

CRUISING DOWNWIND SAILS

What started as a simple, multi-purpose asymmetrical spinnaker for cruising has been transformed into a series of three models specifically designed for the unique requirements of avid cruisers. Directly descended from our racing designs, Quantum's cruising spinnakers provide unmatched levels of control, stability, and reliability. Each model is optimized for specific wind angles while offering versatility for a broad range of use.



DESIGNED FOR PERFORMANCE, BUILT TO LAST

All cruising spinnakers 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, while attention to construction details ensures rugged durability and dependability.

QUALITY CONSTRUCTION MAKES THE DIFFERENCE

When it comes to sail quality, small details make a big difference. Know what you're getting by asking questions about the hardware, materials and construction methods that will be used to make your spinnaker. Excellence and attention to detail are hallmarks of every Quantum® sail.

- Corner reinforcements glued for maximum bonding and smoothness
- Narrow head gores reduce diagonal load on seams
- Fanned radial patches distribute loads and minimize weight at corners
- Leech, luff, and foot-control lines restrain flutter and provide additional strength
- Graphics can be applied using different methods and materials depending on the design, usage and budget

SPINNAKER HANDLING SYSTEMS

To make asymmetrical spinnakers useful and easy to handle for typical short-handed cruising there are two basic options for handling systems.

FURLING SYSTEMS

There are two varieties of furling systems for cruising spinnakers. A free-standing torsional rope can be inserted into the luff of the sail and attached to a traditional furling system, usually with a continuous-line drum that allows unlimited furling. This is wound from the bottom up. This method works well for sails that are relatively small and flat such as A0 sails.

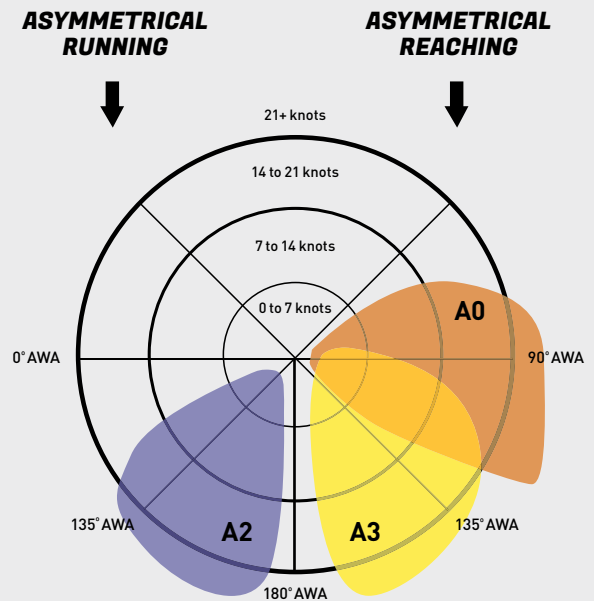
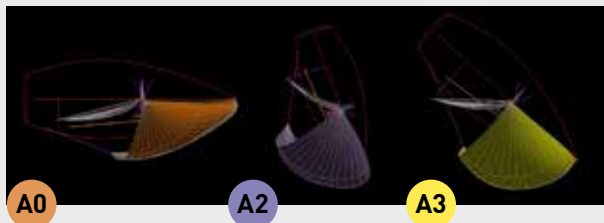
For larger asymmetrical spinnakers, such as A3 and A2, a top-down furling system is preferred. A torsional rope is used, but instead of being inserted into the luff of the sail it remains separate. When the continuous furling line is pulled, the tack rotates on a swivel and the top swivel begins to wrap the spinnaker around the rope, furling from the "top down." This is the only way to furl a larger spinnaker where the top sections are designed for broad reaching and running.

SPINNAKER DOUSING SLEEVE

A dousing sleeve pulls down over the sail using a continuous control line, typically with a bell-shaped opening to allow the sleeve to be easily pulled down or up. The sail is set inside the sock, then deployed once fully hoisted, by pulling the sock up over the sail. To take down, the sleeve is pulled down over the sail and dropped under control.

POLAR CHART FOR SPINNAKER SELECTION

ASYMMETRICAL SPINNAKERS	TWS / TWA
A0	0-20 kts / 60-130°
A2	5-20 kts / 135-165°
A3	5-20 kts / 120-155°



TO EXPLORE DOWNWIND SAIL OPTIONS AND HANDLING SYSTEMS, CONTACT YOUR LOCAL QUANTUM LOFT

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