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T3000, T3001, T3002, T3003 TransPac Harness System

Product description

The TransPac is an innovative diving harness that was designed and tested to meet the harshest of diving conditions and demands. The TransPac is an extremely versatile harness system that can be used for shallow reef diving, deep wrecks, or cave diving. It can accommodate single tank diving and technical diving by supporting the use of double cylinders and stage bottles.

The standard features of the TransPac include shoulder, waist, and back plate D-rings, stainless waist belt-buckle, dual shoulder releases, and stainless tank cam strap buckles. It also has a two-inch waist belt that can accommodate the optional TransWeight system or any of Dive Rite's optional pockets. Also available are optional crotch straps that attach to the one-inch D-ring on the bottom of the harness.



CE information

The PPE (Personal Protection Equipment) mentioned in this manual was tested and certified according to 89/686/EEC Directive, for a maximum depth of 50 meters (150 feet) by ITALCERT, Viale Sarca 336, 20126 Milano-Italy, Notified Body No. 0426. The device is in compliance with the EN 250 (PPE of category III in accordance with 89/686/EEC Directive) and EN 1809 (PPE of category II in accordance with 89/686/EEC Directive) and it is not a lifejacket; it does not guarantee a head-up position of the wearer on the surface.

CE0426 is the conformity marking according to 89/686/CDD Directive. The number 0426 identifies the Notified Body ITALCERT for the controls on the product according to Article 11A of the 89/686/CDD Directive (only for PPEs of III category).

Sizing specifications

The TransPac is available in four sizes, ranging from extra small to double extra large. The size denotes the shoulder strap and torso length. To ensure proper shoulder strap length, measure from a point at the top of your shoulder to a point at your waist that is immediately below your shoulder, as shown in the diagram to the right. **Note:** Make sure you allow for exposure suit thickness.



TransPac sizes

Size	Range
XS	13 to 16 inches (33 to 41 cm)
S	14 to 17.5 inches (35 to 45 cm)
M	15 to 18 inches (38 to 46 cm)
L	17 to 22 inches (43 to 56 cm)
XL	18.5 to 23.5 inches (47 to 60 cm)
XXL	22.5 inches and up (57cm plus). For divers taller than 75 inches (190 cm), 250 lbs (110kg).

The extra small (XS)/ small (S) TransPac comes with a back section and lumbar support that are approximately 2.0 inches (5.0 cm) shorter than those of larger TransPac harnesses. This is the preferred size for anyone whose back-of-neck to waist measurement is 17.0 inches (43 cm) or less (this includes most women). Any combination of TransPac shoulder harness and standard or short back section/lumbar support are available for special order.

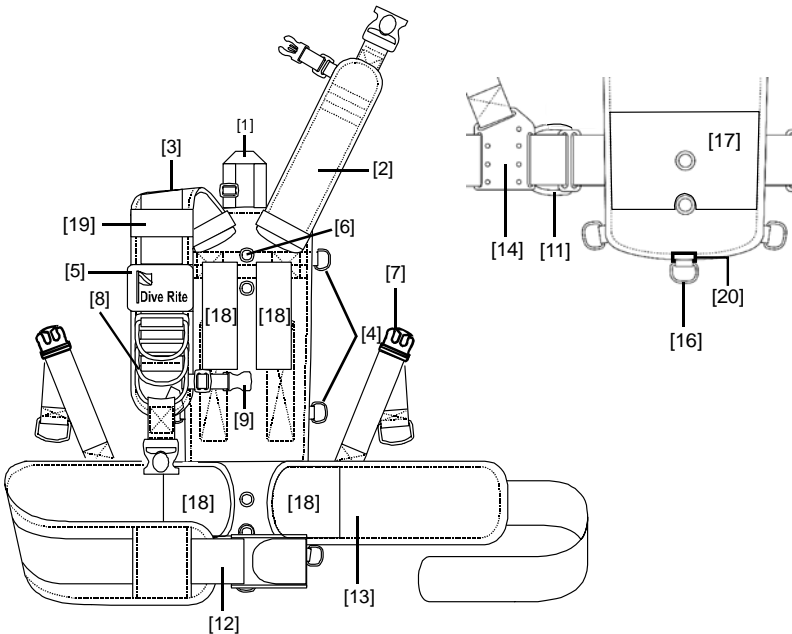
The TransPac comes with a “Tek” padded cummerbund that is in proportion to the length of the shoulder strap. You can order your TransPac with any size “Tek” cummerbund.

