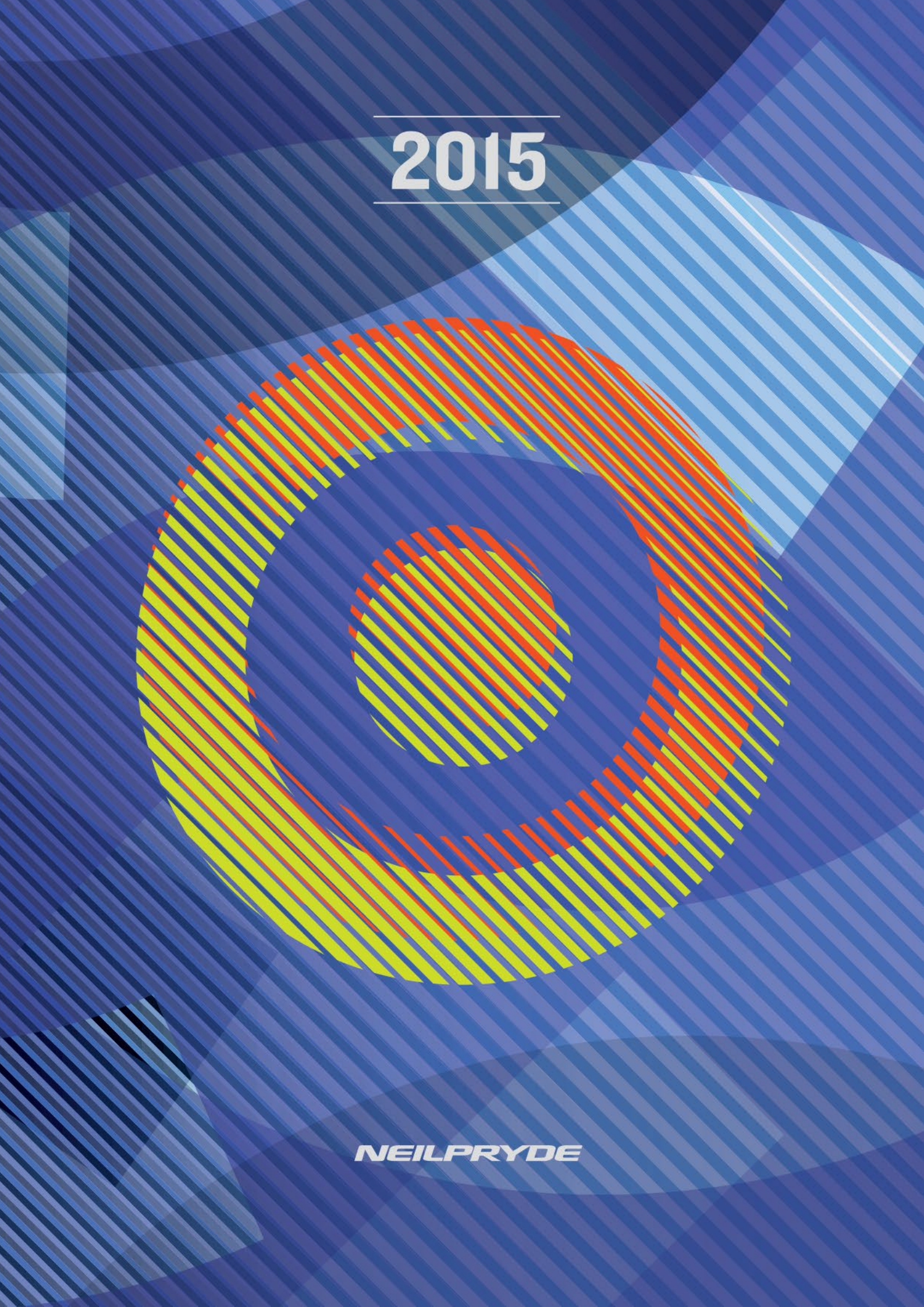
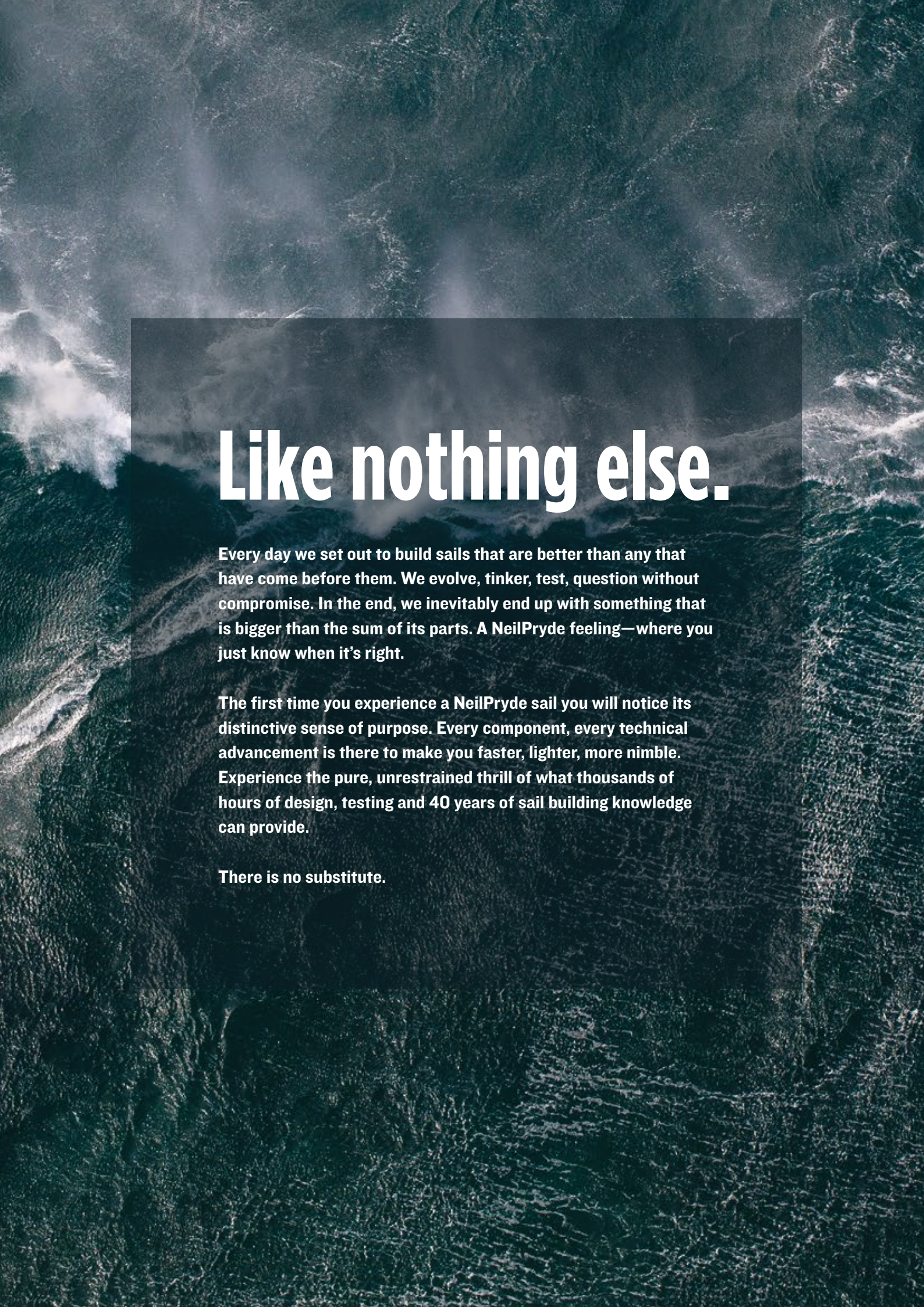
2015



NEILPRYDE



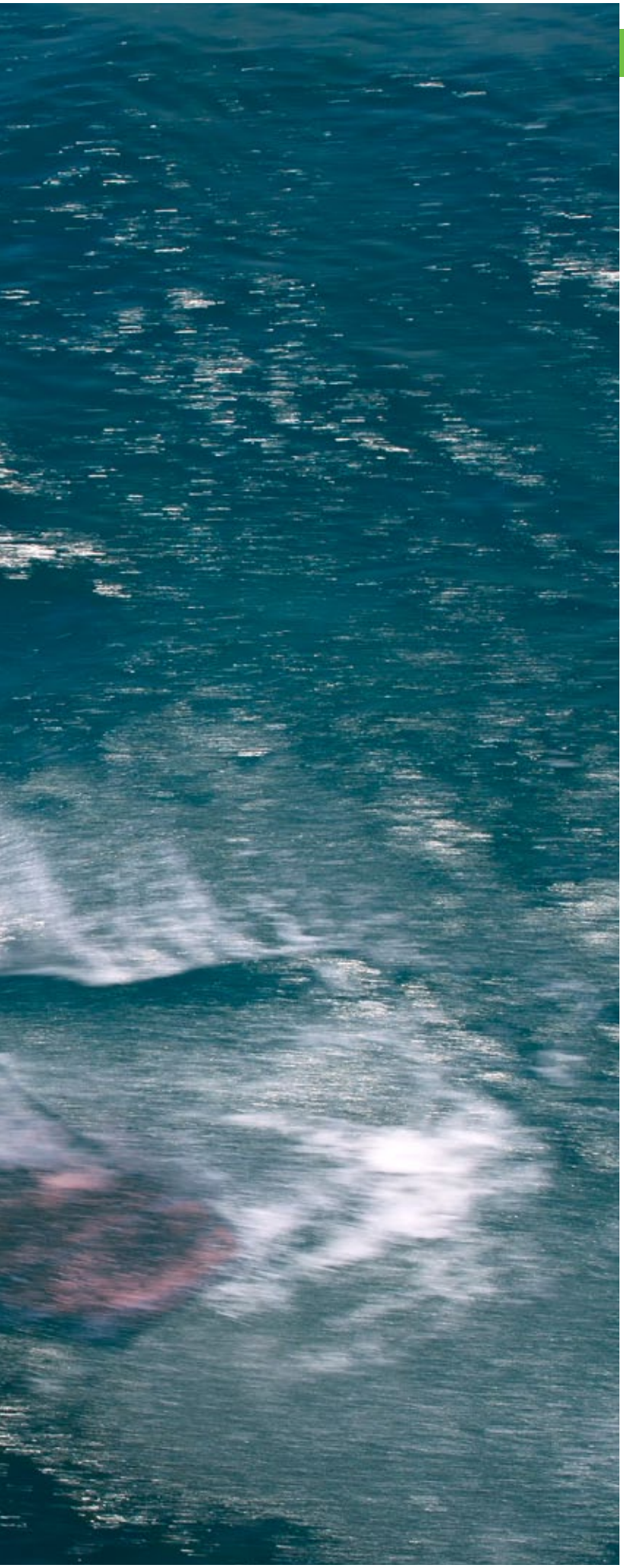
Like nothing else.

Every day we set out to build sails that are better than any that have come before them. We evolve, tinker, test, question without compromise. In the end, we inevitably end up with something that is bigger than the sum of its parts. A NeilPryde feeling—where you just know when it's right.

The first time you experience a NeilPryde sail you will notice its distinctive sense of purpose. Every component, every technical advancement is there to make you faster, lighter, more nimble. Experience the pure, unrestrained thrill of what thousands of hours of design, testing and 40 years of sail building knowledge can provide.

There is no substitute.

