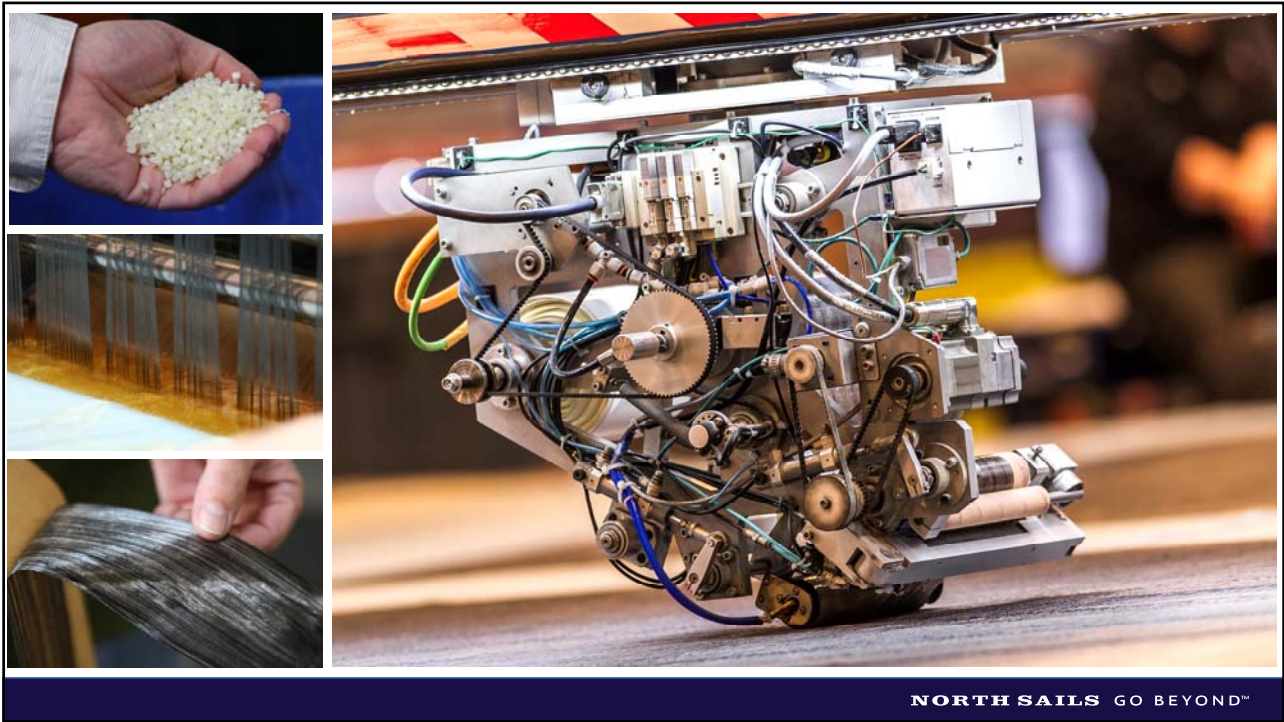
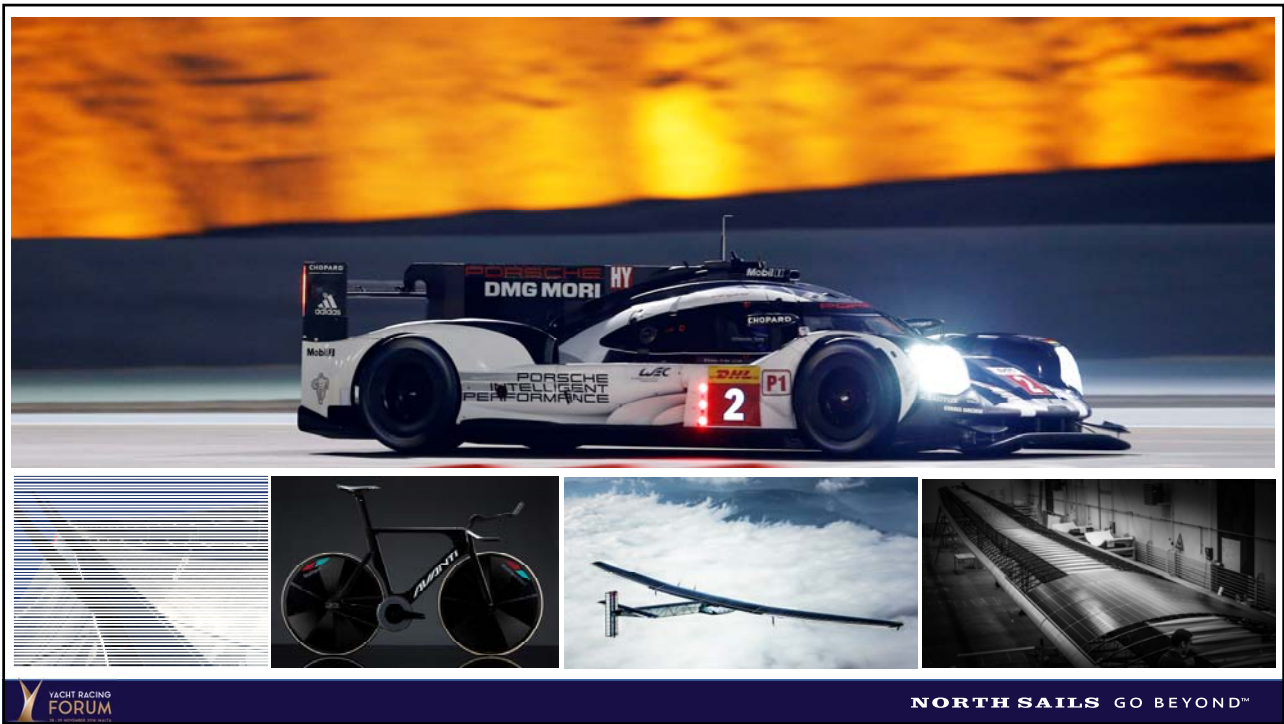
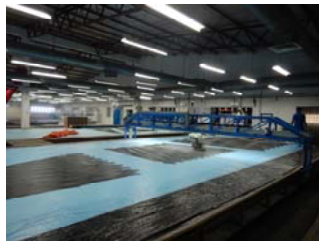
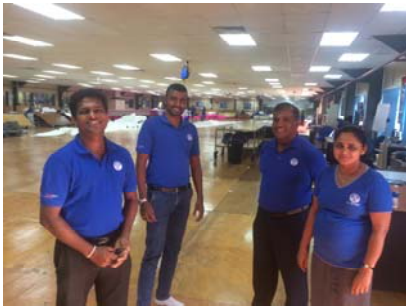


