



# SHOX5

IMPACT MITIGATION SEATING

2024



# SHOX5

We're here to give you more days on the water.

From the very beginning, Shoxs has offered a distinctive line of technology that allows men and women to operate more safely in the marine environment. Every product we make is intended to support a smoother, safer ride in rough seas.

Our commitment to research and development using real-world problem solving inspires our work in every realm of maritime shock mitigation. As we help to pioneer new strategies for enhancing maritime safety with bold ideas and inspired solutions, we invite you to join us in our work.

Come aboard and discover new ways to monitor, manage, and mitigate impact on the water.

## TABLE OF CONTENTS

<b>INTRODUCTION</b>	<b>1</b>
WHO WE ARE	2
WHAT WE DO	7
WHO WE SERVE	9
<b>SHOX5</b>	<b>10</b>
<b>SHOX5 MILITARY + PRO</b>	<b>12</b>
2000	16
4600	18
4800	20
6100	22
6300	24
<b>JOCKEY SEATS</b>	<b>26</b>
5005	28
5605	30
5050	32
5105	34
5705	36
<b>JUMP SEATS</b>	
8180	40
<b>NON-MITIGATED</b>	
8100	42
<b>ACCESSORIES</b>	<b>46</b>
<b>SHOX5 RECREATIONAL</b>	<b>52</b>
3200 BUCKET	54
HELMCASTER X4	56
HELMCASTER X8	58
SALTCASTER X4	60
SALTCASTER X8	62
SALTCASTER L3	64
HELMCASTER L3	66
<b>PEDESTALS</b>	
X4	68
X8	70
<b>KINETIX</b>	<b>74</b>
<b>APPENDIX</b>	<b>84</b>

# WHO WE ARE



**BRYAN WOOD**  
VICE PRESIDENT - BUSINESS DEVELOPMENT

Bryan oversees the development and execution of major federal boat programs. Prior to Allsalt, Bryan spent time in the US Navy and leading business development at commercial boat builders.



**TONY VAN METER**  
VICE PRESIDENT - SALES

Tony builds relationships with Shoxs' clients and collaborates with strategic industry partners. Tony's background includes the US Coast Guard and marine law enforcement.



**ANDREW HUGHES**  
SALES DIRECTOR - EUROPE

An engineer by training, Andy has worked within the military and commercial boat sector and developed many of the UK MOD military craft. Andy's team supports the Europe, Africa, and Middle East regions.



## GLOBAL PERSPECTIVE. LOCAL ADVANTAGE.

It's our mission to help maritime agencies and boaters around the world access professional impact mitigation products and services. We operate with a global mindset, but act on a local level to ensure our clients enjoy the highest quality products and timely service.

Shoxs is headquartered in Exton, PA, US with regional offices in North America and the UK and supported by a network of dealers around the world. It's our way of ensuring that we can respond quickly to clients' needs, anytime, anywhere.

**2007**  
**US COAST GUARD**  
500-BOAT CONTRACT FOR SEATING ON RESPONSE BOAT-SMALL (RB-S)

**2009**  
**ARMADA DE MEXICO**  
SPECIAL PURPOSE CRAFT: LAW ENFORCEMENT

**2013**  
**US NAVY**  
COASTAL COMMAND BOAT (CCB) AND PATROL BOAT MKVI

**2015**  
**UK MINISTRY OF DEFENCE**  
CONDUCTS STANDARDIZED SEAT TEST, AWARDS 60-BOAT CONTRACT

**2016**  
**US HOMELAND SECURITY**  
OUTFITTED 60 CBP COASTAL INTERCEPTOR VESSELS (CIV)

**2021**  
**ROYAL NATIONAL LIFEBOAT INSTITUTION**  
SELECTS SHOX'S PRODUCTS FOR 44-BOAT REFIT

**2023**  
ACQUIRED BY UNITED SAFETY AND SURVIVABILITY CORPORATION

**2007**  
COAST DYNAMICS GROUP FOUNDED, MIL/PRO SERIES LAUNCHED

**2010**  
LAUNCHED FIRST SEMI-ACTIVE SUSPENSION IN THE INDUSTRY

**2014**  
INTRODUCED SHOXSPRO ADJUSTABLE ISOLATORS

**2016**  
OPENED EUROPE OFFICE

**2018**  
SHOX'S X-SERIES WINS NMMA INNOVATION AWARD

**2019**  
KINETIX SHOCK MONITORING SYSTEMS LAUNCHED

**2020**  
OPENED USA OFFICE

**2022**  
LAUNCHED CASTER SERIES FOR RECREATIONAL BOATERS

# OUR STRENGTHS

## SCIENCE

We are committed to reducing the transmission of shock and vibration to vessel occupants through product design excellence and a deep understanding of physical principles. We use a futuristic approach with the highest level of talent in math, engineering and craftsmanship to lead research and development in marinated impact mitigation technology.

We actively participate in the development of local and global government standards for measuring shock mitigation seat performance because we believe a scientific approach to impact evaluation will lead to technical innovations and a safer work environment.

## SAFETY

We specialize in products that support a safer ride in rough seas. If it isn't solving a real need or making a measurable difference for operators, we don't do it. We are pioneers, not settlers. We take a modern, scientific approach to shock mitigation. We partner on engineering projects both inside and outside of the maritime industry, introducing best practices from adjacent industries.

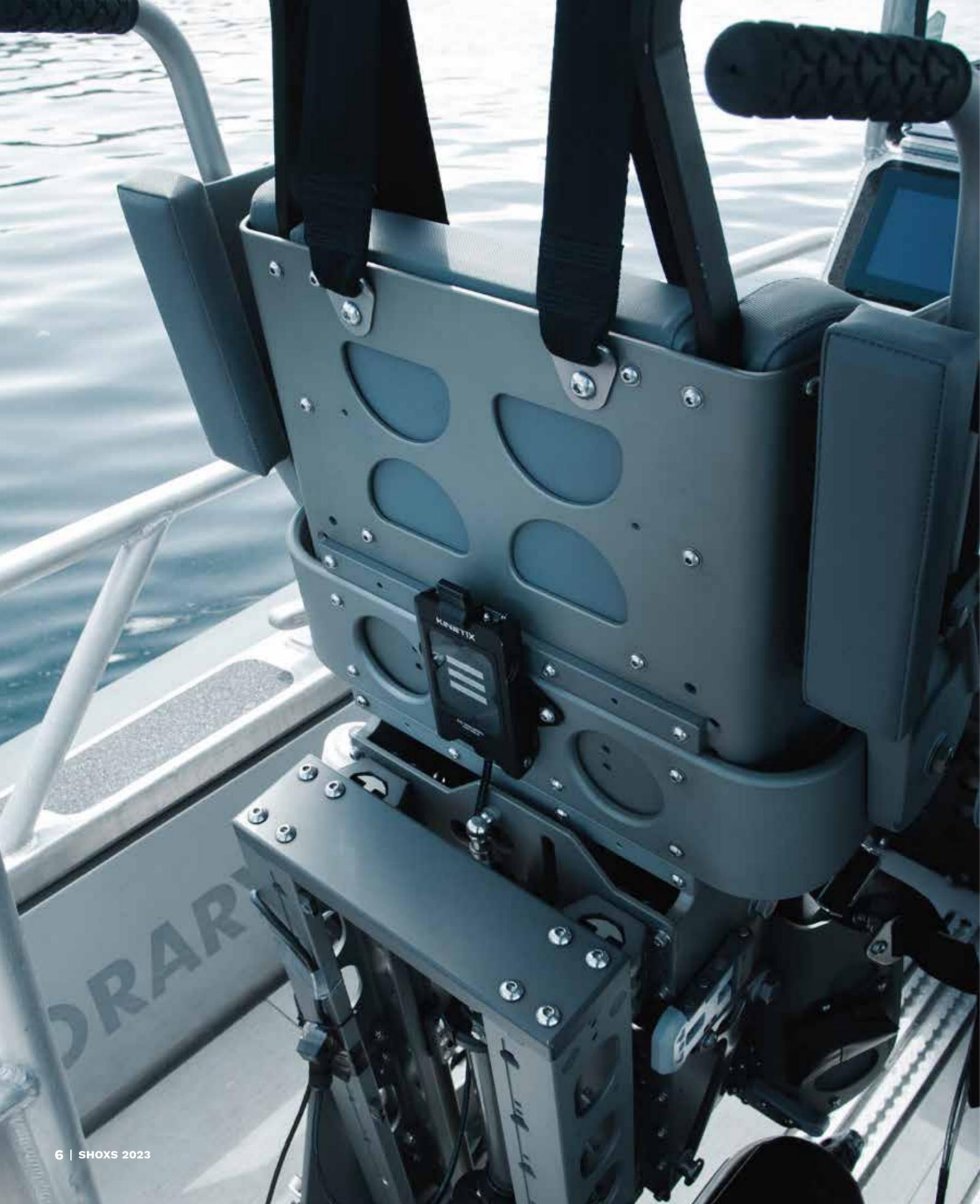
More than simply suspension seating, we are offering advanced shock mitigation technology that keeps boat operators safer and fleets running smoother.

## SHOXS

Our clients face hazardous situations on the water every day. Many of us at Shoxs have weathered these same conditions as part of the US and Canadian Armed Forces, and many others have honed their skills with decades of experience at commercial boat builders.

Our team is uniquely qualified to champion our mission of safety on the water.





# WHAT WE DO

## SHOXS

**SHOXS SEATS** feature a patented and revolutionary impact mitigation design using marinized air shock technology to reduce harmful physical impact and vibration on the boater when traveling through rough waters.

## KINETIX

**KINETIX** is an advanced shock monitoring system that records impact exposure. A combination of hardware, software, and analytics services allow maritime agencies and boat builders to gauge the effectiveness of their mitigation strategies and craft.

## RESEARCH AND DEVELOPMENT

**WE HELP** clients across all industries research and develop risk-reduction strategies using in-house technical experts in mechanical design and engineering, software and electronics development, mathematics and computer simulations, and the physics of shock and vibration.

**A DESIGN, MANUFACTURING AND RESEARCH AND DEVELOPMENT FIRM** specializing in marine shock mitigation technology devoted to pushing the boundaries of innovation in human safety on the water through the development of products and services that monitor, track and mitigate impact and vibration.



# WHO WE SERVE

## **MILITARY/PROFESSIONAL (MIL/PRO)**

We serve the ones who will weather any storm. The trained professionals who stand ready at any hour to answer the call and who will leave the dock when others won't. The ones that understand merely arriving on scene isn't enough, they have to be fit to perform when they get there.

We serve the lifesavers, the enforcers, the guardians and the protectors who operate in the most demanding conditions and rely on equipment that delivers them to the mission and gets them safely home every time.

## **COMMERCIAL/RECREATIONAL (COM/REC)**

We serve those who are in it for the long run. The mariners who dedicate their days to heading offshore before sunrise and understand that the right equipment can make or break the experience. The ones who push their boats and their gear to the limit and expect each to perform flawlessly.

We serve the seafarers, the navigators, the anglers, and the enthusiasts who understand that comfort and ergonomics can extend their time on the water, both today and years into the future.

# SHOX5

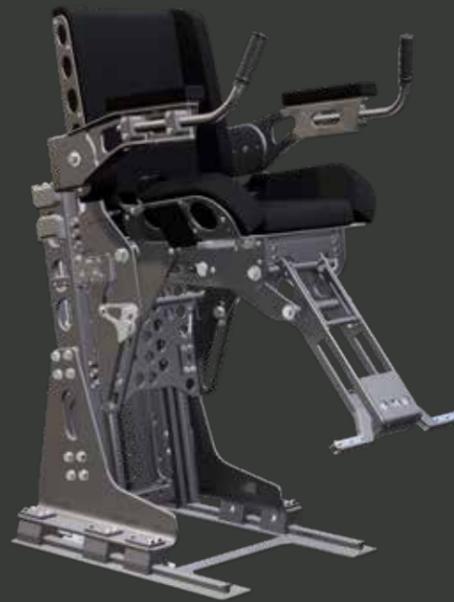
## OUR SEATS

When it comes to high speed craft in rough water, whether racing to a high-stakes rescue or headed offshore in pursuit of fish, boaters can agree that pounding through waves can be a bruising experience for your spine. In every sector, boats are traveling faster, and while speed may have its advantages, it also has serious drawbacks that are often overlooked.

Over the long term, high speed watercraft can expose boaters to a dangerous accumulation of impacts that can cause chronic pain and debilitating injuries, even at modest speeds.

Navies, Coast Guards, and Marine Police Forces increasingly turn to shock-mitigation seating technology to protect their human assets. Shock-mitigating suspension seats are a cornerstone of their approach to safety on the water.

### MANY SHOX5 SEATS ARE STILL IN SERVICE A DECADE AFTER INSTALLATION, BECAUSE:



- We use CNC machined parts with hard anodized surfaces.
- Every single critical component is tested, serialized, and certified, providing a traceable history and confidence in the quality.
- Parts are never painted or powder coated, which means surfaces will not peel, chip or scratch over time.
- Parts are bolted instead of welded, allowing tight tolerances for less play between parts and a solid feel.



# MILITARY / PROFESSIONAL

## MILITARY AND LAW ENFORCEMENT AROUND THE GLOBE

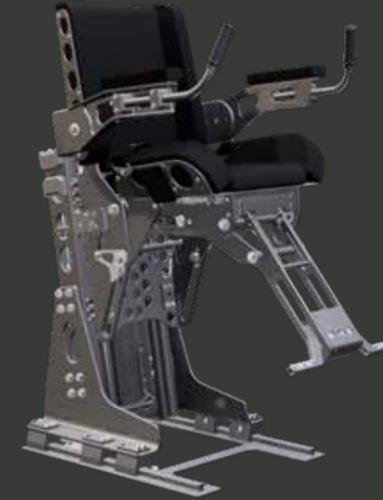
We, at Shoxs, work closely with public and private defense and patrol agencies worldwide to understand their specific needs and requirements. You'll find us on major small-boat programs in the US Coast Guard, US Navy, US Customs and Border Patrol, UK Ministry of Defence, and the Canadian Special Forces. Our in-house shock and vibration scientists continually advise defense organizations of all sizes on solutions and strategies to limit harmful exposure. Years of collaborative efforts with these elite organizations have resulted in high performance shock mitigating technology that sets the standard for crew safety and comfort and keeps fleets functioning smoothly.

Scientists now working for Shoxs developed the first marine seat testing protocols for the UK Ministry of Defence over a decade ago and as the recognized experts in the field, were appointed to chair the international multi-agency technical group that developed the drop-testing methods in use today by the US military and other agencies globally.



## OVERVIEW: MIL/PRO SERIES

Designed for extreme offshore conditions, the Mil/Pro Series generally features longer suspension travel to absorb the most extreme impacts: typically 8 inches (203 mm) and above. Mil/Pro Series seats are highly configurable and customizable to support a wide variety of purpose built watercraft.



BUCKET  
PAGES 14-25



JOCKEY  
PAGES 26-39



JUMP  
PAGES 40-43

# BUILDING YOUR BUCKET SEAT

The bucket seat design allows a natural seated posture for static movement as well as dynamic impacts. Bucket seats typically mount horizontally to the deck or vertically on a bulkhead or cabin wall, depending on the vessel's configuration and available space.

Once the mount style is established, select the seat arrangement (low or high ride height), and mechanical functionality (fixed or folding seat base, full body suspension), and accessories.

## STEP-BY-STEP CONFIGURATION:

1

### SEAT TYPE

Select from a variety of bucket seats with either a fixed or folding seat base.

5

### OPTIONS

Add functionality with accessories like restraints, arm rests, head rests, fore/aft adjustments, and more.

6

### COLOR

Hard-coat anodized marine-grade aluminum (Grey metal) construction with waterproof, UV-resistant upholstery in black.

#### DIDN'T FIND WHAT YOU NEED?

For custom applications and options email [sales@shoxs.com](mailto:sales@shoxs.com).

2

### MOUNTING

Bucket seats typically mount directly to a vessel's deck, on top of a box or riser, or vertically attached to a wall or bulkhead.

3

### LINE OF SIGHT

Select low (seated) or high (standing) ride height depending on the vessel's layout and visibility requirements.

4

### FUNCTIONALITY

Depending on the vessel's configuration, a variety of fore/aft, height, swivel adjustment and suspension styles are available.



## EXAMPLE SELECTIONS

**SEAT: 4800**

**PRODUCT SERIES: MIL/PRO**

**SEAT TYPE: BUCKET**

**MOUNTING: DECK**

**LINE OF SIGHT: HIGH**

**FUNCTIONALITY: FORE/AFT AND HEIGHT ADJUSTABLE**

**OPTIONS: ARM RESTS, HAND GRIPS**

**COLOR: BLACK UPHOLSTERY**

## STANDARD OPTIONS

### SEAT

- FIXED SEAT BASE

### MOUNTING

- DECK OR BOX MOUNT

### LINE-OF-SIGHT

- LOW/SEATED

### FUNCTIONALITY

- HEIGHT ADJUSTMENT
- FORE/AFT SLIDER
- MID-BACK SEAT BACK EXTENSION

### FEATURES

- HAND GRIPS
- 2-POINT HARNESS (LAP BELT)
- STORAGE/CHART POCKET
- CUP HOLDER
- TALL BACKREST WITH INTEGRATED HEADREST AND 4 POINT HARNESS (OPTIONAL)

### COLOR

- ANODIZED METAL: BLACK
- UPHOLSTERY: BLACK

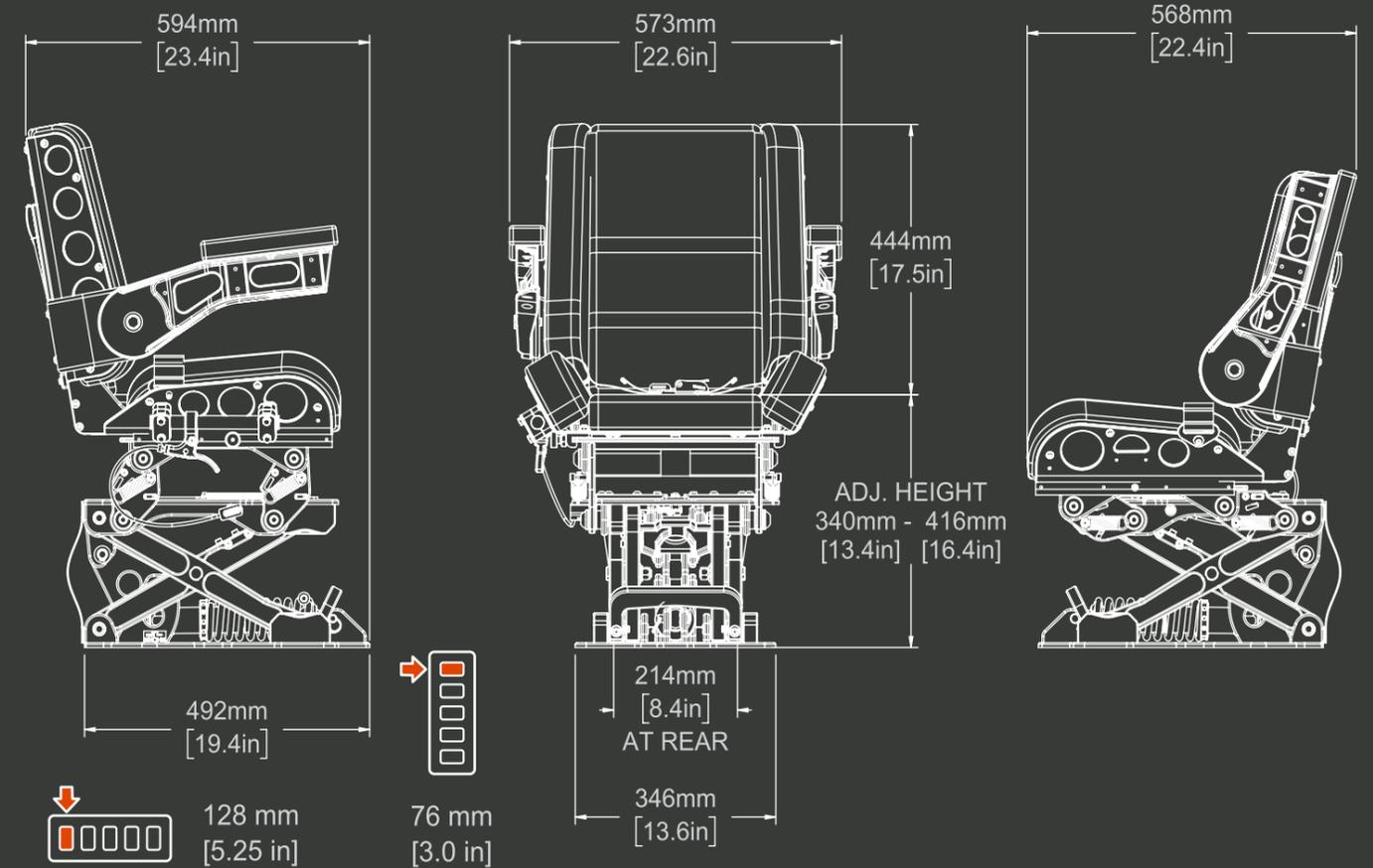
## 2000 SEAT OVERVIEW

A bucket style seat with fixed seat base and 5 inches (127 mm) of suspension travel. Typical applications include helmsman, navigator, crew or passenger seating in an enclosed cabin or open cockpit.



