

The Factors Of Seating Comfort

What makes a seat comfortable? The answer becomes complex as boating becomes more specialized and boaters more sophisticated. As your seating expert, Attwood stays ahead of design trends. In the columns below we list the universal and specialized comfort factors you should look for in any seat you choose.

Universal Factors

Contouring

- The seat's backrest follows the natural curve of the spine
- An upward curve at back of the seat pan rotates the pelvis forward and properly positions the lumbar region
- A rounded front ("waterfall") edge reduces pressure on the thighs



Venture Fishing Seat is contouring in it's purest form

Backrest Angle

- The seat relieves pressure by shifting upper body weight to the backrest, while not reducing support. This is done by angling the seat and seat mount
- Optimal seat pan-to-backrest angle is 95° -105° for passengers, 95° - 100° for drivers

Seat Height

- Pedestal height is critical for comfort and driver's vision. If too low: weight shifts onto the sitting bones. If too high: weight shifts onto back of the thighs and into the spine
- Seat height should be adjustable within a 5" range — 14.5" to 19.5" above the deck

Proper Dimensions

- Seats should fit a range of body sizes
- Attwood's seats accommodate body frames ranging from small (5th percentile female) to large (95th percentile male)

Specialized Factors

Shock Absorption

- Attwood was the first to create effective shock absorption that isolates the boater's spine from hull pounding. Attwood accomplishes this through our two revolutionary seating suspension systems. Both take a 4-G hit without transferring shock to the rider by providing 3 inches of travel for a soft landing with no bottoming out.



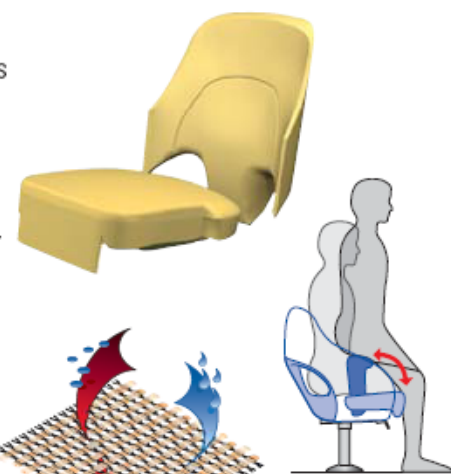
SAS™ Quad-Spring Suspension



4G Mesh SAS Suspension

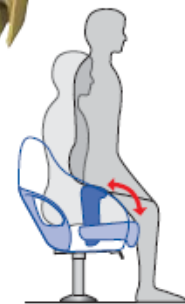
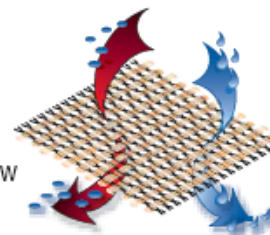
Cushioning

- If foam is too thick, the body "swims" without support, and movement is restricted
- If the foam is soft or thin, it "bottoms out," leading to discomfort or injury
- On Attwood seats, the right amount of sculpted foam enhances the comfort and support already designed into the ergonomic contour



Breathability

- VisionAir™ Elastomeric Mesh Technology dissipates heat and moisture, offers cool comfort
- Venture folding fishing seats have ventilated seat back and pan to allow pass-through of air and water for increased comfort



Accessories

- A flip-up bolster can add height and improve the field of vision for maneuvering
- The optional cargo panel on Matrix seats is a great way to stow your gear

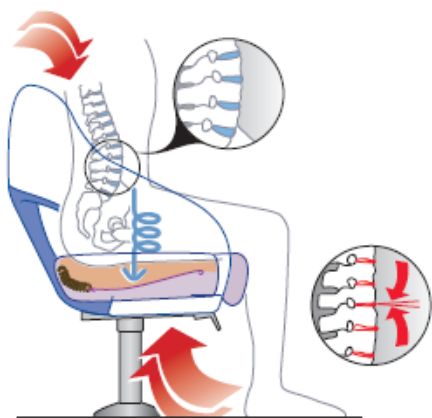


SAS and 4G Mesh SAS Suspensions Provide Dynamic Comfort Underway and Static Comfort for Relaxing

Dynamic Comfort

While underway, both SAS suspension types absorb up to 4-Gs of impact from waves and hull pounding.

Riders Downward Thrust



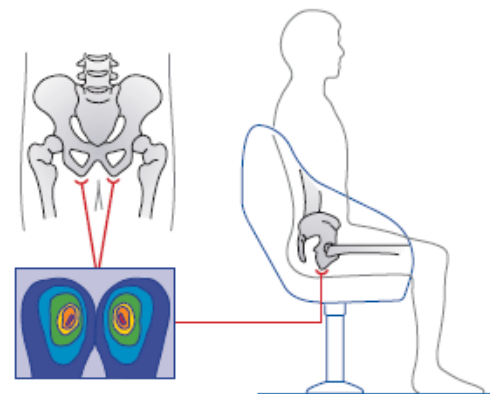
Boat's Upward Thrust

With Suspension
Impact is absorbed by the suspension — not the boater.

Without Suspension
Repeated impact can cause pain and chronic disk injury.

Static Comfort

Even while idle and sitting still, the SAS suspension adjusts to pressure and adds long term comfort.



Conventional Seat
Graphs show that conventional seats allow pressure points and impaired circulation around sharp "sitting bones".



Seat with Suspension
The Attwood suspensions have stretching action to minimize pressure points.