MARINE SUSPENSION SEATING



PRODUCT CATALOG

FEEL BETTER. TRAVEL FARTHER.

SHOCKWAVE

MARINE SUSPENSION SEATING

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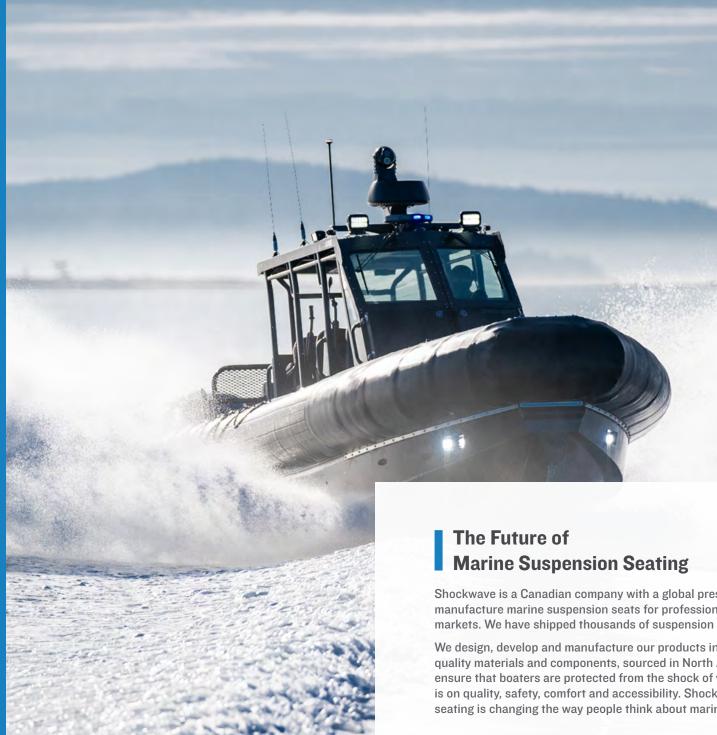
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Shockwave is a Canadian company with a global presence. We design and manufacture marine suspension seats for professional and recreational markets. We have shipped thousands of suspension seats since 2001.

We design, develop and manufacture our products in Canada using premium quality materials and components, sourced in North America and Europe, to ensure that boaters are protected from the shock of wave impact. Our focus is on quality, safety, comfort and accessibility. Shockwave marine suspension seating is changing the way people think about marine suspension.

The Shockwave Product Lines









- Affordable suspension for recreational boaters
- Simple install and fits virtually any boat
- Easily mounted on a riser box or pedestal
- Compatible with most boat seats
- Adjustable air sprung shock absorber
- Superior corrosion resistance
- Marine grade aluminum









- **⊘** For commercial and professional applications
- Offered in Helm or Jockey Seat style
- Most often mounted on riser boxes
- Designed for moderate to heavy sea conditions











- ▼ For professional and military applications
- Offered in Helm or Jockey Seat style
- Deck mounted seats with optional storage
- ✓ Ideal for open RHIBs or cabin boats
- Used for the most demanding sea conditions and high speeds









Integrated Control Environment

- Military, law enforcement and rescue applications
- Suspends occupants, controls and electronics in a single unit
- Military-grade shock protection from all directions
- ☑ Driver and crew experience less fatigue and wave impact injury
- Patented Shockwave designed product





VIMAS LITE & PRO

- crew and vessel
- Crew and hull integrated monitoring
- **⊘** Daylight readable display, fully dimmable for night operations
- Impact data recorded for review and analysis.
- Encrypted data downloading via USB and viewing on secure software platform

OVERVIEW

PRODUCT



Vessel Impact Motion Monitoring System



Vessel Impact Motion Monitoring System

Our Most Popular Recreational & Professional Accessories



Recreational Product Line

Sentinel Suspension Base

& Commander Seats



Sentinel Suspension Module





Commander Seats

Popular Recreational Accessories



Popular Jockey Accessories

Height Adjust

Quick Release Track Mounts

Height Adjust

Seatbelts



Adjustable Footrest

Popular Helm & Drop-Down Seat Accessories

Fore/Aft Slide

with Gauge

Jockey Grabrails - front & rear low • high • wide

Track

Handgrips

Footrest on Drop Down Seats





aluminum bracket



Helm & Crew Seats

Drop-Down Helm Seats



S2 Flip Bolster Seats



S3 Helm Seats with Storage







S2 & S3 Drop-Down Bulkhead Mounted Seats



S3 Drop-Down Bolster Seats



Jockey Seats

S3 Lightweight Single Jockey Seats



S3 Lightweight Dual Jockey Seats



S2 Jockey Seats



S5 Jockey Seats



ICE

Integrated Control Environment

ICE3 Two-Person | Four-Person with 2nd row dash Five-Person | Six-Person



ICE4 - Six-Person



ICE5 - Two-Person



Specialty ICE Console



Specialty Products



S4 Helm Seat Control Pod



S3 Jockey Seat Control Pod



S3 Lightweight High-Back Jockey Seat



G-Force S3 Drop-Down Seat











Professional Product Line

Helm & Crew Seats | Drop-Down Seats | Jockey Seats | ICE Consoles | Specialty Seats | VIMMS

S2 Suspension



6in / I50mm suspension travel

Commercial and professional applications

✓ Moderate to heavy sea conditions and high speeds

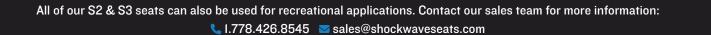
S3 Suspension



8in / 200mm suspension travel

Professional and military applications

The most demanding sea conditions and high speeds





Professional Product Line

Helm & Crew Seats







S2 Helm Seat

Mid-Back: SW-S2-I200 | High-Back: SW-S2-I300

Our best-selling S2 helm and crew seat offers unparalleled ergonomics for comfort and performance. This helm seat can be mounted on a seat riser, storage box or even bulkhead mounted. Commonly used on cabin boats for moderate to heavy sea conditions.

Our S2 helm seat is available in a mid-back or a high-back version for extra head and neck support.

Mid-back seat shown with deck mount. high-back seat shown with deck slide. This seat is available with extra-wide armrests and custom upholstery.