Cup holder

Compact footprint enhances leg room for rear passengers



## SPECIFICATIONS: SHOX5 2000

<b>SUSPENSION TRAVEL</b>	127 mm / 5 in
<b>BASE WEIGHT</b>	37.6 kg / 83 lb
<b>MATERIAL</b>	CNC Aluminum, 316 SS, Titanium
<b>FINISH</b>	Hard Anodized Aluminum: Black
<b>UPHOLSTERY</b>	Waterproof Marine Vinyl, UV Stable and Mold Resistant, Black

## STANDARD OPTIONS

### SEAT

- FOLDING: DROP-DOWN SEAT BASE

### MOUNTING

- DECK MOUNT

### LINE OF SIGHT

- TALL/STANDING

### FUNCTIONALITY

- FORE/AFT SLIDER
- SHOX5 PRO ADJUSTABLE SUSPENSION UPGRADE
- MID-BACK SEAT BACK EXTENSION

### FEATURES

- HAND GRIPS
- 2-POINT HARNESS (LAP BELT)
- STORAGE/CHART POCKET
- CUP HOLDER
- TALL BACKREST WITH INTEGRATED HEAD REST AND 4 POINT HARNESS (OPTIONAL)

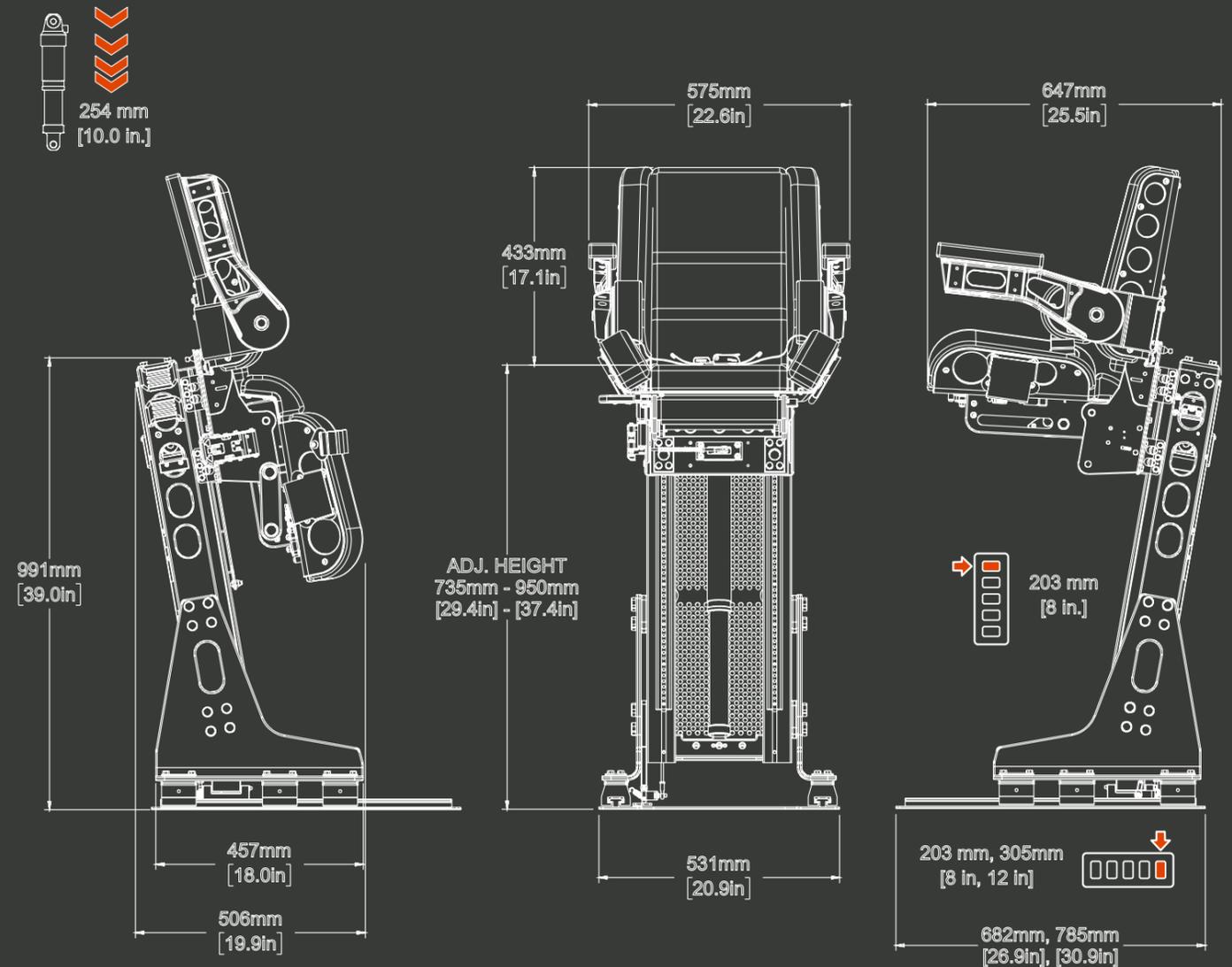
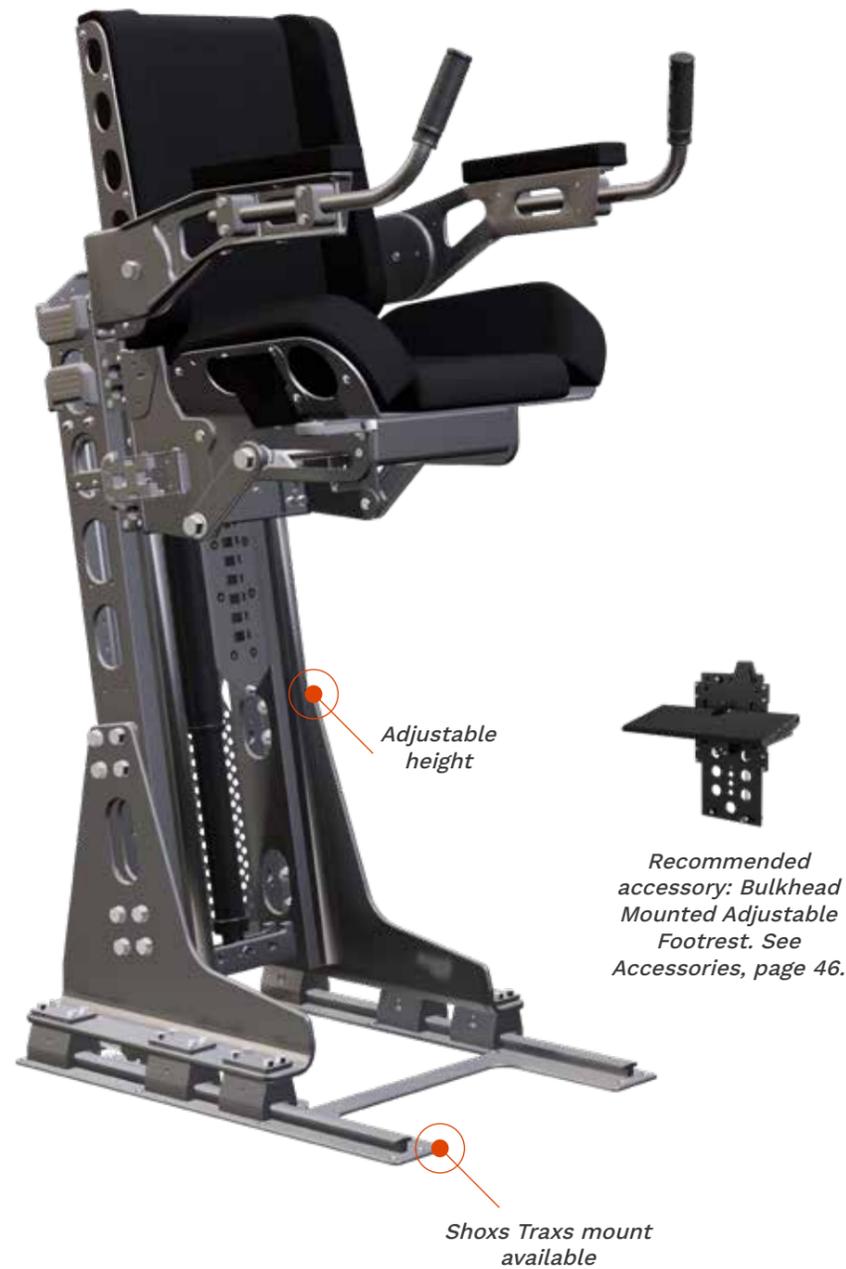
### COLOR

- GREY OR BLACK METAL
- UPHOLSTERY: BLACK



## 4600 SEAT OVERVIEW

A deck-mounted bucket seat with fold-down seat base and 10 inches (254 mm) of suspension travel. Ideal for either a seated position or a leaning post style standing position when the seat base is dropped down.



## SPECIFICATIONS: SHOX5 4600

<b>SUSPENSION TRAVEL</b>	254 mm / 10 in
<b>BASE WEIGHT</b>	50 kg / 110 lb
<b>MATERIAL</b>	CNC Aluminum, 316 SS, Titanium
<b>FINISH</b>	Hard Anodized Aluminum
<b>UPHOLSTERY</b>	Waterproof Marine Vinyl, UV Stable and Mold Resistant, Black

## STANDARD OPTIONS

### SEAT

- FOLDING: DROP-DOWN SEAT BASE

### MOUNTING

- DECK MOUNT

### LINE-OF-SIGHT

- HIGH/STANDING

### FUNCTIONALITY OPTIONS

- FORE/AFT SLIDER
- SHOXS PRO ADJUSTABLE SUSPENSION UPGRADE
- MID-BACK SEAT BACK EXTENSION

### FEATURES

- HAND GRIPS
- 2-POINT HARNESS (LAP BELT)
- STORAGE/CHART POCKET
- CUP HOLDER
- TALL BACKREST WITH INTEGRATED HEAD REST AND 4 POINT HARNESS (OPTIONAL)

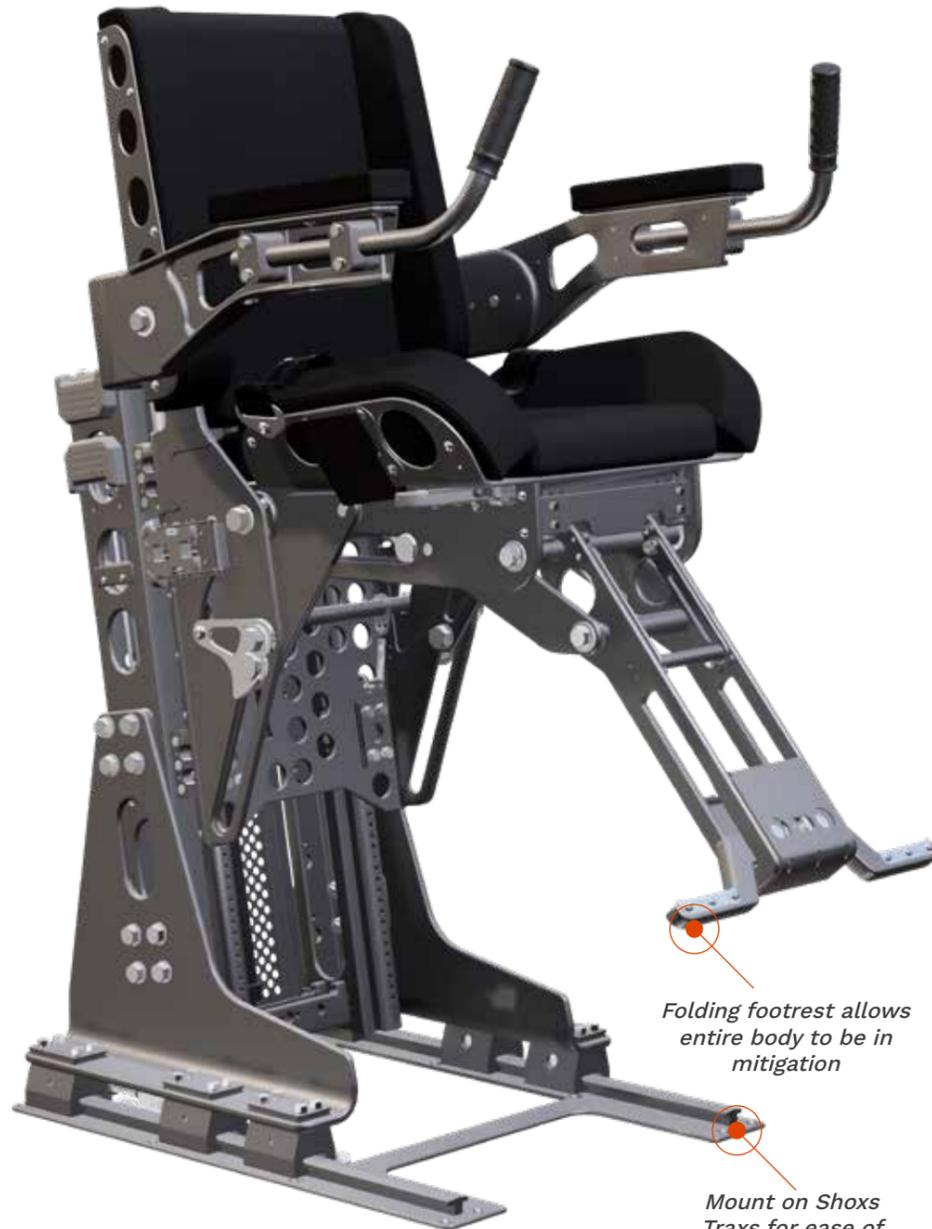
### COLOR

- GREY OR BLACK METAL
- UPHOLSTERY: BLACK



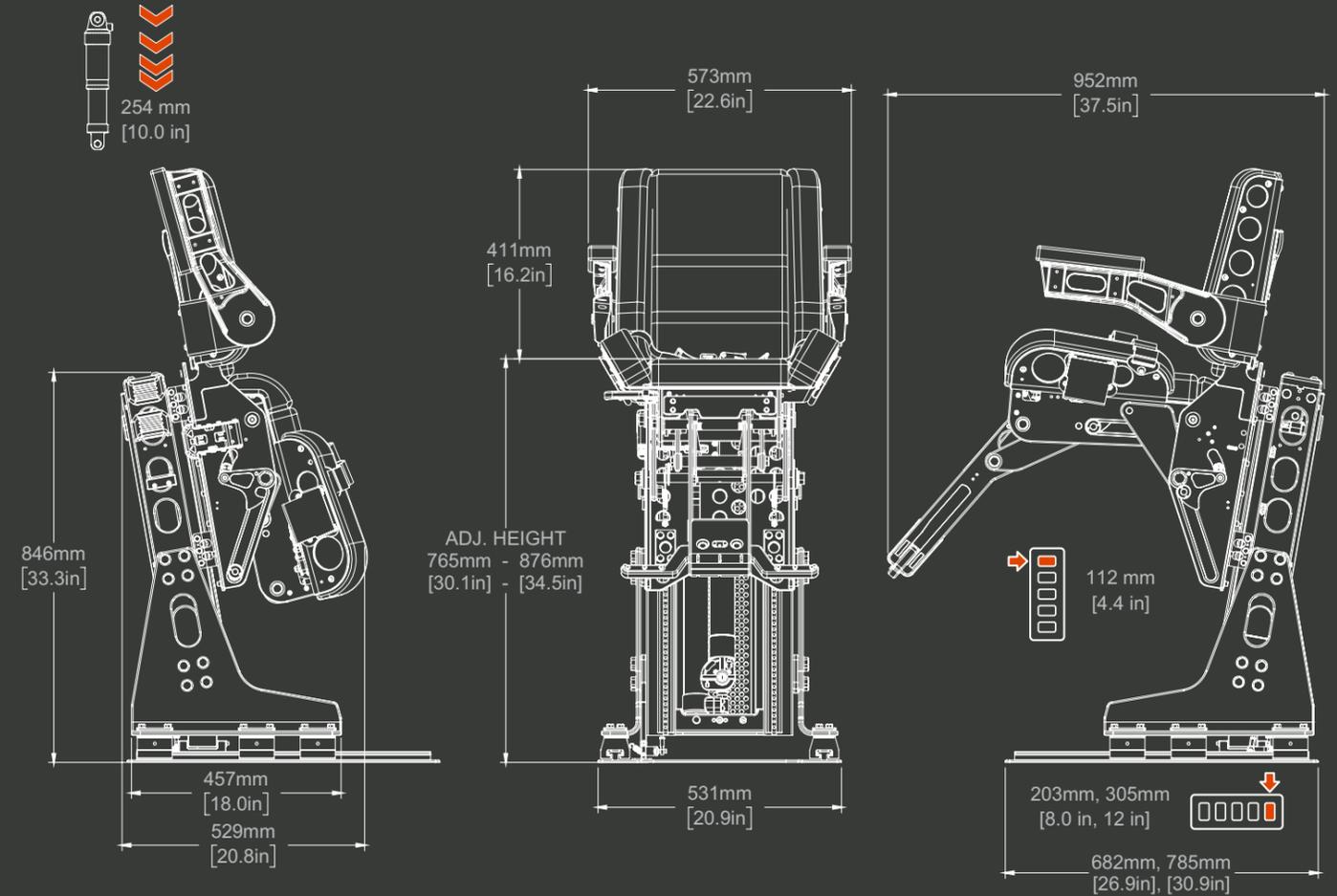
## 4800 SEAT OVERVIEW

A deck-mounted bucket seat with integrated footrest for full-body isolation and 10 inches (254 mm) of suspension travel. Ideal for seated operation. Seat base drops down for standing operation if desired.



Folding footrest allows entire body to be in mitigation

Mount on Shoxx Trax for ease of movement



## SPECIFICATIONS: SHOXS 4800

<b>SUSPENSION TRAVEL</b>	254 mm / 10 in
<b>BASE WEIGHT</b>	53 kg / 116 lb
<b>MATERIAL</b>	CNC Aluminum, 316 SS, Titanium
<b>FINISH</b>	Hard Anodized Aluminum
<b>UPHOLSTERY</b>	Waterproof Marine Vinyl, UV Stable and Mold Resistant, Black

## STANDARD OPTIONS

### SEAT

- FOLDING: DROP-DOWN SEAT BASE

### MOUNTING

- BULKHEAD MOUNT

### LINE OF SIGHT

- LOW/FEET ON DECK

### FEATURES

- HAND GRIPS
- 2-POINT HARNESS (LAP BELT)
- CUP HOLDER
- BULK HEAD ADAPTER

### COLOR

- GREY OR BLACK METAL
- UPHOLSTERY: BLACK



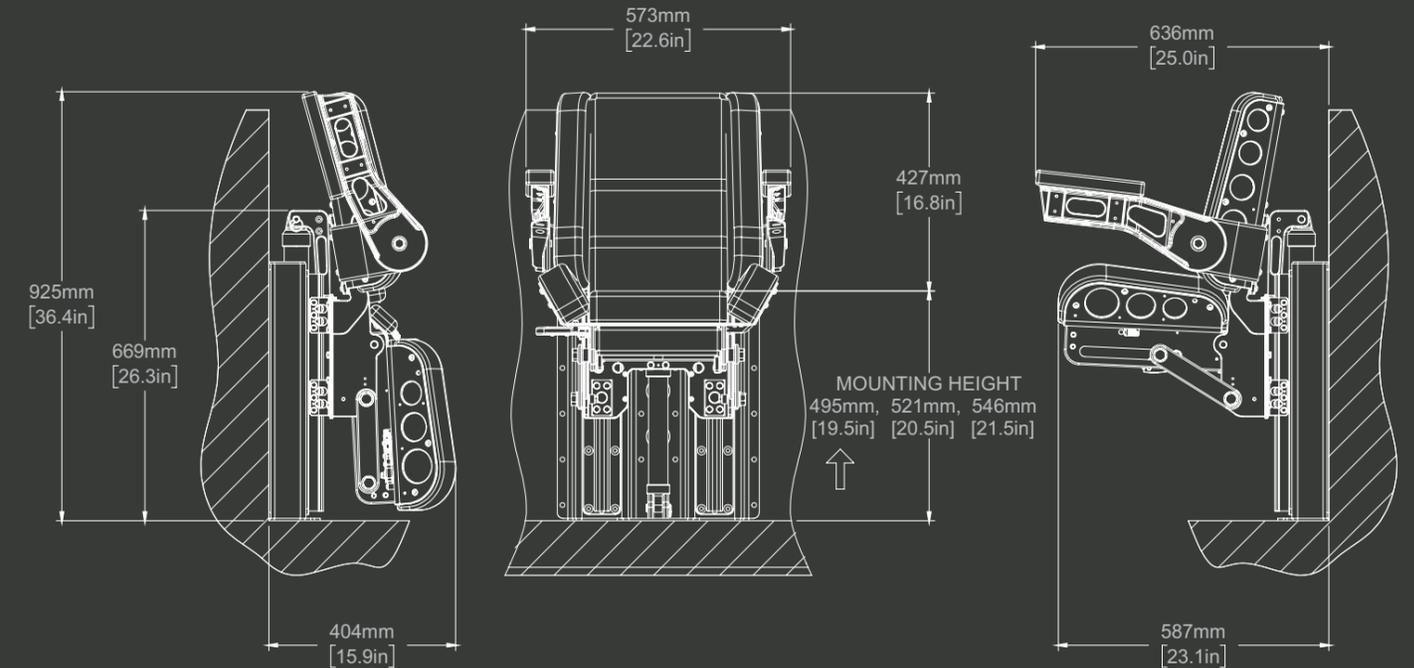
## 6100 SEAT OVERVIEW

A bulkhead mounted seat with drop-down seat base and 8 inches (203 mm) of suspension travel. Typically used in confined cabin spaces or center console vessels for auxiliary seating where a low ride height is ideal.



