



**INSTRUCTION MANUAL**



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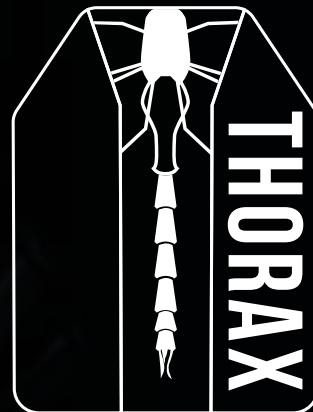
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### THE VISION

For over a decade Haley Strategic Partners has been providing world class training in the fundamentals and advanced applications of weapons and tactics with our D5, D3, and D7 courses. Inside of this ten year period we have also produced globally recognized products such as the Disruptive Environments Chest Rigs and FLATPACK™ line. Our training and products are a direct reflection of what drives us as an organization and what our vision of the future looks like. **THORAX** is the culmination of these 10 years of operational experience, training, product development, and most importantly being a “Thinker Before Shooter”. It represents our vision of the future and the most adaptive plate carrier system available today.

### THE WHY

**THORAX** has been through many revisions in it's life. Beginning as a modular plate bag for chest rigs to evolving into a fully fledged plate carrier system. Just like the Dragonfly of our logo, **THORAX** is designed to be adaptable for any mission requirements. We understand the importance of adaptability from an operational view. The force multiplier and lethality it brings is why we designed our plate carrier to have such features. **THORAX** seamlessly interfaces with our existing products and those currently in development. It's construction incorporates advanced materials to maintain the highest level of mobility and protection for the user with minimal weight and profile. In essence **THORAX** is a reflection of our vision and the answer to the most important three letter word. **Why?**

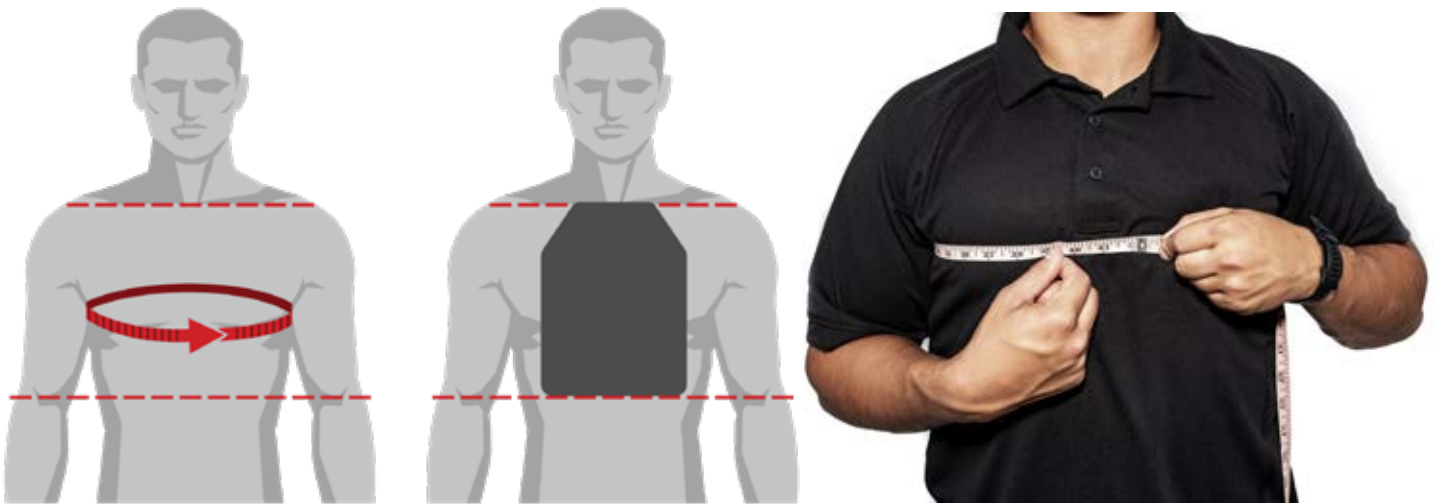
*“We know we will never have the perfect training or products, just like we will never have the perfect world, but I can promise you that we will die trying.” -Travis Haley*