Available with height adjust: SW-S2-I200-HA | SW-S2-I300-HA











S2 Flip Bolster

Mid-Back: SW-S2-I201 | High-Back: SW-S2-I301

This seat offers a flip bolster, enabling occupants to sit or stand while providing superior ergonomics and performance. With its low seat mounting height, the S2 helm seat fits on top of a seat riser or storage box mount in place of traditional truck seats.

The S2 flip bolster it is a popular choice for cabin and T-top applications. For the helm and nav operators, the optional fore/aft slide and height adjust ensure compliance and comfort for a full range of occupants.

Mid-back seat and high-back seat shown with deck slide. This seat is available with extra-wide armrests and custom upholstery.

Available with height adjust: SW-S2-I20I-HA | SW-S2-I30I-HA







S2 Helm & Crew Seat - Vessel and Product Application

S2 Helm & Crew Seat – Vessel and Product Application



S3 Helm Seat with Storage

Mid-Back: SW-S3-I204 | High-Back: SW-S3-I304

Our comfortable S3 helm and crew seat paired with our performance-leading S3 suspension; This seat is available with a deck or bulkhead mount and commonly used in cabin boats for the most demanding sea conditions. The storage box below can be utilized for stowing and protecting personal effects.

Mid-back and high-back seat shown with hatch, deck mount, footrest and hand grips. This seat is available with extra-wide armrests and custom upholstery.

Available with height adjust: SW-S3-I204-HA | SW-S3-I304-HA











S3 Flip Bolster with Storage

Mid-Back: SW-S3-I20I4 | High-Back: SW-S3-I30I4

This helm seat is a versatile flip-up bolster for seated or standing occupants, paired with our performanceleading S3 suspension. It is commonly used in cabin boats for the most demanding of conditions. The storage box below can be utilized for stowing and protecting personal effects.

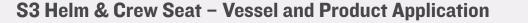
Mid-back and high-back seat shown with hatch, deck mount and footrest. High-back seat shown with hand grips. This seat is available with extra-wide armrests and custom upholstery.

Available with height adjust: SW-S3-I20I4-HA | SW-S3-I30I4-HA

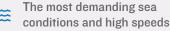




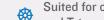


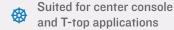


Suited for center console and T-top applications

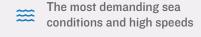


Military missions, law enforcement pilot & patrol boats





S3 Helm & Crew Seat – Vessel and Product Application





S2 TRAVEL 6IN



S2 & S3 Drop-Down Bulkhead Mounted Seat

With S2 Suspension:

Mid-Back: SW-S2-I202-BM | High-Back: SW-S2-I302-BM

With \$3 Suspension:

Mid-Back: SW-S3-I202-BM | High-Back: SW-S3-I302-BM

This drop-down bulkhead mounted helm seat allows the user to sit or stand while offering superior comfort in both positions. It is commonly used in cabin boats and T-top applications. The bulkhead mount provides a clean installation free of trip hazards.

Equipped with a 6-inch (S2 seat) or a 8-inch (S3 seat) travel FOX Float H20 custom-tuned and fully adjustable shock absorber. Developed in tandem with FOX Defense and designed for outdoor marine applications.

This seat is available as a mid-back and high-back seat. It is available with extra-wide armrests and custom upholstery, and with a foldable footrest.













S3 Drop-Down Bolster Seat

Mid-Back: SW-S3-TI202 | High-Back: SW-S3-TI302

The drop-down bolster is our most popular and versatile helm seat. With a simple pull handle the drop-down bolster converts from a seated to standing bolster. When equipped with the integrated folding footrest (optional), the footrest stows & deploys automatically with the base cushion. The optional bulkhead mount provides a clean installation free of trip hazards.

Applications include center console RHIBs for the most demanding users and applications. Shockwave's dropdown bolster is also the workhorse of the USCG fleet with over 1500 units in service on the Response Boat Small II.

Equipped with an 8-inch travel FOX FLOAT H20 custom-tuned and fully adjustable shock absorber. Developed in tandem with FOX Defense and designed for outdoor marine applications.

Mid-back and high-back seat shown with deck slide and footrest. This seat is available with extra-wide armrests and custom upholstery.





S2 & S3 Drop-Down Bulkhead Mounted Seat - Vessel and Product Application



S3 Drop-Down Bolster Seat - Vessel and Product Application









S3 Lightweight Single Jockey

SW-S3L-2410

Shockwave's S3 lightweight Jockey seats are built for the most demanding applications. These next generation Jockey seats feature improved performance while reducing weight by 20%. Shockwave was the #I seat as tested independently by the UK-MOD, lasting over 60% longer to Whole Body Vibration Limit than the next best seat.

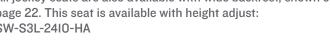
The quick release track system and quick connect height adjust maximize versatility and offer mission-specific configurations. Suitable for high-speed RHIBs, boarding operations and tactical craft.

Equipped with an 8-inch travel FOX Float H20 custom-tuned and fully adjustable shock absorber. Developed in tandem with Fox Defense and designed for outdoor marine applications.

Seat shown with front and rear grab rails and deck mount.

All jockey seats are also available with wide backrest, shown on page 22. This seat is available with height adjust: SW-S3L-2410-HA



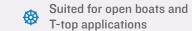




S3 Jockey Seat – Vessel and Product Application



Military missions, special forces, SAR applications, law enforcement & border patrol



The most demanding sea conditions and high speeds



Professional Product Line

Jockey Seats



S3 Lightweight Dual Jockey

Dual Jockey with Non-Folding Front Seat and Folding Back Seat: SW-S3LD-24I0 with SW-00-24I3-FM

8IN I

Dual Folding Jockey Seat: SW-S3LD-24I3 with SW-00-24I3-FM

A lightweight and efficient use of space that is ideal for open RHIBs. The non-folding front seat is a great helm/nav. seat and can be paired with height adjust and grab rails.

The SW-S3LD-24I3 with SW-00-24I3-FM dual folding seats are designed for boarding teams and multi-role boats. Both the forward and aft seats fold down to clear the deck and maximize your workspace. A robust integrated latch ensures the seat stays in the stowed position. For a truly multi-role boat, Shockwave's optional quick release track mounts allow seats to be reconfigured or removed.

Equipped with an 8-inch travel FOX Float H20 custom-tuned and fully adjustable shock absorber. Developed in tandem with Fox Defense and designed for outdoor marine applications.

Seats shown with front and rear grab rails and deck mounts.