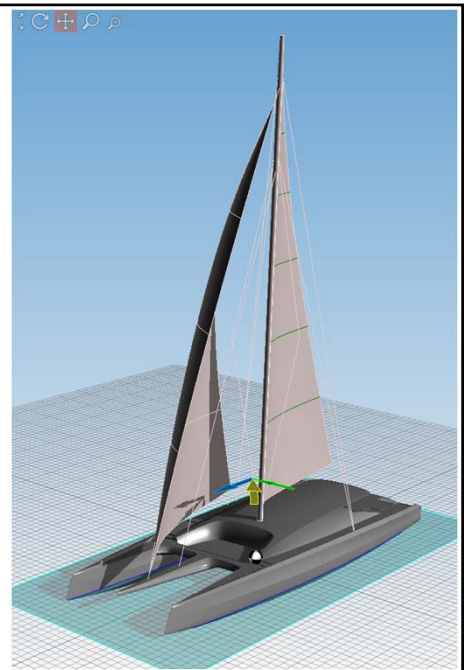


**NORTH SAILS GO BEYOND™**





**NORTH SAILS** GO BEYOND™

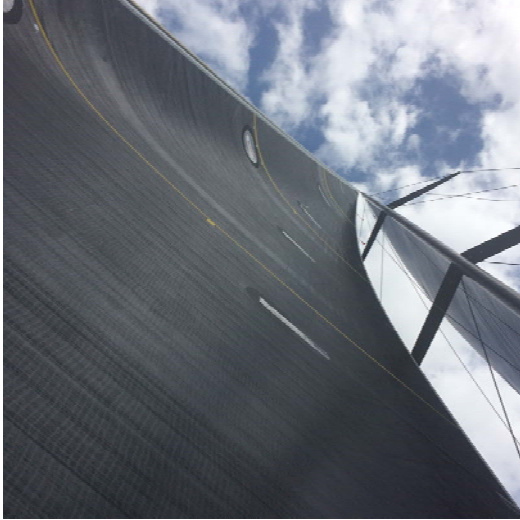


**YACHT RACING  
FORUM**

**NORTH SAILS** GO BEYOND™







**NORTH SAILS** GO BEYOND™



GO BEYOND™

|       |                    |        |
|-------|--------------------|--------|
| 95.1% | 6.5kt              | 6.7kt  |
| VMG   | Speed              | Target |
| 13.6° | 3.2°               | 2.4°   |
| Heel  | Rudder             | Leeway |
| < 36% | Main Middle 11.2%  | 10.9°  |
| Draft | Camber             | Twist  |
| —     | Mainsheet 70 mm    | +      |
| —     | Backstay 150 mm    | +      |
| —     | Traveler -8.7°     | +      |
| —     | Luff Tension 30 mm | +      |
| Jib   | Main               |        |



