

ERGONOMIC MARINE SEATING PRODUCTS

MILITARY SEATING CATALOG



Available through:



- GSA Contract • Factory Direct
- Government Purchase Card
- U.S. Navy Shipboard Furniture Catalog



MADE IN U.S.A.

STIDD Systems, Inc.

www.stidd.com

DIRECT REPLACEMENT SEATING SOLUTIONS

ATTENTION GOVERNMENT BUYERS



NEW!

SPECIAL PURPOSE CHAIR:

Model 500N-7QR-CDS-2 (NSN 2090-01-606-2405), is the DLA and USN approved equivalent to Turnbull's "Chair, Pedestal, Shipboard" (NSN 2090-00-814-1101) and conveniently attaches to any existing "Plate, Mounting" (NSN 5340014767468).



500-100-BW

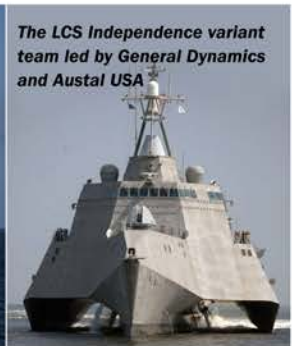
STIDD's "Chair, Shipboard Bridge Wing", Model 500-100-BW, fits onto the welded pipe stanchion of, and is a direct replacement for Turnbull's "Chair, Shipboard Bridge Wing" (NSN 2090-00-368-4788).

STIDD is committed to updating the aging WWII Era seating aboard US Navy ships with direct replacements for numerous existing shipboard legacy NSNs by offering unsurpassed quality and comfort in a full range of biomechanically correct seating products

All STIDD Military Seats are available in your choice of STIDD finishes, fabrics and colors. For further information, contact sales@stidd.com



The LCS Freedom variant team led by Lockheed Martin



The LCS Independence variant team led by General Dynamics and Austal USA

STIDD Systems, Inc. is proud to support the US Navy LCS (Littoral Combat Ship) program - with seats aboard both LCS variants. The Littoral Combat Ship (LCS) class is a fast, agile, focused-mission platform designed for operation in near-shore environments yet capable of open-ocean operation.

STIDD WINS NAVY LCS & CDS SEAT CONTRACTS

STIDD has been selected to provide the Bridge seating for both variants of the cutting edge US Navy LCS (Littoral Combat Ship) program and is also provides the standard seating for the CDS (Common Display System) program, which provides standardized interchangeable systems for all classes of US Navy Ships.



ABOUT STIDD

STIDD Systems, Inc. manufactures a complete line of commercial and military seating, incorporating decades of expertise and knowledge in ergonomic design, human factors, and engineering. . . combined with the pursuit of perfection and an unyielding commitment to quality.

STIDD Systems, Inc. occupies a 2 acre shipyard with 62,000 square feet of computerized manufacturing facilities, design and administrative offices located on the Greenport, Long Island harbor, approximately 90 statute miles due east of New York City and 16 nautical miles southwest of New London, CT.