All jockey seats are also available with wide backrest, shown on page 22. These seats are available with height adjust: SW-S3L-2413-HA







S3 Lightweight Rear Jockey

SW-00-2413-FM

The fold-down Jockey seat (down rather than up) reduces catch points, is more compact and leaves the handrail accessible whether the seat is deployed or stowed. An easy to operate robust latch ensures the seat stays in the stowed position.

Available with footrest, quick release track mounts, quick connect height adjust, armrests, and the ability to mount on the back of any of the seats in the S3 product line.

Equipped with an 8-inch travel FOX Float H20 customtuned and fully adjustable shock absorber. Developed in tandem with Fox Defense and designed for outdoor marine applications.

Seat shown with seatbelt.

All jockey seats are also available with wide backrest, shown on page 22.

SHOCKS BY FOZ







S3 Jockey Seat - Vessel and Product Application



SHOCKWAVE

SEATS







S3 Lightweight Single Folding Jockey

SW-S3L-2413

Designed for boarding teams and multi-role boats, this versatile Jockey seat folds down to clear the deck and maximize your workspace. A robust integrated latch ensures the seat stays in the stowed position. For a truly multi-role boat, Shockwave's optional quick release track mounts allow seats to be reconfigured or removed.

Equipped with an 8-inch travel FOX Float H20 custom-tuned and fully adjustable shock absorber. Developed in tandem with Fox Defense and designed for outdoor marine applications.

Seat shown with grab rail and deck mount.

All jockey seats are also available with wide backrest, shown on page 22. This seat is available with height adjust: SW-S3L-2413-HA

See dual mounting option on page 18.







S3 Lightweight Jockey with Storage

Dual Jockey Seat with Storage and Folding Back Seat: SW-S3LD-24I4 with SW-00-24I3-FM

Single Jockey Seat with Storage: SW-S3L-2414

This seat is ideal for open boat layouts. The storage compartment is accessed by lifting the folding Jockey cushion.

Optional spring-loaded Folding Footrests allow occupants to isolate their feet from heavy impacts on the deck.

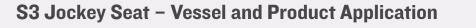
Equipped with an 8-inch travel FOX Float H20 customtuned and fully adjustable shock absorber. Developed in tandem with Fox Defense and designed for outdoor marine applications.

Seats shown with grab rails, footrest and deck mounts.

All jockey seats are also available with wide backrest, shown on page 22. This seat is available with height adjust: SW-S3L-24I4-HA



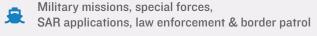


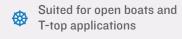


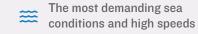
Suited for open boats and T-top applications

The most demanding sea conditions and high speeds









SEATS









S2 Low-Profile Jockey Seat

SW-S2-2400-LP

This low mount, compact and lightweight Jockey seat is designed for installation on top of seat riser storage boxes. It is available with fore-aft slide and height adjust to accommodate a broad range of occupants.

Choice of the Canadian Coast Guard's fleet of 7m SAR RHIBs and UK MOD Offshore Raiding Craft.

Equipped with a 6-inch travel FOX FLOAT H20 customtuned and fully adjustable shock absorber. Developed in tandem with FOX Defense and designed for outdoor marine applications.

Seat shown with deck mount, riser box and deck slide.







S5 Jockey Seat

SW-S5-2400

The S5 Jockey seat is one of our most compact solutions and is ideal for refits and RHIBs. It offers solid performance in an affordable, lightweight and compact package. The S5 Jockey is outfitted with an integrated suspension and seat frame to minimize weight. Equipped with a 4-inch (100 mm) FOX Float H20 air sprung shock, it features on-the-fly adjustments for firmness and rebound rate.

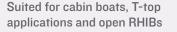
Seat shown with optional grab rail.

- Designed for comfort and durability in outdoor and saltwater conditions
- Seat cushions are made with closed-cell foam and heavy-duty black fabric, well suited to recreational RHIB or commercial applications.
- Easy to install
- Optional front & rear grab rails available
- This seat needs to be mounted to a riser box to provide the height needed for a comfortable ride.
- Custom aluminum riser box can be special ordered.

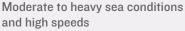




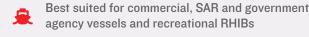


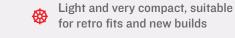














SHOCKS BY FOX



Shockwave ICE3 Integrated Control Environment

The Shockwave ICE3 is a unique suspension console ideal for high speeds and critical missions. Patented, triple-axis suspension protecting occupants from all directions, I2-inch FOX Megafloat H20 racing shock absorbers and AUTOTUNE functionality for making adjustments while travelling at high speeds.

The ICE3 is a versatile marine suspension console that incorporates military-grade design and components. The ICE3 comes with a roof to protect occupants from weather, but can also be delivered without a roof.







ICE Consoles – Integrated Control Environment



Shockwave ICE (Integrated Control Environment) Consoles are the world's only triple-axis, fully suspended marine shock mitigation seating system. These patented suspension consoles allow crews to easily operate controls and electronics while underway at speed. In addition, the ICE provides protection for occupants and sensitive electronics from high speed wave impacts. Our ICE Consoles are a culmination of 20 years of research, development and testing of Shockwave technology.

ICE3 Features

SHOCKWAVE

SHOCKWAVE ICE3 Six-Person on Titan Raptor RHIB

- Triple-Axis Suspension **Dampens Wave Impact**
- ✓ Integrated Welded **Aluminum Construction**
- Race Proven 4 Link Suspension with Large Anti Roll Bar
- I2" FOX Megafloat Suspension **AUTOTUNE** Automatic Shock Adjustment
- Optional Front Mount Gunner or Spotter Seat on Quick Connect Mount
- Excellent Ergonomics and **Crew Communication**

- Superior Shock & Vibration **Protection for Crew and Equipment**
- Occupant Moves with Controls for Ease and Accuracy of Operation
- Improved Economy of Weight, Space and Equipment Integration









ICE3 Four-person with 2nd Row Dash SW-ICE3004R



ICE Patents

The Shockwave ICE has multiple international patents on our suspended cockpits, triple-axis suspension and linkage, as well as our sliding and pivoting attachments. Decades of design, testing, and engineering have brought Shockwaveto the forefront of marine suspension and we have been integrated into several elite and restricted military vessels.