Tek cummerbund sizes

Size	Range
XS to S	24 to 34 inches (61 to 86 cm)
M to XL	32 to 42 inches (81 to 101 cm)
XXL	42 inches (107 cm) and up (For divers taller than 75 inches (190 cm), 250 lbs (110 kg))

Features and functions

The TransPac has many features. Each feature is detailed below with its position on the TransPac and the function it performs.



- [1] Tank adjustment strap: Used to maintain the TransPac height adjustment on a single cylinder
- [2] Padded shoulder straps: Provides the comfortable secure fit
- [3] Shoulder strap attachment point: Enables adding or removing D-rings from the shoulder strap

- [4] One-inch (25 mm) D-rings: Three D-rings on each side of the harness provide attachment points for light canisters, pony bottles, and other equipment
- [5] Floating, self-closing “epaulet”: Used to keep inflation hoses secured and under control. There is one on each shoulder strap.
- [6] Grommet mounting holes: Used when mounting the TransPac to double cylinders
- [7] Shoulder strap adjustment and quick release buckles: Used to make sizing adjustments and quickly undo the shoulder straps
- [8] Two-inch (50 mm) shoulder D-rings: Two D-rings on each shoulder strap are bent at a slight angle for better access and can be adjusted for height. **Note:** Size XS, SM, and Med. only have one D-ring per shoulder strap due to spacing limitations.
- [9] Cross-chest strap: Used to adjust the TransPac for proper comfort and fit
- [10] Cam strap mounting slots (not shown): Used to attach two-inch (50 mm) cam straps allow the TransPac to be used with single cylinders
- [11] Two-inch (50 mm) waist strap D-rings: One D-ring on each side of the waist strap is adjustable to any position on the waist strap
- [12] Waist strap: Two-inch (50 mm) waist strap webbing with a stainless quick-release buckle. The waist strap design enables easy mounting of pockets and other accessories.
- [13] Cummerbund (2-pieces): Padded for comfort and to help transfer cylinder weight to the hips. Each piece of the cummerbund Velcro's to the back plate.
- [14] Shoulder strap base plates: Stainless plates allow for easy adjustment of the shoulder straps. The plates can be moved back and forth on the webbing strap to get the best fit and performance. The plates are pre-drilled to attach the optional “Tek” D-rings for use with stage bottles or when side mounting.
- [15] Back pad (not shown): Lumbar and back support pad provides comfort and a better fit
- [16] Crotch strap attachment D-ring: D-ring for attaching the optional one-inch crotch strap
- [17] Cummerbund attachment Velcro: Used to attach the cummerbund to the back plate
- [18] Back pad attachment Velcro: Used to attach the back pad to the back plate
- [19] Shoulder strap retaining band: Holds the shoulder webbing strap in place on the shoulder pad
- [20] Back pad attachment ring: Attaches the back pad to the back plate using the Velcro strap at the bottom of the back pad

Adjusting the TransPac

A snug, secure fit is extremely important, which is a chief benefit of the TransPac system. Adjusting the TransPac to fit properly is essential.

Note: Make sure you are wearing your exposure suit when adjusting the TransPac.

To adjust the TransPac:

1. Loosen the shoulder and cross-chest straps.
2. Put on the TransPac and fasten the waist strap so that it is comfortable.
3. To start, slide the shoulder strap base plates (on the waist strap) so that they are approximately four inches from the back plate. You may have to move them farther forward depending on your size. **Note:** The plates should never be placed forward of your hipbones.

4. Fasten the cross-chest strap so that the shoulder straps are parallel on your chest, but do not tighten it.
5. Partially tighten the shoulder straps.
6. Partially tighten the cross-chest strap.
7. Repeat steps 5 and 6 until you achieve the most comfortable fit.
8. If installed, fasten the optional crotch strap. Tighten the crotch strap until it fits securely.
9. Rock gently from side to side to make sure the harness fits tightly and is secure.
10. Fully inflate the BC wings to ensure it does not restrict your breathing or movement.

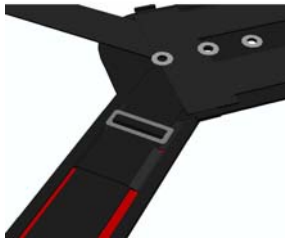
Caution: Properly fitted, the TransPac should not restrict your breathing when the BC wings are fully inflated.