**SIZING**

## 2. TAKING MEASUREMENTS



1. Chest size should be measured with a soft tape. Measure across the chest at nipple line and around shoulder blades with arms resting at the sides while ensuring the tape measure is level. The tape measure should be comfortably snug without compressing the chest.
2. Record measurement in inches to determine your appropriate cage size on the sizing chart below:

### Medium Bag/Plate

Cage Size (at pecs)	Chicken Strap	Cummerbund	Cummerbund w/ Side Entry
Up to 33"	Not Available	Small	Not Available
33" - 43"	Medium	Medium	Medium
43" - 56"	Large	Large	Large

### Large Bag/Plate

Cage Size (at pecs)	Chicken Strap	Cummerbund	Cummerbund w/ Side Entry
38" - 45"	Medium	Medium	Medium
45" - 56"	Large	Large	Large
56" - 62"	Not Available	Not Available	X-Large





**PLATE BAGS & ARMOR**

### 3. INSERTING ARMOR



1. Unfurl the armor retention flap by pulling on the tab at the bottom of the plate bag.



2. Insert the armor fully into the plate bag. NOTE: Mild resistance when inserting the plate is by design and necessary for the ideal fit. Excessive force may be indicative of an incompatible armor plate and plate bag combination.



3. Enclose the plate bag by wrapping the armor retention flap around the bottom of the armor plate and securing the flap inside the plate bag via hook and loop.





## ADJUSTMENTS



#### 4. SHOULDER STRAPS

The THORAX Shoulder Straps are fully adjustable allowing the end user to adjust the height of the plate bags.



1. Separate hook and loop of the shoulder strap webbing.



2. Pull the webbing up and away from the shoulders to tighten the shoulder straps.
3. Pull up the buckle tab to loosen the shoulder straps.
4. Adjust the shoulder straps to the ideal height of plate bags.
5. Secure the shoulder straps via hook and loop.

## 5. CHICKEN STRAPS



The THORAX Chicken Straps offer a slim, ultra low profile entry system while still providing the MOLLE webbing and rigidity necessary to mount mission critical equipment.

1. Unfurl the rear armor retention flap by pulling on the tab at the bottom of the plate bag. Pull up and away until the rear loop field is exposed.
2. Attach the rears of the Chicken Straps to the rear loop field at the desired height, symmetrically. Enclose the rear plate bag by wrapping the armor retention flap around the bottom of the armor plate and securing the flap inside the plate bag via hook and loop.
3. Don the THORAX.



4. Attach the fronts of the Chicken Straps to the front loop field.
5. Adjust the placement of the Chicken Straps on the rear loop field for desired fitment.



## 6. CUMMERBUND



The THORAX Cumberbund offers a traditional entry system with abundant MOLLE webbing to mount mission critical equipment.



1. Unfurl the rear armor retention flap by pulling on the tab at the bottom of the plate bag. Pull up and away until the rear loop field is exposed.
2. Attach the rears (elastic end) of the Cumberbund to the rear loop field, symmetrically.
3. Enclose the rear plate bag by wrapping the armor retention flap around the bottom of the armor plate and securing the flap inside the plate bag via hook and loop.
4. Don the THORAX.

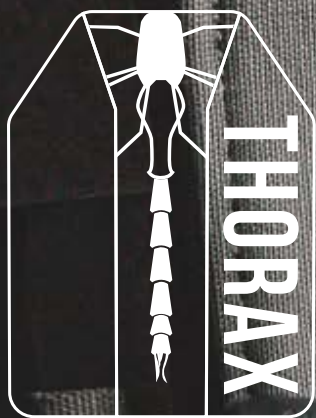


5. Pull forward on the cumberbund ends and attach the fronts of the Cumberbund to the front hook and loop field.



6. Adjust desired fit of cumberbunds and TPC by adjusting placement of cumberbund inward or outward on front hook and loop panel of TPC.





