



DIVING UNLIMITED INTERNATIONAL



## OWNER'S MANUAL

Congratulations on purchasing DUI ZipSeals and/or ZipGloves. Properly used they will make your diving more comfortable and enjoyable. DUI ZipSeals and ZipGloves are intended for use by certified divers trained in the use of drysuits or individuals under the direct supervision of a qualified instructor.



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PROUDLY DESIGNED & MANUFACTURED IN THE USA

## TRIMMING GUIDE FOR LATEX & SILICONE ZIPSEALS™

Remember, these are only guidelines. If unsure, trim at least two lines smaller than recommended and only trim one line at a time. Due to the stretch some divers prefer to wear the silicone seals more snug than latex seals. Older or heavier divers may prefer a looser fit than shown below. If you have any questions, please contact the DUI Customer Support Team. For all other seal information, please see your DUI Drysuit Owners Manual.

NECK MEASUREMENT		SEAL TRIM LINE	
Inches	mm	Silicone	Latex
<11	279	13	
11.5	292	12	
12	304		
12.5	318	11	
13	330		
13.5	342	10	10
14	356	9	9
14.5	368		8
15	381	8	7
15.5	394		6
16	406	7	5
16.5	419		4
17	432	6	3
17.5	445		2
18	457	5 - 3	1
18.5	470		

WRIST MEASUREMENT		SEAL TRIM LINE	
Inches	mm	Silicone	Latex
4.5	114	10	10
5	127	9	9
5.5	140	8	8
6	152		7
6.5	165	7	6
7	179	6	5
7.5	191	5	4
8	203	4	3
8.5	216	3	2
9	219	2	0 - 1

## INSTALLING & USING DUI ZIPSEALS™ & ZIPGLOVES™

### WRIST ZIPSEAL

#### INSTALLING WRIST ZIPSEALS

1. Your drysuit must be equipped with ZipRings on the sleeves



2. Apply a small amount of soapy water into the grooves on the wrist ZipSeal (1 part mild dish soap to 10 parts water).



3. Invert the seal so you can get your fingertips on the inside of the ZipRing (this will help you press the rings together)



4. Insert the entire ring of the ZipSeal into the sleeve.



5. Line up the grooves on the wrist ZipSeal with the grooves on the sleeve. Press together. You should feel the grooves "click" together.



6. Repeat the procedure on the other sleeve.

*Remember: ALWAYS double check each ZipSeal before every dive to ensure the grooves are securely snapped together.*

#### REMOVING WRIST ZIPSEALS

1. While holding onto the ring on the sleeve, gently insert the tip of your finger into the groove on the ZipSeal.



2. Gently peel back the wrist ZipSeal while pulling the ring on the sleeve outward. Remove the rest of the wrist ZipSeal from the sleeve.



3. Repeat on the other sleeve.

### GI NECK ZIPSEAL

#### INSTALLING A GI NECK ZIPSEAL

1. Your drysuit must be equipped with a ZipRing on the neck. Turn the suit inside out.

2. Spray a small amount of soapy water into the grooves on both sides of neck ZipSeal (1 part mild dish soap to 10 parts water).



3. Pull the double ring on the drysuit slightly apart



4. Completely insert the neck ZipSeal into the ZipRing on the drysuit and line up the grooves.



5. Press the grooves together with your fingertips until you feel the grooves "click" together.

*Remember: There are two sides of the drysuit neck ZipSeal and both sides need to be locked in place.*



6. After pressing them together run your fingers around the neck ZipSeal once more to ensure it is secure on both sides of the neck seal.



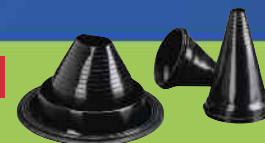
7. Turn the suit right side out before diving.

(continued on reverse side)

## !! WARNING !!

Improper use or misuse of ZipSeals/ZipGloves could result in suit flooding and loss of buoyancy control, including uncontrolled descents and uncontrolled rapid ascents, resulting in drowning, decompression sickness, or air embolism.

Improper use or misuse of ZipSeals/ZipGloves could result in exposure to thermal hazards, including rapid body overheating (hyperthermia) or cooling (hypothermia) resulting in stroke or seizure.



## REMOVING A G1 NECK ZIPSEAL

Removing a neck ZipSeal can be more difficult as it is locked between two rings  
 1. Insert your fingertip between the ZipRing on the neck seal and the ZipRing on the drysuit.



2. Insert your thumb between the ZipRing on the neck seal and the ZipRing on the drysuit to loosen the ring.



3. Gently pull the neck ZipSeal out of the ZipRing on the drysuit



## STORAGE OF LATEX ZIPSEALS

Not going to be using your drysuit for a while? Removing the ZipSeals from the drysuit and placing them in an airtight container will help them last longer. Because the latex used in DUI's ZipSeals is natural rubber, storing them in an airtight container (and removing as much excess air as possible) will dramatically reduce deterioration by ozone.