Sizing the TransPac shoulder straps

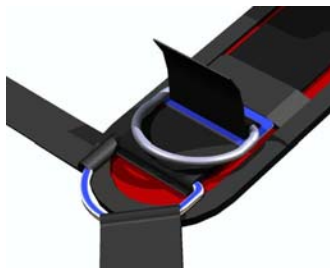
The TransPac shoulder straps can be adjusted in size if they do not fit as comfortably as you would like.

To size the shoulder straps:

1. Undo the cross-chest strap and the shoulder straps where they buckle to the lower portion of the shoulder straps.
2. Unweave the top piece of shoulder strap webbing through the weight stop at the top of the shoulder strap.



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3. Continue unweaving the webbing strap through the epaulet and lower D-rings.
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- Adjust the shoulder strap webbing through the D-ring where the cross-chest strap and lower portion of the shoulder strap attach until it is the right length for the size you need. You will be pulling the webbing strap through the D-ring to shorten the shoulder straps or you will be feeding the webbing strap back through the D-ring to loosen the shoulder straps.
- Weave the shoulder strap webbing back through the lower D-rings and weight stops, through the epaulet, shoulder pad retainers, and then through the top weight stop on the shoulder strap.

Attaching the TransPac to a single cylinder

The TransPac is easily attached to a single cylinder using the standard stainless cam band buckles provided. The cam bands attach to the backside of the TransPac and can be easily removed for cleaning or transport.

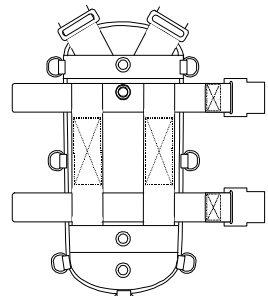
Dive Rite's Travel, Venture, Trek, Rec, and Dual Rec BC wings can all be used with single cylinders. The BC wing is sandwiched between the TransPac and the tank and is held in place using the cam bands.

Attaching the Travel BC wing:

- Completely open both cam straps by sliding the webbing out of the cam buckle.
- Thoroughly soak the cam straps in water and allow them to stretch.

WARNING: Failure to soak the cam straps in water and allowing them to stretch may result in the bands loosening during use, resulting in the possible shifting of or loss of cylinders in or out of the water. This can cause serious personal injury or death.

- Place the front of the Travel wing to the back of the TransPac. Place the Travel wing's center webbing strap over the grommet holes on the back, center of the TransPac.
- Slide the cam straps through the slots on the back of the TransPac and over the Travel wing's center webbing strap so that it holds the Travel wing in place. See the diagram to the right for slot positions.
- Rethread the webbing back through each of the cam buckles.
- Slide the cam straps (now attached to the TransPac) over your dive cylinder.
- Hook the tank height adjustment strap over the cylinder valve and position the system to the desired height. See "Adjusting the tank height adjustment strap" for information on adjusting the strap length. See the diagram to the right.
- Adjust the cam straps until they snap tightly around the cylinder.
- Once the TransPac is attached to a single cylinder, pickup the unit by the harness shoulder straps and shake it up and down. Make sure that the tank is fastened securely and that the bands



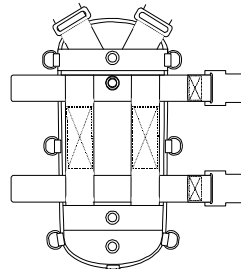
are tight enough to prevent them from coming undone accidentally. If the cam straps are not tight enough, tighten them and perform the shake test again.

WARNING: Before each use, check the TransPac's bands, straps, quick-disconnect clips, and the cummerbund/waist strap for wear. Have an authorized repair facility replace worn or damaged items before use. Failure to replace worn or damaged tank buckles and bands could lead to loss of cylinders or of the TransPac assembly itself. This could lead to serious personal injury or death.

Attaching the Venture, Trek, Rec, and Dual Rec BC wings:

1. Completely open both cam straps by sliding the webbing out of the cam buckle.
2. Thoroughly soak the cam straps in water and allow them to stretch.

WARNING: Failure to soak the cam straps in water and allowing them to stretch may result in the bands loosening during use, resulting in the possible shifting of or loss of cylinders in or out of the water. This can cause serious personal injury or death.



3. Slide the cam straps through the slots on the back of the TransPac. See the diagram to the right for slot positions.
4. Slide the BC wing over the cam straps so that the straps feed through the slots on the BC wing. The BC wing is held in place once the unit is attached to a cylinder.