Drop down seat base for more deck space

Optional flat bulkhead adapter



## SPECIFICATIONS: SHOX5 6100

<b>SUSPENSION TRAVEL</b>	203 mm / 8 in
<b>BASE WEIGHT</b>	27 kg / 60 lb
<b>MATERIAL</b>	CNC Aluminum, 316 SS
<b>FINISH</b>	Hard Anodized Aluminum
<b>UPHOLSTERY</b>	Waterproof Marine Vinyl, UV Stable and Mold Resistant, Black

## STANDARD OPTIONS

### SEAT

- FOLDING: DROP-DOWN SEAT BASE

### MOUNTING

- BULKHEAD MOUNT

### LINE OF SIGHT

- HIGH

### FEATURES

- HAND GRIPS
- HEIGHT ADJUSTMENT
- BULK HEAD ADAPTER
- 2-POINT HARNESS (LAP BELT)
- CUP HOLDER

### COLOR

- GREY OR BLACK METAL
- UPHOLSTERY: BLACK

## 6300 SEAT OVERVIEW

A bulkhead-mounted bucket seat with drop down seat base and 8 inches (203 mm) of suspension travel. Ideal for high line-of-sight or standing operation. Easily folded and stowed to increase deck space.

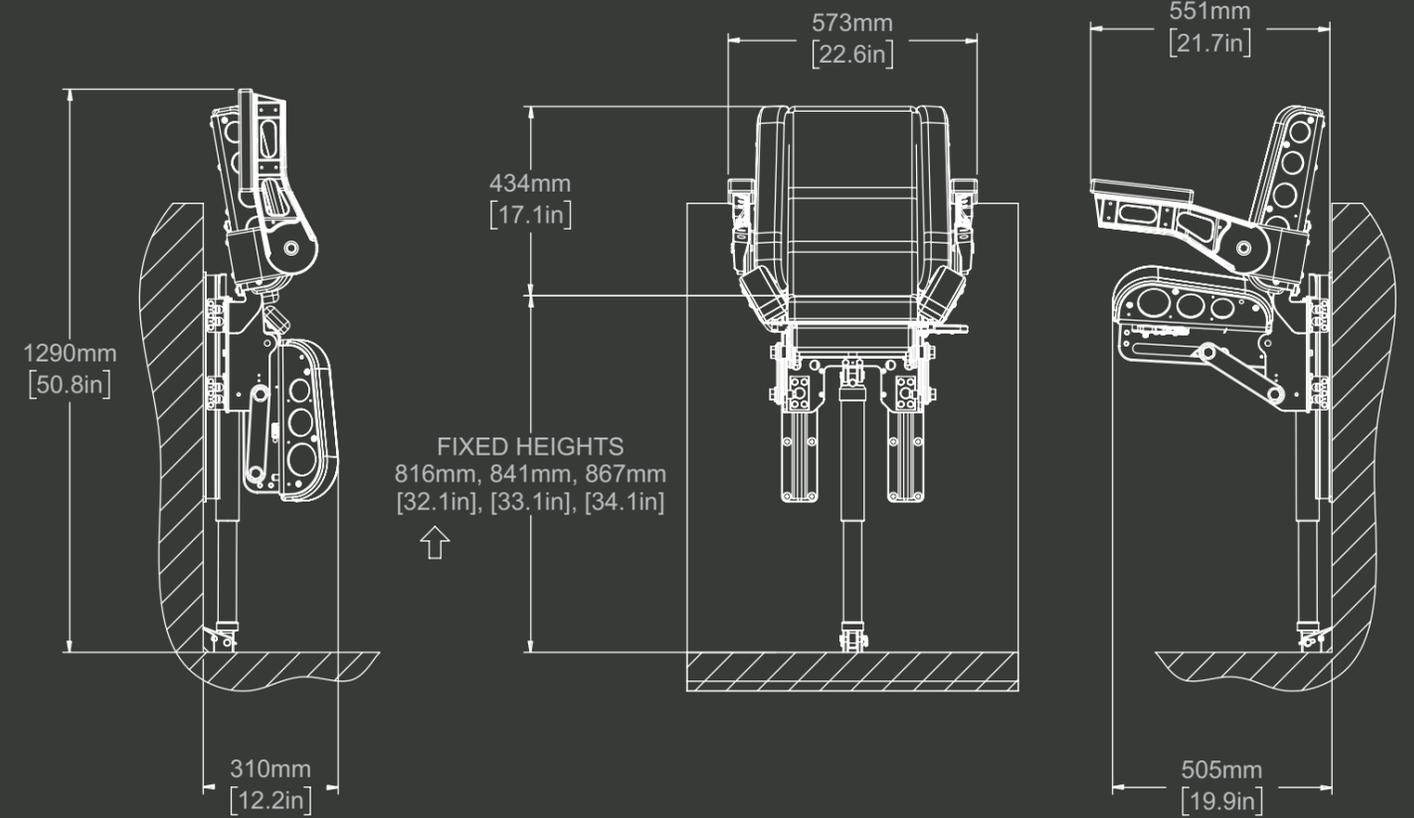


Optional height adjust

Seat base folds down for standing operation



Recommended accessory: Bulkhead Mounted Adjustable Footrest. See Accessories, page 46.



## SPECIFICATIONS: SHOXS 6300

<b>SUSPENSION TRAVEL</b>	203 mm / 8 in
<b>BASE WEIGHT</b>	27 kg / 60 lb
<b>MATERIAL</b>	CNC Aluminum, 316 SS
<b>FINISH</b>	Hard Anodized Aluminum
<b>UPHOLSTERY</b>	Waterproof Marine Vinyl, UV Stable and Mold Resistant, Black

# BUILDING YOUR JOCKEY SEATS

Jockey-style seats are saddle-shaped and designed to allow the user to actively use the legs for feedback and support as well as optimize body posture during impacts. Jockey seats typically have a compact footprint and low weight relative to the bucket seats, making them ideal for small, high-speed rigid inflatable vessels.

The Shoxs jockey seat collection features single or tandem-mounted configurations, folding functionality to maximize deck space, and several accessory selections to further customize the seats.

## STEP-BY-STEP CONFIGURATION:

1

### MOUNTING

Jockey seats are mounted either directly to the deck or on top of a platform or riser.

4

### OPTIONS

Select accessories like grab handles, storage bags, and adjustable suspension.

2

### SINGLE OR TANDEM

Deck-mounted jockey seats can stand alone or tandem mount on the same stabilization unit.

5

### COLOR

Clear hard coat anodized aluminum (Grey metal) construction with waterproof, UV-resistant upholstery in black.

3

### FUNCTIONALITY

Depending on the vessel's configuration, a variety of fore/aft sliders, height adjustment and suspension styles are available.

#### DIDN'T FIND WHAT YOU NEED?

For custom applications and options email [sales@shoxs.com](mailto:sales@shoxs.com).

## SELECTING TANDEM SEATS:



**5005 - FIXED**      **5605 - FOLDING**  
Choose from two base jockey seat options.



**5050 - FIXED**      **5105 - FOLD UP**      **5705 - FOLD DOWN**  
Then, add a second seat from one of three tandem models.



## EXAMPLE SELECTIONS

**SEATS: 5005 + 5050**

**PRODUCT SERIES: MIL/PRO**

**SEAT TYPE: JOCKEY**

**MOUNT: DECK**

**SINGLE OR TANDEM: TANDEM**

**FUNCTION: FRONT FIXED, REAR FIXED**

**OPTIONS: STORAGE BAGS, GRAB HANDLES**

**COLOR: BLACK UPHOLSTERY**

## STANDARD OPTIONS

### SEAT

- FIXED

### MOUNTING

- DECK MOUNT

### TANDEM COMPATIBLE

- JOCKEY SEAT 5050
- JOCKEY SEAT 5105
- JOCKEY SEAT 5705

### FUNCTIONALITY OPTIONS

- HEIGHT ADJUSTMENT
- FORE/AFT SLIDER

### FEATURES

- SHOX5 PRO ADJUSTABLE SUSPENSION UPGRADE
- STORAGE BAG
- FRONT GRAB HANDLE

### COLOR

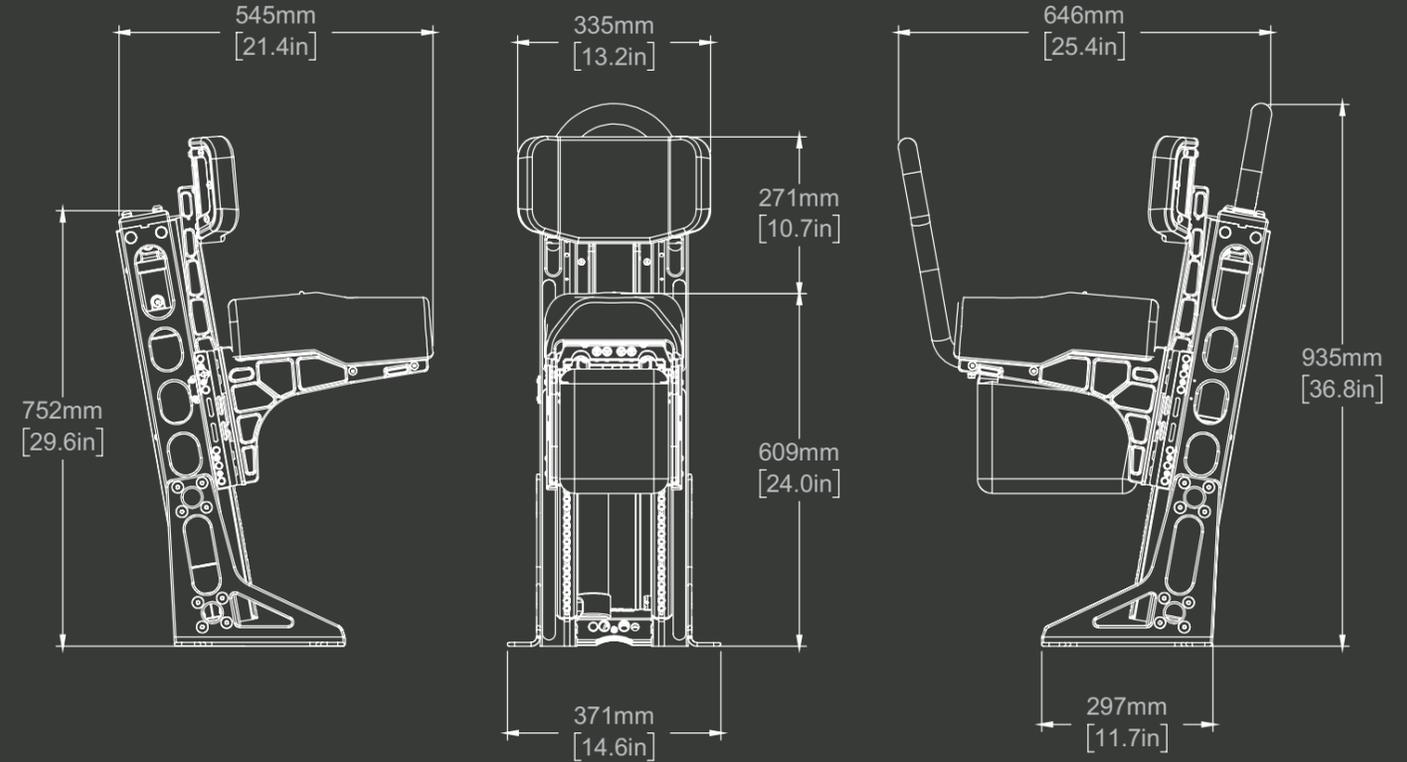
- GREY OR BLACK METAL
- UPHOLSTERY: BLACK

### OPTIONS

- COMPATIBLE WITH SHOX5 TRAXS DECK MOUNTING SYSTEM

## 5005 SEAT OVERVIEW

A deck mounted jockey seat with 10 inches (254 mm) of suspension travel and optional tandem seat compatibility. Suitable for high density seating layouts on high speed craft with open cockpits.



## SPECIFICATIONS: SHOX5 5005

<b>SUSPENSION TRAVEL</b>	254 mm / 10 in
<b>BASE WEIGHT</b>	18 kg / 40 lb
<b>MATERIAL</b>	CNC Aluminum, 316 SS, Titanium
<b>FINISH</b>	Hard Anodized: Aluminum
<b>UPHOLSTERY</b>	Waterproof Marine Vinyl, UV Stable and Mold Resistant, Black



## STANDARD OPTIONS

### SEAT

- FOLDING

### MOUNTING

- DECK MOUNT

### TANDEM COMPATIBLE

- JOCKEY SEAT 5050
- JOCKEY SEAT 5105
- JOCKEY SEAT 5705

### FUNCTIONALITY

- GRAB HANDLE

### FEATURES

- SHOXS PRO ADJUSTABLE SUSPENSION UPGRADE
- FOLD DOWN SEAT BASE

### COLOR

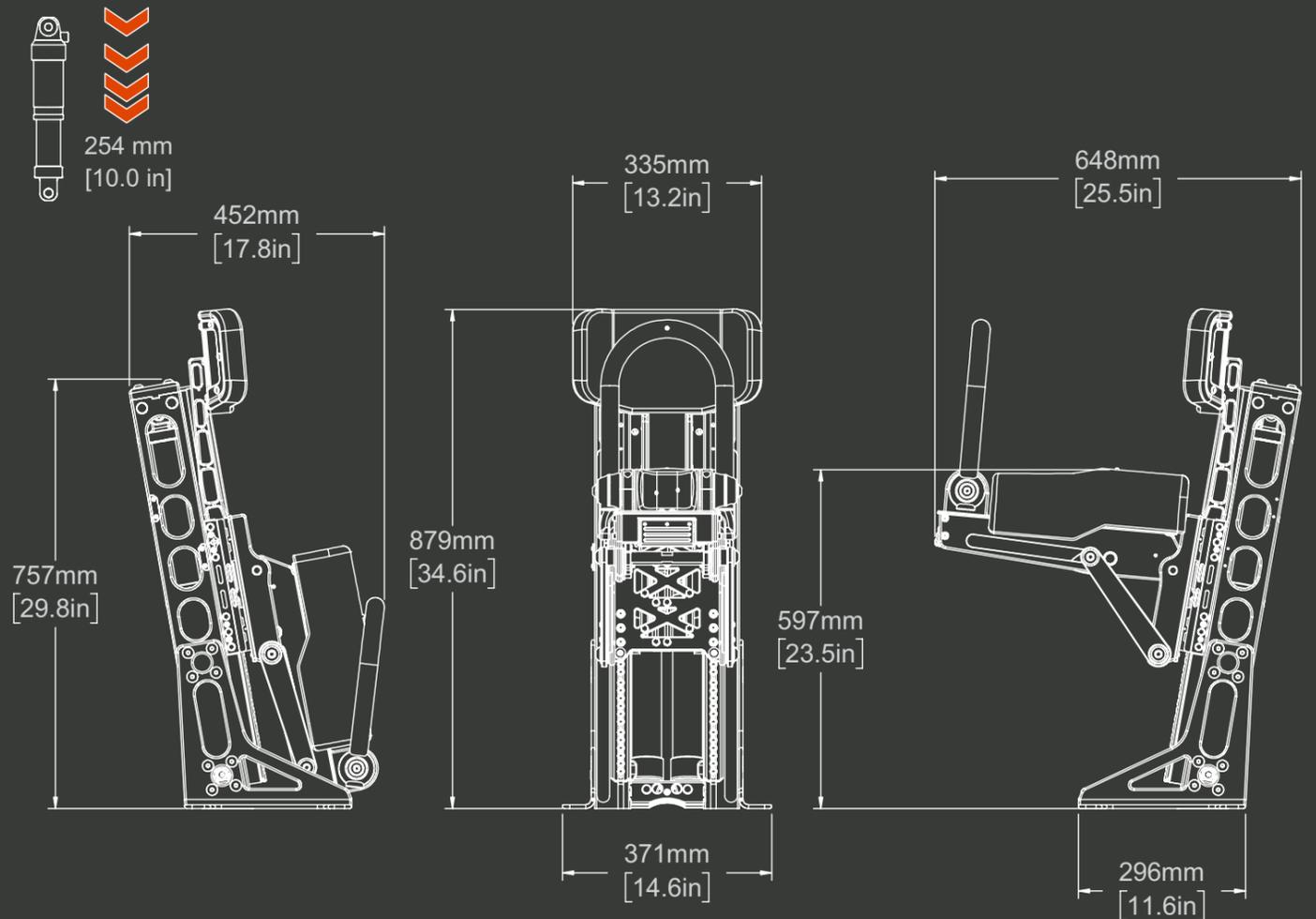
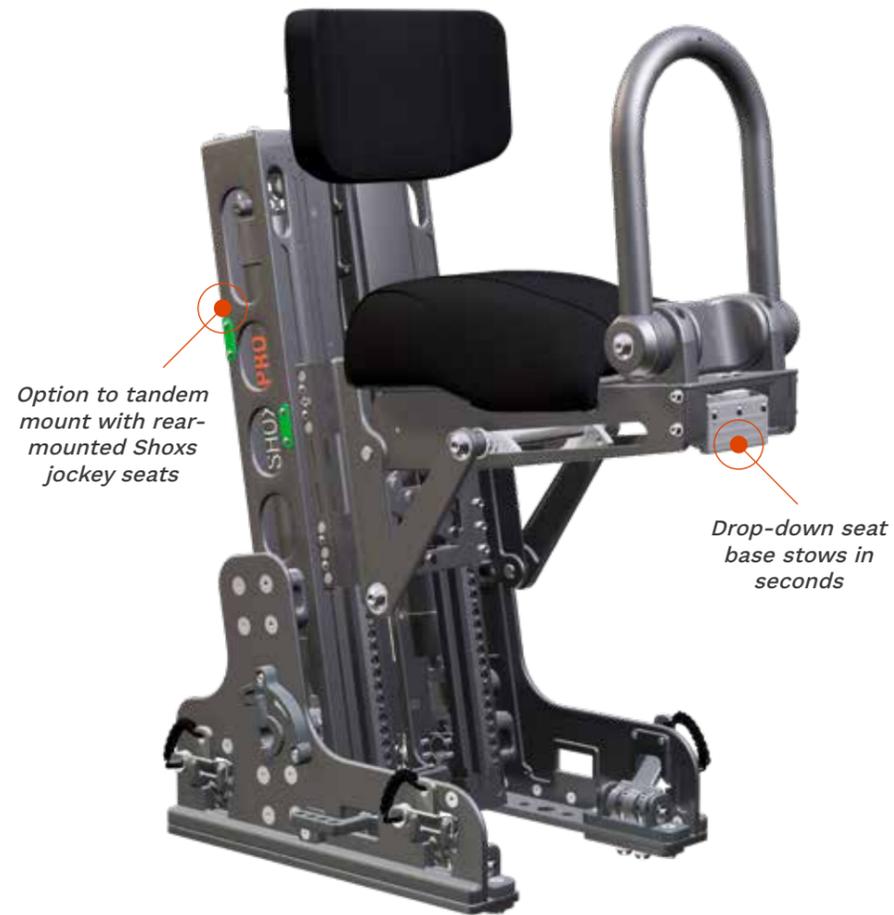
- GREY OR BLACK METAL
- UPHOLSTERY: BLACK

### OPTIONS

- COMPATIBLE WITH SHOXS TRAXS DECK MOUNTING SYSTEM

## 5605 SEAT OVERVIEW

A deck mounted jockey seat with fold down seat base, tandem seat compatibility, and 10 inches (254 mm) of suspension travel. Ideal for decks that benefit from additional walk around space when the seat is stowed in the drop down position.