## G2 NECK ZIPSEAL

### INSTALLING THE G2 NECK SEAL

1. Pull the neck ZipRing through the warm neck collar on the drysuit to completely expose the ZipRing.



2. Apply soapy water to the ZipRing on the drysuit and the ZipRing on the G2 neck ZipSeal. The ratio of soap is much higher – 75% soap and 25% water.



3. Starting at one point, snap the neck ZipSeal ring into the ZipRing on the drysuit. As you get closer to completing the full circle, you will need to stretch the neck seal slightly.



4. When installed, check the inside of the seal to see that the two rings are evenly and completely locked all the way around.



5. Pull firmly on the seal. The seal should not pull free.



6. Tuck the neck ZipRing with ZipSeal back under the warm neck collar.



## REMOVING A G2 NECK ZIPSEAL

1. Have your drysuit right side out and completely open both zippers.



2. Reach under the overlay and grab the neck ZipSeal. Pull the neck ZipSeal out from under the overlay so you are completely exposing the neck ZipRing and ZipSeal.



3. Using your fingernail, separate a section of the ZipRing. Then use your fingers and pull the entire ZipSeal out of the neck ZipRing.



## ZIPGLOVES

There are two types of ZipGloves: ZipGloves and ZipGloves-WD.

### INSTALLING ALL ZIPGLOVES

1. Your drysuit must be equipped with ZipRings on the sleeves. Remove the wrist ZipSeal from the sleeve (see *Removing Wrist ZipSeals on other side*)



2. Apply a small amount of soapy water into the grooves on the ZipGlove (*1 part mild dish soap to 10 parts water*).



3. Invert the ZipGlove so you can get your fingertips on the inside of the ZipRing (*this will help you press the rings together*).



4. Line up the palm of the ZipGlove with the seam on the arm of the drysuit (*make sure you are putting the correct hand on the sleeve - i.e. left glove on the left arm*)



5. Line up the grooves on the ZipGlove with the grooves on the sleeve.



6. Press together. You should feel the grooves "click" together.



7. Run your fingers along the entire ring to ensure they are secure.



8. Repeat the procedure on the other sleeve.

## REMOVING ZIPGLOVES

Remove ZipGloves the same way as removing wrist ZipSeals. Please see other side.

## DIVING WITH ZIPGLOVES

Put on the liner before putting your hand in the gloves. More than one liner can be worn at a time for colder water applications. The liners are made with fast drying insulation which is used in a wide variety of industrial cold/wet applications.

After putting on the drysuit with ZipGloves, secure the wrist strap on the gloves. Do not over tighten the wrist strap as this could restrict blood flow to the hands.



Maximum Dexterity

Heavy-Duty

Do you have a question or concern? Contact us!  
 You can reach DUI Customer Support at [Support@DUI-Online.com](mailto:Support@DUI-Online.com),  
 619.239.1203 or toll-free at 800.325.8439, Monday-Friday, 8am-5pm, Pacific Time.





## ZIPGLOVES-WD™

This unique system is intended for dives where the risk of a glove leaking as a result of damage is high or the diver prefers to have a redundant seal on their wrist. To provide this redundant seal, ZipGloves-WD are equipped with a WristDam™; a donut-shaped wrist seal.

When properly fitted, the WristDam allows air to travel between the suit and gloves during the dive for added warmth and comfort. The WristDam will also mitigate water intrusion should the glove become damaged during the dive.



### TRIMMING THE WRISTDAM

1. Turn the opening of the ZipRing inside-out as it will make it easier to get to the inside WristDam.



2. Use the trim lines for fitting the WristDam to your wrist size. The lines on the WristDam are only a guide. You can make smaller adjustments to the opening size by trimming less on the WristDam.



3. The rings are counted from the outside in. The ring farthest from the opening is ring 1. A new pair of gloves has the WristDam trimmed on line 8.



Wrist Size	Trim Ring
5.5"	8 (untrimmed)
6"	7-8
6.25"-6.5"	6-7
6.75"	6
7"	5-6
7.25"	4-5

### CHECKING THE WRISTDAM FOR A PROPER FIT

You want to try on the gloves first (when they are not attached to a drysuit) to ensure you have a proper fit. A proper fit means the WristDam is snug enough to keep water out yet allows air to flow underneath it when the hand is flexed.

1. With the gloves not attached to a drysuit, put on a liner.



2. Bring your fingers together in a pointed cone and put them through the WristDam on the ZipGlove-WD.



3. Position the glove on the hand. Make sure the liner does not lie under any portion of the WristDam. The WristDam should be positioned at the small of the wrist.



Correct



Not correct

### CHECKING THE WRISTDAM FOR PROPER FUNCTION

While putting the glove on, excess air will become trapped in the glove. You will notice this when you close your hand making a fist, the glove will balloon. If the WristDam is properly trimmed, the glove will vent the excess air when the hand is closed into a fist and the wrist is flexed.