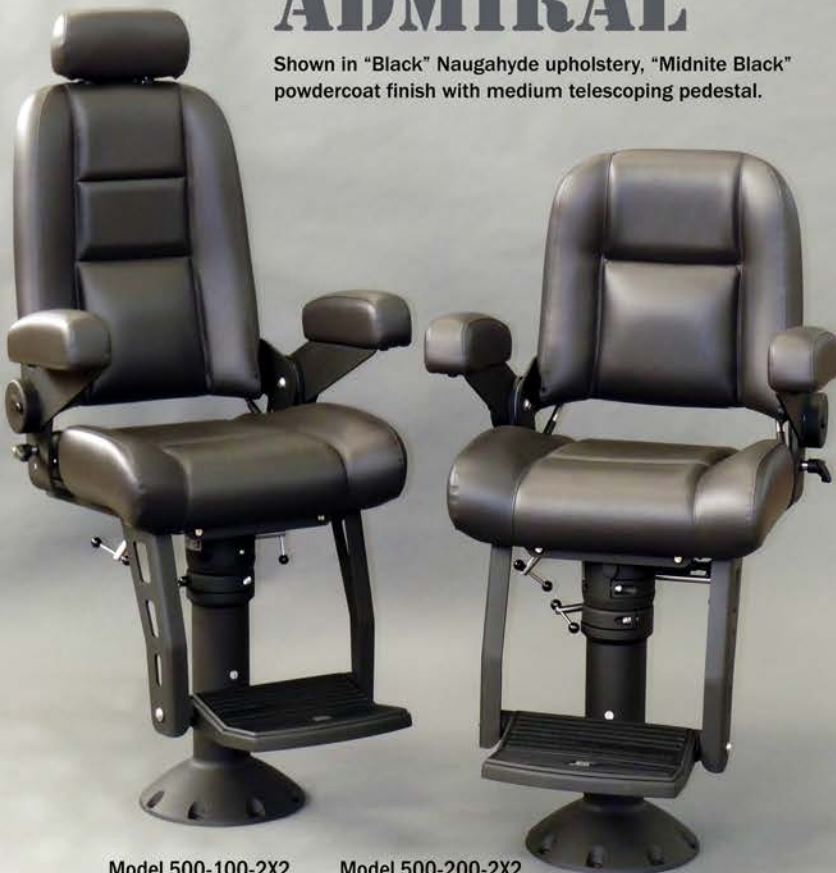


STIDD Systems' facility has been in continuous use as a shipyard since 1831. In World War I, the shipyard built 60 ft. patrol boats, and during World War II, the yard set Navy production records, delivering 440 136 ft. minesweepers and 1100 landing craft with a labor force of 7500 workers on three shifts.

500-100 HIGH BACK &
500-200 LOW BACK

ADMIRAL

Shown in "Black" Naugahyde upholstery, "Midnite Black" powdercoat finish with medium telescoping pedestal.



Model 500-100-2X2

Model 500-200-2X2

STIDD 500-100 High Back
U.S. Navy Shipboard Furniture
Catalog Number
B-3G-9

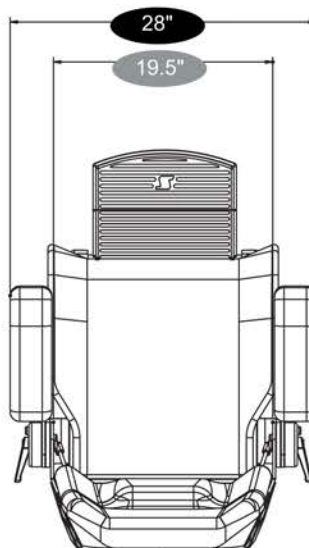
STIDD 500-200 Low Back
U.S. Navy Shipboard Furniture
Catalog Number
B-3G-10

To select the proper seat height range (SHR) measure from the deck to the seating surface. Pedestals are telescoping and provide the following Seat Height Ranges.

- (-1) TALL
31" to 39" telescoping SHR
- (-2) MEDIUM
26" to 34" telescoping SHR
- (-3) LOW
19" to 23" telescoping SHR

Choose from Naugahyde (Vinyl) or UltraLeather (Polyurethane) Upholstery in your choice of colors.

To request color samples email sales@stidd.com



SERIES 500

Admiral Helm Seats



All purpose Series 500 "Admiral" Helm Seats, fully equipped including fore/aft slides, telescoping pedestal, locking swivel, X2 folding footrest, reclining backrest, deck interface plate and seat hardware. Aluminum welded construction, baked-on powdercoat finish, stainless steel fittings, fully corrosion proofed. High Back (500-100) or Low Back (500-200) models. Choice of upholstery and powdercoat color. 28 inches wide.

STANDARD SERIES 500 FEATURES

360° swivel with 45° locking detents, 8" fore/aft slide, telescoping pedestal with 8" vertical height range, folding footrest, folding armrests and 40° reclining backrest.

SERIES 500-100 & 500-200

Net weight: 82 - 86 lbs.

Shipping weight: 98 - 106 lbs.

