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## In general

The Armon Elemento is electrical driven mechanical arm support. It has a unique mechanism that compensates the weight of the users arm. Thereby the arm is weightless. People with limited strenght can then use the strength they have got left to lift their arm again. The weight compensation is electronically steplessly adjustable through the controls.

The arm supports do not take over any function. They only support the arm. The user makes the movements himself, using the strength he's got left. This is good for the muscles and joints of the user. Our products follow all the movements and support the arms in a 3D area.

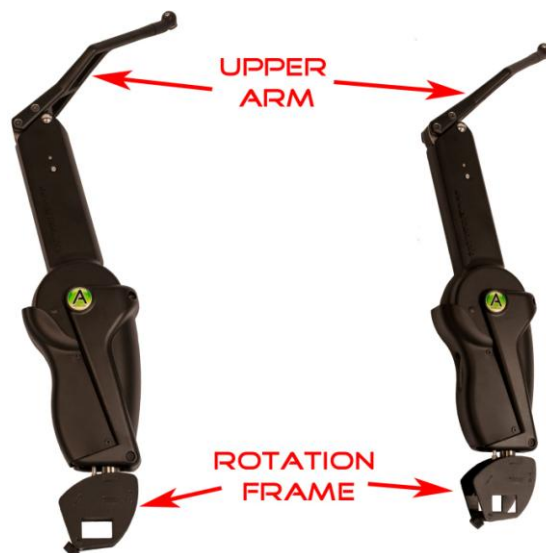
The Armon Elemento can compensate an arm weight from 900 gram up to 4500 gram. The Elemento light can compensate an arm weight from 600 gram up to 2500 gram. It is possible to mount all types of Armon braces.

The Armon Elemento weighs approximately 6100 gram.

## Parts of the Armon Elemento

The Armon Elemento has a rotation frame which is also the mouting point.

The end of the upper arm is where the brace is mounted.

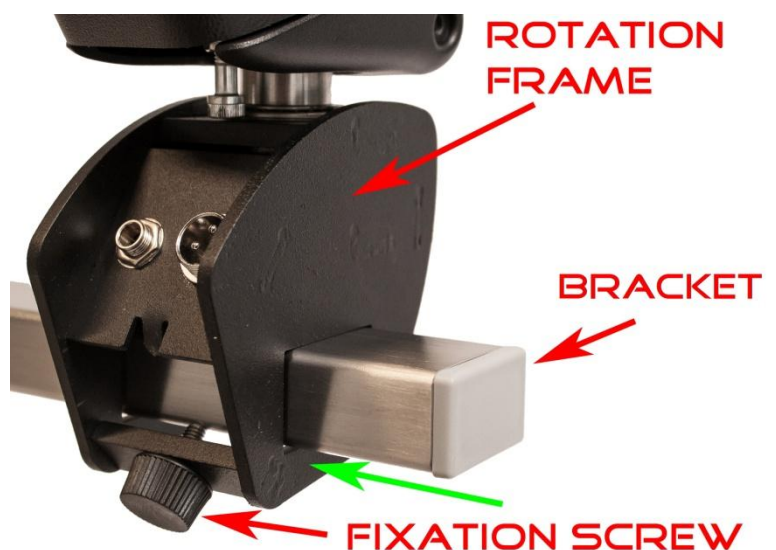


## Mounting of the Armon Elemento

You can mount the Elemento simply by sliding it onto a bracket. You can than fixate it on the right position by turning the fixation screw in a clockwise direction. Make sure the screw is tightened firmly before using the Elemento.

For dismounting, follow the above steps in a reverse order.

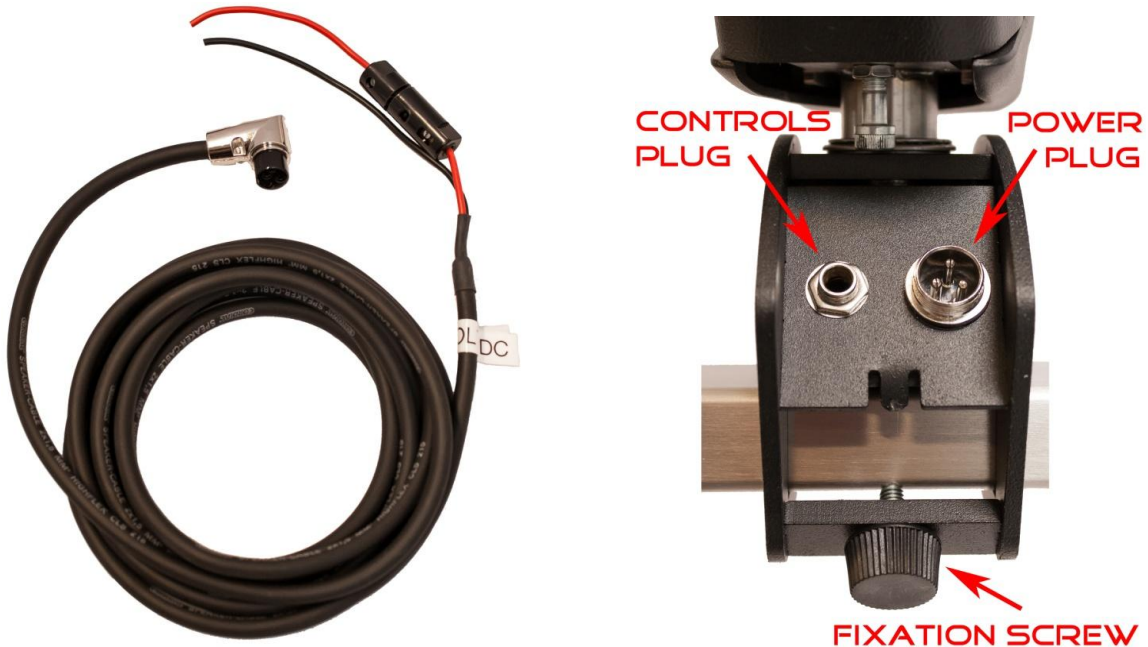
Before dismounting the Elemento make sure that the power and controls cables pulled out of the rotation frame. See the follwing page.