If the WristDam is too loose, the glove will not trap the air and could allow water to leak into the drysuit if the glove is punctured. No ballooning is noted when the hand is closed into a fist.

If a WristDam is too tight, the glove will not properly vent air when the hand is closed into a fist and the wrist is flexed. A seal that is too tight can restrict blood flow to the hands. Additional trimming may be required if the WristDam is too tight.

### INSTALLING ZIPGLOVES-WD

Installation of the ZipGloves-WD is the same as installing ZipGloves.

*HINT: Do not let anything come between the WristDam and the wrist. Clothing can cause leaking and/or flooding should the glove become damaged.*

*Before using other makes of gloves as a liner, check that they do not interfere with the function of the WristDam.*

### PUTTING ON A DRYSUIT WITH ZIPGLOVES-WD INSTALLED

1. Put on the drysuit as outlined in the DUI Drysuit Owner's Manual.

2. Put on liners before putting your arms into the drysuit sleeve. It is best to hold the thumb loop on the divewear insulation between the thumb and index finger and release it as soon as your fingers touch the WristDam. This keeps the divewear insulation thumb loops from getting under the WristDam and rendering them ineffective.

3. Bring your fingers together in a pointed cone and put them through the WristDam on the ZipGlove.



4. To get the WristDam in the correct position on the wrist, push the wrist ZipRing down towards the hand to insure that the WristDam is at the small of the wrist.



5. Check the WristDam for proper sealing and venting by closing the hand into a fist. When you do this, the glove should balloon. Check that the air can be vented from the glove by flexing the wrist (bring it toward you) while the hand is still in a fist. The air should vent into the drysuit sleeve. If the glove does not balloon when the hand is closed into a fist, something is interfering with the WristDam sealing. The glove should be removed and put on again.

6. Secure the wrist straps. Do not over tighten as this could restrict blood flow.

7. Repeat the process with the other arm/hand.

### DIVING WITH ZIPGLOVES-WD

1. During the descent or during the dive, gas can be added to the gloves by simply raising your hand above the high point in the suit - above the exhaust valve. You may need to close your hand and flex your wrist to get them to inflate slightly.

2. To vent gas from the gloves simply place the hands lower than the suit exhaust valve. You may need to close the hand and flex the wrist inward.

3. If for some reason you are experiencing difficulty getting gas to move between the glove and the drysuit, you can position the glove low or high as needed and, with your other hand, pinch the ZipGlove and pull the ZipRing away from the wrist. This will open a path between the glove and drysuit allowing air into or out of the ZipGlove-WD.

### ZIPGLOVE & ZIPGLOVE-WD MAINTENANCE

1. After diving, rinse the exterior of the glove with fresh water along with the rest of the drysuit.

2. If any moisture got into the glove (i.e. puncture or perspiration), remove the gloves to ensure that the inside of the gloves dry completely.

### ZIPGLOVE & ZIPGLOVE-WD REPAIR

If you think you have a puncture or leak in your glove:

1. Remove the glove from your drysuit.
2. Turn the glove inside out and fill with water.
3. Water will drip from the hole.
4. Mark a 1" diameter circle around the hole.
5. Allow to dry completely.
6. Apply AquaSeal to this 1" area. Follow the instructions provided by AquaSeal.
7. Allow to dry completely.
8. Turn right side out and attach to drysuit.

# ZipSeals™

BY DUI



Compressed Neoprene / Kevlar® ZipGloves with fleece liners

## SPECIAL NOTE FOR SILICONE ZIPSEALS

While DUI's silicone neck ZipSeal will work with all DUI neck ZipRings, the silicone wrist ZipSeal will only work on Generation 2 wrist ZipRings. These rings began being installed mid-2009.



Generation 2 Wrist ZipRing

This ring is smooth and has no seam in the center.



Generation 1 Wrist ZipRing

This ring has a noticeable seam in the center.

**XYZ**  
**eXamine Your ZipSeals!**

Before diving, **ALWAYS**  
check that your ZipRings  
are locked in place!

If your DUI drysuit has the Generation 1 wrist ZipRing, you will need to have your DUI retrofitted if you want to use silicone ZipSeals. Please contact our Service Department at 800.325.8439 or [Support@DUI-Online.com](mailto:Support@DUI-Online.com).

### HOW TO CLEAN YOUR DUI SILICONE ZIPSEALS:

Use mild soapy water and a soft cloth to clean your DUI Silicone ZipSeals when needed.



DIVING UNLIMITED INTERNATIONAL, INC.  
1148 Delevan Drive, San Diego, CA 92102-2499 USA  
800.325.8439 • 619.236.1203 • Fax 619.237.0378  
[DUI-ONLINE.COM](http://DUI-ONLINE.COM)