Ships in complete in one box via UPS or FedEx Worldwide.

Available through:



- GSA Contract • Factory Direct
- Government Purchase Card
- U.S. Navy Shipboard Furniture Catalog

SERIES 500N

Slimline Helm Seats



All purpose Series 500N "Slimline Admiral" Helm Seats provide all of the durability and comfort of our standard Series 500 in a trim 23" wide package. Fully equipped including fore/aft slides, telescoping pedestal, locking swivel, X2 folding footrest, reclining backrest, deck interface plate and seat hardware. Aluminum welded construction, baked-on powdercoat finish, stainless steel fittings, fully corrosion proofed. High Back (500NH) or Low Back (500N) models. Choice of upholstery and powdercoat color. 23 inches wide.

STANDARD SERIES 500N SLIMLINE FEATURES

360° swivel with 45° locking detents, 8" fore/aft slide, telescoping pedestal with 8" vertical height range, folding footrest, folding armrests and 40° reclining backrest.

SERIES 500N & 500NH

Net weight: 75 - 78 lbs.

Shipping weight: 92 - 102 lbs.

Ships in complete in one box via UPS or FedEx Worldwide.

Available through:



- GSA Contract • Factory Direct
- Government Purchase Card
- U.S. Navy Shipboard Furniture Catalog

500N LOW BACK & 500NH HIGH BACK

SLIMLINE

500N Low Back shown in "Black" UltraLeather upholstery, "Midnite Black" powdercoat finish with tall telescoping pedestal.

500NH High Back shown in "White" UltraLeather upholstery, "Hi-Reflectance White" powdercoat finish with tall telescoping pedestal.



Model 500N-1X2



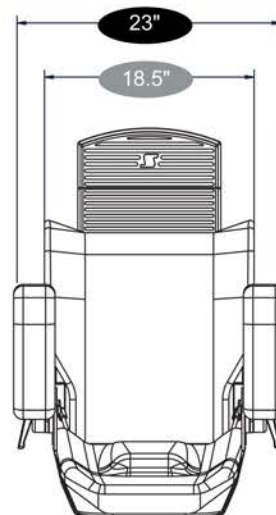
Model 500NH-1X2

To select the proper seat height range (SHR) measure from the deck to the seating surface. Pedestals are telescoping and provide the following Seat Height Ranges.

- (-1) TALL
31" to 39" telescoping SHR
- (-2) MEDIUM
26" to 34" telescoping SHR
- (-3) LOW
19" to 23" telescoping SHR

Choose from Naugahyde (Vinyl) or UltraLeather (Polyurethane) Upholstery in your choice of colors.

To request color samples email sales@stidd.com





NEW!

STIDD Bridge Wing Stanchion Replacement Seat

Replace old Turnbull Bridge Wing seats (Navy Shipboard Catalog B-3G-5 and NSN 2090-00-368-4788) or any Turnbull pedestal seat onboard, in minutes without shipboard modifications

500-100- BW (Bridge Wing) shown with the Turnbull stanchion adapter in "Sapphire" Naugahyde upholstery, "Navy Grey" powdercoat finish with optional footrest.

(*Stanchion not included)

SERIES 500BW

**REPLACE ANY TURNBULL
PEDESTAL SEAT QUICKLY &
EASILY WITH A LIGHTWEIGHT,
COMFORTABLE STIDD SEAT**

The new STIDD 500BW Turnbull replacement adapter fits all Turnbull Bridge Wing Chair pedestals and enables on-site replacement with any STIDD 500 Bridge Wing Chair in minutes, without special tools, skills or modifications.

Available for all STIDD Series 500 or 500N high back or

low back models, complete with ratchet locking lever to guarantee a snug fit, unparalleled comfort and support during all boat motions. Fits existing stanchion diameters between 3.42 and 3.59 inches. Powdercoat finish only. Consult factory.