5. Rethread the webbing back through each of the cam buckles.
6. Slide the cam straps (now attached to the TransPac) over your dive cylinder.
7. Hook the tank height adjustment strap over the cylinder valve and position the system to the desired height. See "Adjusting the tank height adjustment strap" for information on adjusting the strap length. See the diagram to the right.



8. Adjust the cam straps until they snap tightly around the cylinder.
9. Once the TransPac is attached to a single cylinder, pickup the unit by the harness shoulder straps and shake it up and down. Make sure that the tank is fastened securely and that the bands are tight enough to prevent them from coming undone accidentally. If the cam straps are not tight enough, tighten them and perform the shake test again.

WARNING: Before each use, check the TransPac's bands, straps, quick-disconnect clips, and the cummerbund/waist strap for wear. Have an authorized repair facility replace worn or damaged items before use. Failure to replace worn or damaged tank buckles and bands could lead to loss of cylinders or of the TransPac assembly itself. This could lead to serious personal injury or death.

Adjusting the tank height adjustment strap

The tank height adjustment strap hooks over the cylinder valve and is used to maintain a consistent height position each time you attach the TransPac system on a cylinder. The strap can also be used as a handle to carry the TransPac system when it is not attached to a cylinder.

The tank height adjustment strap fastens and adjusts using a belt slide. You need to experiment with the adjustment strap until the height is right for you.

Note: When the tank height adjustment strap is adjusted correctly, you should be able to reach back and turn on/off your cylinder's tank valve.

Attaching the TransPac to double cylinders

The TransPac can be easily attached to double cylinders using the optional stainless stabilizing plates (BC2084) and the standard bands and bolts system used on double cylinders.

Dive Rite's Trek, Classic, Rec, Dual Rec, and Super BC wings can all be used with double cylinders. The BC wings are sandwiched between the TransPac and the tank and are held in place using the bolts on the double cylinders and the stabilizing plates.

Note: For details on attaching the TransPac to double cylinders using the stabilizing plates (BC2084), refer to the *Harness Accessories User Product Data Sheet* that comes with the plates.

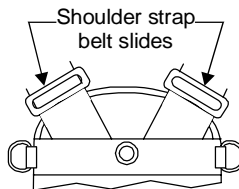
Adding and removing D-rings on the shoulder straps

To add or remove D-rings from TransPac shoulder straps, you need to thread and unthread the 2.0-inch (50 mm) shoulder strap webbing through the stainless belt slide (weight retainer) found at the top of the TransPac where the shoulder straps connect to the back plate.

Note: It is recommended that you only add or remove D-rings from one shoulder strap at a time. This way, you can refer to the other shoulder strap if you have difficulty in routing the webbing strap correctly.

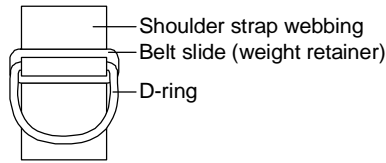
To add or remove D-rings:

1. Pass the loose end of the shoulder webbing strap through the stainless belt slide (weight retainer) found at the top of the TransPac where the shoulder strap connects to the back plate.



2. Pass the loose end of the webbing strap through the shoulder strap retaining band (on the shoulder pad), epaulet, and through the belt slide holding the D-rings in place. Only unweave the belt slides if you want to remove the D-ring.

3. Remove or add D-rings to the shoulder strap as desired. Make sure you weave the webbing strap through the belt slide so that the D-ring is held in place. See diagram below.



4. Once the D-rings are in place, route the webbing strap back through the epaulet and the shoulder strap retaining band.
5. Weave the shoulder strap back through the belt slide at the top of the shoulder strap.

Care and maintenance

With proper care and service, your TransPac can provide you years of safe, enjoyable use. Without proper care, your TransPac can become damaged and be either unserviceable or dangerous to use.

Note: Stainless steel can develop rust even when properly cared for.