Jason Polakow



Contents

Photography by Jérôme Houyvet

2015 Sail Collection

THEFLY

Down-The-Line Wave

C1

Size	Luff	Boom	Base	Battens	Cams	Ideal Mast	Top Finishing	Code
3.2	344	137	4	3	0	340/370	Vario Top	BNP15FL00032
3.6	356	144	16	3	0	340/370	Vario Top	BNP15FL00036
3.9	368	149	28	3	0	340/370	Vario Top	BNP15FL00039
4.2	376	154	6	3	0	370	Fixed Head	BNP15FL00042
4.5	388	159	18	3	0	370	Fixed Head	BNP15FL00045
4.8	400	164	30	3	0	370	Fixed Head	BNP15FL00048
5.1	414	169	14	3	0	400	Fixed Head	BNP15FL00051
5.4	429	173	30	3	0	400	Fixed Head	BNP15FL00054

COMBAT

All Round Wave

C1 C2 (HD)

Size	Luff	Boom	Base	Battens	Cams	Ideal Mast	Top Finishing	Code	Code (HD)
3.7	364	144	24	4	0	340/370	Vario Top	BNP15CT00037	BNP15CTH00037
4.0	374	148	4/34	4	0	370/340	Vario Top	BNP15CT00040	BNP15CTH00040
4.2	381	152	12	4	0	370	Fixed Head	BNP15CT00042	BNP15CTH00042
4.5	391	156	22	4	0	370	Fixed Head	BNP15CT00045	BNP15CTH00045
4.7	401	160	32/2	4	0	370/400	Fixed Head	BNP15CT00047	BNP15CTH00047
5.0	413	164	14	4	0	400	Fixed Head	BNP15CT00050	BNP15CTH00050
5.3	425	170	26	5	0	400	Fixed Head	BNP15CT00053	BNP15CTH00053
5.6	433	176	34/4	5	0	400/430	Fixed Head	BNP15CT00056	BNP15CTH00056

ATLAS

Powerwave

C2 C3

Size	Luff	Boom	Base	Battens	Cams	Ideal Mast	Top Finishing	Code
4.0	371	152	2/32	5	0	370/340	Vario Top	BNP15AT00040
4.2	378	156	8	5	0	370	Fixed Head	BNP15AT00042
4.5	388	160	18	5	0	370	Fixed Head	BNP15AT00045
4.7	398	165	28	5	0	370	Fixed Head	BNP15AT00047
5.0	411	170	12	5	0	400	Fixed Head	BNP15AT00050
5.4	425	175	26	5	0	400	Fixed Head	BNP15AT00054
5.8	440	181	10	5	0	430	Fixed Head	BNP15AT00058
6.2	454	187	24	5	0	430	Fixed Head	BNP15AT00062

WIZARD

Freestyle

C1

Size	Luff	Boom	Base	Battens	Cams	Ideal Mast	Top Finishing	Code
3.8	370	146	30	4	0	340/370	Vario Top	BNP15WI00038
4.2	384	150	14	4	0	370	Vario Top	BNP15WI00042
4.5	398	155	28	4	0	370	Vario Top	BNP15WI00045
4.8	409	160	10	4	0	400	Fixed Head	BNP15WI00048
5.1	424	165	24	4	0	400	Fixed Head	BNP15WI00051
5.4	438	170	8	4	0	430	Fixed Head	BNP15WI00054
5.7	448	174	18	4	0	430	Fixed Head	BNP15WI00057
6.1	458	179	28	5	0	430	Fixed Head	BNP15WI00061
6.5	469	185	10/40	5	0	460/430	Fixed Head	BNP15WI00065

FUSION

Crossover

C2 (HD) C3

Size	Luff	Boom	Base	Battens	Cams	Ideal Mast	Top Finishing	Code (HD)	Code
4.5	407	153	8/2	5	0	400/430	Vario Top	BNP15FH00045	BNP15F00045
5.0	421	167	22/2	5	0	400/430	Vario Top	BNP15FH00050	BNP15F00050
5.5	431	181	2	5	0	430	Fixed Head	BNP15FH00055	BNP15F00055
6.0	440	195	10	5	0	430	Fixed Head	BNP15FH00060	BNP15F00060
6.5	458	203	28	5	0	430	Fixed Head	BNP15FH00065	BNP15F00065

RYDE

Freeride

C2 (HD) C4

Size	Luff	Boom	Base	Battens	Cams	Ideal Mast	Top Finishing	Code (HD)	Code
5.5	416	178	16/2	6	0	400/430	Vario Top	BNP15RYH00055	BNP15RY00055
6.0	432	184	2/32	6	0	430/400	Fixed Head	BNP15RYH00060	BNP15RY00060
6.5	452	190	22	6	0	430	Fixed Head	BNP15RYH00065	BNP15RY00065
7.0	464	199	34/4	6	0	430/460	Fixed Head	BNP15RYH00070	BNP15RY00070
7.5	476	208	16/46	6	0	460/430	Fixed Head	BNP15RYH00075	BNP15RY00075

HELLCAT

No-Cam Performance Freeride

C5

Size	Luff	Boom	Base	Battens	Cams	Ideal Mast	Top Finishing	Code
5.7	413	189	14	7	0	400	Fixed Head	BNP15HC00057
6.2	432	195	2/32	7	0	430/400	Fixed Head	BNP15HC00062
6.7	451	201	22	7	0	430	Fixed Head	BNP15HC00067
7.2	470	208	10	7	0	460	Fixed Head	BNP15HC00072
7.7	489	214	30	7	0	460	Fixed Head	BNP15HC00077
8.2	506	220	16	7	0	490	Fixed Head	BNP15HC00082

HORNET

Twin-Cam Performance Freeride

C5

Size	Luff	Boom	Base	Battens	Cams	Ideal Mast	Top Finishing	Code
5.7	413	188	14	7	2	400	Fixed Head	BNP15HO00057
6.2	432	194	2/32	7	2	430/400	Fixed Head	BNP15HO00062
6.7	451	201	22	7	2	430	Fixed Head	BNP15HO00067
7.2	470	207	10	7	2	460	Fixed Head	BNP15HO00072
7.7	489	213	30	7	2	460	Fixed Head	BNP15HO00077
8.2	506	219	16	7	2	490	Fixed Head	BNP15HO00082
8.7	522	225	32/2	7	2	490/520	Fixed Head	BNP15HO00087

DRAGONFLY

Youth Performance

Assorted Colours

Size	Luff	Boom	Base	Battens	Cams	Ideal Mast	Top Finishing	Code
1.5	207	102	6	2	0	240	Vario Top	BNPD0000015
2.0	245	114	6	2	0	240	Fixed Head	BNPD0000020
2.5	267	128	28	3	0	240	Fixed Head	BNPD0000025
3.0	296	140	6	3	0	290	Fixed Head	BNPD0000030
3.5	312	154	22	3	0	290	Fixed Head	BNPD0000035

RS:RACINGEVO6

Racing

Size	Luff	Boom	Base	Battens	Cams	Ideal Mast	Top Finishing	Code
5.0	396	170	26	8	4	370 RDM	Fixed Head	BNPRE650
5.4	407	175	8	8	4	400 RDM	Fixed Head	BNPRE654
5.8	429	183	30	8	4	400	Fixed Head	BNPRE658
6.4	449	193	20	8	4	430	Fixed Head	BNPRE664
7.0	470	204	10	8	4	460	Fixed Head	BNPRE670
7.8	490	214	30	8	4	460	Fixed Head	BNPRE678
8.6	511	228	22	8	4	490	Fixed Head	BNPRE686
9.5	532	242	12	8	4	520	Fixed Head	BNPRE695
10.0	555	256	36	9	5	520	Fixed Head	BNPRE600
11.0	575	272	26	9	5	550	Fixed Head	BNPRE611
12.2	608	296	58	9	5	550	Fixed Head	BNPRE612

RS:SLALOMMK6

Freerace / Slalom

Size	Luff	Boom	Base	Battens	Cams	Ideal Mast	Top Finishing	Code
5.8	428	184	28	7	3	400	Fixed Head	BNPSMK658
6.4	448	195	18	7	3	430	Fixed Head	BNPSMK664
7.0	470	205	10	7	3	460	Fixed Head	BNPSMK670
7.8	492	215	32	7	3	460	Fixed Head	BNPSMK678
8.6	512	229	22	7	3	490	Fixed Head	BNPSMK686
9.5	536	244	16	7	3	520	Fixed Head	BNPSMK695

Rig Components

MASTS

FX100

SDM

Length/cm	Stiffness	Weight/kg	Code
400	19	1.33	RMFX100S400
430	21	1.50	RMFX100S430
460	25	1.74	RMFX100S460
490	29	2.00	RMFX100S490
520	32	2.30	RMFX100S520
550	35	2.62	RMFX100S550

RDM

Length/cm	Stiffness	Weight/kg	Code
340	13	1.11	RMFX100R340
370	16	1.32	RMFX100R370
400	19	1.55	RMFX100R400
430	21	1.77	RMFX100R430

Matrix 65

SDM

Length/cm	Stiffness	Weight/kg	Code
400	19	1.89	RMX65S400
430	21	2.15	RMX65S430
460	25	2.20	RMX65S460
490	29	2.35	RMX65S490

RDM

Length/cm	Stiffness	Weight/kg	Code
370	16	1.72	RMX65R370
400	19	2.09	RMX65R400
430	21	2.30	RMX65R430

Matrix 35

SDM

Length/cm	Stiffness	Weight/kg	Code
400	19	2.31	RMX35S400
430	21	2.55	RMX35S430
460	25	2.78	RMX35S460
490	29	3.08	RMX35S490

RDM

Length/cm	Stiffness	Weight/kg	Code
370	16	1.90	RMX35R370
400	19	2.31	RMX35R400
430	21	2.54	RMX35R430

DRAGONFLY

Length/cm	Stiffness	Weight/kg	Code
240	6	1.10	RMXDF240
290	8	1.40	RMXDF290

BOOMS

X9
All Carbon Boom

Boom / Length	Adjust / cm	Arm Diameter / mm	Adjustment	Rdm Mast Shim	Code
X9 140-190	50	28	Twin-Pin Lever	√	RBX9140E3
X9 160-220	60	28	Twin-Pin Lever	√	RBX9160E3
X9 180-230	50	30	Twin-Pin Trim	-	RBX9180E3
X9 200-260	60	30	Twin-Pin Trim	-	RBX9200E3
X9 225-285	60	30	Twin-Pin Trim	-	RBX9225E3
X9 260-320	60	30	Twin-Pin Trim	-	RBX9260E3

X3
Aluminium Boom

Boom / Length	Adjust / cm	Arm Diameter / mm	Adjustment	Rdm Mast Shim	Code
X3 140-190	50	28	Twin pin lever	√	RBX3140E3
X3 160-210	50	28	Twin pin lever	√	RBX3160E3
X3 180-230	50	30	Twin pin lever	-	RBX3180E3
X3 200-250	50	30	Twin pin lever	-	RBX3200E3
New School					
X3 140-190	50	28	Twin pin lever	√	RBX314WE3
X3 160-210	50	28	Twin pin lever	√	RBX316WE3

X1
Aluminium Boom

Boom / Length	Adjust / cm	Arm Diameter / mm	Adjustment	Rdm Mast Shim	Code
X1 140-190	50	28	Twin pin lever	√	RBX1E3140
X1 165-225	60	28	Twin pin lever	√	RBX1E3165

DRAGONFLY
Aluminium Kids Boom

Boom / Length	Adjust / cm	Arm Diameter / mm	Adjustment	Rdm Mast Shim	Code
100-140	40	28	Twin pin lever	√	RBXDFE3100
120-170	50	28	Twin pin lever	√	RBXDFE3120

EXTENSIONS AND BASES

UXT 34 AND 48 SDM ALLOY
Code: REUXTS34, REUXTS48

UXT 34 RDM ALLOY
Code: REUXTR34

UXT 34 RDM CARBON
Code: REUXTRC34

MXT 34 AND 48 SDM ALLOY
Code: REMXTAS34, REMXTAS48

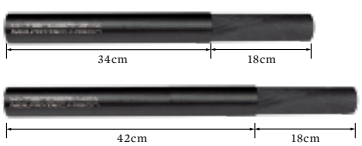
MXT 34 RDM ALLOY
Code: REMXTRA34

MXT 34 AND 48 SDM CARBON
Code: REMXTCS34, REMXTCS48

MXT 34 RDM CARBON
Code: REMXTR34

DRAGONFLY 30 RDM ALLOY
Code: REUDFR30

X-TENDER
34Cm Code: REXTDR
42Cm Code: REXTDR42



POWER U-BASE
Code: RPUB

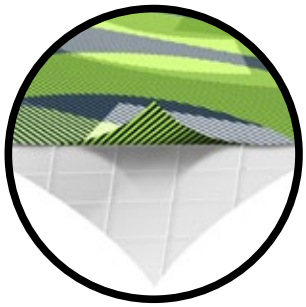
POWER M-BASE
Code: RPM

Materials Technology

NeilPryde sails are built tough, designed to withstand the most extreme riding conditions and the test of time. Extra muscle and twice the endurance are achieved with twin seams and ArmourWeb reinforced construction.