## SPECIFICATIONS: SHOXS 5605

<b>SUSPENSION TRAVEL</b>	254 mm / 10 in
<b>BASE WEIGHT</b>	22 kg / 49 lb
<b>MATERIAL</b>	CNC Aluminum, 316 SS
<b>FINISH</b>	Hard Anodized: Aluminum
<b>UPHOLSTERY</b>	Waterproof Marine Vinyl, UV Stable and Mold Resistant, Black

## STANDARD OPTIONS

### SEAT

- FIXED

### MOUNTING

- DECK MOUNT

### TANDEM COMPATIBLE

- JOCKEY SEAT 5005
- JOCKEY SEAT 5605

### FEATURES

- SHOX5 PRO ADJUSTABLE SUSPENSION UPGRADE
- STORAGE BAG

### COLOR

- GREY OR BLACK METAL
- UPHOLSTERY: BLACK

### OPTIONS

- COMPATIBLE WITH SHOX5 TRAXS DECK MOUNTING SYSTEM

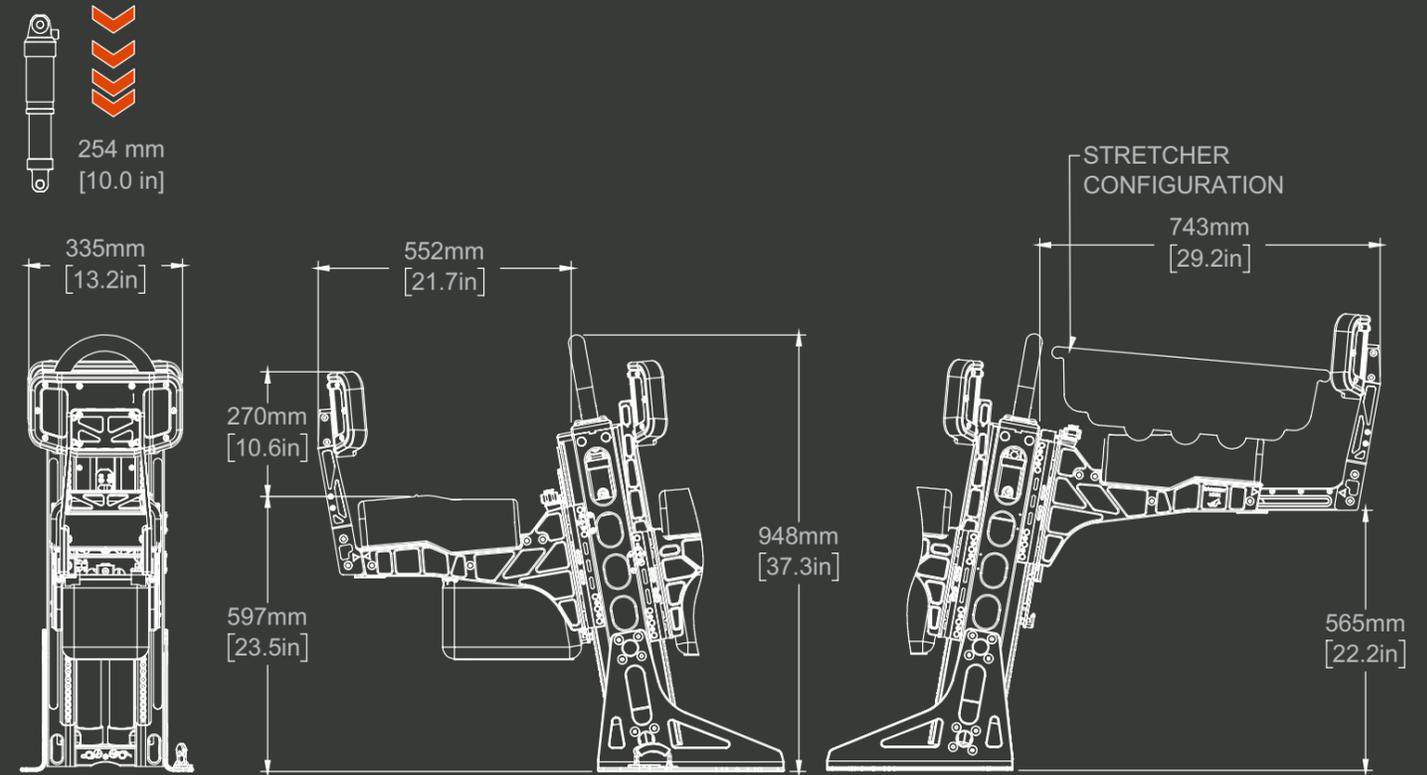
## REAR TANDEM: 5050 SEAT OVERVIEW

A tandem-mounted jockey seat option with optional extendable backrest to accommodate a stretcher, and 10 inches (254 mm) of suspension travel. Ideal for emergency response boats, boarding teams, or tour and transport boats.



Back rest extends to accommodate a stretcher

Mount on Shoxs Traxs for ease of moving seats



## SPECIFICATIONS: SHOX5 5050

<b>SUSPENSION TRAVEL</b>	254 mm / 10 in
<b>BASE WEIGHT</b>	11 kg / 25 lb (without stab)
<b>MATERIAL</b>	CNC Aluminum, 316 SS
<b>FINISH</b>	Hard Anodized: Aluminum
<b>UPHOLSTERY</b>	Waterproof Marine Vinyl, UV Stable and Mold Resistant, Black

## STANDARD OPTIONS

### SEAT

- FOLDING: FOLD-UP SEAT BASE

### MOUNTING

- DECK MOUNT

### TANDEM COMPATIBLE

- JOCKEY SEAT 5005
- JOCKEY SEAT 5605

### FEATURES

- SHOXS PRO ADJUSTABLE SUSPENSION UPGRADE
- STORAGE BAG
- FLIP UP SEAT BASE

### COLOR

- GREY OR BLACK METAL
- UPHOLSTERY: BLACK

### OPTIONS

- COMPATIBLE WITH SHOXS TRAXS DECK MOUNTING SYSTEM

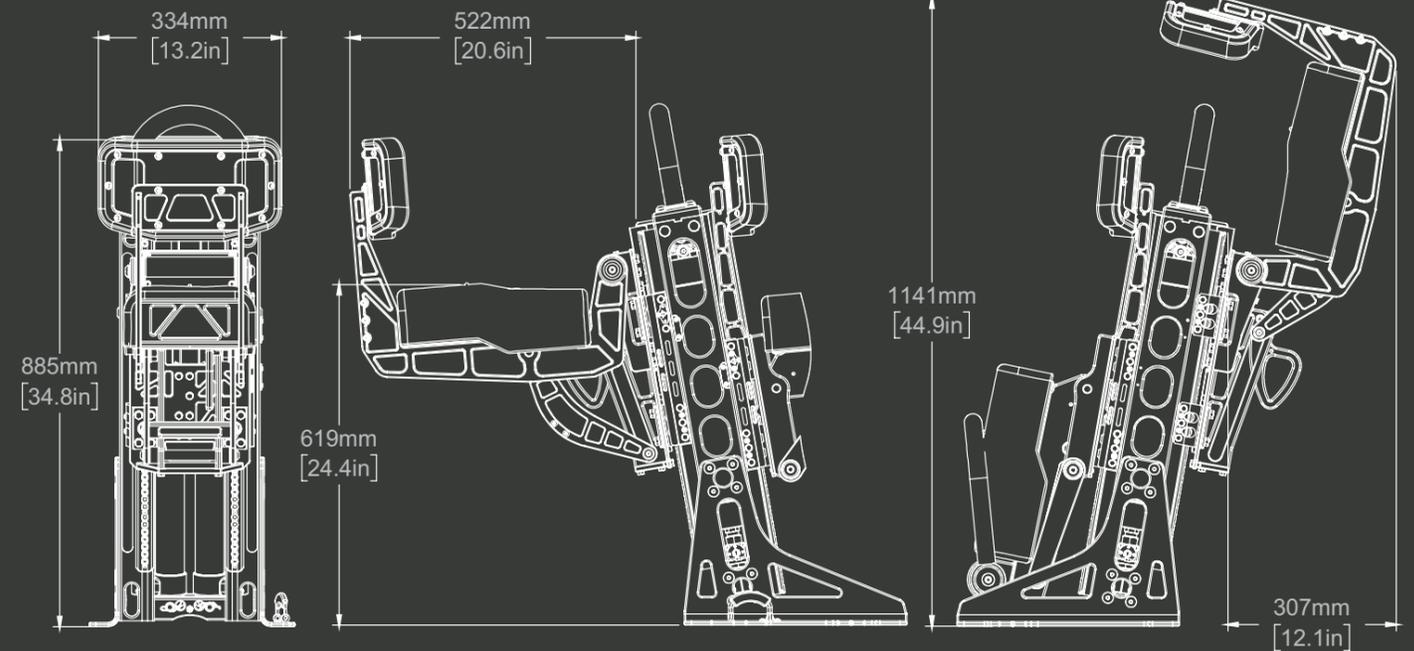
## REAR TANDEM: 5105 SEAT OVERVIEW

A tandem-mounted jockey seat option with fold-up seat base and 10 inches (254 mm) of suspension travel. Typical use is for crew or passenger seating in high density seating layouts in open cockpit boats. Fold up function allows additional deck space for gear or movement.



*Fold-up stowing function saves valuable deck space*

*Mount on deck or Shoxs Traxs*



## SPECIFICATIONS: SHOXS 5105

<b>SUSPENSION TRAVEL</b>	254 mm / 10 in
<b>BASE WEIGHT</b>	17 kg / 37 lb (without stab)
<b>MATERIAL</b>	CNC Aluminum, 316 SS
<b>FINISH</b>	Hard Anodized: Aluminum
<b>UPHOLSTERY</b>	Waterproof Marine Vinyl, UV Stable and Mold Resistant, Black

## STANDARD OPTIONS

### SEAT

- FOLDING: FOLDS DOWN

### MOUNTING

- DECK MOUNT

### TANDEM COMPATIBLE

- JOCKEY SEAT 5005
- JOCKEY SEAT 5605

### FEATURES

- SHOXS PRO ADJUSTABLE SUSPENSION UPGRADE
- FLIP UP SEAT BASE

### COLOR

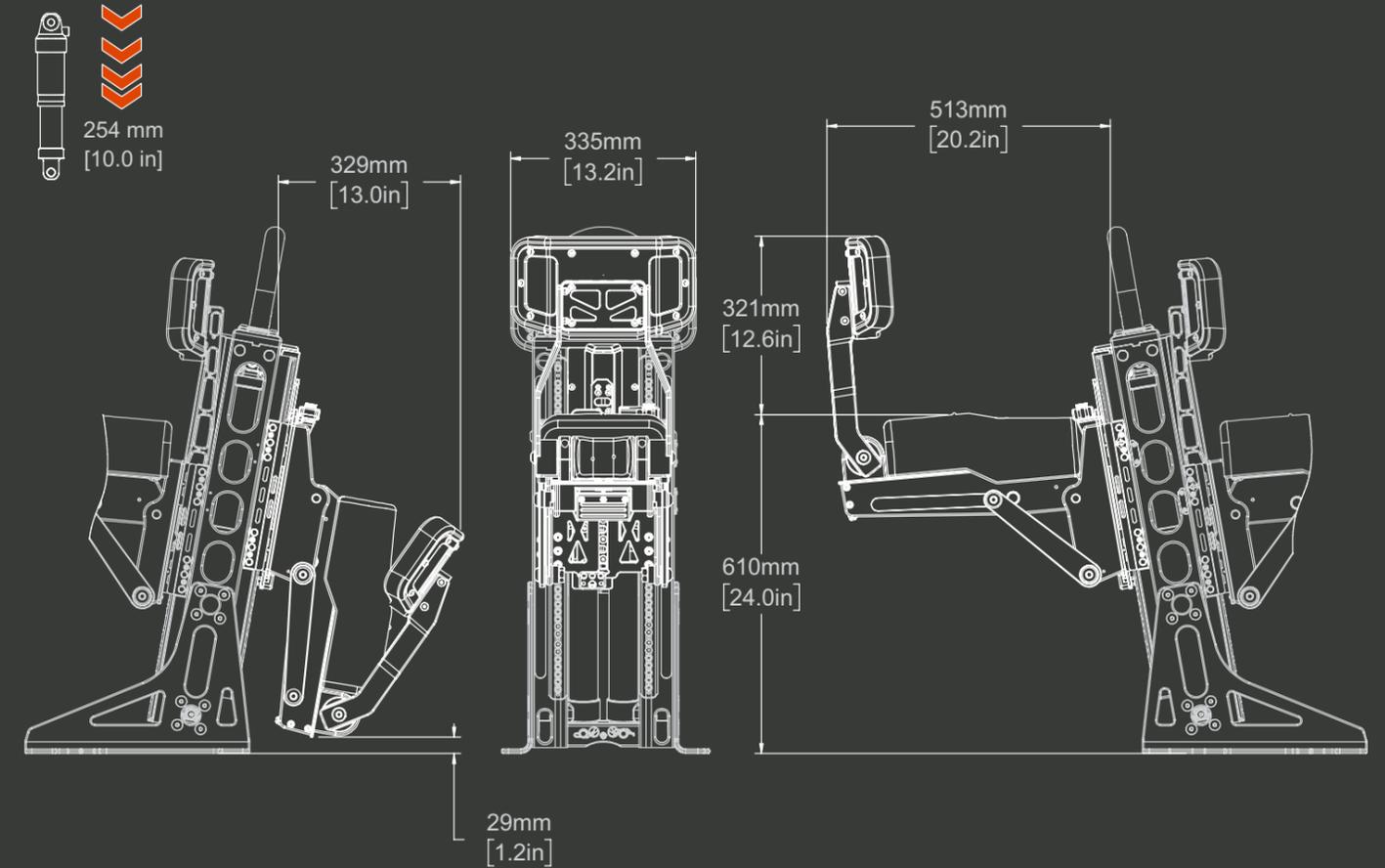
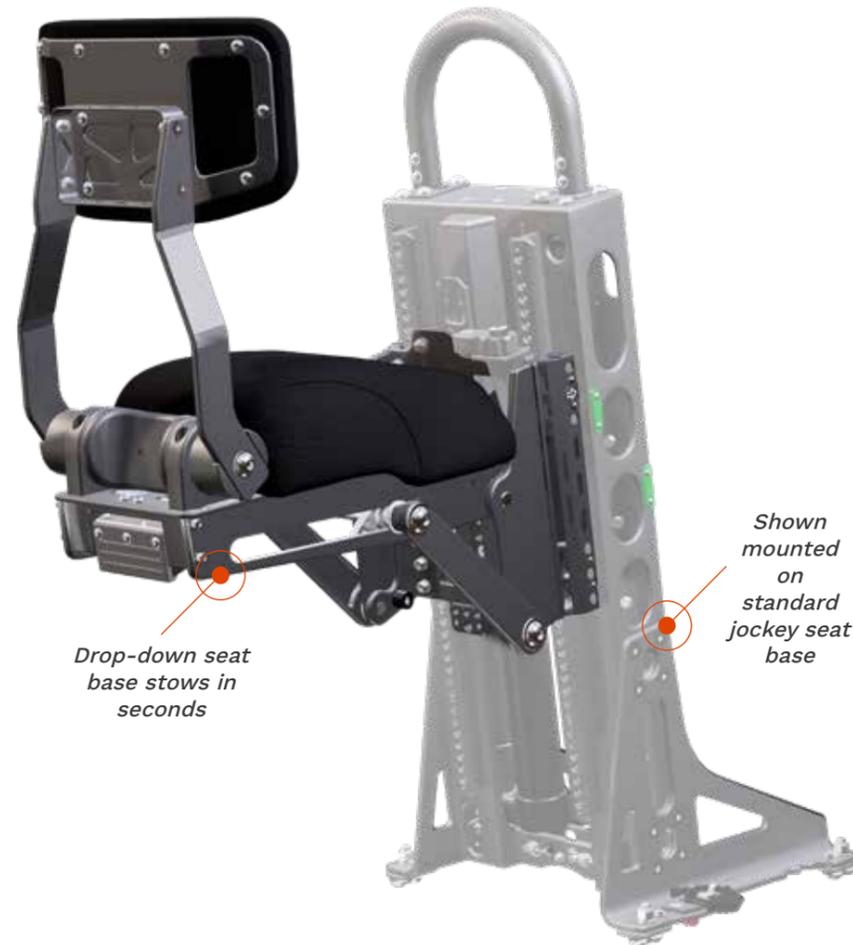
- GREY OR BLACK METAL
- UPHOLSTERY: BLACK

### OPTIONS

- COMPATIBLE WITH SHOXS TRAXS DECK MOUNTING SYSTEM

## REAR TANDEM: 5705 SEAT OVERVIEW

A tandem-mounted jockey seat with fold down seat base and 10 inches (254 mm) of suspension travel. Typical use includes crew or passenger seating, which frees up space on the deck when seats are in the stowed position.



## SPECIFICATIONS: SHOXS 5705

<b>SUSPENSION TRAVEL</b>	254 mm / 10 in
<b>BASE WEIGHT</b>	19 kg / 42 lb
<b>MATERIAL</b>	CNC Aluminum, 316 SS
<b>FINISH</b>	Hard Anodized: Aluminum
<b>UPHOLSTERY</b>	Waterproof Marine Vinyl, UV Stable and Mold Resistant, Black



# BUILDING YOUR **JUMP** SEATS

Designed for use on military vessels, maritime security craft, crew transport boats, or any other high-density transport applications, the jump seating line incorporates an auto-stowing seat base which creates additional deck space when unoccupied. Select a mounting configuration, color and optional accessories.

## STEP-BY-STEP CONFIGURATION:

1

### MOUNTING

Jump seats either mount directly to the deck, or to a vessel's bulkhead or cabin wall.

3

### COLOR

Clear hard coat anodized aluminum construction (Grey metal) with waterproof, UV-resistant upholstery in black.

#### DIDN'T FIND WHAT YOU NEED?

For custom applications and options email [sales@shoxs.com](mailto:sales@shoxs.com)

2

### OPTIONS

Select accessories like water bottle holders and under seat storage.



## EXAMPLE SELECTIONS

**SEATS: 8180**

**PRODUCT LINE: MIL/PRO**

**SEAT TYPE: JUMP**

**MOUNT: DECK**

**OPTIONS: NONE SELECTED**

**COLOR: BLACK UPHOLSTERY**

## STANDARD OPTIONS

### SEAT

- FOLDING: AUTO-STOWING SEAT BASE

### MOUNTING

- DECK MOUNT

### FUNCTIONALITY

- HEIGHT ADJUSTMENT

### FEATURES

- SHOXS PRO ADJUSTABLE SUSPENSION
- 2-POINT HARNESS
- WATER BOTTLE HOLDER

### COLOR

- GREY OR BLACK METAL
- UPHOLSTERY: BLACK

### OPTIONS

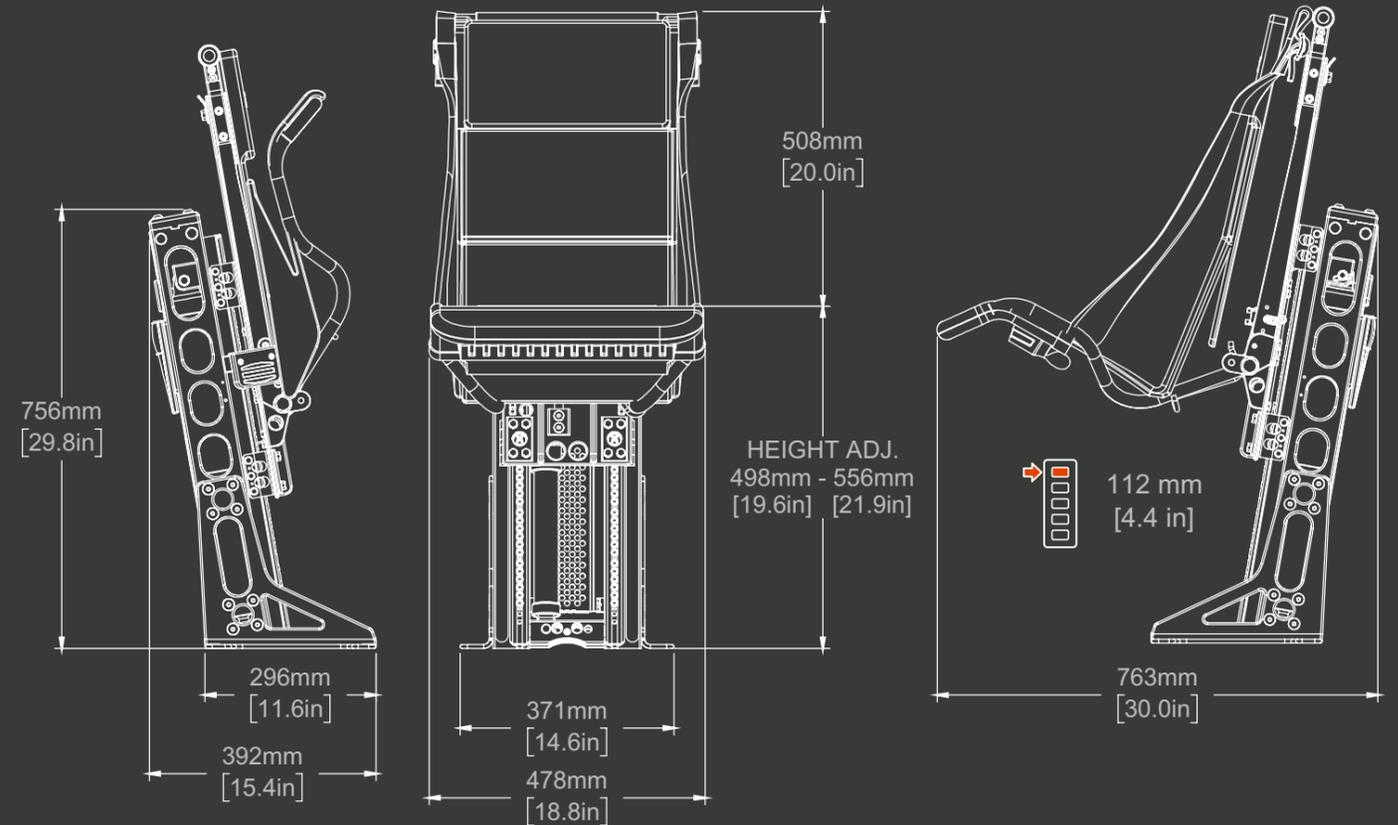
- COMPATIBLE WITH SHOXS TRAXS DECK MOUNTING SYSTEM

## 8180 SEAT OVERVIEW

A crew transport seat with 8 inches (203 mm) of suspension travel and an auto-stowing flip-up seat base, which creates additional deck space when it is unoccupied.



*Fold-up seat base creates additional deck space when unoccupied*



## SPECIFICATIONS: SHOXS 8180

<b>SUSPENSION TRAVEL</b>	203 mm / 8 in
<b>BASE WEIGHT</b>	18 kg / 40 lb
<b>MATERIAL</b>	CNC Aluminum, 316 SS
<b>FINISH</b>	Hard Anodized: Aluminum
<b>UPHOLSTERY</b>	Waterproof Marine Vinyl, UV Stable and Mold Resistant, Black

## STANDARD OPTIONS

### SEAT

- FOLDING: FOLD UP SEAT BASE

### MOUNTING

- BULKHEAD MOUNT

### FEATURES

- TALL BACK WITH INTEGRATED HEADREST
- 2-POINT HARNESS (LAP BELT)

### COLOR

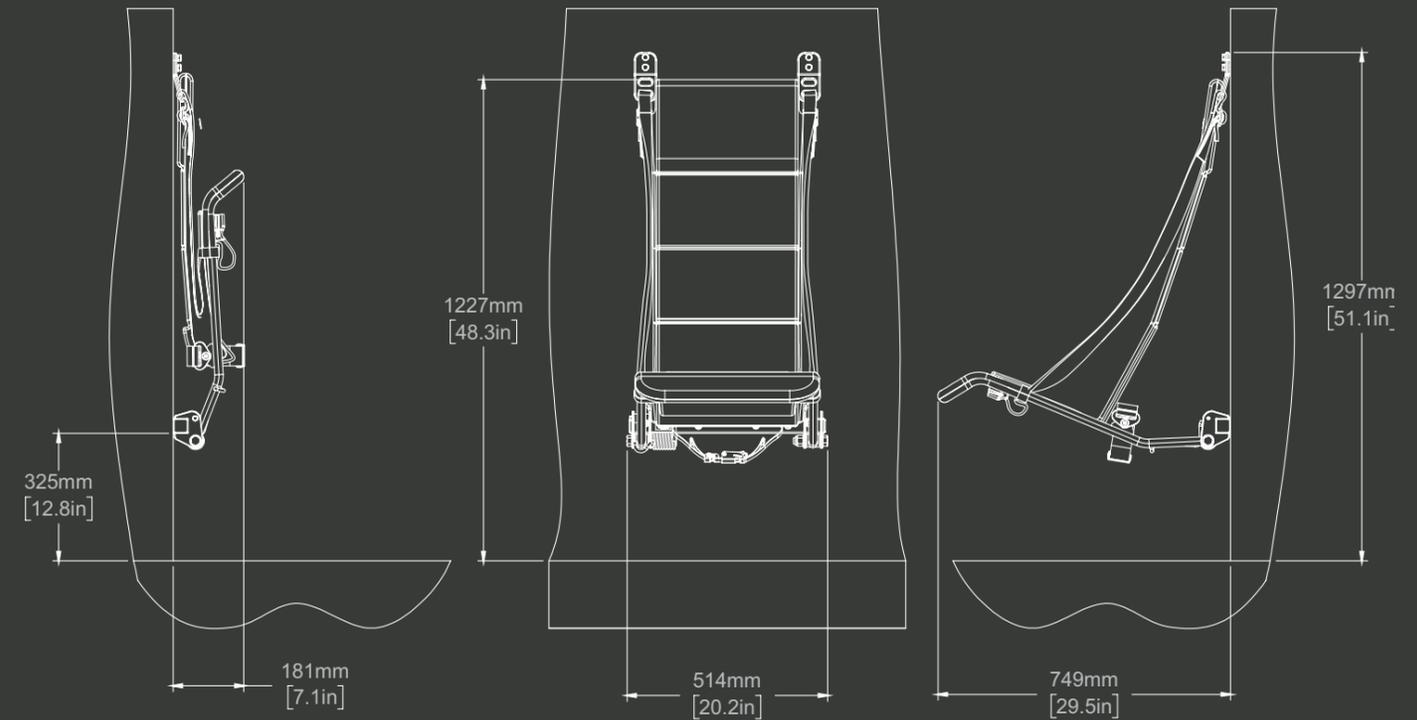
- GREY OR BLACK METAL
- UPHOLSTERY: BLACK

## 8100 SEAT OVERVIEW

A fixed troop transport non-mitgating jump seat with auto-stowing seat base. Can be mounted on any lateral or longitudinal bulkhead. Ideal for comfortable, secure transport of personnel at sea during transits where shock mitigation seats are not available.



*\*illustration of bulkhead and deck. Not included with seat.*



## SPECIFICATIONS: SHOXS 8100

<b>SUSPENSION TRAVEL</b>	Fixed
<b>BASE WEIGHT</b>	5.8 kg / 13 lb
<b>MATERIAL</b>	CNC Aluminum, 316 SS
<b>FINISH</b>	Hard Anodized: Aluminum
<b>UPHOLSTERY</b>	Waterproof Marine Vinyl, UV Stable and Mold Resistant, Black

# MIL/PRO OPTIONS

## OVERVIEW: ACCESSORIES

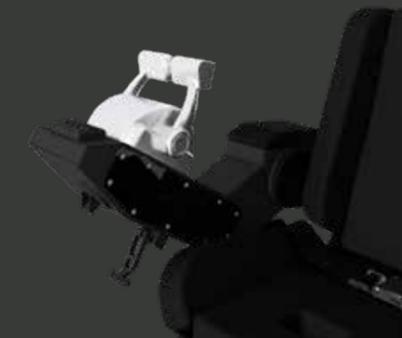
A wide selection of optional accessories to add functionality, comfort, and customization to your seating systems. Not all options available on all configurations.



FOOTREST  
PAGE 46



TRAXS MOUNTING SYSTEM  
PAGE 47



CONTROLS + WORKSTATIONS  
PAGES 48-49



NITROGEN FILL KIT  
PAGE 49

## SPECIFICATIONS AND OPTIONS

### MOUNTING

- BULKHEAD

### MATERIAL

- 316 STAINLESS STEEL, CNC ALUMINUM
- HIGH GRIP, INTEGRATED METAL TREAD

### FINISH

- BLACK METAL

### BASE WEIGHT

- 4.5 KG / 10 LB

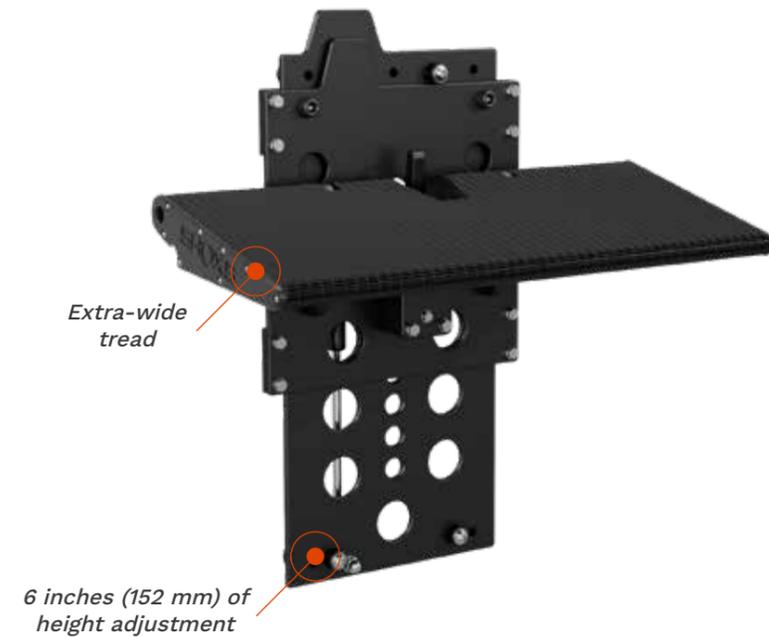
### ADJUSTMENTS

- HEIGHT ADJUSTMENT

## ADJUSTABLE HEIGHT FOOTREST

Bulkhead mounted, adjustable height footrest with folding tread. A foot-actuated lever allows simple and easy adjustment up and down to fit any sized occupant, no tools required.

Typically used in front of Shoxs bucket seats, an extra-wide tread makes the footrest comfortable for long transits. The tread easily folds away to allow for unobstructed passage in front of the seat.

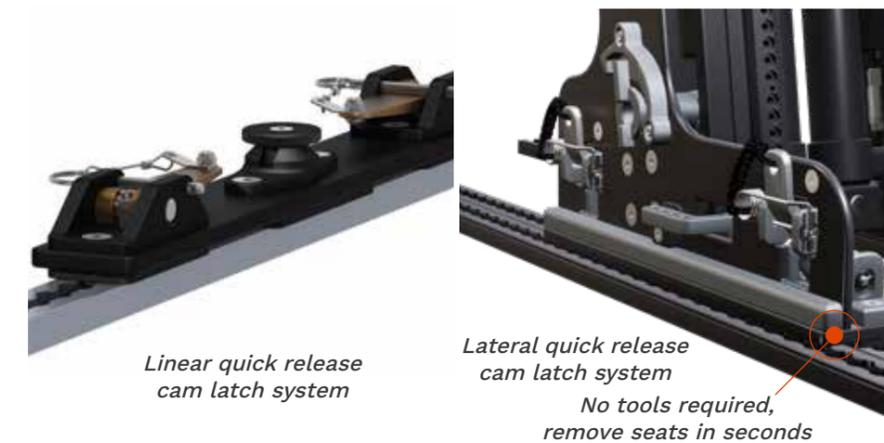


## TRAXS MOUNTING SYSTEM

The Shoxs Traxs Mounting System is designed to enable professional operators to quickly re-configure wheelhouse and deck layouts on all types of craft.

The system creates an easy way to relocate seats on the boat or remove them completely. Payload space can be created in front of, behind, or between personnel as required.

The system can also be utilized to secure the payload using Shoxs maritized tie-down fittings.



## SPECIFICATIONS AND OPTIONS

### MOUNTING

- SURFACE MOUNT

### MATERIAL

- 6061 - T6 EXTRUDED ALUMINUM

### FINISH

- GREY METAL

### FITTINGS

- TIE DOWN FITTINGS
- NUT AND BOLT FITTINGS

### VARIANTS

- LINEAR QUICK-RELEASE CAM LATCHING SYSTEM (NO TOOLS REQUIRED)
- LATERAL QUICK RELEASE CAM LATCHING SYSTEM (NO TOOLS REQUIRED)
- BOLT DOWN SECURING SYSTEM (ONE TOOL REQUIRED)

## SPECIFICATIONS AND OPTIONS

### MOUNTING

- ARMREST MOUNT

### MATERIAL

- ALUMINUM

### FINISH

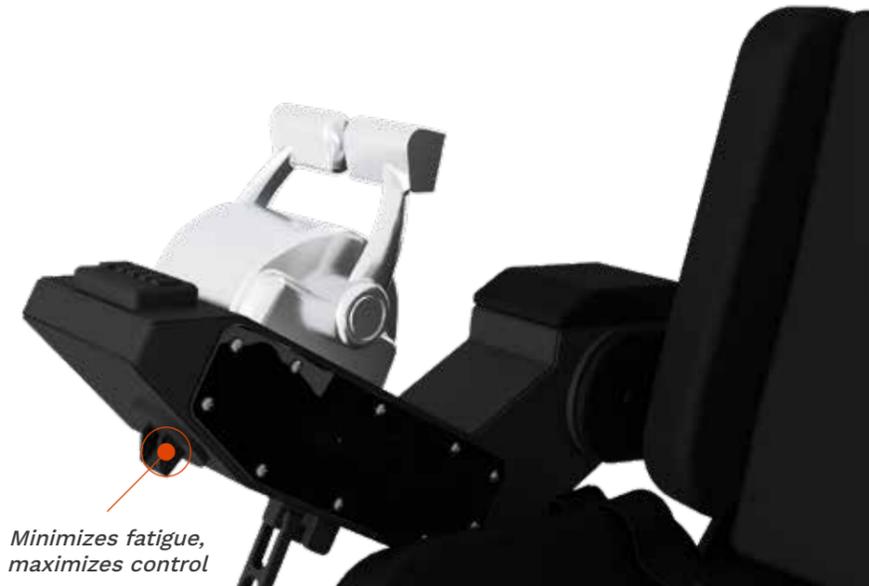
- GREY OR BLACK METAL

### BASE WEIGHT

- 6.8 KG / 15 LB

## THROTTLE CONTROLS

For use in helm/operator seating, armrest mounted controls provide an ergonomic, safe way for operators to experience shock mitigation and precise engine control simultaneously. The controls allow the binnacle to be in mitigation with the occupant, optimizing performance and minimizing fatigue.



*Minimizes fatigue, maximizes control*

## LAPTOP TRAY

The laptop tray allows the occupant to utilize the tray to operate onboard laptop computers or tablets. Makes a perfect space for filling out log books or writing citations. The tray folds up and out of the way so the occupant can enter or exit the seat.



*Build to withstand extreme maritime environments*

## NITROGEN FILL KIT

A compact, on-board kit for confirming pressure and charging Shoxs isolators. A digital display of the isolator condition makes it easy to quickly inspect multiple seats during pre-deployment checks. Comes with stow/transport bag. Easy port connection and pressure safety valves prevent over filling. Includes refillable Nitrogen bottle.



*Stow bag ensures all components stay together*

## SPECIFICATIONS AND OPTIONS

### MOUNTING

- ARMREST MOUNT
- LEFT OR RIGHT INSTALL

### MATERIAL

- 316 STAINLESS STEEL, CNC ALUMINUM

### FINISH

- GREY METAL

### FUNCTIONALITY

- FOLD UP

## SPECIFICATIONS AND OPTIONS

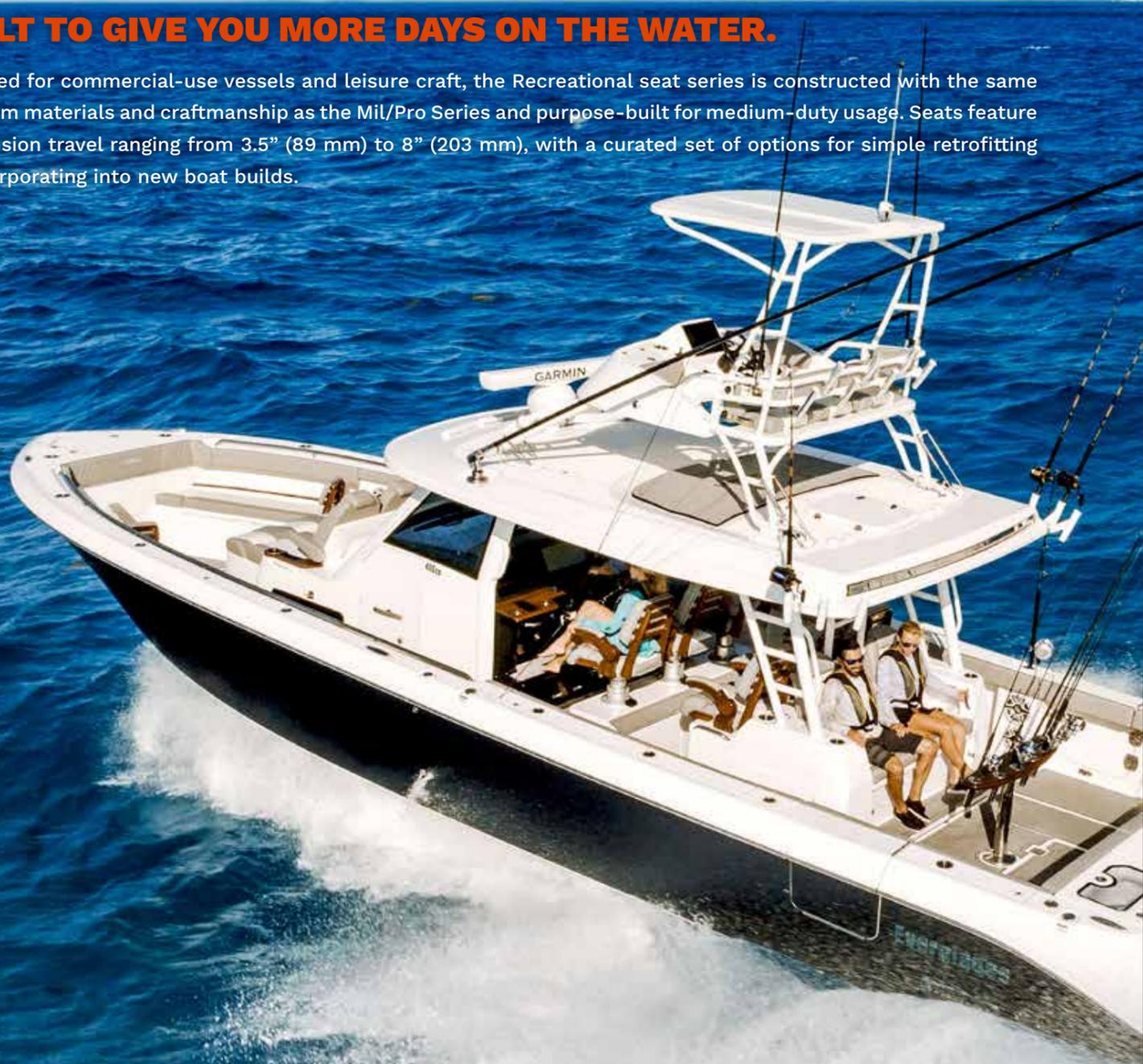
### INCLUDES

- DIGITAL GAUGE + CHARGING HOSE
- REFILLABLE NITROGEN BOTTLE
- NITROGEN REFILL VALVE + HOSE
- STORAGE BAG (25CM X 20CM X 15CM)

# RECREATIONAL

## BUILT TO GIVE YOU MORE DAYS ON THE WATER.

Designed for commercial-use vessels and leisure craft, the Recreational seat series is constructed with the same premium materials and craftsmanship as the Mil/Pro Series and purpose-built for medium-duty usage. Seats feature suspension travel ranging from 3.5" (89 mm) to 8" (203 mm), with a curated set of options for simple retrofitting or incorporating into new boat builds.



