine Albeau and Women's Formula World Champion Dorota Staszewska, to develop a steady stream of world beating products, centered around the successful RS Racing sail platform.

The current RS Racing is probably the most highly developed racing sail ever offered by Neil Pryde, having been tested in competition throughout the whole 2001 international racing season. This has included a complete domination of both the Men's and Women's European Formula Championships and the Pan American Championships.

The RS represents the cutting edge of Neil Pryde's product design programme, and the true embodiment of our traditional company ideas – a world-class product with a perfect balance of high performance and elegant engineering. As Mr Pryde himself is often heard to say "There's really only one reason to get involved in the racing side of the sport and that's to win". And that little phrase clearly defines our whole approach to the RS project.

## Ongoing R&D – Cutting Edge Product

Within formula racing we have seen an explosion of product development, with rigs and boards undergoing dramatic changes in shape within a single season. What is clear is that development work is never over. A sail is never finished; it's always a work in progress.

For this reason we have restructured our sail development programme in order that we can offer updated versions of the RS Racing sails throughout the racing season.

Registered Neil Pryde racers can now log onto our website and receive R&D updates from Maui. If part way through the season we feel we have made a significant performance improvement in the RS prototypes, we will post the information on our website and make production versions of the new sails available for immediate order.

Racers can also browse the site for rigging and tuning tips direct from the design team and from the racing front lines.



## Technical Specifications

- **Kevlar Frame**

Maximum reinforcement is provided by this super light and durable frame.

- **Composite Integrated Leech Battens**

Sewn directly onto the sail surface, these aerodynamic leech battens stabilize the trailing edge of the sail reducing drag.

- **Chain Lock Patch Construction**

Provides the same amount of support and force distribution as larger patches, but a new construction method makes the patch lighter and more durable.

- **Unidirectional Carbon Tubes**

Provide stability to the critical mid-body section of the Formula racing sizes. They are 80% stiffer, compared to the conventional glass tubes, while being 35% lighter.

- **Cam Support Plates**

New moulded cam plates ensure direct batten to cam interaction, which is vital for optimum leading edge stability.

- **Cam Pressure Adjustment System**

Gives racers the ability to customise pressure of the cams onto the mast allowing a very high level of fine-tuning.

- **Batten Tube Tension Adjusters**

The new tension adjusters are lightweight and offer the user a longer adjustment range necessary on large sails with long batten-pocket lengths.

- **Flex Tip Batten Construction**

A light, stiff tube supports the head roach and combined with the very flexible tip rod, makes the sail tip flexible and very responsive to the wind.



## Formula Racing Boom

The new, specialized Formula carbon boom (X7 225 and X7 260), a 100% performance oriented product. Sporting a unique design the carbon booms utilizes one piece body moulding to eliminate the connections of the arms to the head - improving stiffness and reducing the weight.

The boom outline is further optimised for the larger racing sails by considerably increasing the width of the tail section - critical for having enough space for the sail profile when sailing downwind.

Oversized tube diameters in the back section of the body and in the adjustable tail provide the sail with maximum stiffness, critical for the larger sized booms, while a new double-pin adjustment system offers an extremely tight, movement-free position lock which enhances torsion stiffness.

## Formula Pro Mast

Throughout last season, our Formula racers were demanding increasingly larger sails in order to boost their performance. Our largest RS sails now top-out at 12.5 metres. This in turn, resulted in demands for longer masts - all of which need to withstand increasingly greater compression loads.

The Formula Pro has been developed using state of the art carbon engineering and has been designed exclusively for use with the large sizes of the RS Racing sail (9.8 - 12.5\*). Made from 100% carbon, the Formula Pro is the highest performance racing mast available from Neil Pryde as well as being the only reduced diameter racing mast in the world.

What does this mean? Using extremely high quality carbon, we can reduce the inner wall thickness of the mast and therefore it's diameter, reducing weight and increasing reflex speed. This creates a rig that is much more responsive to the wind, improving the overall performance of the sail by reducing drag and increasing the sail's speed.