This, together with our Forceline Frame concept, provides the backbone of NeilPryde sail strength and unmatched durability.

So go as hard as you like and then some.



Custom Internal Printing

Our custom printing technology allows us to print the films prior to lamination giving us the flexibility to use multi-coloured, custom graphics. The print is of minimal thickness, reducing weight and producing a higher definition of colour. During lamination the printed side is placed on the inside of the film so there is no need to worry about wear. Your sails will forever remain looking bright and fresh.

Twin Seams

Twice the muscle and twice the endurance. Double stitching is used on all critical seams on all sails allowing them to endure prolonged exposure to high loads and impacts.

ArmourWeb

ArmourWeb is constructed from full polyester lines at +/-40 degrees, creating an interlaced, woven web for high tear resistance. Available on Fusion / Ryde / Hellcat / Hornet.

ArmourWeb ULTRA

High-strength rip-stop grid made of high-tenacity ULTRA yarns at +/-40% degrees. This yarn has a similar breaking strength to Kevlar ™, but much better UV resistance. Available on Fly / Combat / Atlas / Wizard.

Forceline

Forceline yarns are ultra-strong, strategically placed filaments that function like cables on a suspension bridge to absorb and disperse loads into the body of the sail. Forceline has allowed us to do away with unnecessary panels and seams, reducing overall construction complexity and weight.

We use Forceline differently in wave and freestyles sails compared to x-over and freeride sails to account for very particular loads experienced. The clew and tack areas of all wave and freestyle sails are now filled with two Forceline Panels and the central foot panel is removed entirely. As a result, weight is reduced; non-structural materials are removed and replaced with load bearing yarns that are perfectly aligned with loads coming from sail corners. Forceline Variable Density is used in the leech area to support localised loads and to strengthen and protect the sail, especially when it gets washed in the waves.

X-over, Freeride and racing sails have Forceline filaments built into the clew area to support the significant forces radiating from here.

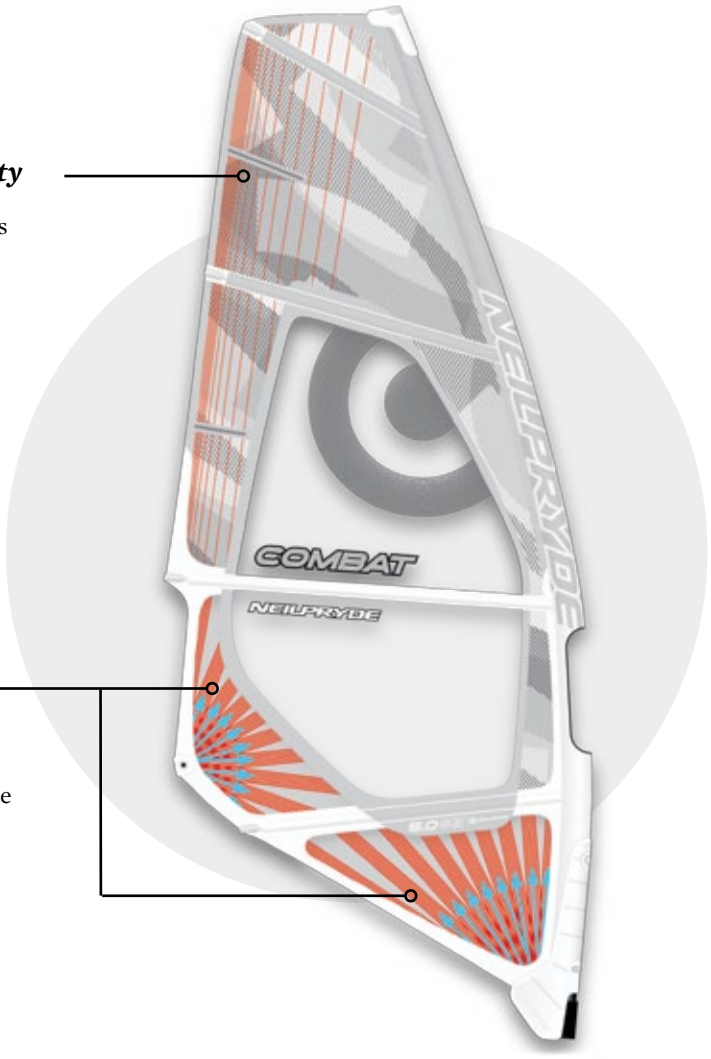
Together, these reinforcements create a lightweight shield that can support extremely high forces experienced in these critical areas. Use of Forceline has resulted in stronger sails, less stretch in key areas and industry leading load absorption and dispersal patterns.

Forceline Variable Density

Variable density polyester yarns that follow loads and reinforce the sail where it needs it most.

Forceline Panels

Structural laminated panel with radiating yarns that seamlessly absord and disperse loads into the sail body.



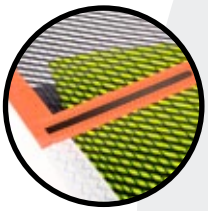
Sail Features

Mast tip chafe protector and 3D moulded head fairing

Protects the top of the sail from abrasion damage. Also includes an easy de-rigging loop.

Polyurethane (PU) moulded batten end chafe protector

Protects the ends of the batten pockets from abrasion damage when rigging and de-rigging.



Composite mini leech battens

Aerodynamic composite mini battens are sewn directly onto the upper sections of the sail for added stability and durability – without a significant increase in weight.

High grade plastic BatCams

Positive lock BatCams, allow the rider to precisely tune and set the batten tension. Easy to open when replacing battens or adjusting batten tension.

Rubber Foot Piping

Protects the foot edge of the sail from wear caused by the non-skid on the deck of the board.

Full Kevlar™ tape leech reinforcement

As Kevlar™ provides ultimate strength to weight ratio for sail making fibers we chose to use fully woven, adhesive Kevlar™ tape around the entire leech and foot parameter. This tape stabilises the shape of the leech and foot by preventing any stretch along these extreme parameter load lines. At the same time it provides perfect stitch holding and prevents sails ripping through. Since Kevlar™ is sensitive to UV we take care that any time we use Kevlar™ in the sail it is completely covered by other materials in order for it to keep its properties after years of use.

Battens

NeilPryde component batten system. A sail model and size specific batten system - permitting placement of the draft at the optimal location. This maximizes the sails' performance for the given design objectives and ensures overall stability across a wide wind range.

- Rod batten: Wave / Crossover / Freestyle / sails. Solid fiberglass for optimum durability
- Rod / tube battens: High performance Freeride / Freerace / Race sails. Solid fiberglass batten front combined with hollow tube for lightness and profile stability.

3D Moulded tack fairing

Completely encloses all pulleys and base elements. This helps protect the deck of the board from impact damage. Manufactured from heat moulded closed cell foam to offer maximum protection and minimal weight without water absorption. Includes an uphaul hole for a clean attachment of the uphaul rope. Neoprene front piece makes it easy to fold the tack fairing back when threading the downhaul rope through the sail's tack pulley.

Boom position reference points

To help you remember exactly where you like to have your boom positioned.

Sail toggle

All NeilPryde sails include an elastic loop and sail toggle system for keeping the sail rolled up during storage.

Triple roller tack fitting

A solid metal tack fitting in heavy duty construction. Three large nickel plated rollers offering minimal downhaul friction over an extended lifespan.

Compact Clew

The compact clew improves control of the sail in two ways: reduced boom length and improved sail twist.

It comes in four different configurations depending on sail types and characteristics.

WAVE / FREESTYLE / CROSS-OVER

Moderate Compact Clew

Moderate Compact Clew for a compact outline with rider focused surface area and improved sail twist.

FREERIDE

Dynamic Compact Clew

With the Dynamic Compact Clew, where the clew is positioned forward from the trailing edge, the profile behind the clew is able to twist off when wind pressure increases. The sail automatically adjusts its shape, preventing the draft from moving back and controlling excess power.

HIGH PERFORMANCE FREERIDE AND FORMULA SAILS

Open Integrated Compact Clew

Has all the advantages of the Dynamic Compact Clew and optimized foot outline as well as extra surface under the boom. The gap between the sail and the board is now closed when the sail is sheeting in.

SLALOM AND RACE

Integrated Compact Clew

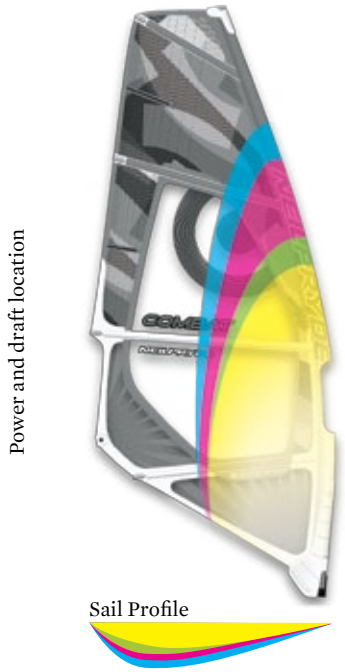
Eliminates the cutout at the clew and connects the foot area with the leech by closing the sail behind the boom end. This results in improved handling, stability and wind range. Available on speed and slalom sizes.

Sail Shaping

Sail shaping balances the speed and power of a sail with control and handling. Shaping lower down in the sail will produce a little less power but increases manoeuverability. Shaping higher up in the sail creates more drive and low-end power.

In the performance oriented sails this extra power is easy to control due to the profile stability supported by cams and tube-battens. In the manoeuvre and wave oriented sails, low shaping distribution provides uncompromised manoeuverability.