- CA No. 2,831,150
- EU No. 12763187.7
- US No. 9,016,226
- AU No. 2016228135
- CA No. 2,975,911
- EU No. 16758394.7
- US No. 9,422,039







Shockwave Specialty ICE Console

The ICE's triple-axis shock mitigation protects

Shockwave 'Specialty' Integrated Control Environments (ICE) - suspended cockpits are tailored to mission and vessel specific requirements.

The ICE shown on this page was designed to fit an enclosed cabin with the helm & navigator forward and remote weapons or workstations in 2nd row. Folding worktables at the 2nd row console make for an effective working area regardless of the sea conditions.

the occupants and sensitive electronics, housed in the forward compartment.

Contact Shockwave with your specialty requirements.











Shockwave ICE5 Integrated Control Environment

Shockwave's new ICE5 Console is designed to provide the ultimate in shock mitigation to elite military organizations around the globe. The ICE5 is a patented product, specifically designed for tactical multi-mission operations.

It offers a triple-axis suspended cockpit that enables the crew to operate and monitor vessel systems throughout the vessel's full range of operating parameters. In addition to providing comfort and protection to the crew, the ICE5 also protects sensitive electronics from wave impact when operating at high speeds in heavy seas.



ICE5 Features

- Triple-Axis Suspension **Dampens Wave Impact**
- Integrated Welded **Aluminum Construction**
- Race-Proven 4 Link Suspension with Large Anti Roll Bar
- I2" FOX Megafloat Suspension **AUTOTUNE** Automatic Shock Adjustment
- Optional Front Mount Gunner or Spotter Seat on Quick Connect Mount
- Excellent Ergonomics and **Crew Communication**

- Superior Shock & Vibration **Protection for Crew and Equipment**
- Occupant Moves with Controls for Ease and Accuracy of Operation
- Improved Economy of Weight, Space and Equipment Integration







Mid-Back: SW-S2-I200-HM-FF High-Back: SW-S2-I300-HM-FF

The S2 High Mount seat is a direct replacement for traditional pedestal mount seats. With the suspension tucked in under the seat it fits within the same space envelope but with the superior proven performance of the linear guide suspension module.

Available with a standard deck mount or with mounting plate to fit industry standard pedestal bases for quick

These seats include height adjust, a folding footrest and a seat slide. Seat shown with optional deck mount.



Professional Product Line

Specialty Seats & Products

Over the last 20 years Shockwave has built an extensive library of custom and semi-custom seats. From minor modifications to our standard seats to complete bespoke seating solutions, Shockwave specializes in design and manufacturing of vessel and mission specific seats. These solutions may include folding backrests, side mounted seats, worktables or armrest mounted controls. If you don't see what you are looking for, please contact Shockwave with your custom requirements.







S3 Jockey Seat Control Pod

SW-S3-6404

The Jockey Control Pod offers an 8-inch travel FOX Float H20 shock absorber with ACCURIDE. Our patented load stabilization second shock system eliminates racking and allows our pods to perform perfectly with high instrument or control payload.















S4 Helm Seat Control Pod

SW-S4-6404

Tested and proven with our most demanding clients, the durable S4 Helm Control Pod offers a I2-inch travel FOX Float H20 shock absorber with ACCURIDE. Our patented load stabilization second shock system eliminates racking and allows our pods to perform flawlessly with a high instrument or control payload.









S3 Lightweight High-Back Jockey Seat

SWP-II77A

Designed for the helm/nav. seat on center console RHIBs, this hybrid seat combines the benefits of the lightweight compact Jockey seat with additional support of a high-back and armrests.

Optional equipment including height adjust, fore/aft slide, footrests, quick release track mounts and armrest mounted controls allow users to tailor the seat to best suit their application.

Equipped with an 8-inch travel FOX Float H20 custom-tuned and fully adjustable shock absorber. Developed in tandem with Fox Defense and designed for outdoor marine applications.

Seats shown with armrests, hand grips, armrest control mount, deck mount, and under-seat storage.

Available with height adjust: SWP-II77A-HA











G-Force S3 Drop-Down Seat

With nearly 2000 units in active service on the USCG-RBS-II and hundreds of other applications, the drop-down G-Force is a proven winner for performance and durability. This seat comes with a strong marine grade aluminum backing. The inexpensive field replaceable upholstery covers reduce the cost of ownership and will keep the seat looking great throughout its service life. The bolt-on kidney bolsters accommodate law enforcement officers with belt mounted equipment and PPE. The NASCAR-proven Visco-Elastic energy absorbing foam reduces point loading, thus providing long range comfort.

Tailor your seat to best fit your vessel and application with our extensive options: The Shockwave G-Force seat is available as a drop-down, flip-up and fixed seat bottom model. Contact Shockwave for more information.

Seat shown with hand grips and deck mount.







FOZ

53



Bulkhead Mount Folding Troop Seat



With S2 Suspension

SW-S2-5603





Without S2 Suspension SW-00-5603

Wall Mount Folding Seat

53

Versatile Wall Mount Folding Seats fold away when not in use. They provide full body suspension when deployed. Equipped with an 8-inch travel FOX Float H20 custom-tuned and fully adjustable shock absorber. This seat is available in port and starboard configurations.

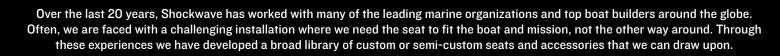


S3 Lightweight Quick Connect Jockey **Swivel Boarding Seat**

The boarding pole holder seat packs a ton of features into a lightweight and compact package. This quick release/track mounted seat is equipped with a 360 degree swivel that features a handsfree swivel release/lock for quick and easy adjustment. Innovative quick connect seat pan for height adjust and ability to move the seat to secondary positions on board. This seat can also be mounted to the front of the ICE5 Console for boarding over the bow.







Please contact Shockwave and we will work with you on a customized solution to meet your requirements.

V/////S Lite

Vessel Impact & Motion Monitoring System

Lite Version

VIMMS Vessel Impact and Motion Monitoring System is designed as a direct response to the maritime industry's requirement to monitor crew and vessel levels of shock and vibration during operations.

A complete vessel and crew health monitoring solution designed to aid operators and program managers in monitoring, managing and extending the health and well-being of both personnel and maritime assets. VIMMS is configured to measure and record acceleration exposures to critical components and crew.