**ACCESSORIES**



## 7. SIDE ENTRY PANEL



The THORAX Side Entry Panels offer an entry system that does not require lifting the front placard while also providing abundant MOLLE webbing to mount mission critical equipment. The Side Entry Panels are compatible with all HSP chest rigs and placards (D3CRX, D3CRH, D3CRM, MOLLE Placard, TRMP).



1. Remove the hardware on the left and right peripheries of the selected chest rig. NOTE: Certain chest rigs / placards without repair buckles (identified by a split) will need the buckles cut off the buckle tabs to be compatible with Side Entry Panels. Buckles can be replaced with repair buckles if desired.



2. Attach the Side Entry Panels symmetrically to the hook and loop on the inboard side of the chest rig or placard ensuring the front flaps open upwards.
3. Pass the buckle tabs through the cutouts in the Side Entry Panels.



4. Use the supplied Split Loop Locs to connect the buckle tabs with the looped tabs of the Side Entry Panels.
5. Attach the chest rig or placard to the front of the THORAX via the buckles located under the tweave covers and hook and loop .

## SIDE ENTRY PANEL



6. Unfurl the rear armor retention flap by pulling on the tab at the bottom of the plate bag. Pull up and away until the rear hook and loop field is exposed.
7. Attach the rears (elastic end) of the Cummerbund to the rear hook and loop loop field, symmetrically.
8. Enclose the rear plate bag by wrapping the armor retention flap around the bottom of the armor plate and securing the flap inside the plate bag via hook and loop.



9. Don the THORAX.
10. Separate and lift up on the front flaps of the Side Entry Panels.



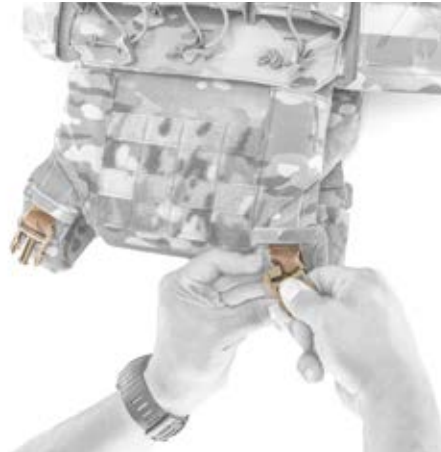
11. Pull forward on the Cummerbund ends and attach the fronts of the Cummerbund to the hook and loop loop field of the Side Entry Panels.



12. Secure the front flaps of the Side Entry Panel via hook and loop .



## 8. FLATPACK PIGGYBACK KIT



The FLATPACK Piggyback Kit affixes a FLATPACK or FLATPACK+ to a THORAX while still giving the end user access to the FLATPACK without doffing the THORAX.

1. Remove the upper shoulder straps from the FLATPACK.
2. Install the longer shoulder straps from the Piggyback Kit with the buckles facing outward.
3. Install 2x GTSR 1" split-bar male latches (sold separately) to the front anchor points of the THORAX shoulder straps.
4. Install the 2x QASM buckles (sold separately) on each side of the cummerbund. This location will vary based on the build and equipment used.



5. Connect the buckles of the Piggyback shoulder straps to the latches installed on the THORAX shoulder straps.

6. Connect the lower side straps of the FLATPACK to the QASM buckles installed on the THORAX cummerbund.

To access the FLATPACK from either side without doffing the THORAX:

1. Disconnect both cummerbund QASM buckles.
2. Swing FLATPACK overhead to bring forward.

Alternatively, when wearing headgear or in a confined space:

1. Disconnect one Piggyback shoulder strap buckle and one cummerbund QASM buckle on one side.
2. Swing the FLATPACK to the opposite side to bring forward.