## OVERVIEW: REC/COM SERIES

For fully integrated seats with suspension pedestals, select from jockey or bucket-style. The suspension seat pedestals integrate with nearly any marine helm seat on the market, turning any boat seat into a shock-absorbing seat.



BUCKET  
PAGES 54-55



CASTER  
PAGES 56-67



X4 PEDESTAL SEAT MOUNT  
PAGES 68-69



X8 PEDESTAL SEAT MOUNT  
PAGES 70-71

# BUILDING YOUR SEAT

Commercial and recreational seating systems mount on shock mitigating pedestal mounts, either directly to the deck or elevated on a box or riser. An adjustable mounting flange allows versatility in mounting heights. Seat mount pedestals integrate with any bucket with a standard 5.25" (133 mm) mounting plate.

Once the seat type is established, select the seat arrangement (low or high ride height), mechanical functionality (fixed or folding seat bucket), the upholstery color, and accessories.

## STEP-BY-STEP CONFIGURATION:

1

### SEAT TYPE

Select a Shoxs bucket or jockey style seat, or select another seat top from other helm seat suppliers.

5

### OPTIONS

Add functionality with accessories like restraints, arm rests, head rests, fore/aft adjustments, and more.

2

### MOUNTING

Pedestal seats mount directly to the deck or on an elevated platform. When mounting on a platform, ensure proper clearance underneath.

6

### COLOR

Clear hard coat anodized aluminum construction (Grey or black metal) with waterproof, UV-resistant upholstery in black.

3

### LINE-OF-SIGHT

Select low or high ride height depending on the vessel's layout and visibility requirements.

#### DIDN'T FIND WHAT YOU NEED?

For custom applications and options email [sales@shoxs.com](mailto:sales@shoxs.com)

4

### FUNCTIONALITY

Bucket-style seats can have a full-sized seat base or a flip-up bolster.



## EXAMPLE SELECTIONS

**SEATS: 3200-X4**

**PRODUCT LINE: REC**

**SEAT TYPE: BUCKET**

**MOUNT: DECK**

**LINE OF SIGHT: LOW**

**FUNCTIONALITY: HEIGHT ADJUST**

**OPTIONS: NONE**

**COLOR: BLACK UPHOLSTERY**

## STANDARD OPTIONS

### SEAT

- FIXED

### MOUNTING

- BOX MOUNT
- MOUNTS TO ANY PEDESTAL CONFIGURATION

### FUNCTIONALITY

- ARMRESTS

### FEATURES

- HAND GRIPS
- 2-POINT HARNESS (LAP BELT)

### COLOR

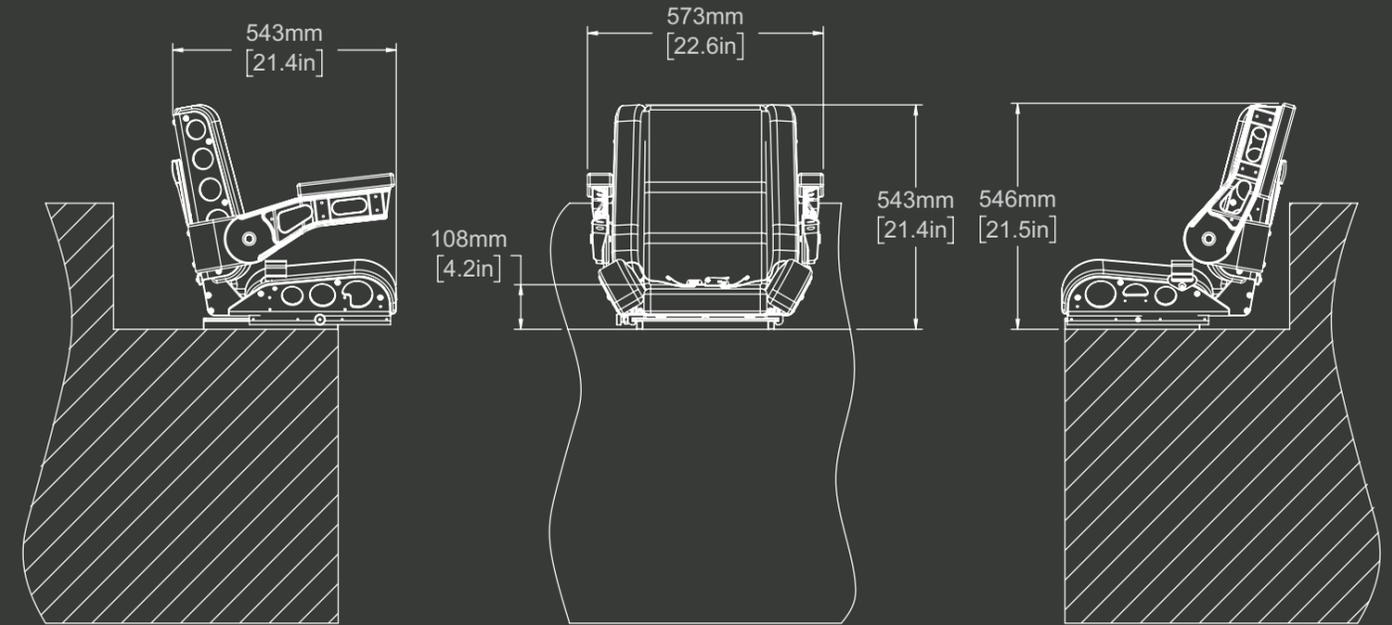
- GREY METAL
- UPHOLSTERY: BLACK

### OPTIONS

- TALL BACKREST

## 3200 BUCKET OVERVIEW

A standalone bucket seat with no suspension for low-use passenger seating that will match shock mitigating helm and navigator seating.



## EXAMPLE SELECTIONS



X4 and X8 Pedestals can be found on Page 68-71

## SPECIFICATIONS: SHOXS 2200

<b>SUSPENSION TRAVEL</b>	Fixed
<b>BASE WEIGHT</b>	18.4 kg / 40.5 lb
<b>MATERIAL</b>	CNC Aluminum, 316 SS
<b>FINISH</b>	Hard Anodized: Aluminum
<b>UPHOLSTERY</b>	Waterproof Marine Vinyl, UV Stable and Mold Resistant, Black

## STANDARD OPTIONS

### SEAT

- FOLDING BUCKET

### MOUNTING

- DECK OR BOX MOUNT

### FUNCTIONALITY

- FOLDING ARM RESTS
- RECLINE
- STORAGE POCKET
- FLIP UP SEAT BOLSTER

### OPTIONS

- HEIGHT ADJUSTMENT
- FORE/AFT SLIDER
- SWIVEL

### COLOR

- GREY METAL
- UPHOLSTERY: WHITE
- PLASTIC BACK: WHITE

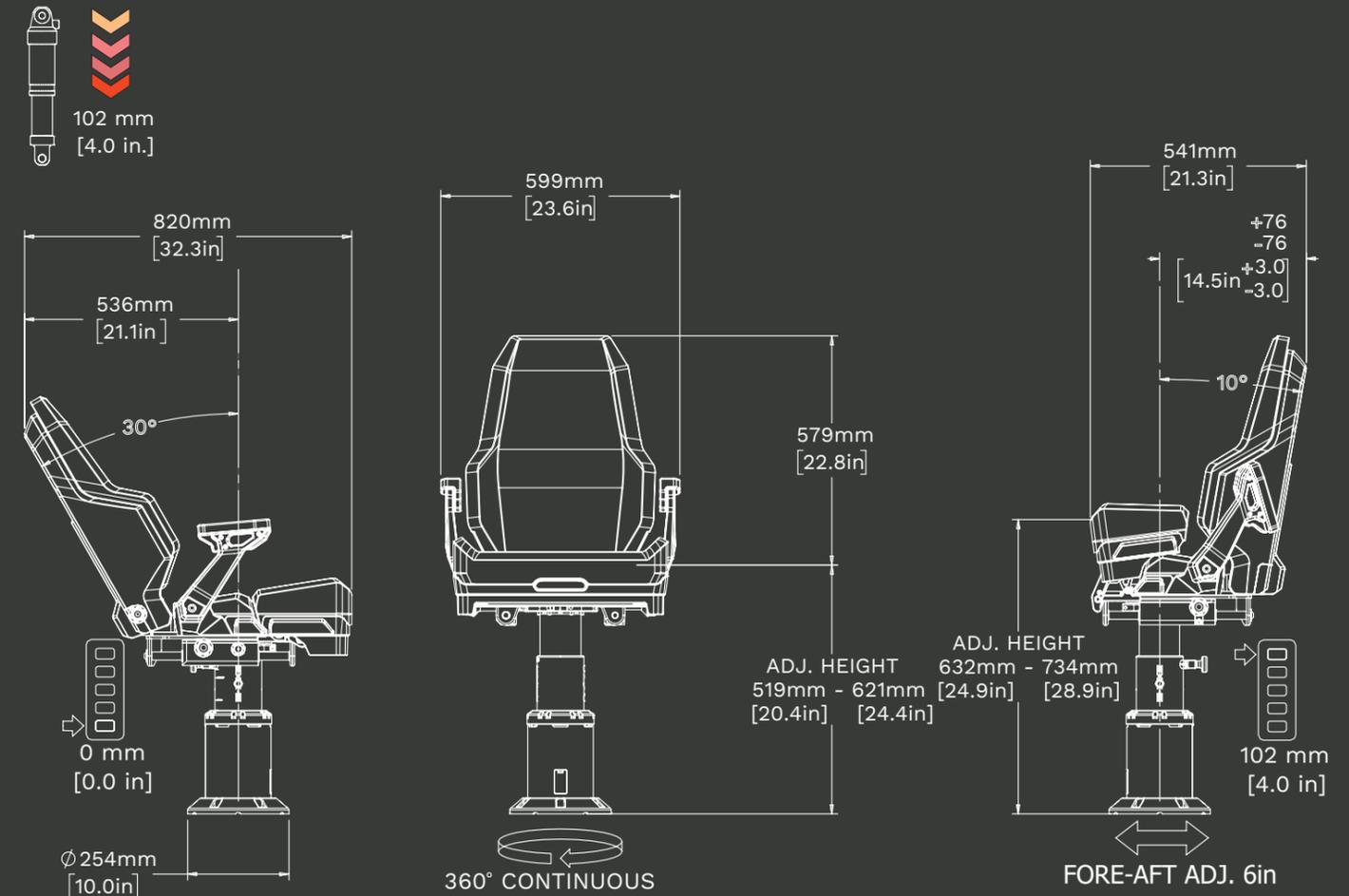
## HELMCASTER X4 SEAT OVERVIEW

A folding bucket seat with low ride height and 4.4 inches (112 mm) of suspension travel. Ideal for helm, navigator, or passenger seating in center console or cabin-style vessels.



Fold-up bolster

Adjustable flange for surface or flush mount configuration



## SPECIFICATIONS: SHOX5 HELMCASTER X4

<b>SUSPENSION TRAVEL</b>	112 mm / 4.4 in
<b>BASE WEIGHT</b>	32 kg / 70 lb
<b>MATERIAL</b>	Fiber reinforced composite, 316 SS, anodized aluminum
<b>UPHOLSTERY</b>	Waterproof Marine Vinyl, UV Stable and Mold Resistant, White
<b>MOUNTING</b>	Deck, Box

## STANDARD OPTIONS

### SEAT

- FOLDING BUCKET

### MOUNTING

- DECK MOUNT

### FUNCTIONALITY

- FOLDING ARM RESTS
- RECLINE
- STORAGE POCKET
- FLIP UP SEAT BOLSTER

### OPTIONS

- HEIGHT ADJUSTMENT
- FORE/AFT SLIDER
- SWIVEL

### COLOR

- GREY METAL
- UPHOLSTERY: WHITE
- PLASTIC BACK: WHITE

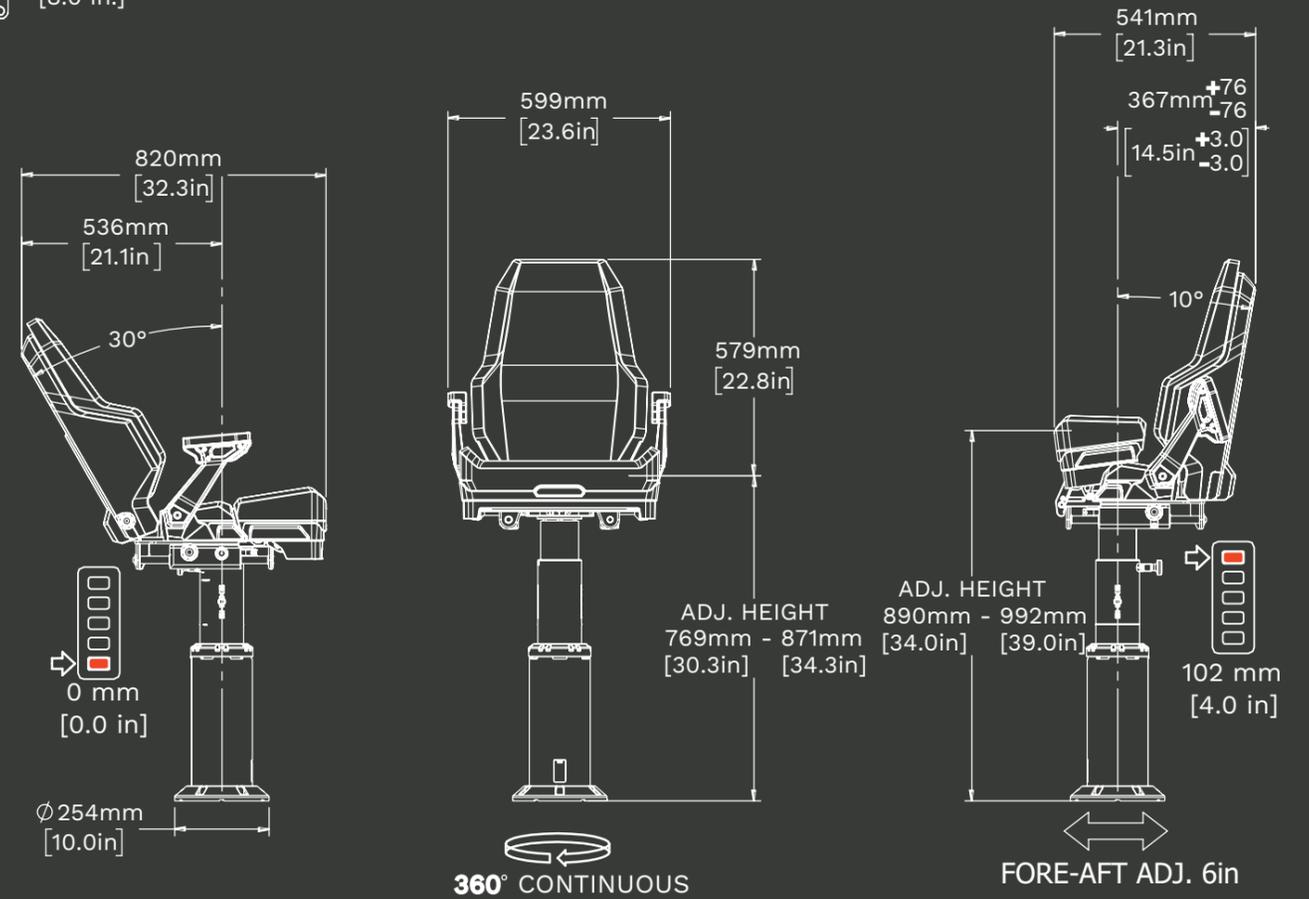
## HELMCASTER X8 SEAT OVERVIEW

A fixed bucket seat with a taller ride height and 8 inches (203 mm) of suspension travel. Ideal for helm, navigator, or passenger seating in center console or cabin-style vessels.



Fold-up bolster

Adjustable flange for surface or flush mount configuration



## SPECIFICATIONS: SHOX5 HELMCASTER X8

<b>SUSPENSION TRAVEL</b>	203 mm / 8 in
<b>BASE WEIGHT</b>	35 kg / 77 lb
<b>MATERIAL</b>	Fiber reinforced composite, 316 SS, anodized aluminum
<b>UPHOLSTERY</b>	Waterproof Marine Vinyl, UV Stable and Mold Resistant, White
<b>MOUNTING</b>	Deck

## STANDARD OPTIONS

### SEAT

- FIXED BUCKET

### MOUNTING

- DECK OR BOX MOUNT

### FUNCTIONALITY

- FOLDING ARM RESTS
- RECLINE
- STORAGE POCKET

### OPTIONS

- HEIGHT ADJUSTMENT
- FORE/AFT SLIDER
- SWIVEL

### COLOR

- GREY METAL
- UPHOLSTERY: WHITE

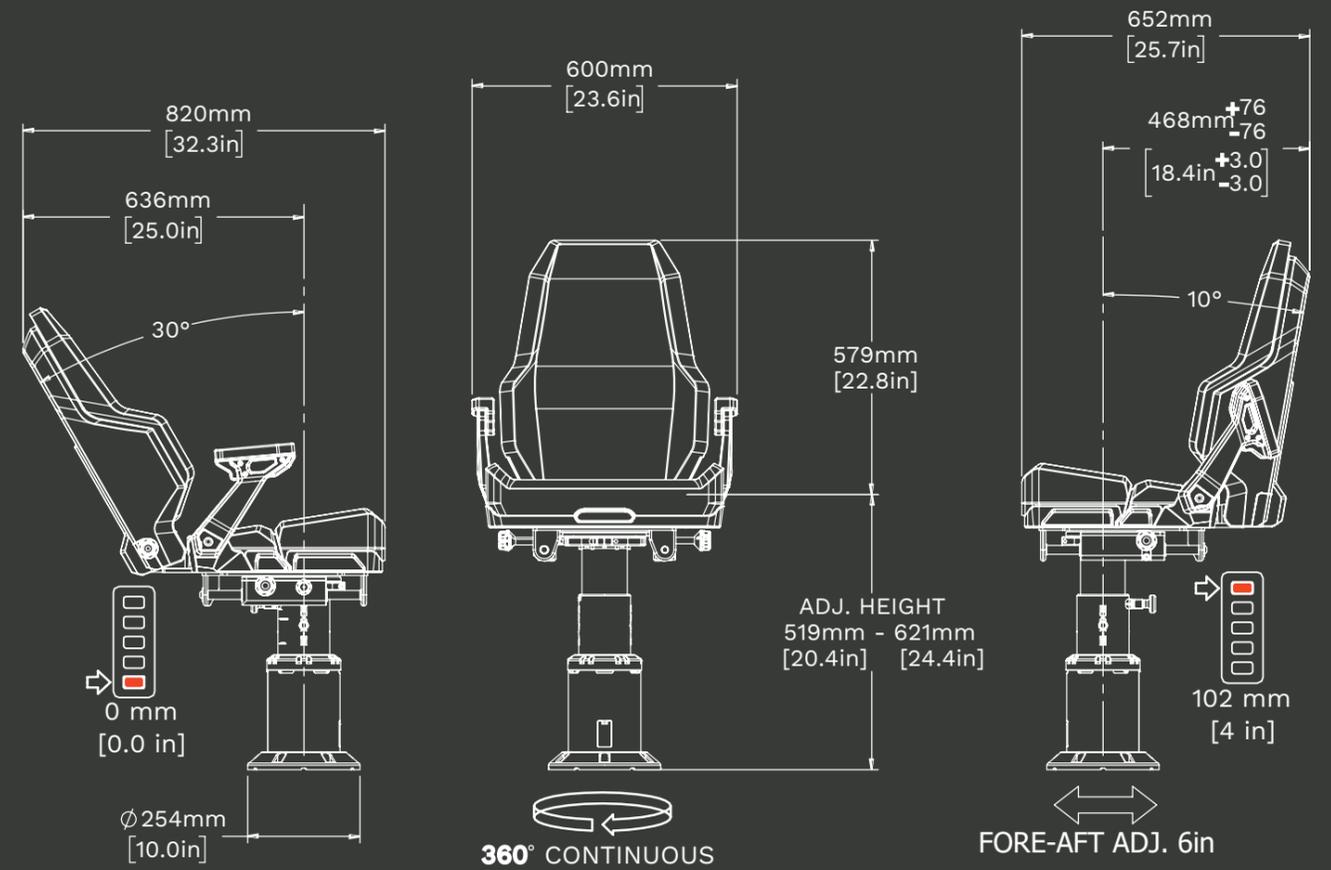
## SALTCASTER X4

A fixed bucket seat with low ride height and 4.4 inches (112 mm) of suspension travel. Ideal for helm, navigator, or passenger seating in center console or cabin-style vessels.