Remote Equipment Sensor(s)

- Hull, Electronics, Propulsion
- Measures impact



Vessel Monitoring Unit



Remote Seat Sensor(s)

 Measures impact • Integrated with shock mitigated seat

V//MS Pro





Standalone Display or Integration with Multi-Function Display

Vessel Impact & Motion Monitoring System

Professional Version

- Individual crew metrics
- ✓ Live display of vessel impact levels
- Crew health warning based on individual impact dosage
- Automatic crew seat tracking
- Historic data charts



RFID Reader(s)

· Records occupant info • One per seat



Remote Equipment Sensor(s)

• Hull, Electronics, Propulsion Measures impact



Remote Seat Sensor(s)

 Measures impact and travel Integrated alert button • One per seat



Secure Server

• Secure Server Storage (optional)

VIMMS Lite Features

- Crew and hull integrated monitoring
- Impact data recorded for review and analysis with up to 2 years of memory
- Real-time monitoring provides situational awareness of crew and vessel
- Customizable limit indicators
- External sensors for seats and hull mounting
- Compact flush mounted dashboard unit with integral GPS

- ✓ Triple-axis, +/- 24g acceleration sensors
- Data download via USB for viewing on secure software platform
- System continues to record when the display is turned off

VIMMS Pro Features

- Crew and hull integrated monitoring
- Customizable limit indicators
- Impact data recorded for review and analysis
- Up to 6 months of memory, can be upgraded to 2 years

- Universal retrofit kits for popular shock mitigating seating suppliers/models
- Secure online portal and servers for operational/program platform
- ✓ GSM (cellular) real-time data transmission with NIST-compliant data security
- Real-time monitoring provides situational awareness of crew and vessel
- Crew tracking identifies in real-time which user is in which seat
- Autonomous seat sensing and tracking automatically logs individual time and exposure in seat)

Helm & Crew Seats Options & Accessories







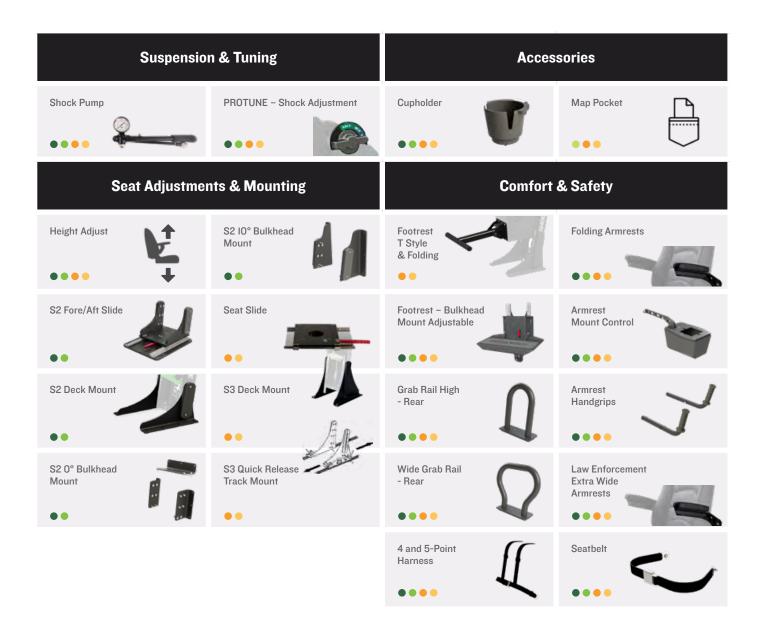
S2 Flip Bolster



S3 Helm Seat with Storage



S3 Flip Bolster with Storage



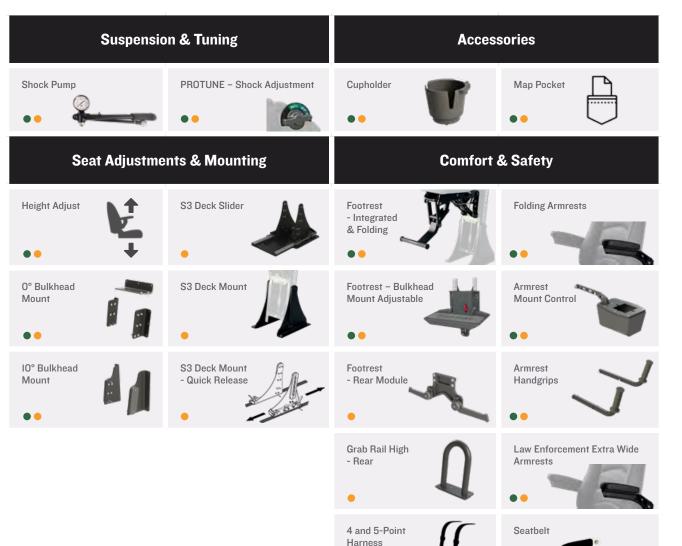
S2 S3 Drop-Down Seats Options & Accessories



S2 Drop-Down
Bulkhead Mount



S3 Drop-Down Seat



S2 53 Jockey Seats Options & Accessories

S2 0° Bulkhead

S2 IO° Bulkhead



S5 Jockey



S2 Jockey



S3 Lightweight Single Jockey



S3 Lightweight **Dual Jockey**



S3 Lightweight **Jockey with Storage**

Seat Adjustments & Mounting



Height Adjust

Quick Connect Height Adjust

Jockey Seat Slide

Comfort & Safety















Armrest Control



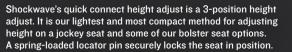




Accessories



Quick Connect Height Adjust





Shockwave Product Parts

Shockwave has the service and support to keep your seats in excellent condition throughout their service life. Shockwave can refurbish seats at our facility or can send a Shockwave Technician to you. Training programs are available to provide general repair and maintenance instruction.

Professional parts (S2 & S3 helm, jockey & drop-down seats, specialty products & ICE) are sold directly through Shockwave's parts & service department.

Recreational product parts can be ordered through our parts & service department or in our online shop.

Contact our parts & service department:

1.778.426.8544

support@shockwaveseats.com



Support and Service

Everyone at Shockwave Marine Suspension Seating is passionate about what we do, whether it's getting out on the ocean, manufacturing products, or providing exceptional customer service. We can help you troubleshoot through email or phone. Real humans helping real people.