WAVE /CROSS-OVER

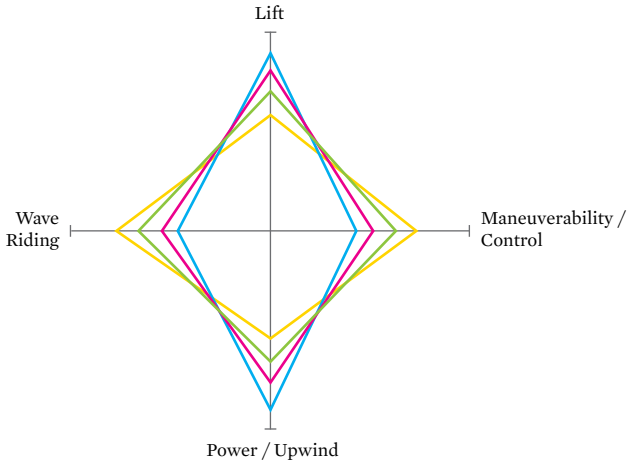


THEFLY
Light feel
Neutral
Maneuverability

COMBAT
Versatility
Acceleration
Control

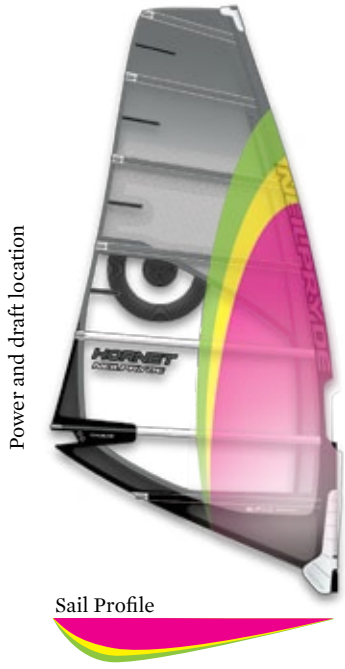
ATLAS
Speed
Power
Maneuverability

FUSION
Speed
Power
Stability



	THEFLY	COMBAT	ATLAS	FUSION
Profile	Flat	Moderate	Deep	Deep
Draft Location	Forward	Central/forward	Central	Central
Luff Curve	Straight/moderate	Moderate	Moderate/high	Moderate/high
Downhaul	Moderate	Moderate	Moderate	Moderate
Surface Tension	Moderate	Moderate	Moderate/high	Moderate/high
Outhaul Tension	High	Moderate/high	Moderate/high	Moderate
Batten Layout	3	4-5	5	5

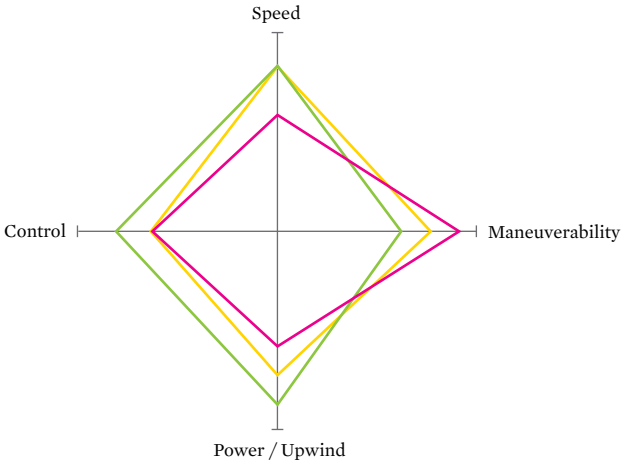
FLATWATER



RYDE
Early planing
Light
Maneuverability

HELLCAT
Fast
Light
Maneuverability

HORNET
Fast
Early planing
Stability



	RYDE	HELLCAT	HORNET
Profile	Moderate	Moderate	Moderate/deep
Draft Location	Forward/central	Forward/central	Central
Luff Curve	Moderate	Moderate	Moderate
Downhaul	Moderate	Moderate/high	Moderate/high
Surface Tension	Moderate	Moderate/high	Moderate/high
Outhaul Tension	High	Moderate/high	Moderate/high
Batten Layout	6	7	7


NEILPRYDE
RYDE HD
NEILPRYDE
NEILPRYDE

2015 Collection

Jules Denel & Leon Jamaer

The Fly

Jason Polakow

DOWN THE LINE WAVE

The most neutral and 'on-off' wave sail, the Fly excels in pure, clean waves where the light, soft handling allows for an experience as close to surfing as possible. The 2015 Fly has evolved into a three-batten concept. It feels extremely light in the hands and is incredibly maneuverable, retaining a handling pedigree and control levels that keep you where the action is—in the critical wave sections you've been hunting down.

C1

Sizes:

3.2 / 3.6 / 3.9 / 4.2 / 4.5 / 4.8 / 5.1 / 5.4

Technology:

DESIGNER'S COMMENT

The new three-batten Fly features a cross batten construction that allows us to design a super light sail while keeping an extremely stable sail profile by pushing the draft low and forward.

FEATURES

Cross batten construction allows all three battens to provide the critical leech support while the bottom batten shaping is kept low and forward below the boom area.

Forceline panel incorporates both clew and tack radial construction into one laminated panel.

The proximity of the clew to the cross battens distributes the load very evenly and prevents the draft to move back as well as keeping the sail stable.

PRO TIPS

Jason Polakow

The 2015 Fly has taken a huge leap forward in design adopting a three-batten construction that still feels totally stable in over-powered conditions.
The lightweight feel and insane twist in the head allows you to do the most vertical turns on the wave and it honestly just feels like you have nothing in your hands. It's the best sail I have ever used, hands down.

Antoine 'Titoun' Martin

Initially I was unsure about the 3-batten construction, but as soon as I tried the new Fly I realised it is extremely stable while being super light in the hands. I now use this sail for all conditions from side-onshore to side-offshore and its stability gives me confidence to push my moves to the next level.

Combat

Jules Denel

ALL ROUND WAVE

The legendary Combat continues to stand out as the go-to choice in the collection for wave performance and all-Around versatility. The Combat combines high-end construction with handling that is improved year after year and signed off by the best wave sailors on the planet.

DESIGNER'S COMMENT

Luff curve adjustments allow for increased middle leech twist to release excessive power

FEATURES

Versatile: Moderate and progressive luff curve for optimum maneuverability, speed and power in both onshore and side-shore conditions.

Central Moderate Profile for optimum balance between upwind power and stability. Increased shaping in mid body section for consistent drive.

Wide Wind Range: A large tuning range, thanks to a stable profile, allows the rider to trim the sail for all conditions.

Construction: Available in both clear and HD window

C1

C2

Combat HD

Sizes:

3.7 / 4.0 / 4.2 / 4.5 / 4.7 / 5.0 / 5.3 / 5.6

Technology:

PRO TIPS

Jules Denel

The Combat is my-rig-up-to-go sail. Whether it is 3.7 maxed-out on-shore or 5.0 clean down-the-line wave sailing, the Combat is always smooth and maneuverable in my hands while providing just the right amount of power.

Robby Swift

It is the perfect sail for the PWA tour as I can rely on it 100 percent at all times and will know it will work in any sort of conditions that we are presented with. The freedom to not have to worry about your gear during a competition is priceless.

POWERWAVE

Atlas offers predictable, steady and user friendly drive, ideal for use in multiple wind and wave conditions. Early to plane, the Atlas is up and ready to get into the action with efficient, usable power at all times. Featuring great upwind ability and acceleration, the Altas pushes hard when conditions are less than ideal and its high lift characteristics ensure massive jumping performance.

Sizes:

4.0 / 4.2 / 4.5 / 4.7 / 5.0 / 5.4 / 5.8 / 6.2

Technology:

DESIGNER'S COMMENT

This is a wave sail with a tighter leech and a higher center of effort than the Fly or Combat. In on-shore conditions, the Atlas still generates drive as the upper sections of the sail are still in cleaner, stronger wind. This means the drive is consistent and you can get back into the pocket of the wave even in an underpowered bottom turn.

FEATURES

Higher Draft Distribution combined with a deep profile, generates power and maximum upwind performance in on-shore conditions.

Higher Leech tension allowing the sail to power up quickly in minimal wind conditions by holding some power in the head.

Progressive twist for optimum response and constant drive, while being able to release any excessive pressure.

Rider focused centre of effort: Perfectly balanced power to ensure profile stability and control.

PRO TIPS

Antoine Albeau

Atlas is a very good sail to use in different wave conditions. I use the Atlas because I can get a lot of power out of it in on-shore conditions and as soon as I need to go to side-shore or side-off-shore conditions and down-the-line sailing, I can make it more flat and get a more neutral wave sail. The Atlas is also super stable during the jump which makes it extremely easy to go high or make rotations.

Leon Jamaer

I rig the Atlas when the wind becomes sketchy and the waves a bit weaker. In these conditions the Atlas excels with its smooth power delivery and drive you gain from the stable profile. The neutral handling allows me to do all the moves in the waves and the power gives me some extra height on my jumps. This sail is all about making the most out of everyday conditions and leaving the water with a big smile.

Atlas

Julien Quentel

Wizard

Steven Van Broeckhoven

FREESTYLE

The Wizard is the ultimate new school freestyle sail. Delivering more direct drive and a high level of lift, this sail planes instantly and has silky smooth handling. Early planing, stability and balanced feel during tricks are the key requirements for a freestyle sail and the Wizard has it all. Plenty of air and more pop than ever.

DESIGNER'S COMMENT

We used a wider luff panel in order to allow the sail to power up and down to a larger degree and also more instantly. The leech is a little tighter which promotes power and there's more support from the battens in the upper body sections that stabilize the sail during maneuvers.

FEATURES

Four battens up to 5.7 Keep the sail weight to a minimum for optimum performance.

Tetoron luff-panel combined with a narrow sleeve allow the sail to transition from neutral to maximum lift in the shortest time.

Even shaping throughout the sail body extending all the way to the top makes the Wizard extremely fast planing and gives it instant lift during moves.

Center-oriented profile makes for the best combination of low-end power and control.

C1

Sizes:

3.8 / 4.2 / 4.5 / 4.8 / 5.1 / 5.4 / 5.7 / 6.1 / 6.5

Technology:

PRO TIPS

Steven van Broeckhoven

Just make sure you rig it correctly – more outhaul and less downhaul than a pure wave sail. I always make sure the leech is only loose between the top two battens retaining the shape and power in the sail which is key for performance freestyle. Other than that, this sail is simple and easy to get the best out of.

Andy Bubble Chambers

The amount of lift you get from the Wizard during tricks is amazing! I like to rig it with neutral outhaul so the sail is not too flat but also not fully touching the boom. The most lightweight, easy sail I have ever used.

CROSSOVER

Use anywhere, in any wind strength, on any water condition. Learn the basics, jump, catch a wave, try a freestyle trick or get into freeride mode and leave your friends behind for speed. With forgiving handling and optional full HD construction, the Fusion is suited to all types of windsurfing.

C3

C2

Fusion HD

Sizes:

4.5 / 5.0 / 5.5 / 6.0 / 6.5

Technology:

FORCE LINE PANEL · ARMOUR WEB · TWIN SEAMS · MODERATE COMPACT CREW

DESIGNER'S COMMENT

Fusion is a sail I really enjoy riding as it does everything pretty well. There is plenty profile shaping on the battens to get lots of power and good speed essential for jumping in on-shore, choppy conditions. The five batten wave sail-inspired outline makes it really fun to play in small waves.

FEATURES

Light and Forgiving through moderate skin tension and rider-focused centre of effort.

Progressive aspect ratio: High aspect ratio for maneuver-oriented small/ medium sizes. Lower aspect ratio for larger sizes.

Size-specific foot angle: Low in big sizes. High in small sizes.

One mast and boom fit all sizes. (430 Mast/160 Boom)

PRO TIP

Leon Jamaer

When all I want is to feel the basic excitement of windsurfing—get planing, carve a gybe, boost a jump or just race with friends—the Fusion is my sail of choice. It is very user friendly and easy to rig. This sail basically meets every windsurfer's needs with its easy-going character.

Jules Denel

There is nothing you can't do with the Fusion. It has no limits and is a true crossover. The best option will be to pair it with a freestyle wave board.

Fusion

Jules Denel

RYDE

Sebastian Kornum & Leon Jonnaer

FREERIDE

The Ryde has been designed for classic flat-water freeriding. It offers great low-end power and stability for early planing and controlled maneuvers. The Ryde is an ideal choice for new generation wide and thin Freemove boards as well as more conventional Freeride boards. Planing and gybing made easy—windsurfing pure and smooth.

Ryde HD

Sizes:

5.5 / 6.0 / 6.5 / 7.0 / 7.5

Technology:

FORCELINE PANEL · ARMOUR WEB · TWIN SEAMS · DYNAMIC COMPACT CLEW

DESIGNER'S COMMENT

With a shorter boom and higher cut foot than the Hellcat, the Ryde perfectly combines Freemove and Freeride characteristics. Six battens and the Dynamic Compact Clew make it fast and controllable in straight lines with a wide wind-range that provides a truly fun freeriding experience.

FEATURES

Dynamic Compact Clew: Helping the twist to be progressive for optimum draft control and stability.

Medium Foot Cut for optimum balance between easy maneuvers and performance.

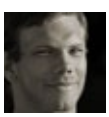
Hybrid Luff Curve creating good lift while maintaining a stable profile when overpowered.

Armour Web Construction and optional full HD for ultimate durability.

PRO TIP

Sebastian Kornum

The Ryde is a sail that brings a big smile on my face each time I use it. I enjoy that everything becomes easy whether it's early planing, laydown jibes or just blasting around effortlessly. And for me, it doesn't get boring, as there is plenty of acceleration and stability in the sail to push for higher speed as the wind increases.



Leon Jamaer

Once you get the Ryde going, you will not stop planing. It is unstoppable and so light in the hands that windsurfing has never been so easy.

Hellcat

Steven van Broeckhoven

NO-CAM PERFORMANCE FREERIDE

Born from the NeilPryde Racing Program, the Hellcat is a thoroughbred performance freeride sail. It's fast, powerful and delivers an exhilarating combination of speed and acceleration. Slippery and rapid when powered up on a reach, Hellcat's shaping and twist characteristics are derived from the EVO race sail ensuring pace and pedigree of this high-performance freeride machine.

Sizes:

5.7 / 6.2 / 6.7 / 7.2 / 7.7 / 8.2

Technology:

DESIGNER'S COMMENT

Directly derived from the racing and slalom program, Hellcat features the Open Integrated Compact Clew with Forceline load distribution.

FEATURES

Forceline custom laminated clew for optimized strength and load distribution.

Open Integrated Compact Clew for optimized foot outline and extra surface under the boom.

Luff-Curve: Race-inspired ensuring high skin tension and fast reflex for maximum acceleration and top-end speed.

Component battens: Six-tubular-batten configuration reducing weight while giving optimum profile shape and stability. One-rod bottom batten for deep foot profile and durability.

PRO TIP

Antoine Albeau

Great low-end acceleration and top-end speed. It is really easy to go fast.

Steven van Broeckhoven

Fast sailing made easy. High top-end speed, great acceleration and just a full-on performance freeride sail. A true race feeling without cams.

TWIN-CAM PERFORMANCE FREERIDE

Hornet is the sail of choice for sailors looking for extremely early planing. Pure speed and thrills with accessible race-sail-like performance, in a package that is a breeze to rig and feels light in the hands. Inspired by the Racing Program, the profile ensures high stability levels in gusts or when overpowered. The result is cam-free handling in maneuvers combined with cam-sail straight-line performance and low-end power.

DESIGNER'S COMMENT

Now featuring seven battens and EVO-inspired clew construction, the 2015 Hornet really steps up in performance, especially in top-end speed and control. The super compact Integracam design allows us to combine power and stability of a camber-induced profile with the narrow sleeve size of a no-cam sail.

FEATURES

Forceline custom laminated clew for optimized strength and load distribution.

Open Integrated Compact Clew for optimized foot outline and extra surface under the boom.

Instant Rotation thanks to the nature of the Integracam that places the leading edge tension just behind the mast as on a no-cam sail.

Component battens: six-tubular-batten configuration reducing weight while giving optimum profile shape and stability. One-rod bottom batten for deep foot profile and durability.

INTEGRACAM

Fully integrated compact camber providing regular cam enducer profile support while keeping the soft rotation and narrow sleeve width of a no-cam sail.

Sizes:

5.7 / 6.2 / 6.7 / 7.2 / 7.7 / 8.2 / 8.7

Technology:

FORCELINE PANEL · 4 REAR WEB · TWIN SEAMS · OPEN INTEGRATED COMPACT CLEW

PRO TIP

Julien Quentel

Very light and fast, plenty of power and drive, the 2015 Hornet offers a race-sail-like performance that is truly amazing.

Enrico Marotti

The 2015 Hornet has evolved a lot in terms of performance. I love using it with my slalom boards, even though it's a freeride/freerace sail that is meant to be used with a freeride board. It has an extremely clean and beautiful twist in the leech combined with gentle softness, making it easy to go really fast.

Hornet

Enrico Marotti

YOUTH PERFORMANCE

Dragonfly is designed to provide optimum performance for both beginner and advanced youth sailors. Dragonfly has the same features, durability and appearance of all NeilPryde sails but is lighter and easier to handle.

Assorted Colours

Sizes:

1.5 / 2.0 / 2.5 / 3.0 / 3.5

Technology:

TWIN SEAMS

DESIGNER'S COMMENT

It was really fun designing a high performance kid's sail that combines light weight with stability and with construction and look that match the real wave sails. Learning has never been this fun!

FEATURES

Size-specific batten layout: 1.5 and 2.0 have two battens for minimal weight; 2.5 and up have three battens for stability.

Minimal downhaul: easy rigging through minimal downhaul tension.

High foot angle: helps during uphauling and manoeuvring the board.

Lightweight and ***Highly durable***

The Dragonfly Rig

Mast

For more information about the Dragonfly mast specifications see **page 46**.

Extension

For more information about the Dragonfly extension and its specifications see **page 55**.

Boom

For more information about the Dragonfly boom and its specifications see **page 49**.

Dragonfly

Lou Bouvet by Erik Aeder

Racing Program

"We Only Play to Win"

Over 30 years of domination in slalom and speed events didn't come easily. It came from the hands and hearts of the best racers in the world, the best designers and top engineers. We know how to bring them all together and make the fastest sails on the planet. And we only ever play to win.

Since we started the racing program in early 1980's, the objective has always been the same: research, development and innovation, with a 'no-compromise' approach to designing sails that offer the best possible performance on the race course. The technology, ideas and concepts that are created and refined during the development process for the race sails are ultimately applied to all of the sails in the NeilPryde range.

NeilPryde's race sails have remained the dominant force in windsurf racing for the past 30 years with numerous World, Speed, PWA, Euro Cup and Continental Championship wins to their credit. Think Ken Winner, Pascal Maka, Fred Haywood, Bjorn Dunkerbeck, Anders Bringdal and Antoine Albeau—all legends with numerous world titles and speed records to their name.

The RS:RACING sails have been the reference on the racecourse since their introduction, ultimately leading us to future PWA Slalom titles. The RS:RACING design philosophy delivers an unmatched combination of stiffness and flexibility, power and easy handling, low-end drive and the highest max speeds. All made possible through years of development, countless hours of testing and some voodoo sail magic from designer Robert Stroj and the NeilPryde Dream Factory.

Antoine Albeau by John Carter

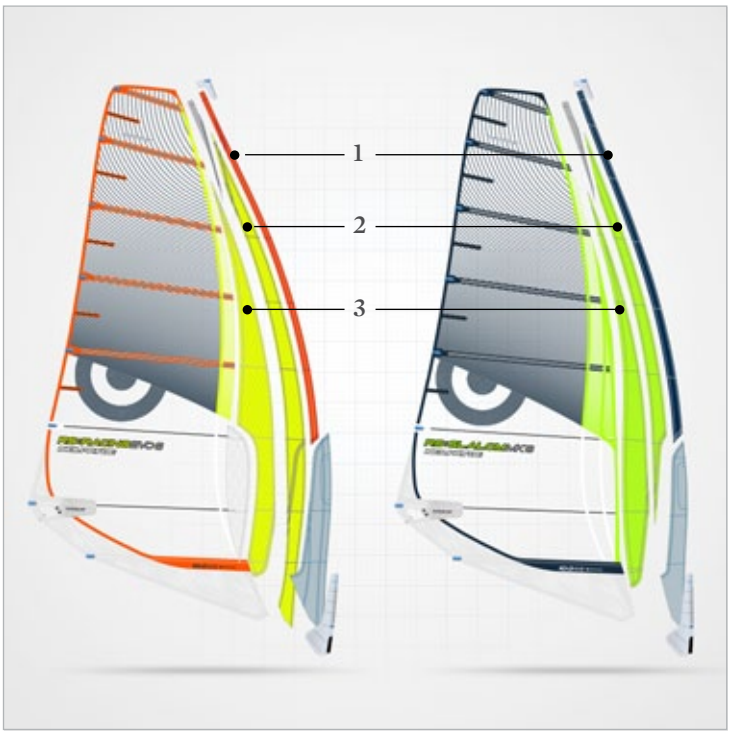
Highlights

QUADRUPLE LUFF PANEL LAYOUT

EVO6 and MK6 feature four continuous luff panels that carry most of the sail body shaping. This configuration stabilises the critical section draft position while also providing lightweight yet stretch-resistant way of increasing the film thickness proportional with downhaul load distribution. Continuous panels eliminated horizontal seams crossing the highly loaded leading edge, which increases response of the sail as well as durability. Introduction of this extremely stable leading edge platform that is able to take very high downhaul loads allowed us to integrate Clear Pocket construction in the remaining sail body.

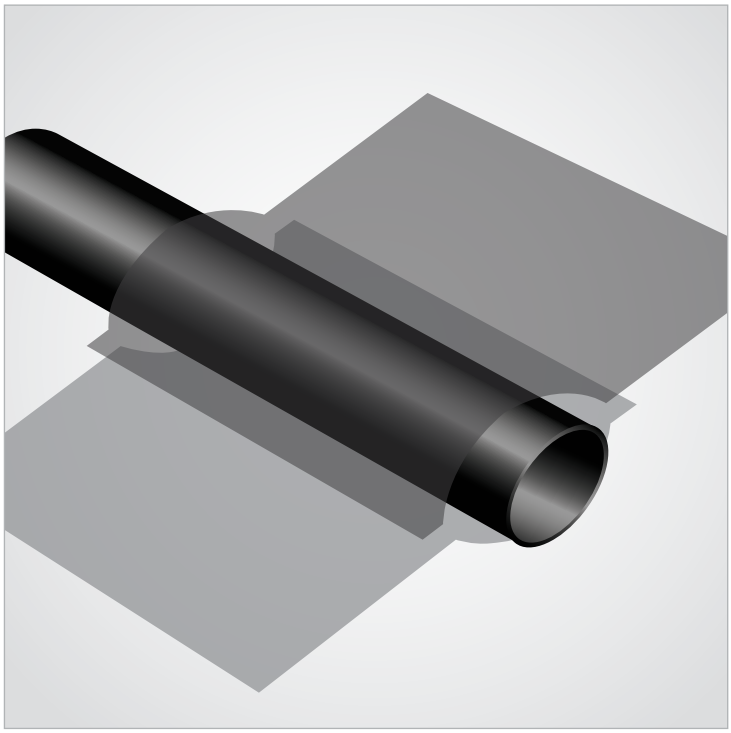
COMPONENT SLEEVE CONSTRUCTION

The EVO6 and MK6 sleeve is constructed by combining different materials with specific properties to achieve optimum profile entry stability and elasticity, critical for rotation and light weight.
The front upper section (1) is made from lightweight woven material that has necessary elasticity and durability to resist wear from direct contact with the mast.
Behind this panel there is a low stretch ArmourWeb section (2) that takes high downhaul tension and is critical in stabilising the profile entry, providing smooth bridging between UltraCams.
Inserted between this panel and the sail body is a very lightweight, rip-resistant laminated film/ taffeta with Dyneema™/Ultra yarns (3). Film controls the stretch, Dyneema™/Ultra yarns provide ultimate rip resistance and taffeta is crucial for stitch holding. Bottom part of the sleeve is finished using our luff glide material as on other NeilPryde sails. This material combines very low friction against the mast (important for smooth rotation) with excellent durability and necessary elasticity in the bottom part.