Reclining back rest

Adjustable flange for surface or flush mount configuration



## SPECIFICATIONS: SHOX5 SALTCASTER X4

<b>SUSPENSION TRAVEL</b>	112 mm / 4.4 in
<b>BASE WEIGHT</b>	32 kg / 70 lb
<b>MATERIAL</b>	Fiber reinforced composite, 316 SS, anodized aluminum
<b>UPHOLSTERY</b>	Waterproof Marine Vinyl, UV Stable and Mold Resistant, White
<b>MOUNTING</b>	Deck, Box

## STANDARD OPTIONS

### SEAT

- FIXED BUCKET

### MOUNTING

- DECK MOUNT

### FUNCTIONALITY

- FOLDING ARM RESTS
- RECLINE
- STORAGE POCKET

### OPTIONS

- HEIGHT ADJUSTMENT
- FORE/AFT SLIDER
- SWIVEL

### COLOR

- GREY METAL
- UPHOLSTERY: WHITE

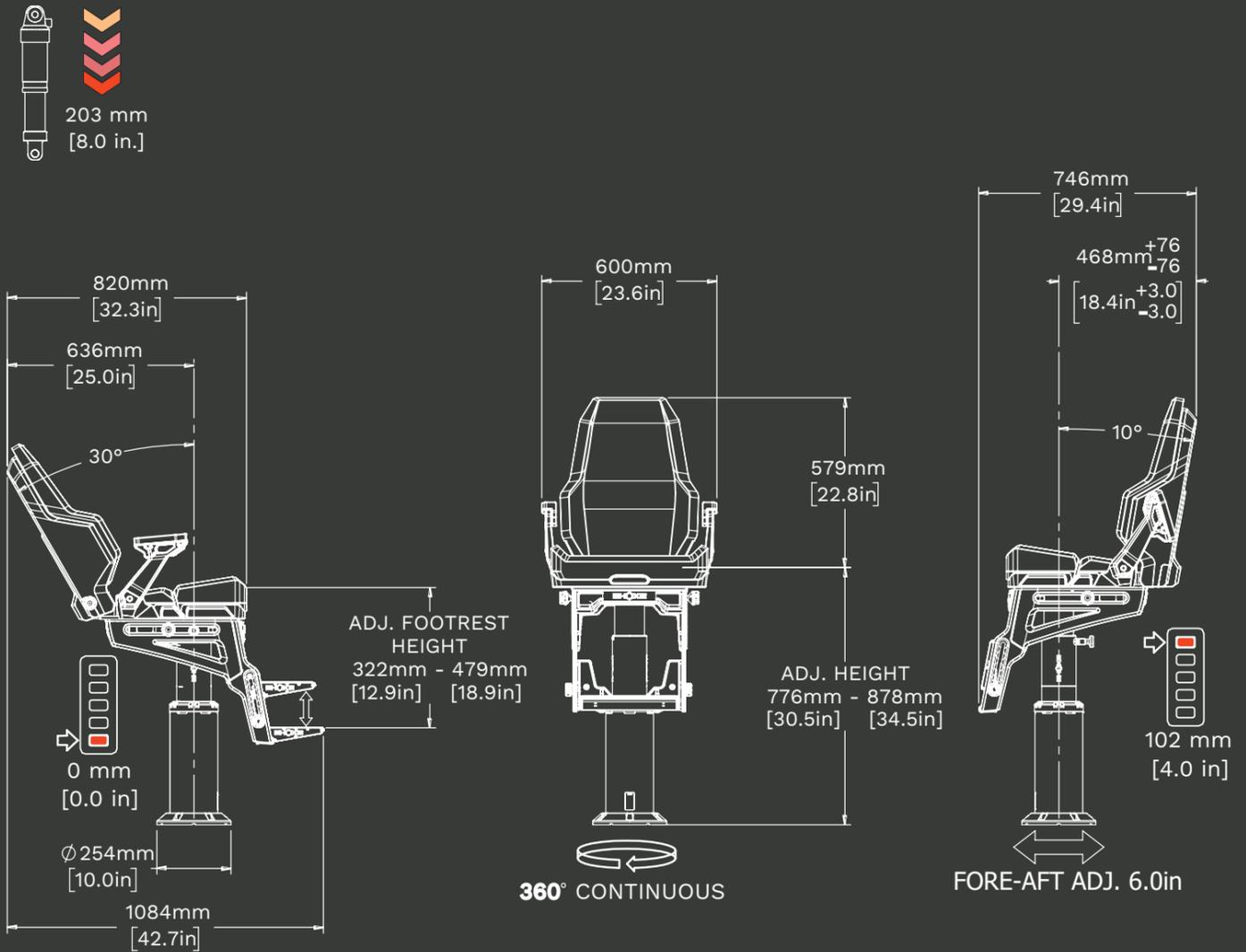
## SALTCASTER X8 SEAT OVERVIEW

A fixed bucket seat with a taller ride height and 8 inches (203 mm) of suspension travel. Ideal for helm, navigator, or passenger seating in center console or cabin-style vessels.



Optional footrest

Adjustable flange for surface or flush mount configuration



## SPECIFICATIONS: SHOX5 SALTCASTER X8

<b>SUSPENSION TRAVEL</b>	203 mm / 8 in
<b>BASE WEIGHT</b>	35 kg / 77 lb
<b>MATERIAL</b>	Fiber reinforced composite, 316 SS, anodized aluminum
<b>UPHOLSTERY</b>	Waterproof Marine Vinyl, UV Stable and Mold Resistant, White
<b>MOUNTING</b>	Deck

## STANDARD OPTIONS

### SEAT

- FIXED BUCKET

### MOUNTING

- BOX MOUNT

### FUNCTIONALITY

- FOLDING ARM RESTS
- STORAGE POCKET

### COLOR

- GREY METAL
- UPHOLSTERY: WHITE

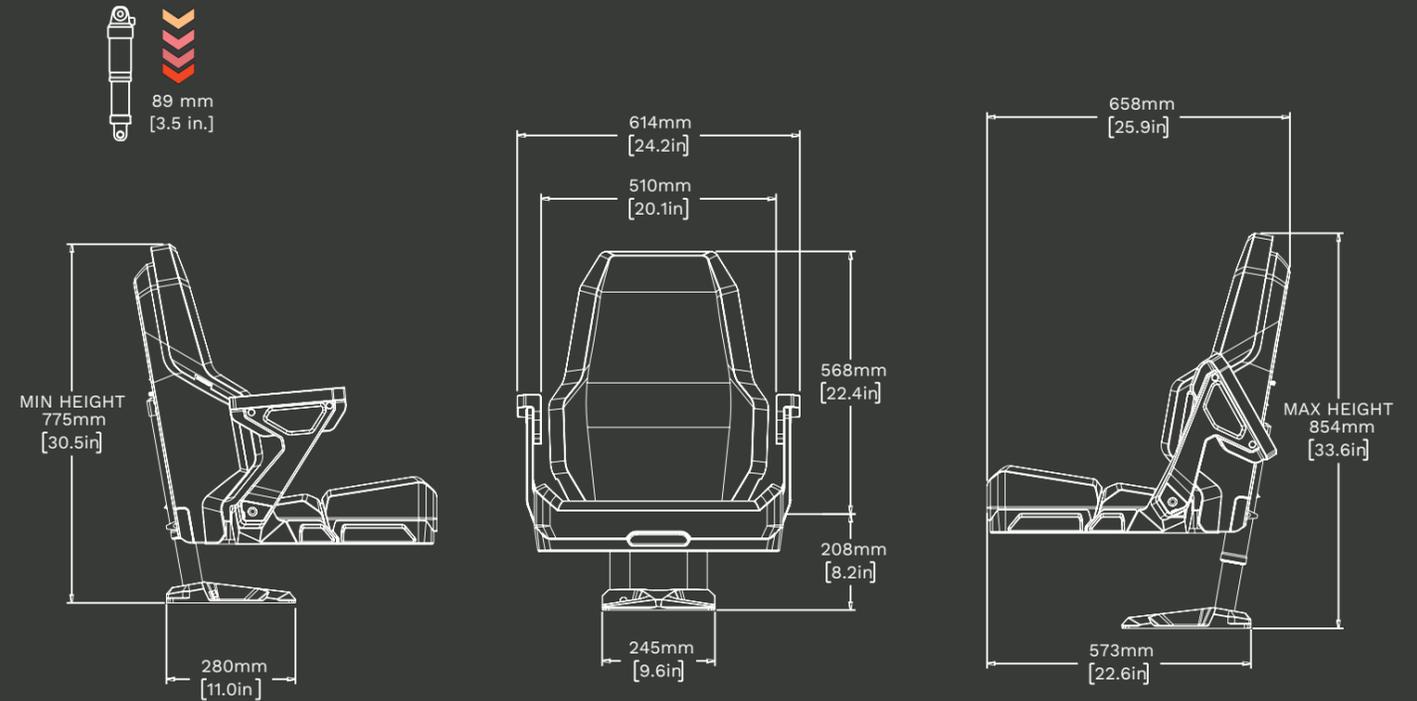
## SALTCASTER L3 SEAT OVERVIEW

A low profile, fixed bucket seat with a low ride height and 3.5 inches (89 mm) of suspension travel. Ideal for skiffs, bay boats, and near shore watercraft with limited space.



Ultra-low profile suspension base

Folding armrests



## SPECIFICATIONS: SHOX5 SALTCASTER L3

<b>SUSPENSION TRAVEL</b>	89 mm / 3.5 in
<b>BASE WEIGHT</b>	23.7 kg / 52.3 lb
<b>MATERIAL</b>	Fiber reinforced composite, 316 SS, anodized aluminum
<b>UPHOLSTERY</b>	Waterproof Marine Vinyl, UV Stable and Mold Resistant, White
<b>MOUNTING</b>	Box

## STANDARD OPTIONS

### SEAT

- FIXED BUCKET

### MOUNTING

- BOX MOUNT

### FUNCTIONALITY

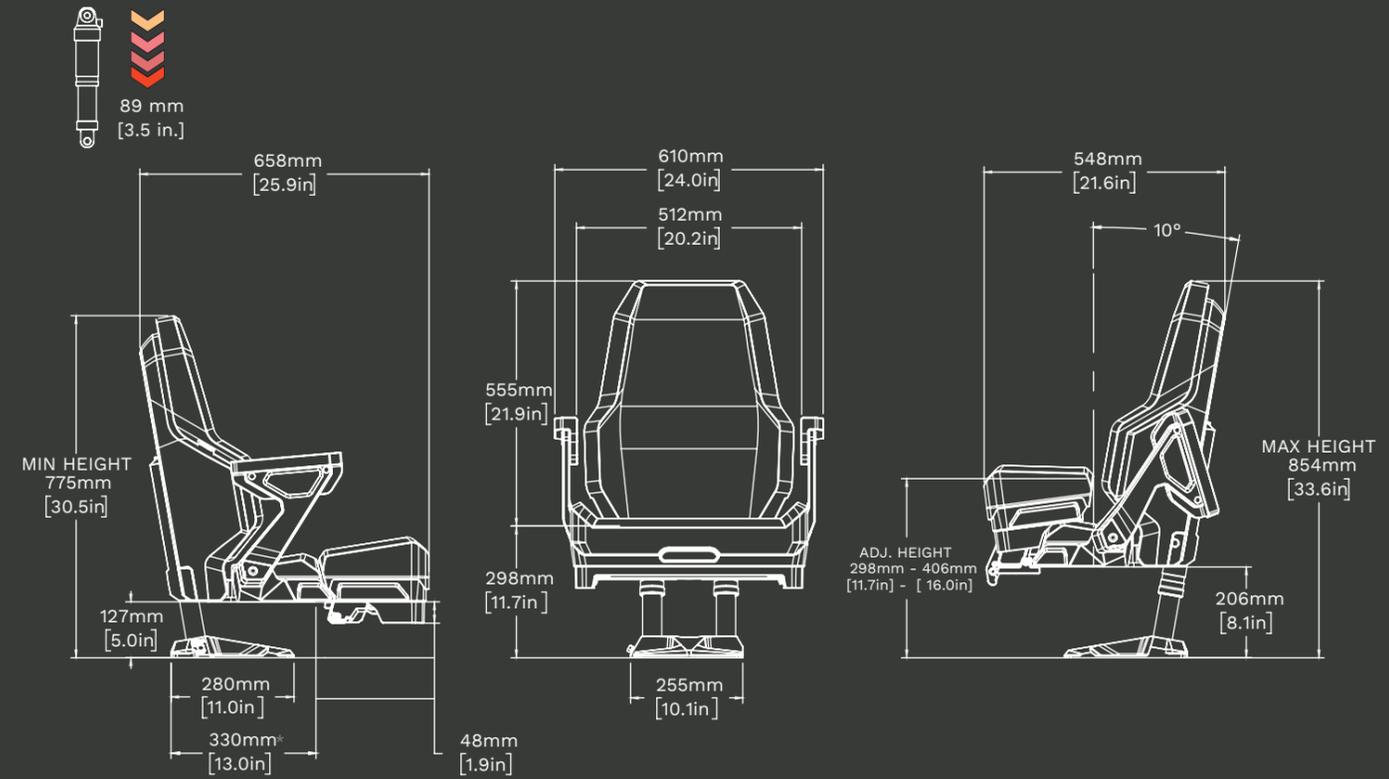
- FOLDING ARM RESTS
- STORAGE POCKET
- FLIP UP BOLSTER

### COLOR

- GREY METAL
- UPHOLSTERY: WHITE

## HELMCASTER L3 SEAT OVERVIEW

A low profile, fixed bucket seat with a flip up bolster, a low ride height and 3.5 inches (89 mm) of suspension travel. Ideal for skiffs, bay boats, and near shore watercraft with limited space.



## SPECIFICATIONS: SHOX5 HELMCASTER L3

<b>SUSPENSION TRAVEL</b>	89 mm / 3.5 in
<b>BASE WEIGHT</b>	23.7 kg / 52.3 lb
<b>MATERIAL</b>	Fiber reinforced composite, 316 SS, anodized aluminum
<b>UPHOLSTERY</b>	Waterproof Marine Vinyl, UV Stable and Mold Resistant, White
<b>MOUNTING</b>	Box

## AVAILABLE OPTIONS

### MOUNTING

- DECK
- BOX

### COLOR

- GREY OR BLACK METAL

### ADJUSTMENT OPTIONS

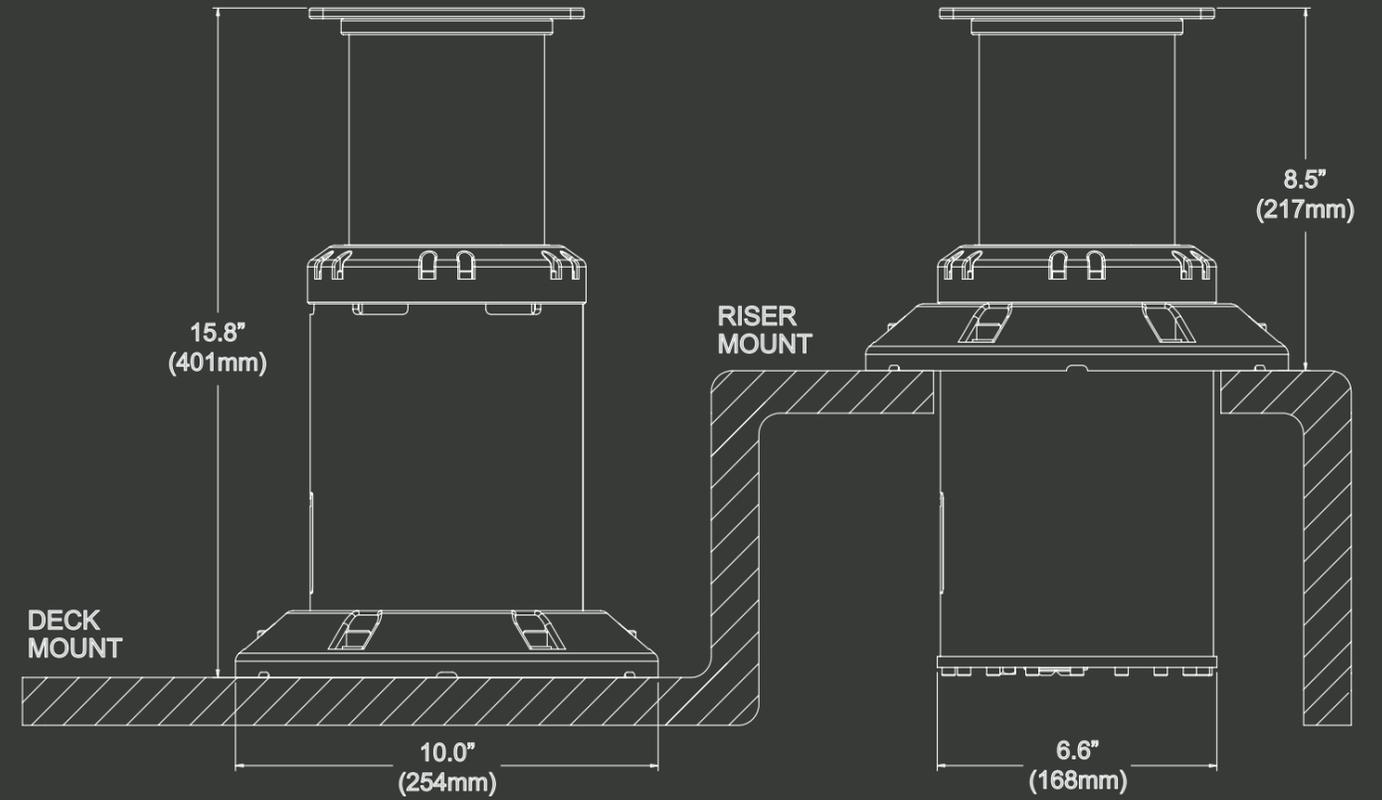
- HEIGHT ADJUST
- FORE/AFT
- SWIVEL



## X4 PEDESTAL OVERVIEW

A shock absorbing seat mount pedestal with 4.4 inches (112 mm) of suspension travel. Can be paired with any seat bucket with a 5.25" (133 mm) standard mounting plate for those who prefer a custom designed seat to match their vessel design.

Additional seat mounting adapters available.



