



DOWNWIND SAILS PRODUCT GUIDE



RACING DOWNWIND SAILS

Legendary for their performance! Using sophisticated design tools for off-wind sail development, wind tunnel testing, and the expertise of designers, technologists, and manufacturing experts from industry and academia, Quantum’s racing spinnakers have been developed to provide downwind power for every type of racing situation. All sails feature multi-panel, tri-radial construction for accurate, 3D shaping, smooth flying shape, and precise alignment of loads. Only the highest quality nylon, polyester, and laminate spinnaker materials are used, and attention to construction details ensures rugged durability and dependability.

STANDARD FEATURES

- Corner reinforcements are spray-glued for maximum bonding area and smoothness.
- Narrow head gores reduce diagonal load on seams.
- Fanned radial patches distribute loads and minimize weight at corners.
- Numbers and trim stripes are inked to minimize weight and smooth center sections.

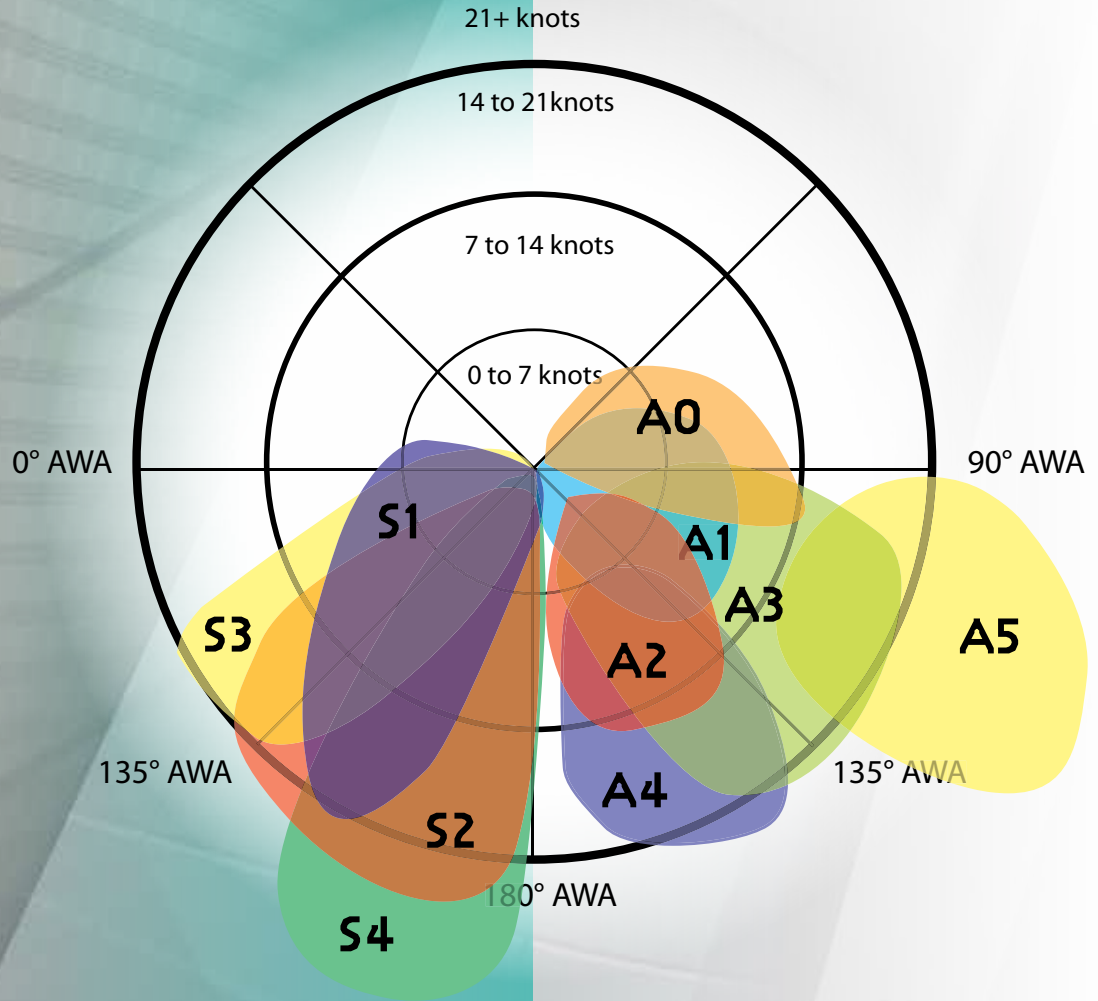
| ASYMMETRICAL | TWS/TWA in Knots |
|---------------------------------|---------------------|
| A0 - Close Reaching | 0 - 15 / 50 - 125 |
| A1 - VMG Light-air | 0 - 10 / 70 - 110 |
| A2 - AP Running | 10 - 20 / 100 - 145 |
| A3 - AP Reaching | 8 - 20 / 65 - 135 |
| A4 - Heavy Running | 18 - 30 / 125 - 170 |
| A5 - Heavy Reaching | 15 - 25 / 60 - 130 |
| A6 - Fractional Reaching | 20 - 40 / 65 - 135 |

All spinnakers include inked numbers, leech and foot control lines, and sail bag. Graphics are can be applied using different methods and materials depending on design, usage, and budget. Please check with a Quantum® Rep for more information.

| SYMMETRICAL | TWS/TWA in Knots |
|---------------------------|---------------------|
| S1 - VMG Light-air | 0 - 10 / 70 - 110 |
| S2 - AP Running | 10 - 20 / 100 - 145 |
| S3 - AP Reaching | 8 - 20 / 65 - 135 |
| S4 - Heavy Running | 18 - 30 / 125 - 170 |

SYMMETRICAL

ASYMMETRICAL



CRUISING DOWNWIND SAILS

What started as a simple, multi-purpose asymmetrical spinnaker design has been transformed into a sophisticated series of spinnakers specifically designed for the unique requirements of cruising sailors. A direct descendent of our racing designs, Quantum's cruising spinnakers provide unmatched levels of control, stability, and reliability. Developed using the leading off-wind design program and wind tunnel testing, each asymmetrical spinnaker model is optimized for specific wind angles while offering versatility for a broad range of uses.

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STANDARD FEATURES

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- Numbers are inked to minimize weight and smooth center sections.

All spinnakers include inked numbers, leech and foot control lines, and sail bag. Graphics are applied using different methods and materials depending on design, usage, and budget. Please contact a Quantum® Rep for more information.

| ASYMMETRICAL | TWS/TWA in Knots |
|----------------------------|--------------------|
| A0 - Close Reaching | 0 - 12 / 50 - 125 |
| A2 - AP Running | 8 - 20 / 100 - 155 |
| A3 - AP Reaching | 5 - 18 / 60 - 135 |
| A5 - AP Reaching | 6 - 25 / 60 - 140 |
| G0-Upwind Gennaker | 0 - 15 / 30 - 65 |

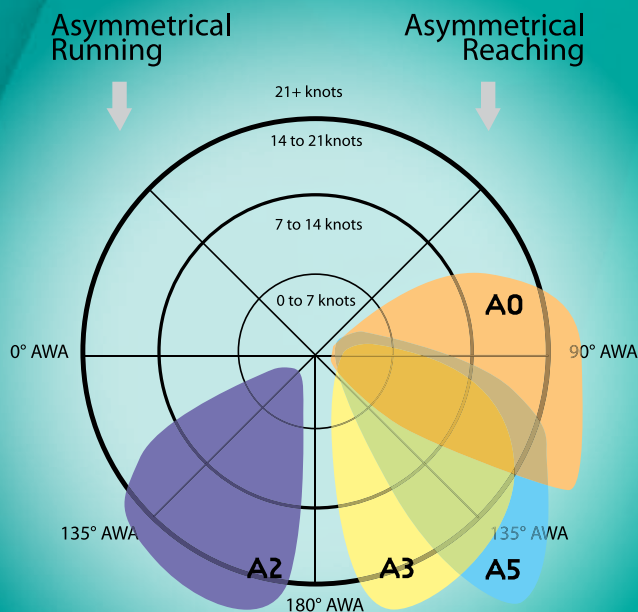


Photo Credits: Matias Capizzano (inside)

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