500N-7QR
CDS

Common Display System (CDS) Operator Workstation Seating

Operator Workstation Seat

Standard seat in U.S. Navy Common Display System (CDS). Same form, fit and function as NSN 2090008141101. D/A Aluminum finish, Vinyl upholstery standard, PVC-free upholstery available. Low back, CRES lap belt, telescoping pedestal. Ergonomic lever adjustments. Seat height range 18-23 inches. Fore/aft adjustment 5 inches. Backrest recline 35 degrees. Swivel 360 degrees with 90 degree detents. Mounts securely to any existing NSN 5340014767468 or STIDD mounting plate:

570-3-300 Plate, Mounting

9-inch diameter, 6 bolt holes on 8-inch diameter circle. Standard mounting plate for U.S. Navy Common Display System (CDS) Seat Operator Workstation. D/A Aluminum finish. Used to mount seat where there is no existing mounting plate. Same form, fit and function as NSN 5340014767468.



500V5

Advanced Shock-Mitigating Pedestal Seat



Proven Performance

As configured for the USCG 47MLB Open Bridge. Slimline or Standard seat, including all 500 Series features and adjustments. Choice of low or high back without headrest. Reinforced arms, CRES Lap Belt, Massive 6 5/8 inch diameter shock absorbing pedestal with nitrogen diaphragm shock.

10-position rebound damping adjustment.
4-inches of shock-mitigating stroke.
Standard 28 inch seat height.

V5 SHOCK-MITIGATING PEDESTALS

- Combine all the comfort features of Series 500 and Series 500N Slimline seats with STIDD's proven second-generation shock absorber technology - developed for military users.
- Mitigates slam loads associated with high-speed transits in sea state 3-4 to comfortable levels.
- 6 5/8-inch diameter pedestal provides 4-inches of nitrogen-diaphragm shock travel to soften impacts.
- Rated for occupants weighing up to 350 lbs.
- 10-position adjustable rebound damping.
- Factory pre-set spring pre-load.
- Powdercoat or D/A finish only
- Available in 6 configurations providing initial seat heights from 28-inches to 36-inches. Consult factory with your requirements.

500V5

USCG 47MLB Open Bridge Configuration:
"Black" Hi-Tenacity Polyester Upholstery
D/A Aluminum Finish,
Reinforced
Armrests,
CRES Reel
Harness System.



STIDD Exclusive 510-210 CRES Reel Harness System

Optional CRES Reel Harness System for 500V5 high back seats provides operator controlled release and retraction of the 4-point harness. Easy engage/release control is conveniently located on the right armrest.

Available through:



- GSA Contract • Factory Direct
- Government Purchase Card
- U.S. Navy Shipboard Furniture Catalog

USCG 500V5

Net weight: 80lbs
Shipping weight: 100 lbs.
Ships in one box via UPS or
FedEx Worldwide.



USCG -RB-M 45-foot Response Boat – The RB-M replaces the aging fleet of 41-foot Utility Boats with improvements in performance, crew efficiency and operational availability.

500V5 RB-M

Advanced Shock-Mitigating Pedestal Seat



As configured for the USCG Response Boat Medium (RB-M) D/A Aluminum Finish with Hi-Tenacity Polyester Fabric. Slimline Low Back, Includes all 500 Series features and adjustments. Reinforced arms, CRES Lap Belt, Massive 6 5/8 inch diameter shock absorbing pedestal with nitrogen diaphragm shock.

10-position rebound damping adjustment.
4-inches of shock-mitigating stroke.
Standard 28 inch seat height.



The RB-M's improved design, new ergonomics, and enhanced safety features make boat crews more effective in performing their multiple missions.

Left: RB-M Operators seat is equipped with armrest mounted joystick controls.



2100-101 FLIP SEAT, MARINE

Surface mounted folding crew seat automatically folds into stowed position upon exiting. Upholstered in Hi-Tenacity Polyester, color "Black". Finish D/A Aluminum. Standard equipment aboard every RB-M.

RB-M

USCG RB-M Configuration:
"Black" Hi-Tenacity Polyester Upholstery
D/A Aluminum Finish, Reinforced
Armrests, Shock-mitigating pedestal.