CLEAR POCKET BATTEN SLEEVE

On the EVO6 and MK6 sails, overlapping body panels create a sleeve for battens, eliminating the need for traditional separate batten pockets. This obviously saves on unnecessary weight and simplifies construction. Much more importantly, Clear Pockets create a fully symmetrical batten cavity, eliminating the tendency of traditional batten pockets to load differently from one tack to another. Traditional batten pockets, sewn on one side of the sail make the sail body set deeper when they are on the leeward side of the profile than when they are on the windward side. Clear Pockets, set the battens effectively in the middle of the horizontal cross section of the sail, avoiding this problem.



FORCELINE

The clew area of the EVO6 and MK6 sails features a custom laminated Kevlar™ Forceline Panel for load distribution. Load spreading Kevlar™ strips are laminated directly onto the sail body, fanning from the point load at the grommet and continuously crossing over panel joints. This not only provides optimum load distribution but it makes for extremely lightweight yet strong construction eliminating any air pockets present in traditional patch construction.

Features

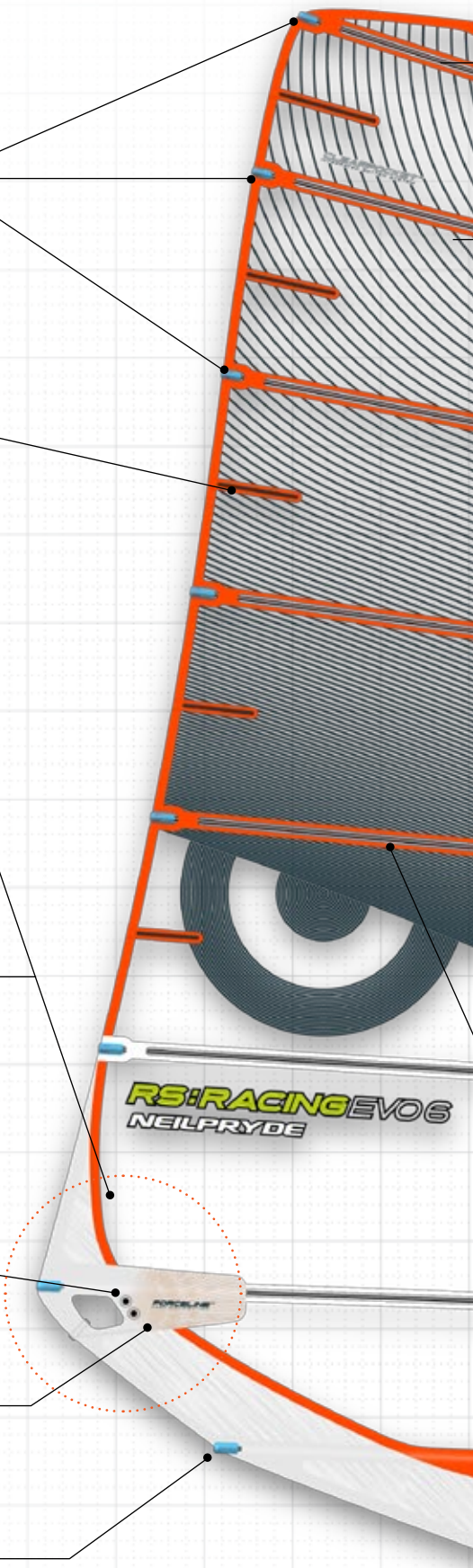
Mini Batcams
Streamline and reduce weight in critical upper leech.

Carbon Leech Mini Battens
Provide max support with minimum weight.

Integrated Compact Clew
Eliminates the cutout at the clew and connects the foot area with the leech by closing the sail behind the boom end. This results in improved handling, stability and wind range. Available on speed and slalom sizes.

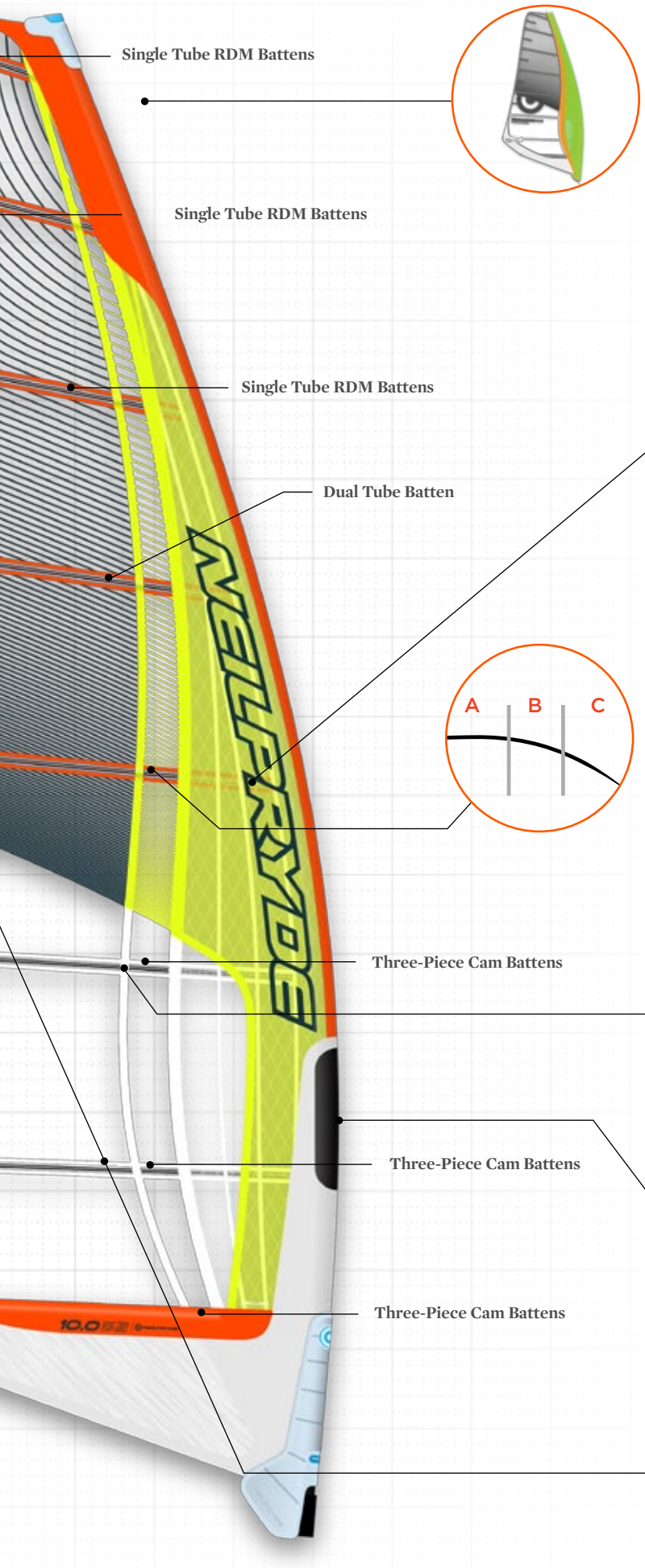
Open Integrated Compact Clew
Available only on Formula sizes (10.0/11.0/12.2). Providing more outhaul adjustment space.

Dual Clew Eyelets
Allowing fine individual tuning.



Clew Batten
Providing clew support and load distribution.

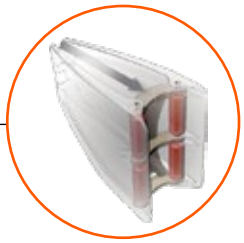
Batcam Screw Adjuster
For easy and precise tension application.



Dynamic Luff Sleeve Shaping

A. Increasing the width of the double surface leading edge in the area where the profile is deepest, ie in front of the rider, helps to keep the draft stable in this critical area.

B. Decreasing the width of the double luff in the head allows the sail to twist off more smoothly and under less load. This reduces tension on the leech.



Ultracams

Innovative suspended camber system dramatically improves sail rotation and acceleration out of gybes. Simultaneous tuning of battens and cambers makes the sail easy to tune.

Three-Piece Cam Battens

A 3-piece batten provides the framework for the design of a smooth, lightweight and stable sail profile.

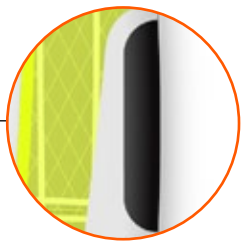
A. Carbon/fiberglass tube: stiffest section

B. Hollow mid-section: medium stiffness

C. Precision Tapered CNC Batten: variable stiffness

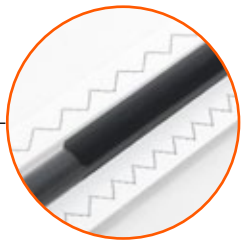
Kevlar Batten Bridges

To distribute the high downhaul load crossing the battens



Aerodynamic Boom cutout closure

Prevents the apparent wind from blowing into the mast sleeve and generating drag.



Batten Chafe Protection

Abrasion resistant PU print to help protect the battens from damage caused by rigging or boom contact.

EVO6

Antoine Albeau

RACING

The all-new EVO6 is the latest speed machine borne from the record-breaking RS:Racing programme. Brilliantly bright new livery is apparent but something more extraordinary hides beneath – completely new luff panel layout, sleeve construction, streamlined batten pockets and just the right amount of Forceline.
Welcome to the evolution of speed.

Sizes:

5.0 / 5.4 / 5.8 / 6.4 / 7.0 / 7.8/ 8.6 / 9.5 / 10.0 / 11.0 / 12.2

Technology:

Size	Luff	Boom	Base	Battens	Cams	Ideal Mast	Code
5.0	396	170	26	8	4	370 RDM	BNPRE650
5.4	407	175	8	8	4	400 RDM	BNPRE654
5.8	429	183	30	8	4	400	BNPRE658
6.4	449	193	20	8	4	430	BNPRE664
7.0	470	204	10	8	4	460	BNPRE670
7.8	490	214	30	8	4	460	BNPRE678
8.6	511	228	22	8	4	490	BNPRE686
9.5	532	242	12	8	4	520	BNPRE695
10.0	555	256	36	9	5	520	BNPRE600
11.0	575	272	26	9	5	550	BNPRE611
12.2	608	296	58	9	5	550	BNPRE612

MK6

Enrico Marotti & Sebastian Kornum

FREERACE / SLALOM

The RS:Slalom MK6 is designed on the concept of real world racing. With long distance and GPS sailing trends continuing and the resurgence in slalom racing, the MK6 brings World Cup winning RS:Racing technology to a wide range of performance minded sailors.

RS:Slalom MK6 takes the design pedigree of NeilPryde's RS:Racing sail and builds it into a high performance yet user-friendly slalom package. It features a combination of enhanced bottom end power, excellent top end speed, stability and exceptional rotation at every gybe.

PRO TIP

Sebastian Kornum

The light weight and soft handling make the MK6 go in any wind condition. Smooth camber rotation and light construction make for easy handling and the experience less physical than with the EVO6.
MK6 is an incredible sail that will work for all sailing styles and body weights. I am sure it will be warmly welcomed by club racers as well as other, serious windsurfers who want to go fast or win national races.

Sizes:

5.4 / 6.4 / 7.0 / 7.8/ 8.6 / 9.5

Technology:

KEY DIFFERENCES WITH EVO6

Three cams on bottom battens for all sizes – one cam less than the EVO6. Less cams make for a softer and lighter rig with smooth rotation, excellent handling during gybes and more user-friendly rigging and de-rigging.

30% narrower sleeve for soft, forgiving feeling and a lighter sailing weight while retaining low-end performance. Water starts are made easier and a little bit less downhaul will be required, as the leech will open with less tension.

100% composite batten construction. Three-piece composite batten construction for best balance between profile stability, light weight and durability.

FX100 SDM and Matrix 65 SDM compatible for flexibility and performance adjustment.

