Quick Cuff

User Manual

Photography: Jonas Andersson/Lysekil

SI TECH®

INNOVATIVE SAFETY SOLUTIONS – MADE IN SWEDEN

www.sitech.se

Quick Cuff - User manual

We want to congratulate you on your purchase of a Modular Quick Change Solution developed and manufactured by SI TECH in Sweden. Our products enhance your capacities through increased comfort and safety. All of our products are made in Sweden and used worldwide by the full spectrum of divers.

Quick Cuff turns your drysuit into a modular platform able of carrying a variety of different seals as well as the possibility of changing a torn or broken seal in minutes without tools or glue. It is also fully compatible with the Quick Glove System and the Glove Lock QCP system. **Note** that the Wrist Ring has to be glued onto the suit.

Wrist Ring Stiff Ring

Components

The system itself consists of three components per arm:

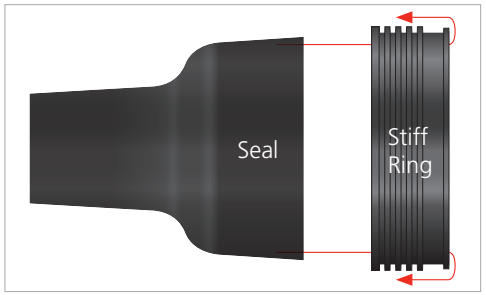
- Wrist Rings
- Stiff Rings
- Wrist Seals (silicone or latex)

Benefits

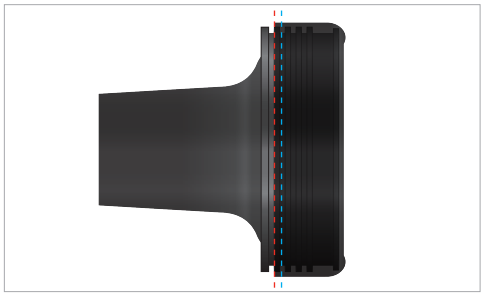
- Turns your drysuit into a modular platform capable of carrying a variety of different seals and Dry Glove systems.
- Provides the opportunity of changing a torn or broken seal in minutes without tools or glue.

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

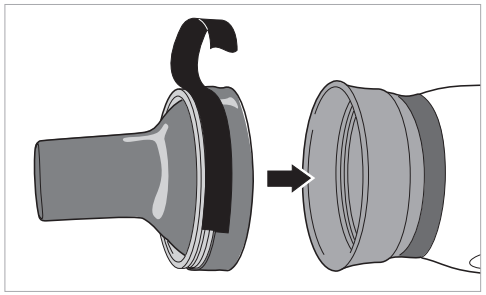
1. Mounting seals



1.1 Carry the seal through the Stiff Ring and invert the rear section of the seal to the outside of the Stiff Ring. Position the rear end of the seal as the illustration shows.

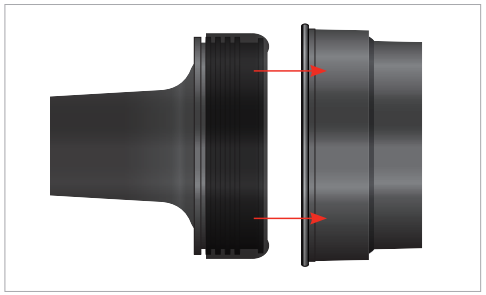


Seal position: The red, dotted line indicates the final position of latex seals. The blue, dotted line indicates the final position of silicone seals. **NOTE:** The seal must be placed evenly around the Stiff Ring – no bumps or gaps.



A tips for mounting of latex seals:
The latex seal can be secured with flexible tape before insertion into the Wrist Ring, to prevent the seal from sliding. Make sure the seal covers the locking groove.

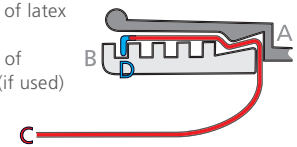
2. Attach to Wrist Ring



Cut out section of assembly shows how the the components shall be aligned when assembled correct.