Additional Seat Options and Accessories for Series 500 and 500N

■ 510-199

CUPHOLDER/ACCESSORY TRAY

for Series 500 or 500N seats. Fits right or left arm. D/A or Matching powdercoat finish.



■ 510-1-094-RL

REINFORCED ARMREST

Consult Factory

■ 510-110 CRES LAP BELT ASSEMBLY

For Series 500 or 500N. Color: Black.

■ 510-1-172 ADDITIONAL 12-INCH DECKPLATE

Mounting plate for STIDD 12-inch diameter base pedestals. D/A or Matching powdercoat finish.

■ V205-T TRACK SYSTEM

For added mobility, order STIDD V205-Track System. Consult Factory with your requirement.

Track with Carriage for Series 500 or 500N Seats.



STIDD Ergonomic Features

FOLDING-LOCKING ARMRESTS

Adjustable armrests fold a full 90° and lock in place.

WATERPROOF ARMREST LOCK

Push-button lock mechanism releases armrest to swing away for quick lateral exits and freedom of movement, or locks positively in place to secure the armrest for extra hold-on.

ORTHOPEDIC CONTOURS

provide hours of comfortable support. STIDD seats are designed to provide orthopedically correct support, while the "water-fall" front cushion improves circulation to the legs and feet.

360° SWIVEL & LOCK

Rotate a full 360 degrees with spring loaded stainless detent positions at 45° intervals.

X2 FOLDING FOOTREST

Our standard footrest features a rugged ABS tread with stainless "S" logo. Folds up so you can lean against the front seat cushion when standing

RECLINING BACKREST

Adjust and lock securely in any position over a 40° range. A small adjustment in back angle provides a big difference in ride comfort.

VERTICAL HEIGHT ADJUSTMENT

STIDD telescoping pedestals offer an 8 inch range of vertical height adjustment. Equipped with a locking clamp and airspring counterbalance for convenient height adjustment.

8-INCH FORE/AFT ADJUSTMENT

Move forward for maneuvering or back for cruising or anywhere in-between, with an adjustment range of 8 inches.

MASSIVE TELESCOPING PEDESTAL

Heavy-duty 4-inch diameter aluminum alloy telescoping pedestal provides unsurpassed impact absorption and lateral stability. Standard 12-inch base (shown)

Optional 9-inch base available



OPTIONAL WRITING SURFACES & KEYBOARD TRAYS

510-119 and 510-121 models easily fold up to stow with efficient, smart operation that is the hallmark of all STIDD designs. Contact Program Management with your requirement. Available for all STIDD Series 500 and 500N models.



■ 510-119

Accessory Writing Surface
Locking. Folding.
Powdercoat Finish.



■ 510-120

Accessory Writing Surface
Fixed/ Powdercoat Finish.



■ 510-121

Keyboard Tray
Locking. Folding.
Powdercoat Finish.

JOYSTICK & TRACKBALL ENCLOSURES

Armrest mounted Control Enclosures are available for all STIDD models



Contact us with the make and model of your device. Every enclosure is designed with several biomechanical subtleties, such as proper amount of wrist and forearm internal rotation, flexion, and radial deviation to make the input device comfortable to hold, use and operate on long transits. We have delivered enclosures for the most demanding yacht, military and government applications.



800V53 Quickly transitions from seated-to standing positions with fully sprung bolster.

Performance Features

- 7 in (18 cm) shock mitigating range of motion, vertical axis
- Fully passive suspension for long-life and reliability
- Pressure Responsive Valving
- Externally Adjustable Coil Spring
- Internal Pneumatic Spring with hydraulic dampening
- Vibration Isolation System
- Go-No-Go Suspension Status Indicator
- Multi-million cycle service life assures low future maintenance costs.

www.stidd.com

800V53 Advanced Shock-Mitigating Seat/Bolster



800V53 seats improve crew performance and increase operator confidence. The risk of spinal, orthopedic and ligamentous repetitive stress injuries, caused by unpredictable extreme boat motions, is significantly reduced.

The STIDD 800V53 represents the most advanced shock-mitigating marine seat system available. Proven in Sea State 4 at 50+ knots aboard the MkV Special Operations Craft, the 800V53 provides superior comfort and safety in long duration, open water transits aboard high performance craft.