**NORTH U.**  
powered by ebttools

**NORTH SAILS**



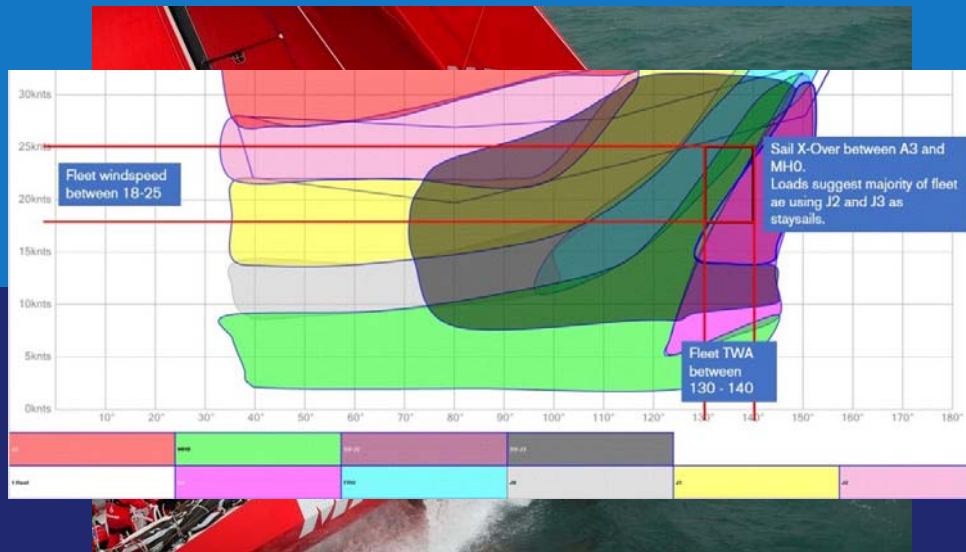
 2017-2018  
VOLVO OCEAN RACE  
SAIL INVENTORY

 OFFICIAL SUPPLIER



| Sail Type | Sail Area (m²) |
|-----------|----------------|
| MH0       | 305 m²         |
| FR0       | 235 m²         |
| J0        | 171.3m²        |
| J1        | 132 m²         |
| J2        | 86.6 m²        |
| J3        | 44.5 m²        |
| SJ        | 29.7 m²        |
| A3        | 375 m²         |





**J0**  
Sail Area: 171.3 m<sup>2</sup>





GO BEYOND

UPWIND SAIL REFERENCE GUIDE



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NORTH SAILS



P-Dimension < 17 meters  
NORDAC - CRUISE

P-Dimension < 17 meters  
ENDURANCE 760 S - PREMIER CRUISE

P-Dimension 17-22 meters  
ENDURANCE 760 M, 780 M - PREMIER CRUISE

P-Dimension < 17 meter  
RAW 760 S - RACE (CLUB RACE)  
RAW 780 S, 760 M, 780 M - PREMIER RACE

P-Dimension 17-22 meters  
RAW 760 M, 780 M - RACE, PREMIER RACE  
870 L, 880 L - GRAND PRIX

**3D<sup>i</sup> PRODUCT LINE 2018**

3DI RAW 360 S - RACE (CLUB RACE)

3DI ENDURANCE 730 (SRP) M - PREMIER CRUISE, MULTIHULL

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GO BEYOND<sup>®</sup>

# DOWNWIND SAIL REFERENCE GUIDE

CRUISING  
GENNAKERS

RACING  
SYMMETRIC SPINNAKERS

RACING  
ASYMMETRIC SPINNAKERS

CODE  
SAILS

**NP<sup>C</sup> NP<sup>L</sup>**

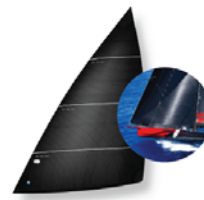
**NP<sup>C</sup>**

**NP<sup>C</sup> NP<sup>L</sup>**

**NP<sup>L</sup> 3D<sup>i</sup>**

CRUISING

RACING



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## DOWNWIND Product Line - 2018 Quick Guide