### Placing the power cable

The Elemento is an electrical driven armsupport. The Elemento has to be connected to a 24 volt battery. This can be the battery of a work chair, an electrical wheelchair or another 24 volt battery. The power cable plug goes into the left opening of the rotation frame.

The power cable has a plug at one end that goes into the Elemento and two wires at the other end to connect to the battery. Red is positive , black is negative. The positive wire has a fuse. Make sure this is connected.



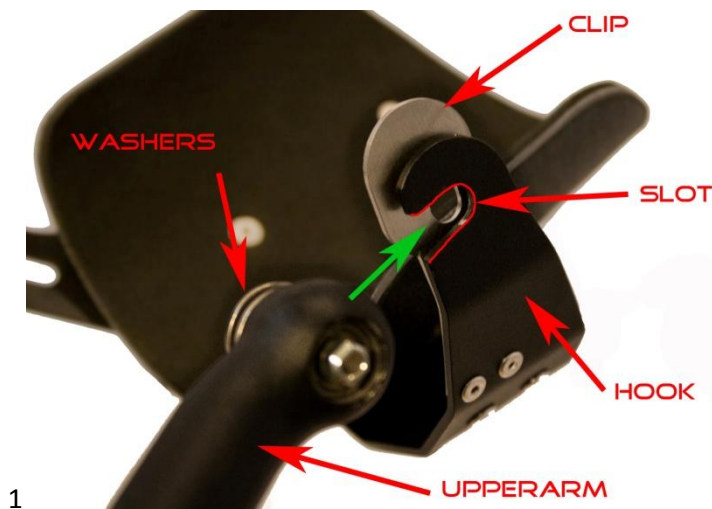
### Placing the controls cable

You can adjust the level of compensation with the controls. The controls cable has a plug on one end that goes into the Elemento and the controls on the other end. The controls plug goes into the left opening of the rotation frame.

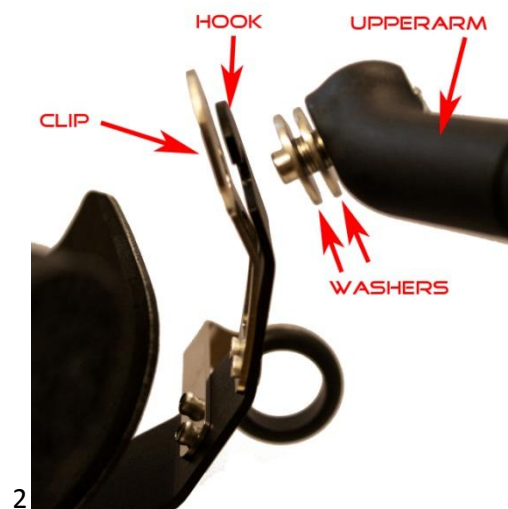


## Attaching the brace

All our braces are exchangeable between all our arm supports. You can easily attach and detach them. See the pictures and explanation below.



1



2

1/2 The upper arm should slide into the slot of the hook of the brace in the direction of the green arrow.

3 Pull the clip inwards to slide the hook of the brace between the two washers of the upperarm.

4 Make sure the clip locks over the head of the bolt. The head of the bolt should be visible through the clip.



3



4



## Placing the arm

Place the arm in the brace in the following way:



- The underarm should lay in the brace
- The upper arm should be placed against the upper arm support, not far above the elbow.
- The elbow should be free.
- The upper arm support consists out of non allergic rubber with a stainless steel frame in it that can be bent in any direction so that it is the most comfortable for the user

## Adjusting the force

You can adjust the level of compensation (force) of the Elemento steplessly, to compensate the weight of every arm. This can be done with or without the arm placed in the Elemento.

You adjust the force using the controls. Dimensions of the controls: length width height: 40 x 40 x 25 mm. The controls (without cable) weigh approximately 50 gram. Thereby it is easy to mount it somewhere by using velcro.



The controls has two buttons:

- One dot: more compensation
- Two dots: less compensation

## Usage, safety, warranty and cleaning instructions

### