Neck Tite

User Manual

Photo: Jonas Andersson/Lysekil

SI TECH®

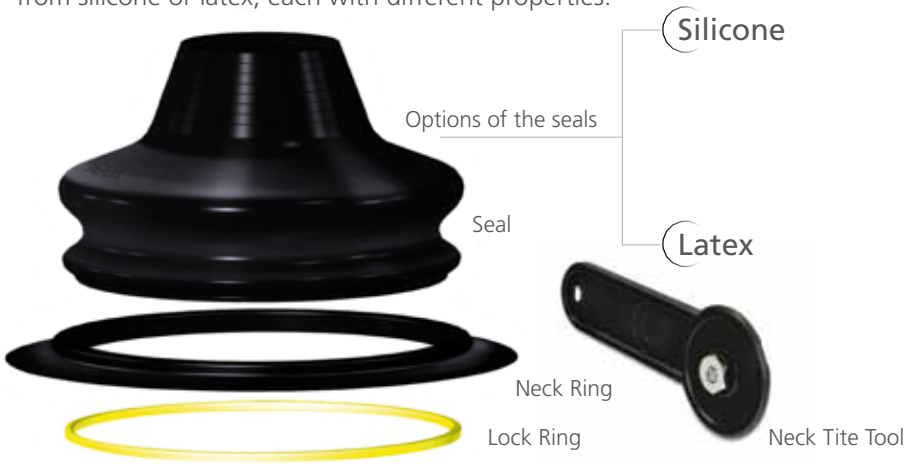
INNOVATIVE SAFETY SOLUTIONS – MADE IN SWEDEN

www.sitech.se

Neck Tite – User Manual

We want to congratulate you on your purchase of the Neck Tite system, a Modular Quick Change Solution developed and manufactured by SI TECH in Sweden.

The Neck Tite system is designed as a modular seal attachment platform providing the opportunity to quickly change a broken, torn or aged seal. It provides you with the flexibility to choose from a variety of seals made from silicone or latex, each with different properties.



Components

The system itself consist of four components:

• Neck Ring • Lock Ring • Neck Tite Tool • Neck Seal (silicone or latex)

Benefits

- You can choose from a variety of seals; fabrics and sizes.
- If a seal brakes, you will be able to quickly solve the problem without ruining the activity of the day.
- A suit used by several people can easily be adjusted with correct size of seal within minutes.

This manual does not address the topic of gluing/attaching the Neck Ring to your drysuit. Please visit: www.sitech.se for information.

1. Mounting seal

1.1 Place the Lock Ring on the inside of the seal. Ensure that approximately 1,5 cm of the seal is pulled over the Lock Ring.

1.2 Put the seal in position over the Neck Ring (mounted on your drysuit) with the Lock Ring on top of the tapered groove in the Neck Ring.

1.3-1.4 Put the Neck Tite Tool in position as image displays. By applying force, press the Lock Ring down into the tapered groove of the Neck Ring so that the Lock Ring enters the groove and locks into position. **Use a flat surface when performing this operation.**

1.5 Push the Neck Tite Tool forward along the Lock Ring until all of it has been forced into the groove in the Neck Ring. (Strive to get the same amount of excess part of seal around the entire assembly, see image **1.6.**)

1.6 Ensure that the excess part of the seal is similar throughout the entire dressing. We recommend between 1,5-2 cm.

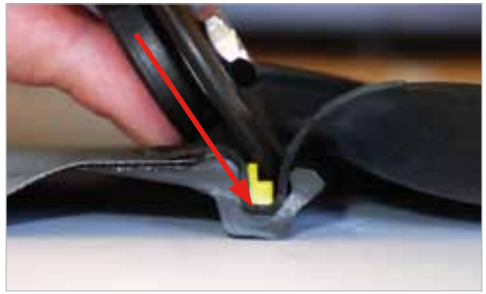
1.7 Check that the Lock Ring is in position by following the groove 360°.

1.8 After completing the seal attachment section, perform a security check:

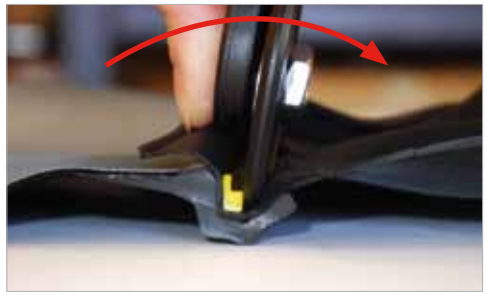
Grab the end of the seal as the image shows and pull it gently away from the joint to ensure that it is seated properly. Do not use excessive force! Simulate the same force as used when donning suit.

2. Detaching seal

2.1 Press the Neck Tite Tool towards the bottom of the groove in the Neck Ring. (See also cross section in image **2.2**.)



2.2 Press the tool in the direction of the arrow and force the groove in the Neck Ring to "open up" and start releasing the Lock Ring.



2.3 When the tool has reached the bottom of the groove, it´s time to use the tool to bend up the Lock Ring from the groove.

2.4 Press up the Lock Ring from the groove.

2.5 When you have successfully released the Lock Ring you can use your fingers to pull the seal and Lock Ring out of its position.

If the same seal shall be used again, please be careful and check for damages on the seal.

These are suggested instructions only

Whatever method chosen, be certain the neck seal, be it latex or silicone, is properly treated. Always make a leakage and stress test on your drysuit seals before diving.

Maintenance and Storage

- Avoid exposing the seals to direct sunlight.
- Always clean your seals from sweat and salt water.
- Use talc on seals to extend the lifespan.
- Remove seals during long periods of storage.

Spare Parts

Item no.	Item
60176	Neck Ring
60172	Lock Ring
60160	Neck Tite Tool
61630	Silicone neck seal, circumference 28-37 cm
61631	Silicone neck seal, circumference 22-30 cm
61655-S	Latex neck seal, circumference 24-32 cm
61655-M	Latex neck seal, circumference 28-37 cm
61655-L	Latex neck seal, circumference 35-43 cm

SI TECH is a Swedish company focusing on manufacturing and marketing of components for protective suits such as; drysuits, rescue suits and garments designed for diverse hostile environments. SI TECH is rooted in the diving industry which is still the company's core market. The company was founded in 1971 by the diving pioneer Stig Insulán.

Core products

Modular Quick Change Solutions, Drysuit Valves, Drysuit seals, Dry Glove Systems, Gas Inflation Systems and special compoents for military purposes

Inhouse capabilities

Development and production is made in-house at our facilities in Brastad, Sweden. Inhouse competencies include: CAD construction, Injection Molding, CNC Machining, EMD Machining, Assembly, Sales and Marketing, Logistics and Administration. Our team of engineers, sales and marketing personell have close co-operation with the distributors and end-users of our products.

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