Contact our support & service department:

1.778.426.8544

support@shockwaveseats.com



Professional

Professional																		
Droduct Metrix		Helm & Crew Seats										Jockey						
Product Matrix	SW-S2-1200 & SW-S2-1300	SW-S2-1201 & SW-S2-1301	SW-S2-1200-HM-FF & SW-S2-1300-HM-FF	SW-S3-I204 & SW-S3-I304	SW-S3-I2014 & SW-S3-I3014	SW-S2-1202-BM & SW-S2-1302-BM	SW-S3-TI202 & SW-S3-TI302	SW-S2-2400	SW-S5-2400	SW-S3L-2410	SW-S3L-2413	SW-00-2413-FM	SW-S3L-2414	SW-S3LD-2414 with SW-00-2413-FM	SW-S3LD-2410 with SW-00-2413-FM	SW-S3LD-2413 with SW-00-2413-FM	SWP-II77A	
SUSPENSION & TUNING																		
Shock Pump	~	~	~	~	~	~	~	~	~	~	~		~	~	~	~	~	
Protune (Module Mount)	~	~				~		~										
Armrest Protune (Port or Stbd)	~	~	~	~	~	~	~											
COMFORT & SAFETY																		
Footrest - Folding						~									~			
Footrest - T Style Folding				~	~													
Footrest - Bulkhead Mount	~	~		~	~	~	~											
Footrest - Rear Module Non-Suspension				~	~		~											
Footrest - Jockey Pod													~					
Armrest Assembly	~	~	~	~	~	~	~	~										
Armrest Control Mount (Port or Stbd)	~	~	~	~	~	~	~	~										
Armrest Control Mount (Port or Stbd) - Large	~	~	~	~	~	~	~	~										
G-Force Cast Armrest Handgrip Port / Stbd	~	~	~	~	~	~	~	~										
Grab Rail Low	~	~	~	~	~	~	~	~	~									
Grab Rail High	~	~		~	~	~	~	~										
Grab Rail Wide	~	~				~		~										
Jockey Front Grab Rail - Narrow								~		~								
Jockey Front Grab Rail - Wide								~	~	~			~					
Lapbelt	~	~		~		~	~	~	~	~								
4-Point Seatbelt Harness	~	~		~	~	~	~											
Dual Mount Rear Seats												~		~	~	~		
Folding Jockey Seat											~	~		~	~	~		
Fixed Jockey Seat								~	~	~			~	~	~		~	
Lightweight Folding Jockey Front Mounted												~		~	~	~		
Lightweight Folding Jockey Quick Connect Front Mounted												~		~	~	~		
ACCESSORIES																		
Cup Holder	~	~	~	~	~	~	~	~										
Map Pocket	~	~	~	~	~	~	~											

		Helm	& Crew	Seats		Drop-	Down	Jockey										
	SW-S2-1200 & SW-S2-1300	SW-S2-1201 & SW-S2-1301	SW-S2-1200-HM-FF & SW-S2-1300-HM-FF	SW-S3-1204 & SW-S3-1304	SW-S3-I2014 & SW-S3-I3014	SW-S2-1202-BM & SW-S2-1302-BM	SW-S3-TI202 & SW-S3-TI302	SW-S2-2400	SW-S5-2400	SW-S3L-2410	SW-S3L-2413	SW-00-2413-FM	SW-S3L-2414	SW-S3LD-2414 with SW-00-2413-FM	SW-S3LD-2410 with SW-00-2413-FM	SW-S3LD-2413 with SW-00-2413-FM	SWP-1177A	
SEAT ADJUSTMENT & MOUNTING																		
Height Adjust	~	~		~	~	~	~	~		~	~	~	~	~	~	~	~	
Seat Slider				~	~					~								
Deck Mount	~	~		~	~			~		~			~	~	~	~	~	
Deck Mount - Tall - Offset				~	~		~											
Deck Mount - 10°				~	~		~										~	
Deck Mount - 10° - Tall							~											
Deck Mount - 200mm				~	~													
Deck Mount - Reversed	~	~						~										
Deck Mount - Reversed - Short								~										
Deck Mount - Inverted								~										
Deck Mount Dual - IO°				~	~									~	~	~		
Deck Mount Dual - 200mm				~	~													
Deck Mount Dual - Tall							~											
Deck Slide		~				~												
Deck Slide - Tall							~											
Deck Slide Dual							~											
Quick Release - 200mm or 320mm Spacing				~	~					~			~	~	~	~	~	
Quick Release - Tall - Offset							~											
Quick Release - I0° - Tall				~	~													
Dual - Quick Release - 200mm or 320mm or 340mm Spacing				~	~		~							~	~	~	~	
Dual - Quick Release - Tall - 320mm							~											
Bulkhead Mount - 0°	~	~		~	~	~		~										
Bulkhead Mount - 5° or IO°	~	~				~		~										
Bulkhead Mount - IO° - With Top Bracket	~	~				~		~										
Deck Swivel - Jockey										~							~	

Recreational Product Line

Sentinel Suspension Base | Commander Seats | S5 Jockey Seat | Recreational Accessories





The Shockwave Sentinel suspension base comes with a 4-inch (I00mm) travel FOX Float H20 airsprung shock. It is easily installed in virtually any boat and can be paired with almost any seat. The Shockwave Sentinel can be mounted on a riser box or a short, stocky pedestal with minimal effort.



SHOCKWAVE \$5 SENTINEL

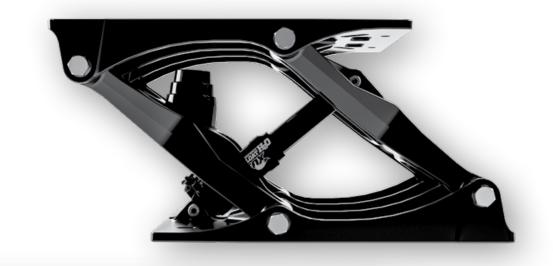
Features

- Surge protection: suspension travel is 4" (100mm) vertical and I.5" (38mm) forward mitigating deceleration from wave impact
- Fully adjustable Shockwave FOX FLOAT H20 shock absorber for all payloads and sea conditions
- Corrosion resistant: A360 marine grade aluminum, anodized finish, powder coating, nylon isolators between all non-similar metals.
- 316 stainless steel hardware
- High life cycle IGUS bushings
- Superior lateral stability with new 4-link design
- Stable 8 pivot design for higher loads and a smoother ride

Benefits

- Easy to install
- Can be paired with almost any seat with a common bolt pattern
- Adjustable compression and rebound rate
- Minimal parts count and simple construction
- Designed and manufactured in Canada

The maximum occupant weight for the Sentinel suspension base is 250 to 300lbs (II3 to I36 kg) depending on speed and sea conditions.





