

# *SLÄGGÖ Flex Ring*

*User Manual*



[www.sitech.se](http://www.sitech.se)

SI TECH 

## SLÄGGÖ Flex Ring - User Manual

We want to congratulate you on your purchase of a Modular Quick Change Solution developed and manufactured by SI TECH in Sweden. SLÄGGÖ Flex Ring is a soft and flexible Modular Quick Change Solution that provides superb comfort and performance. A broken seal can be changed in minutes, without tools or glue. SLÄGGÖ Flex Ring can be mounted in great range of garments and you will be able to choose from a variety of seals and sizes.



This manual does not address the topic of gluing/attaching the PU-Ring of the SLÄGGÖ Flex Ring to your suit/garment. Please visit: [www.sitech.se](http://www.sitech.se) for further information.

## Components

The system itself consists of **four components per arm:**

- PU-Rings
- Spanner Rings
- Clips (set of six clips per PU-Ring)
- Wrist Seals (silicone or latex)

## Benefits

- A soft and flexible solution that provides superb comfort.
- Provides the opportunity of changing a torn or broken seal in minutes without tools or glue.
- Provides the opportunity to choose from a variety of seals and sizes.
- Provides the possibility to use as attachment platform for Dry Glove System.

## 1. Mounting seals



**1.1** Assemble the seal by inserting it through the yellow Spanner Ring and bringing it back 0,5-1 cm over the yellow Spanner Ring. Note! The thin part of the yellow Spanner Ring should point outwards (when installing the assembly into the PU-Ring.)



**1.2** Push the seal and Spanner Ring assembly into the groove of the PU-Ring. Push with your thumbs all around the ring. Note! You need to force a bit harder on the last part to be able to complete the installation.

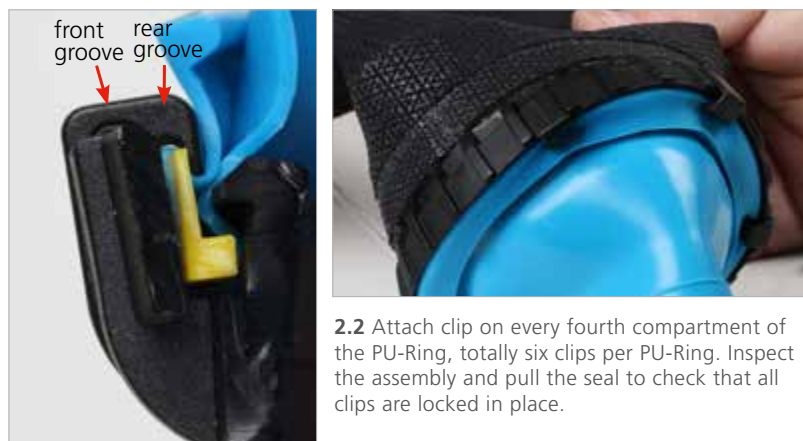


**1.3** Check that the yellow Spanner Ring is in position all around the ring.

## 2. Mounting clips

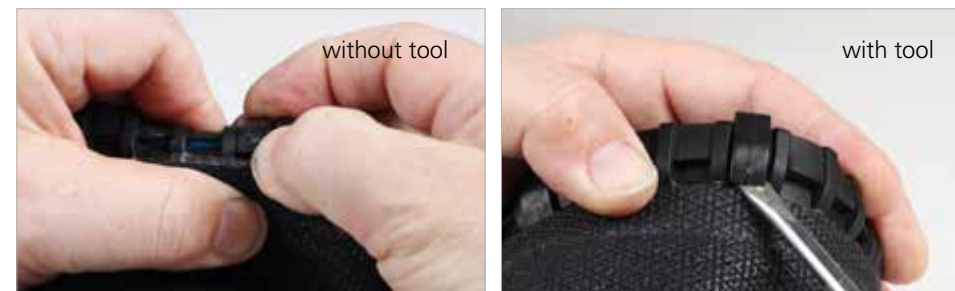


**2.1** Install the clips from the seal side of the assembly. The rear groove should be positioned over the yellow Spanner Ring and the seal, front grooves (upper and lower) should be positioned over the PU-Ring. Push hard on the clip, from the seal side of the assembly. Fold the clip over the PU-Ring until both grooves are in position. Make sure the clip is correctly locked into place.



**2.2** Attach clip on every fourth compartment of the PU-Ring, totally six clips per PU-Ring. Inspect the assembly and pull the seal to check that all clips are locked in place.

## 3. Detaching clips and seals



**3.1** Press with your thumb on the flat surface under the clip that you want to remove. Lift the bottom part of the clip with your other hand and fold the clip up- and backwards. If the clip is hard to remove by hand, you may use a tool to lift the clip up- and backwards. (For example a screw driver or other tool that has a flat and blunt edge.)



**3.2** SLÄGGÖ Flex Ring is designed for dynamic flexibility and will not demand tools for release of the seal and Spanner Ring assembly. Grab the seal and Spanner Ring assembly with one hand and bend it out of the PU-Ring with the other hand. Pull firmly until the seal and Spanner Ring comes loose. Note! Be aware of the fact that sharp finger nails might damage the seal.

### *These are suggested instructions only*

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

### *Use together with Dry Gloves*

SLÄGGÖ Flex Ring can be used as an attachment platform for Dry Glove System made by SI TECH. (Dry Glove System for SLÄGGÖ Flex Ring is planned to be launched summer/autumn 2017.)

### **Important information**

- A cuff seal provides the sealing of the system and must be used at all times when the suit/garment is intended to be dry.
- A minimum seal thickness of 0,8 mm is recommended. Use of a thinner seal may cause leakage.
- Test the strength and seal integrity before use.



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been trusted by divers  
for more than 40 years**

### *Maintenance and Storage*

- Remove the Spanner Ring and seal regularly to rinse the cuff seal from salt or debris and to relieve the PU-Rings and seals from stress settings especially when storing for prolonged periods.
- Avoid exposing the PU-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.

### *Spare Parts*

Item no.	Item
60710	SLÄGGÖ Flex Ring, large (black)
60714	Clips set for SLÄGGÖ Flex Ring, pack of 6 (black)
60715	Spanner Ring for SLÄGGÖ Flex Ring, large (yellow)
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")
61060	Latex Seal, X-Small (wrist circumference 12,5-14 cm / 5,0-5,5")
61061	Latex Seal, Small (wrist circumference 13,5-16 cm / 5,4-6,4")
61062	Latex Seal, Medium (wrist circumference 15,5-18 cm / 6,2-7,4")
61063	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 components 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.*