Size	Luff	Boom	Base	Battens	Cams	Ideal Mast	Code
5.8	428	184	28	7	3	400	BNPSMK658
6.4	448	195	18	7	3	430	BNPSMK664
7.0	470	205	10	7	3	460	BNPSMK670
7.8	492	215	32	7	3	460	BNPSMK678
8.6	512	229	22	7	3	490	BNPSMK686
9.5	536	244	16	7	3	520	BNPSMK695

Julien Quentel & Sebastian Kornum


NEILPRYDE
RS:SLALOM MK6
NEILPRYDE

Masts

The NeilPryde mast range is based around three performance levels: Matrix35, Matrix65 and FX100. Higher performance level masts will have higher carbon content reducing the weight of the mast as well as significantly increasing reflex speed resulting in higher performance. Every NeilPryde sail will perform to its highest potential when used with the specified NeilPryde mast.

RDM vs SDM

The NeilPryde RDM masts are compatible in curve and flex with NeilPryde SDM masts. Choose a RDM mast for a softer, more forgiving feel and durability and a SDM mast for a faster response and more direct feel.

We recommend the use of SDM masts on cambered sails.

Why NeilPryde Masts?

Four reasons why it's better to use NeilPryde sails with NeilPryde masts:

1. You'll get maximum performance from your rig.
2. To ensure optimum fit.
3. Our sails are designed around our mast curves.
4. Particularly in cambered sails it is critical to use the right mast diameter for cams to have optimum function.

FX100 SDM/RDM

A precision engineered, machine made, filament wound mast where each individual yarn is applied to a pre-set computer program. Each mast size has a custom layup of carbon yarns where each individual layer is applied at a unique angle to the mandrel to match the bend characteristics, loads and load angles each section will be subject to. Upper sections of the masts are subject to twisting and torque loads and only filament wound technology allows precision matching of load bearing yarns with the actual load angles the mast is subject to. Based on our proven technology from the RS:X Olympic program where durability, reliability and performance go hand in hand, the FX100's are light, tough, strong and fast.

FX100 SDM	Length/cm	Stiffness	Weight/kg	Code
	400	19	1.33	RMFX100S400
	430	21	1.50	RMFX100S430
	460	25	1.74	RMFX100S460
	490	29	2.00	RMFX100S490
	520	32	2.30	RMFX100S520
	550	35	2.62	RMFX100S550

FX100 RDM	Length/cm	Stiffness	Weight/kg	Code
	340	13	1.11	RMFX100R340
	370	16	1.32	RMFX100R370
	400	19	1.55	RMFX100R400
	430	21	1.77	RMFX100R430

Matrix 65 SDM/RDM

The Matrix 65 has 65% carbon content and filament wound construction. This mast is perfect if you are looking for durability with good response and a light feel. During the filament winding process the masts yarns are laid on a mandrel at different angles between various layers. Each particular mast size will have specific angles and numbers of layers to ensure the perfect bend curve and masts performance. As with all NeilPryde masts, the Matrix65 is designed to work in perfect synergy with NeilPryde sails.

Matrix 65 SDM	Length/cm	Stiffness	Weight/kg	Code
	430	21	2.15	RMX65S430
	460	25	2.20	RMX65S460
	490	29	2.35	RMX65S490

Matrix 65 RDM	Length/Cm	Stiffness	Weight/kg	Code
	370	16	1.72	RMX65R370
	400	19	2.09	RMX65R400
	430	21	2.30	RMX65R430

Matrix 35 SDM/RDM

With a 35% carbon content and filament winding construction the Matrix 35 offers affordable performance. During the filament winding process the mast yarns are laid on a mandrel at different angles between various layers. Each particular mast size will have specific angles and numbers of layers to ensure the perfect bend curve and masts performance. The filament winding construction is highly durable due to loading distribution from end to end being even, leaving no stress points on the mast. With the bend curve optimised to work best with all NeilPryde sails, Matrix 35 offers great value for money.

Matrix 35 SDM	Length/cm	Stiffness	Weight/kg	Code
	430	21	2.55	RMX35S430
	460	25	2.78	RMX35S460
	490	29	3.08	RMX35S490

Matrix 35 RDM	Length/cm	Stiffness	Weight/kg	Code
	370	16	1.90	RMX35R370
	400	19	2.31	RMX35R400
	430	21	2.54	RMX35R430

DRAGONFLY

These composite masts have been designed to work best on the Dragonfly sails. Their construction is similar to our adult mast program but with a specialised, custom lay-up. A combination of fibreglass and carbon fibre is used to ensure this mast is strong, light and affordable.

Length/cm	Stiffness	Weight/kg	Code
240	6	1.10	RMXDF240
290	8	1.40	RMXDF290

PROGRESSIVE FLEX & BEND CURVE

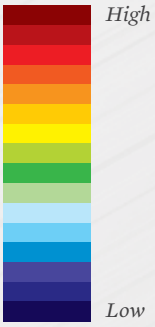
The standout feature of NeilPryde masts is the unique flex and bend curve. Our shorter masts are close to ‘flex-top curve’ while longer masts are closer to ‘constant curve’ - this is why we call it the Progressive Flex and Bend Curve.

The distance from the mast bottom to the boom is relatively constant between all mast lengths. Short masts are supported by the boom head at a relatively higher point than long masts. To compensate for much less ‘flexing length’ above the boom, short masts will have a relatively softer top section compared to long ones as there is much more sail area above the boom that needs to be supported by the mast.

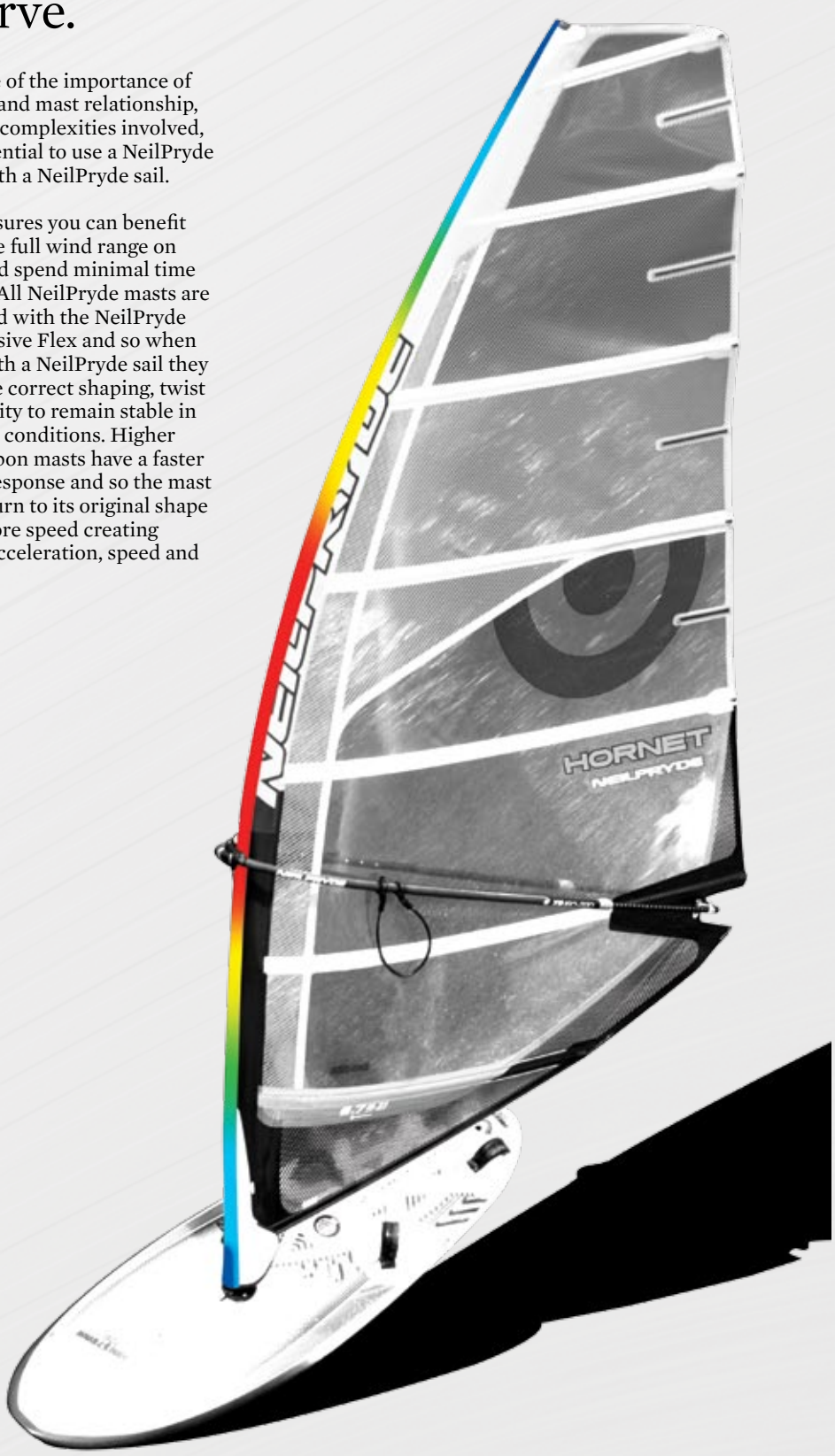
All NeilPryde mast models of the same size will have the same bend curve. This means you are not limited to a particular mast model to match your sail. The curve will only differ across different mast sizes, regardless of the model.

Because of the importance of the sail and mast relationship, and the complexities involved, it is essential to use a NeilPryde mast with a NeilPryde sail.

This ensures you can benefit from the full wind range on offer and spend minimal time tuning. All NeilPryde masts are designed with the NeilPryde Progressive Flex and so when used with a NeilPryde sail they have the correct shaping, twist and ability to remain stable in variable conditions. Higher end carbon masts have a faster reflex response and so the mast will return to its original shape with more speed creating better acceleration, speed and control.



Load distribution along length of a mast.



Booms

X9 *All Carbon Boom*

- Monocoque carbon boom body
- Monocoque carbon tail extension
- S-shape profile on 140 and 160 lengths
- NeilPryde VT joint to allow a perfect fit on a large variety of masts.
- Oversized mast cup in forged carbon composite material for lightweight and stiffness
- 225 & 260 sizes come supplied with a universal adjustable outhaul kit for maximum tuning range

The X9 140 and 160 booms come with a NeilPryde mast shim for use with RDM masts.

Boom / length	Adjust / cm	Arm diameter / mm	Adjustment	RDM Mast Shim	Code
X9 140-190	50	28	Twin-Pin Lever	√	RBX9140E3
X9 160-220	60	28	Twin-Pin Lever	√	RBX9160E3
X9 180-230	50	30	Twin-Pin Trim	-	RBX9180E3
X9 200-260	60	30	Twin-Pin Trim	-	RBX9200E3
X9 225-285	60	30	Twin-Pin Trim	-	RBX9225E3
X9 260-320	60	30	Twin-Pin Trim	-	RBX9260E3

X3 *Aluminium Boom*

- 'Pressure Flow Forged' aluminum Head
- Monocoque aluminum tail extension
- T6 series alloy arms
- S-shape profile on all lengths
- NeilPryde VT joint to allow a perfect fit on a large variety of masts.
- Oversized mast cup in glass fibre reinforced injection moulding
- 'New School' profile available in the 140 & 160

The X3 140 and 160 booms come with a NeilPryde mast shim for use with RDM masts.

Boom / length	Adjust / cm	Arm diameter / mm	Adjustment	RDM Mast Shim	Code
X3 140-190	50	28	Twin pin lever	√	RBX3140E3
X3 160-210	50	28	Twin pin lever	√	RBX3160E3
X3 180-230	50	30	Twin pin lever	-	RBX3180E3
X3 200-250	50	30	Twin pin lever	-	RBX3200E3
New School					
X3 140-190	50	28	Twin pin lever	√	RBX314WE3
X3 160-210	50	28	Twin pin lever	√	RBX316WE3

X1 *Aluminium Boom*

- Monocoque body construction. The whole body of the boom is made out of one piece of tubing for optimum weight to strength ratio.
- Plastic over-moulded head for smooth finish and alignment of the boom head.
- NeilPryde VT joint to allow a perfect fit on a large variety of masts.
- Oversized mast cup in glass fibre reinforced injection moulding

Comes with a NeilPryde mast shim for use with RDM masts.