Black: SW-07823-B, White: SW-07823-W

Shockwave Recreational

Accessories



Swivel Slide sw-05488

This Swivel Slide system has 5" (127mm) of fore-aft travel and features premium track and cars for smooth operation. The 360-degree swivel has 16 positions and a positive lock that engages every 22.5°.



Swivel sw-05592

This robust 360-degree swivel is designed to pair with the Sentinel suspension base and the Commander seat. It has has I6 positions and a positive lock that engages every 22.5°.



Slide sw-05489

Our purpose-built slide offers a full 5" (I27mm) of fore-aft travel, allowing for comfortable seating options for a wide variety of occupants and users. Our slide pairs perfectly with the Sentinel suspension base and the Commander seat.

RECRE

Shockwave Recreational Accessories

Shockwave accessories are designed to fit to Shockwave Commander seats and may not fit to off-brand marine seats. Please review the bolt pattern drawings on the spec sheets to ensure your seat bolt pattern will work with Shockwave accessories or consider an adapter system.



Shock Pump sw-01983-PKG

The high-pressure shock pump features an integrated pressure gauge and bleed valve for simple adjustment with a maximum inflation pressure of 350 psi. You will need a Shockwave Shock Pump in order to operate your Sentinel suspension base.



Custom Riser Boxes

6" SW-0725I I 9" SW-07920

Shockwave offers pre-drilled 6" (150mm) and 9" (230mm) riser boxes for customers needing additional height below their Sentinel suspension base. Other custom sizes can be ordered.



Bulkhead Mount Adjustable

Footrest sw-07507

Our height adjustable folding footrest has 6" (152mm) of travel and is foot operated for ease of use. It offers a stable platform 17" (43mm) wide and is designed to be bulkhead mounted on a console.



Cup Holder with Aluminium

Bracket sw-01688

An optional cupholder is available for the Shockwave Commander seat. It can be attached to either side of the armrest with a black aluminum bracket. Available in black, this cupholder will hold your coffee, a can,

or a generous sized cup or bottle.



5"xI2" Seat Adapter Kit sw-08290

The SW-08290 adapter kit allows users with non-Shockwave brand seats that have a 5"xl2" (I27x305mm) bolt pattern to fit to Shockwave swivels and slides. The adapter kit accommodates both upward and downward bolt patterns.



Shock Extender Kit sw-08397

The Shockwave Sentinel shock extender kit will allow you to raise your suspension base I.5" (38mm), which means that you can lift the height of the suspension base from 8.5" to IO" (216mm to 254mm).



To request replacement parts for our recreational line of suspension products and seats, please contact us at support@shockwaveseats.com



Commander Seat - High-Back

SW-06328-B • -W • -HD

This seat is perfect for long days on the water when neck and head support is preferred.



S5 Jockey Seat

SW-S5-2400

The S5 Jockey seat offers solid performance in an affordable, light-weight and compact package. It is well suited for recreational RHIBs or commercial applications. Find more information on page 23.



Commander Heated Seat

SW-06987

This seat offers both a heated back and base cushion, ensuring the occupant really feels the warmth. The cushions will heat up to a pleasant 98°F (38°C), ensuring a comfortable trip in the winter months and shoulder seasons in northern climates.



Commander Seat - Mid-Back

SW-04920-B • -W • -HD

Designed to pair perfectly with the Sentinel suspension base, the Commander is a lightweight, robust boat seat that comes equipped with folding armrests, a storage pocket, machined aluminum seat frames, fiberglass seat backs, closed-cell foam cushions and marine grade vinyl. Custom upholstery colors can be ordered for both the mid-back and the high-back seat.



Shockwave SW-S3L-24I0 Jockey Seats with SW-S3-I20I4 at the helm on Titan Supermax Raptor

We design and manufacture all of our marine suspension products in Canada using military-grade components. Our patented Triple-axis Integrated Control Environment (ICE) console provides unmatched protection and safety, revolutionizing what is possible on the water.

No one tests like Shockave. We are based in the Pacific Northwest and constantly test our products in real-world conditions in some of the most severe seas on the planet. We also conduct comprehensive drop testing and safety analysis in order to develop products that exceed the requirements of elite military organizations internationally.

With ACCURIDE and AUTOTUNE technologies, we are able to provide an added layer of functionality, confidence and ease of use. These integrated systems provide immediate confirmation that the FOX MegaFloat H2O shock is set correctly for your body weight, while allowing for simple adjustments or on-the-fly shifts depending on conditions.

Servicing Clients All Over The World

SHOCKWAVE Marine Suspension Seating has been selected and used in more contracts worldwide than any other seat manufacturer.

customers include:

United States Coast Guard

- Response Boat Small II
- Over the Horizon IV 7m RHIB
- Over the Horizon III 7m RHIB
- TANB 7m Vessel
- Shallow Water 7m Vessel Long Range Interceptor
- Boarding Team Delivery IIm RHIB
- FRC 7m RHIB

United States Customs and Border Protection

33' Boarding Vessel

United States Navy

- Ilm Patrol RHIB
- 7m Patrol RHIB
- Surface Warfare Center Stiletto 30m
- Fast Escort Vessel 20m
- Landing Craft Air Cushion (LCAC)
- Ship to Shore Connector(SSC)

US SOCOM

Combatant Craft Medium

Royal Canadian Mounted Police

• 9m Boarding Team Delivery

Canadian Department of Fisheries and Oceans

7m and 9m Patrol

Canadian Coast Guard

7m SAR boats

Canadian PWC

LAMS 9m Assault

Canadian Navy

Patrol

French Commandos

• 7m

French Customs

• 9m Pursuit German GSG9

• 9m RHIBs

Italian Special Forces

9m Assault

UK Ministry of Defense (MOD)

Swedish Navy

Irish Coast Guard

Irish Navy Finland Navy

Polish Navy

Japan Special Forces

• IIm RHIBs

Indian Ministry of Defense

UAE Navy

• 36m Patrol

Qatar Armed Forces

Lebanese Patrol

• IOm RHIBs

Saudi Arabia Special Forces Royal Jordanian Special Forces

IOm Assault

Australian Volunteer Coast Guard

Brisbane Police

Our Manufacturing **Facility**

We manufacture all of our products on-site in our welding and fabrication shop, our powder coating shop (with a huge 24' oven) and assembly shop. Our engineering department is on site and an integral part of everything we build here. We build thousands of suspension bases and suspension seats every year at our plant in Sidney, Canada, and we deliver our products around the globe.