A. Wrist Ring
B. Stiff Ring
C. Final position of latex seal (if used)
D. Safety flange of silicone seal (if used)

SEAL MUST BE USED AT ALL TIMES



2.1 Initiate the assembling process by holding the seal as the left image shows. This is just to align the rings and to ensure the seal stays in position for the first 2/3 of the travel length. Hold the front end of the seal in a firm grip when pressing the seal assembly into the Wrist Ring. Ensure that the inverted part of the seal does not slip from its position while being pressed into the Wrist Ring. For the last part of the assembly you need to change grip and work as the right image shows. Stretch the seal using the force direction of the arrow, at the same time you should press the Stiff Ring into the assembly. Repeat this operation in several steps 360° around the rings until the seal assembly reaches the bottom of the Wrist Ring.

3. Detaching the Quick Cuff assembly

3.1 If for some reason you need to remove the Stiff Ring and/or change seal; simply press the Wrist Ring as hereby explained. The arrows in the illustration show the directional force needed to release the assembly.

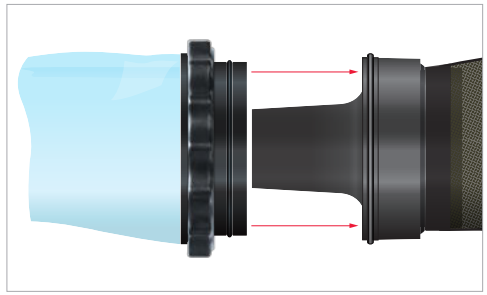
These are suggested instructions only

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

Use together with Dry Gloves

The Quick Cuff is adapted for use as an attachment platform for the Dry Glove systems; Quick Glove and Glove Lock QCP made by SI TECH. Both of these systems provides the user a variety of dry gloves to be used.

The Glove Lock QCP attaches easily to the Quick Cuff by connecting the Wrist Ring of the Quick Cuff inside the Assembly Ring of the Glove Lock QCP. Step by step explanation of this procedure is to be found in the Glove Lock QCP manual available at; www.sitech.se.
The yellow Wrist Ring above is used only for illustrative purposes and is not available for sale.



The Quick Glove attaches directly into the Stiff Ring of the Quick Cuff system. Step by step explanation of this procedure is to be found in the Quick Glove manual available at; www.sitech.se.

Important information

- A cuff seal provides the sealing of the system and must be used at all times, even when the Quick Cuff is used in combination with a SI TECH Dry Glove System.
- A minimun seal thickness of 0,8 mm is recommended. Use of a thinner seal may cause leakage.
- Test the strength and seal integrity before diving.

Maintenance and Storage

- Remove the Stiff Ring regularly to rinse the cuff seal and/or glove from salt or debris and to relieve the Wrist/Rubber Rings and seals from stress settings, especially when storing for prolonged periods.
- Avoid exposing the Wrist/Rubber Ring to heat or sunlight. Subjecting the assembled unit to prolonged heat or sunlight with an inserted cuff seal is not recommended. The material may expand, which could cause leakage.
- Remove the Stiff Ring if the drysuit shall be stored for prolonged periods! This will decrease stress on the Wrist Ring. Long periods of stress on the Wrist Ring might result in leakage or other damage to the system.

Spare Parts

Item no.	Item
60420	Wrist Ring
60200	Stiff ring
61025	Silicone Seal, Standard (wrist circumference 13,2-17 cm / 5,2-6,7”)
61026	Silicone Seal, Small (wrist circumference 10,6-15 cm / 4,2-5,9”)
61150	Latex Seal, X-Small (wrist circumference 12,5-14 cm / 5,0-5,5”)
61130	Latex Seal, Small (wrist circumference 13,5-16 cm / 5,4-6,4”)
61100	Latex Seal, Medium (wrist circumference 15,5-18 cm / 6,2-7,4”)
61090	Latex Seal, Large (wrist circumference 18-21 cm / 7,2-8,4”)

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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