Size	Weight (kg)	Luff +/-1cm	Boom +/-1cm	Battens	Cams	Base	Recommended Masts
5.0	TBA	TBA	TBA	7	4	TBA	X7 (430)
5.4	TBA	TBA	TBA	7	4	TBA	X7 (430)
5.8	TBA	TBA	TBA	7	4	TBA	X7 (430)
6.2	TBA	TBA	TBA	7	4	TBA	X7 (430)
6.6	TBA	TBA	TBA	7	4	TBA	X7 (460)
7.3	TBA	TBA	TBA	7	4	TBA	X7 (460)
8.2	TBA	TBA	TBA	8	5	TBA	X7 (490)
9.0	TBA	TBA	TBA	8	5	TBA	X7 (490)
9.8	TBA	TBA	TBA	8	5	TBA	Formula Pro (530)
11.0	TBA	TBA	TBA	8	5	TBA	Formula Pro (530)
12.5	TBA	TBA	TBA	8	5	TBA	Formula Pro (580)





8 BATTENS  
(RACE)



7 BATTENS  
(SLALOM)



MINI LEECH  
BATTEN



KEVLAR SP LEECH  
CONSTRUCTION



FLEXHEAD



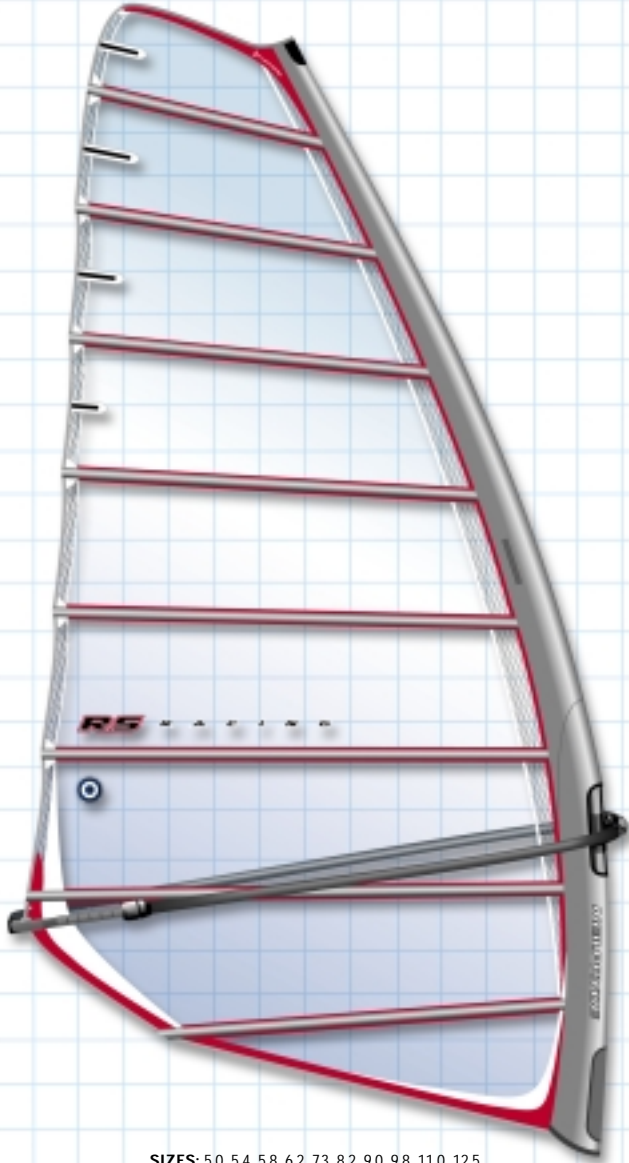
FOOT TENSION  
STRAP



RACELITE LUFF  
MATERIAL



TRIPLE ROLLER  
TACK FITTING



SIZES: 5.0, 5.4, 5.8, 6.2, 7.3, 8.2, 9.0, 9.8, 11.0, 12.5



CARBON BOOM - X7 225 & 260



X7 CARBON XT



X7 CARBON UXT



RACE BASE



RACE U-BASE



FORMULA PRO MAST - RECOMMENDED FOR 9.8 - 12.5



X7 MAST - RECOMMENDED FOR 5.0 - 9.0

COLOUR OPTIONS



#1 GRAY / RED