Boom / length	Adjust / cm	Arm diameter / mm	Adjustment	RDM Mast Shim	Code
X1 140-190	50	28	Twin pin lever	√	RBX1E3140
X1 165-225	60	28	Twin pin lever	√	RBX1E3165

Dragonfly *Aluminium Kids Boom*

With special thin grip this boom is perfectly suited for small hands with big ambitions. This boom has a 'new school' outline which is simply scaled down to ensure the Dragonfly rig works in perfect synergy.

Boom / length	Adjust / cm	Arm diameter / mm	Adjustment	RDM Mast Shim	Code
100-140	40	28	Twin pin lever	√	RBXDFE3100
120-170	50	28	Twin pin lever	√	RBXDFE3120

VT-Joint

The NeilPryde VT-Joint provides a stiffer boom connection and a more responsive transmission of the sail's power while protecting the mast.

Using the VT-Joint has several key benefits:
- increases contact area from the boom attachment to the mast.
- it can be used on any standard diameter mast.
- reduces chance of point loading.
- minimises 'play' between the boom and mast connection

The mast cup interior of the VT-Joint has been carefully contoured to create a V shape.

The V shape accommodates variation in standard mast diameters without the need for a shim.
Slightly thinner masts simply sit further into the V while fatter ones sit lower down.

The change in shape provides a second point of contact between the cup and the mast creating a tighter connection and a greater transmission of power than ever before.

The VT-Joint is standard on all new NeilPryde booms with an oversized mast cup material composition tailored to suit each boom type:

X1 – Oversized mast cup in glass fibre reinforced injection moulding
X3 – Oversized mast cup in glass fibre reinforced injection moulding
X9 – Oversized mat cup in forged carbon composite material

X9 Custom Tails

- Customized carbon tails for Wave, Slalom and Racing booms.
- Hollow box section tubes. Square profile.
- Increased torsional rigidity.
- Optimized performance / weight ratio.

Mast Shim

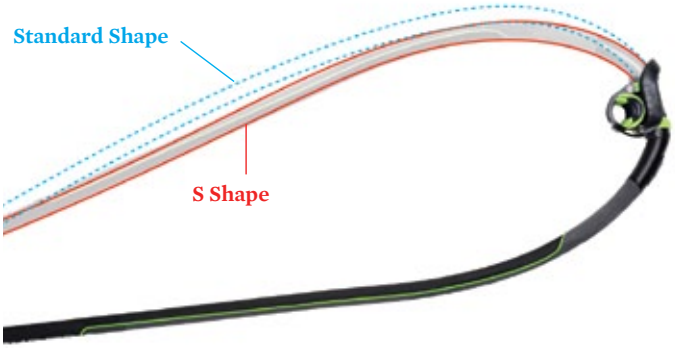
All X3 and X9 140 and 160 booms, and X1 140 and 165 booms are delivered with a clickable RDM mast shim.

Twin-Pin Lever Actuated Trim Lock Adjustment System

Featured on all booms for ease of adjustment (except the X9 race booms). The Twin-Pin design provides optimal load distribution and a stiff connection between the boom body and tail end.

Aerodynamic Boom Lever

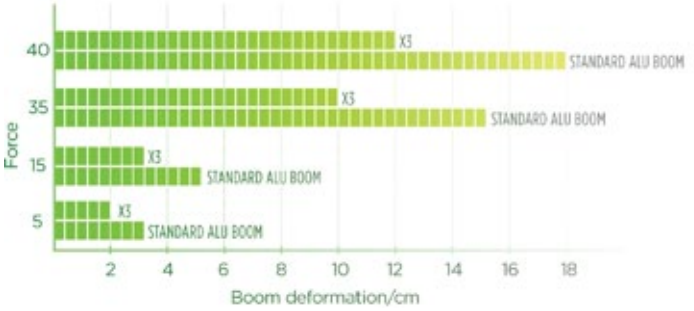
Reduced surface area.
Lighter weight.
Easy locking and opening.



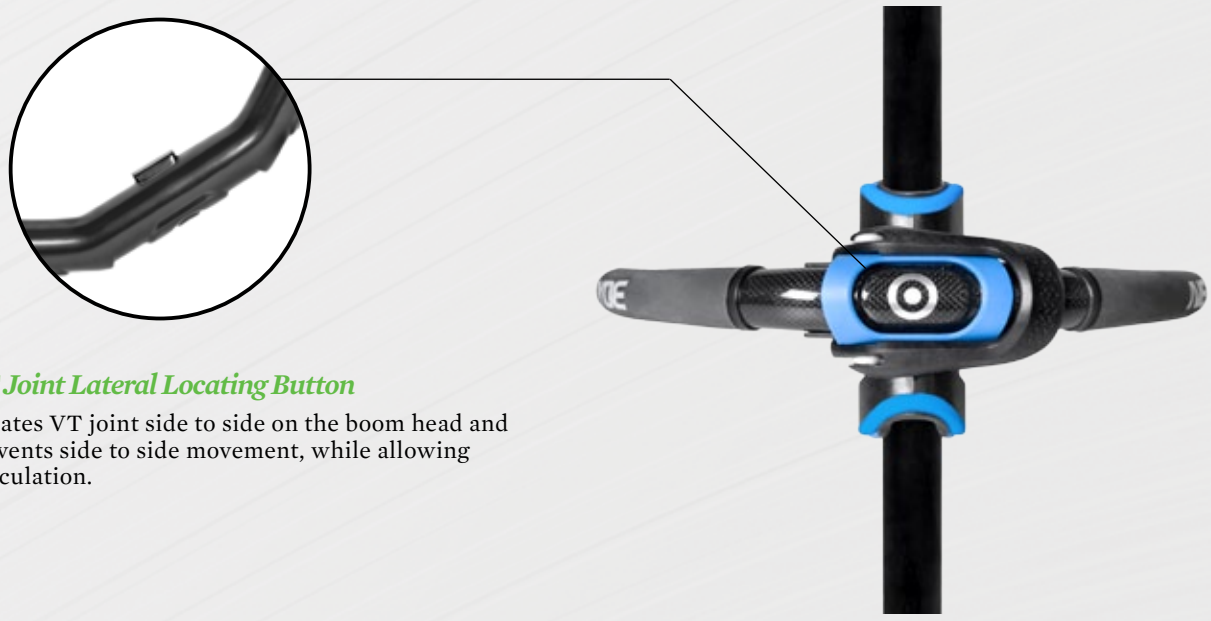
S-Shape Profile

In contrast to a traditional boom that has convex and straight outline sections, all X3 booms and 140 & 160 X9 boom lengths have an S shape concave section at the highest loading point (the back hand section). With traditional booms, as there is more force at the backhand section, such as when landing jumps or sailing overpowered, a straight/ convex outline is free to bend out, making the boom feel soft and actually making the sail profile deeper as the boom gets shorter. On the “S” boom this force is applied against the concave “S” section resulting in much improved stiffness as well as keeping the sail profile stable as the boom length does not change under load.

Forged Aluminum Head



Pressure Flow Forging – an innovative technology that allows for shaping of exceptionally stiff aluminium tubing. By applying this technology on all our X3 booms, the NeilPryde R&D team have managed to create the lightest, strongest and most rigid aluminium booms available on the market. ‘Pressure Flow Forging’ represents a real breakthrough in boom shaping as the metal is allowed to ‘flow’ rather than stretch into shape. Fluid is injected at very high pressure into the aluminum tube that causes it to expand until it matches an external female mold. This process increases the density of the aluminum in all areas and provides the ability to control wall thickness, allowing for the creation of complex shapes that result in a far stronger head. Further, we chose to put the boom arms inside the head tube and this results in an outside diameter of the head being increased and bringing a further increase in rigidity and strength.
As a final production process, this already high tech piece is heat tempered to create highest stiffness and strength.



VT Joint Lateral Locating Button

Locates VT joint side to side on the boom head and prevents side to side movement, while allowing articulation.

Extensions

All extensions are fully integrated with stainless steel cleat/pulley bottom assemblies offering the best weight to stiffness ratio and creating very light but also very strong extensions.

Strong Integrated Pulley

Monococque load carrying stainless caste structure – transfers load directly from the pulleys onto the extension tube without relying on any plastic components.

UXT System

Button for universal pin system.
Works with Power U-Base.

Rope Cleat

The rope cleat has been integrated into the stainless caste structure for streamlined profile and maximum strength.

Formula Line Rope

Endurance tested highest grade spectra rope for best performance, reduced friction and longevity.

MXT Large Release Mono-Button (MXT System)

For a secure, heavy-duty connection and ease of operation.
Works with Power M-Base.

MXT / UXT - Clamshell Adjustment System

- Easy, user friendly operation in all temperatures.
- Heavy duty stainless steel construction - designed to sustain high loads.
- Positive engagement - completely unaffected by sand.
- Increased tube strength due to the absence of any grooves.

MXT EXTENSIONS

Code:REMXTAS34, REMXTAS48

MXT 34 AND 48 SDM Alloy

With a redesigned stainless bottom fitting, these extension are now even easier to use while remaining ultra strong. We relocated the rope start for easy access and all NeilPryde Extensions are supplied with a high-end, 14-plaid Spectra® line.

Code: REMXTRA34

MXT 34 RDM Alloy

Durable alloy with a full stainless steel, ultra strong foot.

Code: REMXTCS34, REMXTCS48

MXT 34 AND 48 SDM Carbon

All the good stuff we are used to from the proven MXT Alloy, now available in carbon. Lighter, stiffer and more rugged to accept higher loads on the longer settings.

Code: REMXTR34

MXT 34 RDM Carbon

The benefit of a light durable MXT system in combination with the lightweight and durable carbon tube make for the lightest RDM extension available.

X-TENDER

34cm Code: REXTDR
42cm Code: REXTDR42

X-Tender

Lightweight, yet heavy-duty way to extend the mast while maintaining the optimum bend curve on standard diameter masts.

UXT EXTENSIONS

Code: REUXTS34, REUXTS48

UXT 34 AND 48 SDM Alloy

Durable alloy extension with a new, full stainless steel, light and ultra strong foot.

Code: REUXTR34

UXT 34 RDM Alloy

The UXT system allows us to use a continuous diameter all the way down. Not having to rework the alloy means we are able to use harder aluminium resulting in a more durable extension. This, together with the new bombproof full stainless steel cast UXT system, makes this a good base for your rig to sit on.

Code: REUXTRC34

UXT 34 RDM Carbon

All the good stuff we are used to from the proven UXT 34 Alloy, now available in carbon. Lighter, stiffer and more rugged to accept higher loads on the longer settings.

DRAGONFLY EXTENSION

Code: REUDFR30

DRAGONFLY 30 RDM Alloy

As with other Dragonfly components, this extension is specifically designed to suit. Due to a lower load specification we have been able to reduce the weight when compared to our regular RDM extension while still keeping the same high quality features such as the clamp shell and high quality anodising.

BASES

Code: RPM

Power M-Base

- Fin box mast base system with urethane tendon, used by most professional sailors.
- MXT release system.
- Low profile.
- Wide surface area contacting board for better load distribution.
- Grip padded plate for shock absorption and scratch protection of board deck.

Code: RPUB

Power U-Base

- Fin box mast base system with urethane tendon, used by most professional sailors.
- Universal Pin.
- Low profile.
- Wide surface area contacting board for better load distribution.
- Grip padded plate for shock absorption and scratch protection of board deck.

WIZARD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