NEIL PRYDE 2003 RACING SAIL - RS3

RS3 The evolution of the Neil Pryde RS Racing sail continues with the new RS3, taking the very successful RS Racing design several steps further.

Obviously, the Number 1 aim is always to make the sail faster around the Racecourse. As a result, the Neil Pryde Design Centre & some of the World's Leading Racers: Antoine Albeau & Wojtek Brzozowski; have been working together on all facets of the performance of the race sail: upwind, downwind & reaching performance.

To achieve success, in these sometimes opposing performance parameters, all aspects of the sail have been designed so that they work cohesively and in unison to optimize performance:

Lightweight – 3 Piece Batten System

Significant savings in weight have been made on the RS3 Formula Sizes (sizes 9.0 & larger), with the use of the new "3 piece batten system". This new batten construction feature involves building the batten out of 3 separate parts: a standard size tube in the tail, a reduced diameter tube in the middle, and a very short rod section at the front:

- This allows the sail to incorporate more tube and less rod batten, which makes the sail much lighter.
- The transition in batten thickness, from a thin front-end to thick back-end, is much more gradual with this new system.
- Putting these two together, you have a much more stable and responsive foil through a much smoother definition of the bendcurve in the battens.

Combining this "3 piece batten system" with Neil Pryde's Chain Lock Patch Construction, Tube Specific Batten Tensioners & Carbon Tubes in the battens; you have a sail with a much lighter feel allowing you to expend less energy on sailing, and more energy on winning the race.

Stability – Double Luff Panel

The Luff Panels, located on the leading edge of the sail, are the most critical areas for shaping, and are subject to the highest loads. The RS3, introduces a new "Double Luff Panel" of X-Ply in this area, to more precisely control the shape of this critical section.

- Using two different luff panels, in decreasing thickness towards the trailing edge of the sail, give a much greater degree of precision & control in production and manufacture.
- The luff panels are continuous vertical panels, which run throughout the length of the sail. As a result, the critical shaping runs vertically through a continuous panel, as opposed to crossing many horizontal seams, which allows for a much greater control of the shaping in the sail.
- Finally, as the load is spread over two different luff panels, the pressure on the material is reduced and the life time of the shape of the sail is substantially increased.

In a nutshell, the new Double Luff Panel allows us to precisely lock in the draft giving the RS3 a much more stable & responsive platform.

NEIL PRYDE 2003 RACING SAIL - RS3

Durability – Frame Concept

In order to increase durability of the lightweight RS3, the Frame concept is also applied so those key areas of reinforcement on the racing sail, also give the sail a distinctive silhouette on the water. The clew, luff & foot panels all have added X-Ply to increase the durability of the sail during both racing & rigging.

Shaping

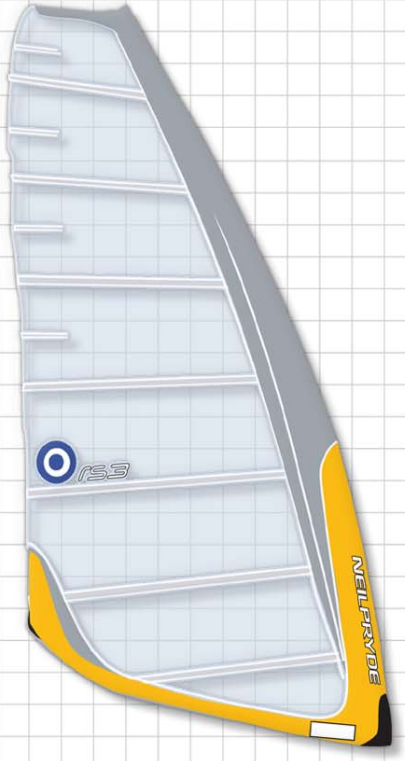
Finally, in the more subtle sense, the luff curve of the RS3 has been refined and shaped to allow all these components to work together harmoniously. The shaping of the body, twist, and draft combine to give the RS3:

- Better pointing angles
- More control
- More acceleration
- Greater stability

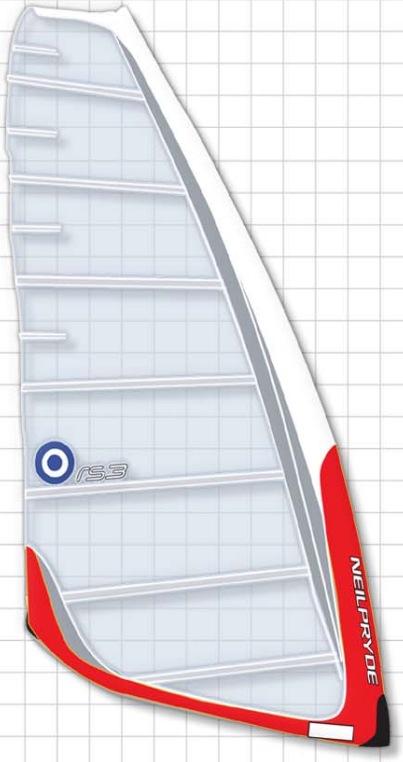
All of this has been achieved in a sail that is lighter, easier to control, and ultimately more stable in the hands – A sail that is a Winner on the Racecourse.

NEILPRYDE SAIL RANGE 2003 RACING SAIL

RS3



C1: Orange/Silver



C2: Red/White

C3: Silver/Blue

- **7-8 Batten Race Configuration**
- **Component Luffpocket Construction**
- **Neil Pryde Component Batten System**
- **Flexhead Configuration**
- **Tube Specific Batten Tension Adjustment System**
- **Supercams II**
- **Cam Pressure Adjustment System**
- **Carbon Tube Battens**

Product		Code	Weight	Max. Luff	Max. Boom	Battens	Cam	Base	Recomended Mast
NP '03 RS3	**5.0**	BNP3RS3050	TBA	TBA	TBA	7	4	TBA	NP Matrix X9 Wave 400
NP '03 RS3	**5.4**	BNP3RS3054	TBA	TBA	TBA	7	4	TBA	NP Matrix X9 Wave 400
NP '03 RS3	**5.8**	BNP3RS3058	TBA	TBA	TBA	7	4	TBA	NP Matrix X9 430
NP '03 RS3	**6.2**	BNP3RS3062	TBA	TBA	TBA	7	4	TBA	NP Matrix X9 430
NP '03 RS3	**6.7**	BNP3RS3067	TBA	TBA	TBA	7	4	TBA	NP Matrix X9 460
NP '03 RS3	**7.5**	BNP3RS3075	TBA	TBA	TBA	7	4	TBA	NP Matrix X9 460
NP '03 RS3	**9.0**	BNP3RS3090	TBA	TBA	TBA	8	5	TBA	NP Matrix X9 490
NP '03 RS3	**9.8**	BNP3RS3098	TBA	TBA	TBA	8	5	TBA	NP Matrix X9 530
NP '03 RS3	**11.0**	BNP3RS3110	TBA	TBA	TBA	8	5	TBA	NP Matrix X9 530
NP '03 RS3	**12.5**	BNP3RS3125	TBA	TBA	TBA	8	5	TBA	NP Matrix X9 580