### SPECIFICATIONS: SHOX5 X4 PEDESTAL

<b>SUSPENSION TRAVEL</b>	112 mm / 4 in
<b>BASE WEIGHT</b>	9 kg / 20 lb
<b>MATERIAL</b>	CNC Aluminum, 316 SS
<b>FINISH</b>	Hard Anodized: Aluminum

## AVAILABLE OPTIONS

### MOUNTING

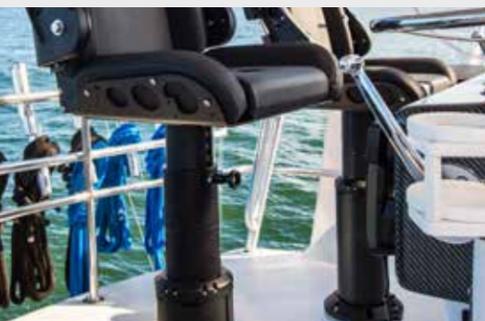
- DECK
- BOX

### COLOR

- GREY OR BLACK METAL

### ADJUSTMENT OPTIONS

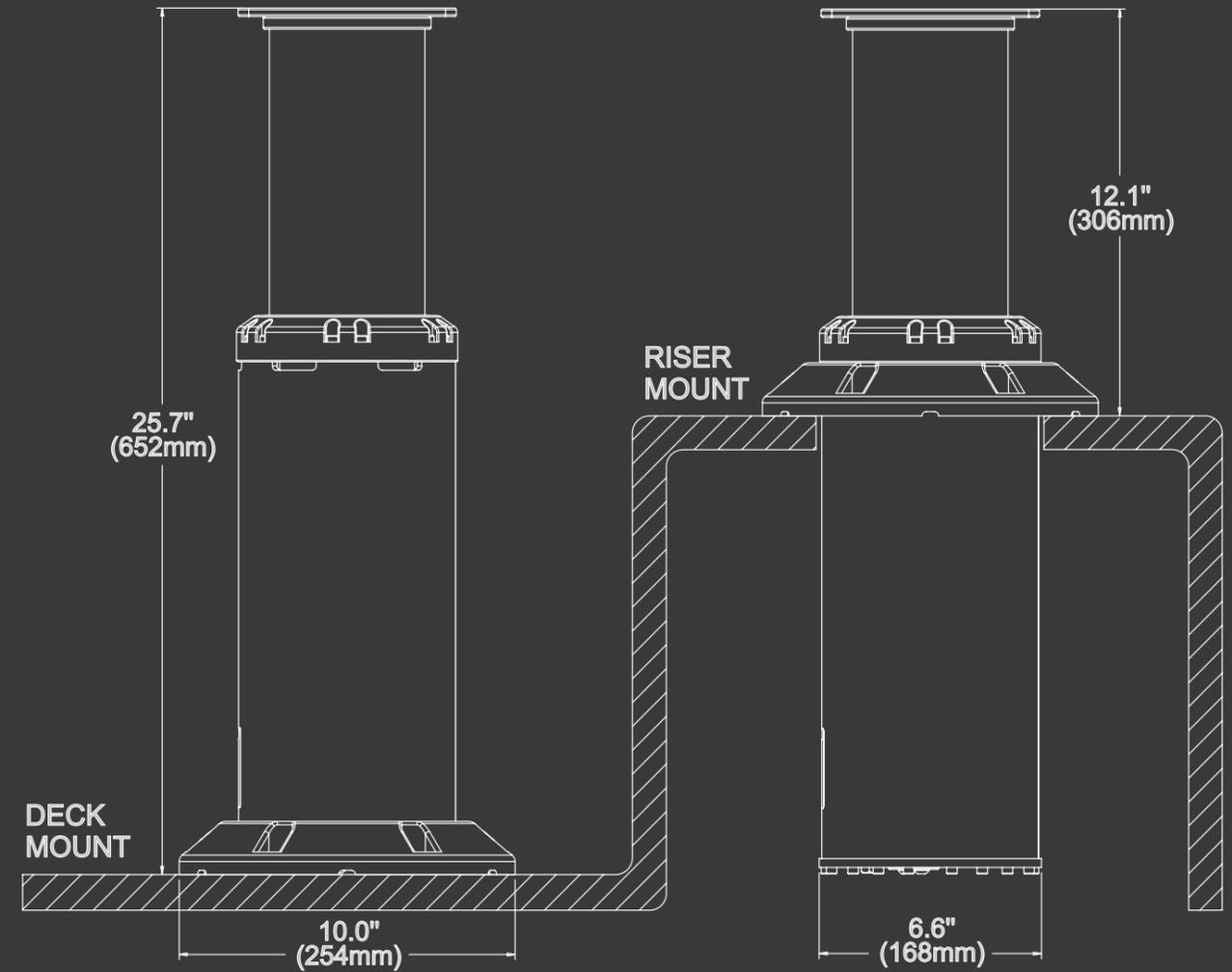
- HEIGHT ADJUST
- FORE/AFT
- SWIVEL



## X8 PEDESTAL OVERVIEW

A shock absorbing seat mount pedestal with 8 inches (203 mm) of suspension travel. Can be paired with any seat bucket with a 5.25" (133 mm) standard mounting plate for those who prefer a custom designed seat to match their vessel design.

Additional seat mounting adapters available.



### SPECIFICATIONS: SHOX5 X8 PEDESTAL

<b>SUSPENSION TRAVEL</b>	203 mm / 8 in
<b>BASE WEIGHT</b>	12 kg / 26 lb
<b>MATERIAL</b>	CNC Aluminum, 316 SS
<b>FINISH</b>	Hard Anodized: Aluminum



# “THERE ARE VERY FEW THINGS”

**ON AN INTERDICTION VESSEL OR PLATFORM THAT  
ARE BUILT TO TAKE THE PUNISHMENT OF A VESSEL  
CHASE DAY-IN AND DAY-OUT, BUT THESE PRODUCTS  
ARE BUILT THAT WAY.**

- Director, National Marine Center, DHS

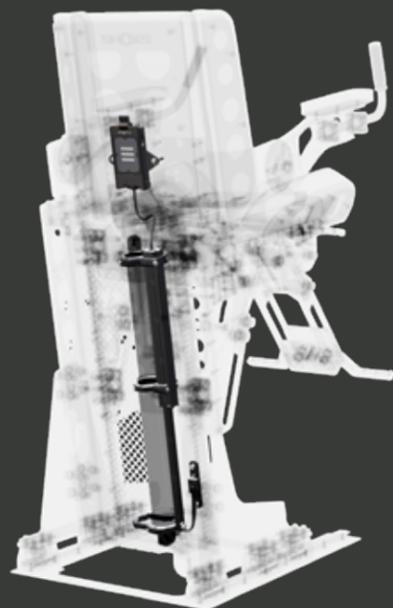
# KINETIX

## OUR TECHNOLOGY

Fast boat hulls, and their crews and passengers, experience severe shock and vibration levels when operating at high speed at sea. Most hulls designed for extreme conditions are still subject to damage from extreme impacts.

Military, search and rescue, and civil boat crews have been injured and vessels have been damaged by overexposure to shock and vibration. Similar to other safety critical equipment on many land, sea and air platforms, high speed vessels can be fitted with monitoring systems to ensure that they are working safely and effectively.

Kinetix, a shock monitoring system consisting of hardware, software, and analytics services, allows maritime agencies to use impact data to monitor short- and long-term shock and vibration exposure, investigate high impact events, and predict vessel maintenance intervals.



- Kinetix provides easily assimilated feedback to crews to allow informed decision making in real time.
- Kinetix is the only system that can measure crew exposures in legally meaningful terms.
- Kinetix is the only system that measures hull exposure relevant to class codes and other acceleration limits.
- Kinetix is the only system that can meaningfully assess the performance of marine suspension seats.

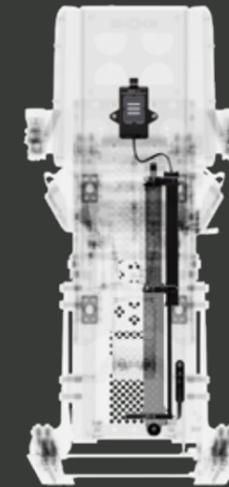




## OVERVIEW: KINETIX

Kinetix monitoring systems record and interpret impacts acting on the seats, crew, hull, or vessel-mounted equipment using marinized sensors, a selection of real-time display units, and sophisticated data analytics.

The acquired crew, hull and/or seat data can be uploaded to the KINETIX Analytics server for data storage and analysis. The Kinetix Concierge Service gives agencies direct access to internationally recognized in-house experts in fast boat shock and vibration analysis to support specific research projects and regular reporting requirement



MONITORING SYSTEMS  
PAGES 92-96



SENSORS AND HARDWARE  
PAGE 97

# BUILDING YOUR **KINETIX** SYSTEM

High resolution data is logged in a compact, low maintenance system processing unit that can mount directly to the hull or interface with nearly any shock-mitigation seat on the market.

Customize your Kinetix system by selecting from a set of measurement modules, on-board displays, networking and data storage configurations, and custom reporting from a team of scientists whose knowledge is unmatched in the industry.

## STEP-BY-STEP CONFIGURATION:

1

### MEASUREMENT

Select the measurement module: hull, crew, seats, or equipment.

4

### NETWORKING

Select wired or wireless on-board networking.

2

### SYSTEM POWER

Select from battery power or vessel power.

5

### DATA STORAGE

Select data storage requirements configured to your application.  
\*\*data storage optional

3

### ON-BOARD DISPLAY

Select a display option for real-time alerts and system feedback.  
\*display optional

6

### ANALYTICS

Choose from a range of reports regarding the vessel or fleet.



## EXAMPLE SELECTIONS

### KINETIX

**MEASUREMENT:** CREW

**DISPLAY:** DEDICATED 3.5-INCH DASH DISPLAY

**CONSULTANCY:** BI-ANNUAL REPORTS

## COMPONENTS

### SYSTEM PROCESSING UNIT

- TRIAXIAL ACCELEROMETER
- SIGNAL PROCESSING
- DATA ACQUISITION RATES UP TO 1 KHZ

### DECK ACCELEROMETER

- ADDITIONAL TRIAXIAL ACCELEROMETER

### ON BOARD DISPLAY

- REAL TIME CREW EXPOSURE LEVELS
- REAL TIME HULL ACCELERATION LEVELS

## COMPONENTS

### SYSTEM PROCESSING UNIT

- TRIAXIAL ACCELEROMETER
- SIGNAL PROCESSING
- DATA ACQUISITION RATES UP TO 1 KHZ

### DECK ACCELEROMETER

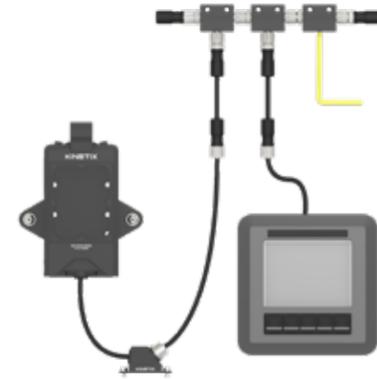
- ADDITIONAL TRIAXIAL ACCELEROMETER

### DIGITAL LOG BOOK

- HOURS OF ON-BOARD STORAGE

### OPTIONAL CONCIERGE SERVICES

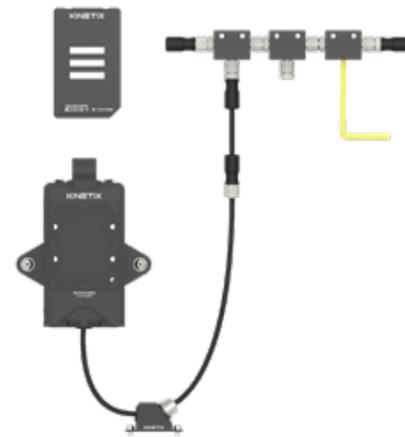
- PERIODIC FLEET-WIDE REPORTING
- SEAT OPTIMIZATION
- INCIDENT INVESTIGATION
- SEAT OPTIMIZATION



## OPERATOR EDITION

Suited for individual vessel operators.

- Real-time display can show seat, crew and/or hull performance.
- Configurable warnings provide alerts of impact exposure thresholds.



## RESEARCHER EDITION

Suited for naval architects and consultants concerned with post-transit analysis.

- Data recorder gathers impact exposure measurements.
- Long term vessel exposure records inform inspection and maintenance.



## COMPONENTS

### SYSTEM PROCESSING UNIT

- TRIAXIAL ACCELEROMETER
- SIGNAL PROCESSING
- DATA ACQUISITION RATES UP TO 1 KHZ
- BATTERY POWER

### DECK ACCELEROMETER

- ADDITIONAL TRIAXIAL ACCELEROMETER

### DIGITAL LOG BOOK

- HOURS OF ON-BOARD STORAGE

### ON BOARD DISPLAY

- REAL TIME HULL ACCELERATION LEVELS

### OPTIONAL CONCIERGE SERVICES

- PERIODIC FLEET-WIDE REPORTING
- SEAT OPTIMIZATION
- INCIDENT INVESTIGATION
- SEAT OPTIMIZATION

## COMPONENTS

### SYSTEM PROCESSING UNIT

- TRIAXIAL ACCELEROMETER
- SIGNAL PROCESSING
- DATA ACQUISITION RATES UP TO 1 KHZ
- BACK UP BATTERY POWER

### DECK ACCELEROMETER

- ADDITIONAL TRIAXIAL ACCELEROMETER

### DIGITAL LOG BOOK

- HOURS OF ON-BOARD STORAGE

### ON BOARD DISPLAY

- REAL TIME ACCELERATION LEVELS

### DISPLACEMENT SENSOR

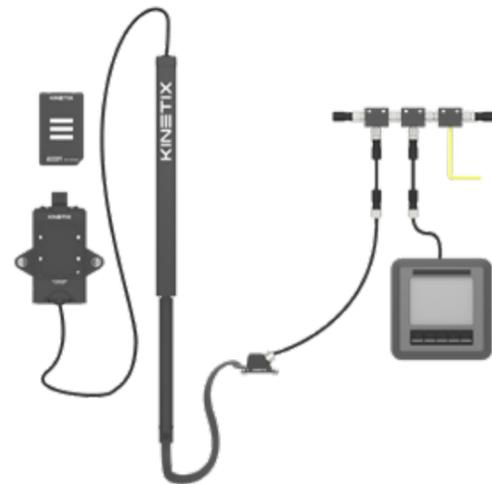
- SUSPENSION SEAT TRAVEL



## FLEET EDITION

Suited for maritime agencies concerned with monitoring wave impacts.

- Real time monitoring to alert the operator of potentially harmful impacts.
- Long term vessel exposure records inform inspection and maintenance.



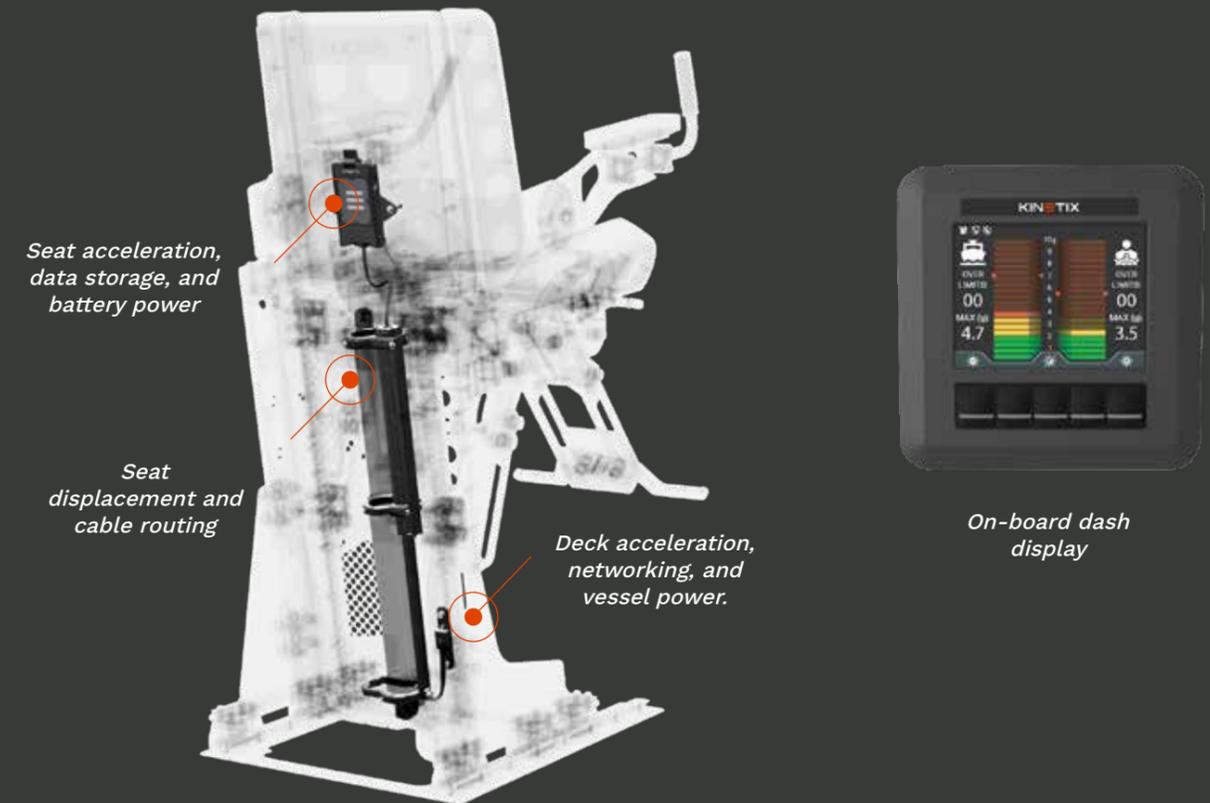
## AGENCY EDITION

Suited for maritime agencies concerned with monitoring the performance of shock mitigating seating and impacts on the hull.

- Automated crew tracking alerts operators and fleet managers of time-to-limit warnings or exposure thresholds.
- Provides a long-term record of every wave impact encountered to inform incident investigations.
- All major crew exposure metrics may be selected including the ISO standard A(8) and VDV methods specified in European legislation.

## SENSORS AND HARDWARE

Each Kinetix measurement module consists of a data storage and processing unit and acceleration sensors. For seat measurement modules, displacement sensors are included. Kinetix hardware is laboratory-grade high resolution instrumentation, yet marinated to capture sensitive motion and function in harsh saltwater environments.



## SPECIFICATIONS

ACCELERATION	DISPLACEMENT	DATA STORAGE	POWER	NETWORK
Tri-axial X, Y, Z with gyro	Infrared laser ranging	64 GB flash memory	Lithium battery	NMEA 2000 compatible hardware
Up to 1 kHz recording	50 Hz recording	Up to 2000 hours logging	12-24 V power input	Bluetooth v5.0 (optional)
+/- 30 g range	1 mm resolution	7+ data channels		
1 mg resolution		Real-time clock stamped		

## BUCKET SEATS



2000  
BUCKET SEAT  
FIXED SEAT BASE



4600  
BUCKET SEAT  
FOLDING SEAT BASE



4800  
BUCKET SEAT  
FOLDING SEAT BASE  
FULL BODY SUSPENSION

## JUMP SEATS



8180  
JUMP SEAT

## NON-MITIGATED SEATS



6100  
BUCKET SEAT  
FOLDING SEAT BASE



6300  
BUCKET SEAT  
FOLDING SEAT BASE



8100  
NON-MITIGATED JUMP SEAT

## BASE JOCKEY SEATS



5005  
JOCKEY SEAT  
HEIGHT ADJUSTABLE OPTIONAL

## 5005 CONFIGURED TANDEM JOCKEY SEATS



5005 + 5050  
TANDEM JOCKEY SEATS



5005 + 5105  
TANDEM JOCKEY SEATS

## 5605 CONFIGURED TANDEM JOCKEY SEATS



5605 + 5705  
TANDEM JOCKEY SEATS

## ACCESSORIES



SHOXS TRAXS  
DECK MOUNTING SYSTEM



ADJUSTABLE HEIGHT FOOTREST  
BULKHEAD MOUNTED (FOR BUCKET SEATS)



THROTTLE CONTROLS  
ARMREST MOUNTED



LAPTOP TRAY  
ARMREST MOUNTED



NITROGEN FILL KIT  
WITH TRAVEL BAG

## BUCKET SEATS



3200 BUCKET  
NON-MITIGATED BUCKET SEAT



SALTCASTER X4 / X8  
FIXED BASE BUCKET SEAT



HELMCASTER X4 / X8  
FOLDING BASE BUCKET SEAT



HELMCASTER X4 / X8  
FOLDING BASE BUCKET SEAT



SALTCASTER L3  
FIXED LOW PROFILE BUCKET SEAT

## SEAT MOUNTS



X4 X8  
SHOCK-MITIGATING PEDESTALS

## CONTACTS

### REGIONAL SALES

#### MIL/PRO AND RECREATIONAL

#### EUROPE, MIDDLE EAST AND AFRICA

Andrew Hughes  
+44 773.032.8991  
ahughes@usscgroup.com

### US FEDERAL PROGRAMS

#### GLOBAL BUSINESS DEVELOPMENT

Bryan Wood  
+1 206.962.1986  
bwood@usscgroup.com

### GLOBAL SALES

Tony Van Meter  
+1 503.949.4672  
tmeter@usscgroup.com

### AMERICAS GENERAL INQUIRIES

#### SERVICE AND SUPPORT

+1 610.265.3610  
info@shoxs.com

### UK AND EUROPE GENERAL INQUIRIES

#### SERVICE AND SUPPORT

+44 (0) 845.389.9462  
+44 (0) 1202.263.2389  
shoxseu@usscgroup.com

**WE ARE SHOXS.  
WE ARE MARITIME.**

**WE ARE SCIENTISTS.  
WE ARE SAILORS.**

**WE LEAD SHOCK MITIGATION,  
HUMAN IMPACT,  
AND VIBRATION.**

**WE BELIEVE PREVENTION  
IS THE BEST PROTECTION.**

**TOGETHER, WE HAVE MORE  
DAYS ON THE WATER.**