- Proprietary Suspension System reduces chronic fatigue, orthopedic injuries and back problems in Maritime Special Operations personnel.
- Rapid conversion from seated to standing position enhances visibility and protects from weather improving boat operator performance and passenger comfort.
- Shock absorber access port and mission configurable variable rate foam cushions allow the 800V53 to be configured to mission requirements and operator gear changes.
- Meets and exceeds USSOCOM MkV SOC, NSW RIB and US Coast Guard 47 MLB Specifications
- USSOCOM completed a fleet-wide upgrade, retrofit of 800V53 seats into every MkV SOC.
- Finish: D/A Aluminum or Hardcoat anodized, Color: "Olive" or "Charcoal"



As high speed marine technology advances, crew and passengers are regularly exposed to extreme forces, STIDD 800V53 Advanced Shock-Mitigating seating provides the solution to keep them safe and comfortable. (M-Ship's next generation carbon fiber M80 Stiletto is equipped with STIDD 800v53s).



800v53"Low Profile" Double Pax shown in D/A finish provides a nominal 25 inch initial seat height. Contact factory for 800v53 custom seat heights.

800V53 Features

Shock Absorber: 7-inch (18 cm) Vertical Stroke regulated Nitrogen Pressurized Taylor Shock Absorber with Accumulator and status indicator

Materials: TIG Welded Aluminum alloy structure
Non-Corrosive components and 316L hardware.
Hi-Tenacity Polyester Upholstery

Mode: Folding footrest allows quick conversion from seated to standing position with fully sprung bolster

Ergonomics:

- 30 degree backrest recline
- Biomechanically correct lumbar curvature
- Lateral bolster wings effectively mitigate side and off-axis impacts.
- Forearm supports with "Stealth" Hand grips
- Fold-away Locking Reinforced
- Fold-Away Footrest
- CRES Lap Belt
- Custom Seat Heights available

Common Suspension Frame: Modular design enables Single Deck-mounted, Double Deck-mounted, and Single Bulkhead mounted configurations.



800V53 Front Row Seat



800V53 Double Passenger Seat



800V53 Bulkhead Seat



820-4-159-V53
Front Row Mounting Kit



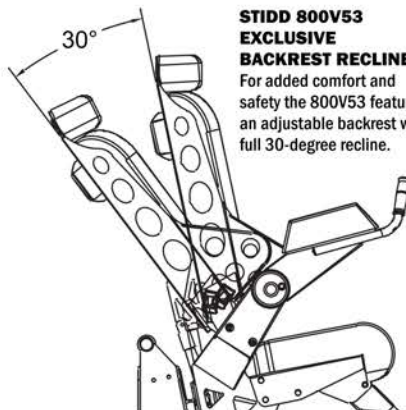
820-4-160-V5
Aft-Row Mounting Kit



820-4-161-V53
Double Seat Connector

820-4-167-V53
Bulkhead Mounting Kit
shown above

A common suspension frame and carriage assembly allows any 800V53 seat to be configured for any location by adding the appropriate mounting kit.



STIDD 800V53 EXCLUSIVE BACKREST RECLINE
For added comfort and safety the 800V53 features an adjustable backrest with full 30-degree recline.

800V53 Technical Specifications

MODEL	800V53 with Front Row Mounting Kit	800V53 with Aft Row Mounting Kit & Double Seat Connector	800V53 With Bulkhead Mounting Kit
Width	28.25 in (72 cm)	57.5 in (146 cm)	21 in (53 cm)
Depth	40 in (102 cm)	40 in (102 cm)	35 in (89 cm)
Height	65 in (165 cm)	65 in (165 cm)	65 in (165 cm)
Weight*	145 lb (61 kg)	289 lb (131 cm)	56 lb (113 cm)

* Weights listed are for MkV SOC configurations.
Extreme weight reduction packages are available. Consult factory.