## 9. SHOULDER PADS



1. Adjust the shoulder straps as necessary.
2. Mark the location of the shoulder strap ends.



3. Disassemble the shoulder straps and remove from buckles.



4. Install the shoulder pads with the tag towards the front bag.



5. Route shoulder straps back through the buckles.



6. Compress the shoulder pads towards the front bag to expose the marks made earlier.



7. Secure shoulder straps in place via hook and loop.



## SHOULDER PADS



8. Decompress shoulder pads and slide to desired location.



9. Secure shoulder pads in place via hook loop wings tucking them in between shoulder strap webbing.





**ADDITIONAL FEATURES**



## 10. PROTECTIVE BUCKLE COVERS



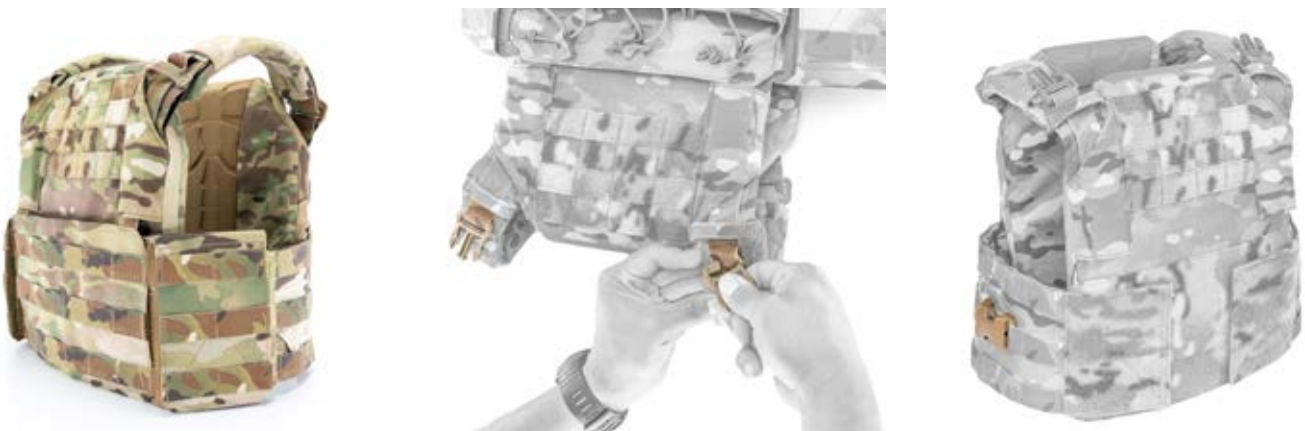
The THORAX plate carrier is a modular design and chest rig/placard compatible by installing optional hardware on the front loops under the tweave protective covers.

## 11. PTT LOOPS



Left and right reinforced loops allow for easy mounting of most PTT devices using supplied alligator type clip or banding.

## 12. FLATPACK ANCHOR POINTS



Optional FLATPACK Piggy Back Kit hardware allows integration of a FLATPACK or FLATPACK+ (2 Latches, 2 QASMs, and short Piggyback Straps needed for integration).

### 13. COMM CABLE PORT



Comm ports and channels within the molle cummerbund and rear platebag allow for clean administration of cable routing and cleanup to prevent cable snags.

### 14. VERTICAL CORDAGE



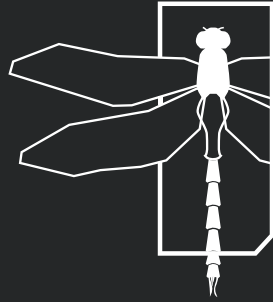
Vertical Cordage on the rear platebag allows for additional mounting options for mission essential items and preserve valuable real estate on molle field.

### 15. AMP PADDED CHIN GUARD



Airborne, Maritime & Pursuit (AMP) Chin Guard adds protection for those operating in environments where the armor could rise on the user and impact the neck or chin.





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- Do not intend to use the body armor for any criminal purpose
- Will not transport the body armor out of the United States
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