### ASYMMETRIC RACING SPINNAKERS *Smooth / Fast / Stable*

| Sail Type | Description        | Sail Diagram | TWS Range | Mitre Depth Range | SMG Range | AWA Range | Panel Material Choice        | Anti Torsion Luff Rope |
|-----------|--------------------|--------------|-----------|-------------------|-----------|-----------|------------------------------|------------------------|
| A1        | Light Wind Reacher |              | 7-12      | 5.3-6.3%          | 85-95%    | 65-95     | NPC Downwind<br>NPL Downwind | Option                 |
| A1.5      | Light Wind Runner  |              | 7-15      | 6.0-7.0%          | 90-100%   | 70-100    | NPC Downwind<br>NPL Downwind | Option                 |
| A2        | Medium Wind Runner |              | 10-22     | 6.5-7.5%          | 95-105%   | 90-135    | NPC Downwind<br>NPL Downwind | Option                 |
| A3        | Masthead Reacher   |              | 10-25     | 4.2-5.2%          | 75-85%    | 70-110    | NPC Downwind<br>NPL Downwind | Option                 |
| A4        | Reavy Wind Runner  |              | 18-25     | 7.2-8.2%          | 100-107%  | 115-160   | NPC Downwind<br>NPL Downwind | Option                 |
| A5        | Fractional Reacher |              | 18-25     | 4.2-5.2%          | 75-85%    | 80-120    | NPC Downwind<br>NPL Downwind | Option                 |

### CODE SAILS *Downwind Racing / Tight Wind Angles*

| Sail Type | Description              | Sail Diagram | TWS Range | Mitre Depth Range | SMG Range | AWA Range | Panel Material Choice | Anti Torsion Luff Rope | 3Di Material Choice | Helix (3Di Only) |
|-----------|--------------------------|--------------|-----------|-------------------|-----------|-----------|-----------------------|------------------------|---------------------|------------------|
| CODE ZERO | Rule Compliant Spinnaker |              | 5-18      | 2.5-3.5%          | 75% Only  | 40-65     | NPL Sport / Downwind  | Option                 | 3Di RAW 760         | Standard NC      |
| CODE 70   | Downwind VMG Headsail    |              | 4-16      | 2.5-3.5%          | 70-74%    | 40-55     | NPL Downwind          | Option                 | 3Di RAW 760         | Option           |
| CODE 60   | Reaching Headsail        |              | 4-14      | 1.5-2.5%          | 60-69%    | 35-45     | NPL Downwind          | Option                 | 3Di RAW 760         | N/A              |
| CODE 50   | Tight Reaching Headsail  |              | 4-12      | 0.5-1.5%          | 50-59%    | 25-35     | NPL Downwind          | Option                 | 3Di RAW 760         | N/A              |



## DOWNWIND Product Line - 2018 Quick Guide

### CRUISING GENNAKERS *Fast Fun Downwind Cruising*

| Sail Type | Description   | Sail Diagram | TWS Range | Mitre Depth Range | SMG Range | AWA Range | Panel Material Choice                           |
|-----------|---------------|--------------|-----------|-------------------|-----------|-----------|-------------------------------------------------|
| G ZERO    | Close Reacher |              | 5-10      | 2.5-3.5%          | 65% Only  | 45-90     | NPC Downwind<br>NPL Downwind<br>(select styles) |
| G1        | All Purpose   |              | 8-15      | 8.5-9.5%          | 90-95%    | 70-120    | NPC Downwind                                    |
| G2        | Runner        |              | 15-25     | 9.0-10%           | 95-100%   | 100-150   | NPC Downwind                                    |

### SYMMETRIC RACING SPINNAKERS *Proven, Powerful Performers*

| Sail Type | Description         | Sail Diagram | TWS Range | Mitre Depth Range | SMG Range | AWA Range | Panel Material Choice |
|-----------|---------------------|--------------|-----------|-------------------|-----------|-----------|-----------------------|
| S1        | Light Wind Reacher  |              | 5-10      | 8.5-9.5%          | 100%      | 70-140    | NPC Downwind          |
| S1.5      | Light Wind Runner   |              | 8-15      | 8.5-9.5%          | 90-100%   | 95-155    | NPC Downwind          |
| S2        | Medium Wind Runner  |              | 15-25     | 9.0-10%           | 100-110%  | 110-165   | NPC Downwind          |
| S3        | Medium Wind Reacher |              | 10-20     | 7.5-9.0%          | 85-100%   | 80-125    | NPC Downwind          |
| S4        | Heavy Wind Runner   |              | 18-30     | 9.5-10.5%         | 110-115%  | 130-165   | NPC Downwind          |
| S5        | Fractional Reacher  |              | 18-25     | 7.5-9.0%          | 85-100%   | 90-150    | NPC Downwind          |