Welding & Fabrication Shop

Powder Coating







Powder Coating Shop & Ovens

Product Storage & Inventory







Rec Products Assembly Shop Pro Products Assembly Shop Inventory Storage

Proudly North American

Shockwave products are welded, assembled, painted, and built in North America with materials supplied from our high-quality, high-performance partners; FOX Defense, Corbin Seats, Speedway Engineering, IGUS and BSCI Energy Management Systems, to name a few. Customers can be assured of the finest quality and workmanship.



Shockwave Partners



Corbin





55

The Northwest Passage

Testing Under Real-Life Conditions

In 2001, Shockwave's founder David Smith travelled from Vancouver Island to Alaska in his 24' aluminum boat. For this trip, he developed a prototype suspension boat seat for his rough journey using his experience in race car suspension technology.

With his new suspension technology, David was able to travel so fast in rough seas that he outran the US Coast Guard along the way, catching their attention. This was the beginning of Shockwave Seats - a marine suspension technology company.

Nine years later, David embarked on another adventure, using it as an opportunity for product testing and proof of concept. He left St. John's Newfoundland in an open RHIB outfitted with his new ICE Console, to circumnavigate the Northwest Passage with fellow adventurer Bear Grylls.

This trip was only possible because of David's years of marine suspension seating development and his newest design, the Shockwave ICE (Integrated Control Environment).

This trip tested the new ICE Console and pushed it to its limits. This was the truest way to test Shockwave's technology - and prove its reliability and performance.

Through harrowing ocean conditions, ice flows, severe storms, and unimaginably rough waters, the Shockwave ICE Console got David and his crew safely and quickly home through the Arctic Circle and back to Vancouver Island. This trip solidified Shockwave's position as the premier marine suspension company in the world.

Watch the documentary Shockwaveseats.com/nwp



Certified Performance

We constantly test and measure our products and have built them to be industry leading. All Shockwave products meet or exceed specifications and requirements for certification in both Canada and the US.

- Shockwave products are capable of mitigating dynamic exposure to levels below acceptable limits, as specified in ISO Standards 263I Part I (1997) and Part 5 (2001); sections I4.4-I4.4.9.3 of ASTM FII66-07, NAVSEA T9006-AE-TRQ-010 and NSWCCD-80-TR-2015/010
- The suspension travel prevents the seat from hitting the suspension stops during an acceleration event 10 times the acceleration of gravity with an occupant up to the 95th percentile male in weight



TESTING

Computer Design & Structural Verification



All of our products are tested on the water



We use SolidWorks Simulation software to analyze millions of variables that may cause stress on the components and parts of all our products



All major components are broken down for validation and tested individually



We perform Drop Testing in-house to verify component strength and suspension performance



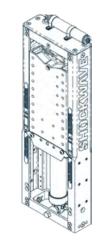




High Load Limits

Our seats are designed to take abuse and are warranted to withstand heavy accelerations with full-occupancy in some of the roughest conditions open water provides.

Shockwave Seats are designed to withstand impacts in multiple directions when occupied by the weight of 5th percentile female to 95th percentile male occupants, including gear; in the case of ICE Consoles and Control Pods, this also includes installed gear and equipment.



100% Non-Ferrous Marine Grade Metals

All SHOCKWAVE products are designed with corrosion prevention in mind, and we use only the best, premium non-ferrous materials available today.

- All aluminum components are grade 5052 or 6061-T6
- Chromate Coated S5 Modules for Increased Corrosion Protection
- Welded and formed components are powder coated to exceed salt spray ASTM specification B-II7 (equivalent to method 509.5 from MIL-STD-8I0G)
- Machined aluminum components are hard anodized to military specification MIL-A-8625, and pass salt fog testing method 509.2 from MIL-STD-8IOG
- 304 and 316 stainless steel is used for all steel brackets and machined components; 304 and 316 stainless steels pass method 2 salt fog testing from MIL-STD-810G

Standard Accuride for All Payloads and Sea Conditions

ACCURIDE is a feature that provides immediate confirmation that the FOX Float H2O shock is set correctly for your body weight. It's an effective and intuitive system that brings the ultimate riding experience to our clients.

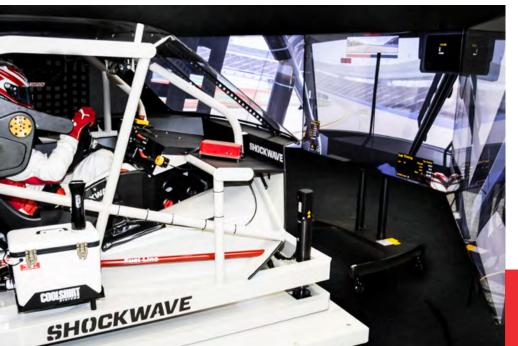




SW-S2-I202-HA-BM on Inventech 3IFCI20-PRO









■ Race Bred Heritage

Shockwave's heritage dates back over four decades to the development, building and supplying of safety products for NASCAR racing vehicles. It was this technology and know-how that led us to develop suspension seats and consoles for marine use. In a move to immerse ourselves in that experience again, we have developed and sponsor the SHOCKWAVE Motorsports Team.

Shockwave has been involved in racing since 1965 and is currently actively participating in TransAm, Late Models, NASCAR. ARCA and Sprint Cars.

Shockwave Motorsports Racing Simulators

The Shockwave Simulator fills the gap between low-cost recreational simulation and limited access, expensive, one-size-fits-all simulators. It is a tool designed for racers and race teams. SHOCKWAVE Simulators come standard with a Howe TA2 Camaro or Mustang chassis. They can also be configured for Late Models or customized to suit any type of racing cockpit.

Shockwavemotorsports.com

Join the **Shockwave** Community







@shockwaveseats



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