Seat Heights:

800v53 provides a fixed 33.5 in (85 cm) initial seat height with 7-inches (17.8 cm) of shock stroke. Consult factory for custom seat heights.



The Taylor Suspension - Heart of the 800V53



Easy-to-read Go-No-Go Suspension Status Indicator

The Taylor Shock Absorber for the STIDD 800V53 Shock-Mitigating Seat is a lightweight robust shock absorber with 7 inches (18cm) of stroke. Manufactured exclusively for STIDD by Taylor Devices, the leading name in Navy shock absorber technology.

- The Taylor shock absorber coil spring is factory adjusted to a pre-compressed height required to support the weight of the 800V53 seat carriage, the average adult male weighing 200 lbs., and his equipment. The shock has an adjustable knurl nut to compensate for lighter or heavier individuals.

Taylor Shock Features

- Powdercoated two-stage coil spring.
- Elastomeric stop decelerates and effectively prevents hard bottoming of the shock absorber under excessive loads.
- Vibration isolation mounts attenuate high frequency harmonics.
- Clevis bearing distributes off axis loads.
- Nitrogen-charged accumulator maintains constant oil volume in the suspension system.
- Velocity sensing valve is tuned to a damping coefficient derived from the craft's specific forcing function.
- Go-No-Go gauge provides instant visualization of suspension system readiness.

- 800V53 Advanced Shock-Mitigating Seats listed are on GSA Contract No. GS-07F-0101K • www.gsaadvantage.gov
- 800V53 Seats are on ITARS. US Department of State DTC license is required for export.

STIDD Systems is proud to support these U.S. Government Commands

- U.S. Special Operations • SWCC Operators
- Naval Special Warfare Command • U.S. Coalition Partners



STIDD 870V53
Shock-Mitigating
Stand-Up Bolster

(shown with deck mount)

870V53, ADVANCED SHOCK MITIGATING BOLSTER

The STIDD 870V53 represents the most advanced shock-mitigating stand-up bolster system available. With a Taylor suspension system proven in Sea State 4 at 50+ knots aboard the MkV Special Operations craft, the 870V53 provides superior comfort and safety in long duration, rough open water transits aboard high performance craft. Meets or exceeds USSOCOM, USMC, and USCG Technical Specifications. Features proven STIDD/Taylor MkV Suspension System, folding half seat for comfort and support while loitering, hardcoat anodize finish color Olive or Charcoal, Black High Tenacity upholstery. Hard mount receiver for optional armrests and joystick controls.

890V53 ADVANCED SHOCK-MITIGATING SEAT

The STIDD 890V53 is an innovative Shock-Mitigating suspension seat designed to mitigate the extreme loads and repetitive stress forces associated with travel during long duration open water transits typically encountered in high performance maritime craft applications. Features: Specially Tuned variant of the proven Taylor suspension used in the USSOCOM MkV SOC.



820-200 DATA HANDLING SYSTEM OPTION II

In conjunction with the integral 25g accelerometers mounted to the 890V53 Advanced Shock Mitigating Seat, the Data Handling System, Option II provides automated Alert Reporting Capability for both G-load excursions and operator restraint monitoring, enabling post event comparison with ISO Injury Prevention standards or military operational regulations



STIDD Systems, Inc. manufactures a complete line of commercial and military seating incorporating decades of expertise and knowledge in ergonomic design, human factors, and engineering combined with the pursuit of perfection and a commitment to quality.

Contact STIDD Program Management for your next seating requirement.

STIDD Systems also manufactures Underwater Mobility Products. The STIDD Diver Propulsion Device (DPD) - Designed for and Certified by the U.S. Navy is the most widely-used military-grade underwater mobility platform in the world. visit www.stddmil.com



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CAGE CODE OW5E3

MADE IN U.S.A.

U.S. and International Patents Issued and Pending.

Specifications and availability of all STIDD Systems, Inc. products are subject to change without notice.

Available through:



- GSA Contract • Factory Direct
- Government Purchase Card
- U.S. Navy Shipboard Furniture Catalog

Order factory direct:

631-477-2400 ext.144
email: sales@stidd.com

www.stidd.com

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