General maintenance procedures

- The sun's ultraviolet rays can fade and damage the TransPac, shortening its life. Store the TransPac away from sunlight and excessive heat.
- Keep sharp objects from coming in contact with the TransPac
- Take care when handling the TransPac. Do not rest heavy objects on the TransPac or drag it over rough surfaces
- Due to the type of material used in the construction of the TransPac, clean it only with fresh water and mild detergent. Chemicals, strong detergents, and cleaning solutions can damage the TransPac and shorten its life.
- Have the TransPac inspected yearly by your local, authorized Dive Rite dealer
- Avoid excessive pool use. Excessive use in chlorinated water can lead to premature discoloration and shorten the products life.
- Rinse the TransPac thoroughly after each use and allow it to dry completely before storing. Dive Rite recommends Salt-X for salt removal (www.salt-x.com).

WARNINGS

Before using your TransPac, there are several things you must do. These include:

- Obtain a minimum of entry-level open-water scuba diver training and certification from a recognized diver-training organization.
- As part of this training, you must master all the basic skills of buoyancy control, including proper weighting, ascents, descents, surface swimming and resting, and establishing neutral buoyancy under water. This training must also cover (both at the surface and underwater) the use of buoyancy control devices (BCs), oral inflation of BCs, low-pressure inflation of BCs, and deflation of BCs using a variety of methods.

- You must read and understand this owner's manual and all other warnings that accompany the product. If you do not understand some part of this manual, contact Dive Rite or your local authorized Dive Rite dealer.
- Misuse of the TransPac can result in uncontrolled ascents, descents, or loss of buoyancy control. This, in turn, can cause serious personal injury or death.
- Failure to follow the instructions given in this manual or to heed the warnings it provides can cause equipment loss or damage, serious personal injury, or death.
- The TransPac is NOT a United States Coast Guard approved personal flotation device (PFD). They will not provide face-up flotation for all users and conditions.
- The TransPac is not a substitute for adequate swimming and scuba diving skills.
- The TransPac is not a lift bag. Attempting to use it as such places a diver at extreme risk for a dangerous, uncontrolled ascent.
- The TransPac should not be used as the sole form of flotation; divers should have additional forms of flotation, such as wetsuits or dry suits, to provide buoyancy in case they need to abandon the TransPac or it malfunctions.
- Changes to the TransPac or use of after-market accessories can prevent its proper function or result in damage to the TransPac. This can cause serious personal injury or death.
- If you wear a weight belt with the TransPac and are using the optional crotch strap, remember to fasten the crotch strap first and then put the weight belt on over it. Failure to do so may hinder your ability to release the weight belt in an emergency.

Warranty information

Dive Rite TransPacs carry a limited lifetime warranty. Dive Rite will — at its sole discretion — repair or replace TransPacs proved to be damaged by faulty manufacture or material, at no cost, for the lifetime of the TransPac.

This warranty applies only to the original retail purchaser. It does not cover commercial or rental use, nor does it extend to units purchased from other than an authorized Dive Rite dealer.

This warranty specifically excludes color changes, light fastness, or fading. Dive Rite does not accept responsibility for stains or transference or bleeding of color to other items.

If we deem a TransPac component to be beyond repair — through no fault of the user — then, and only then, will we replace the affected component(s).

To make a claim under this warranty, the owner must have registered his/her warranty using Dive Rite's website (www.diverite.com). All warranty repairs (international or domestic) *must* be accompanied by a copy of the purchase receipt. For warranty repairs (international or domestic) the product must be returned to the *store* where the item was purchased or directly to Dive Rite. A Return Authorization must be obtained by calling Dive Rite corporate offices (386-752-1087) to send items to Dive Rite. No warranty service will be performed for other than registered owners. Note: Local dealers and distributors are not responsible for service of items purchased from unauthorized dealers, internet dealers, or dealers from other territories.

This warranty becomes void if the TransPac system components are damaged by anything other than normal recreational diving use, or if they have been serviced or repaired by other than authorized Dive Rite dealers.

Repairs made under this warranty will not extend the warranty period.

All further claims, especially for damage after diving accidents, are excluded from coverage under this warranty.

Dive Rite has no obligation to honor any extension of this warranty.

This warranty is in lieu of all other warranties, expressed or implied. No other person or representative is authorized to assume for Dive Rite any other liability in connection with the sale of this product.

Activating and utilizing your warranty

1. To activate your warranty, you must register your BC within 30 days of purchase through our online product warranty registration. This is located within our website at www.diverite.com/warranty.
2. Proof of original ownership is provided by your purchase receipt and should be retained for your records.
3. If you intend to receive your service directly from Dive Rite, you must first obtain a Return Merchandise Authorization (RMA) number by calling Dive Rite at 386-752-1087. Your RMA number is to be printed on the address label of your package.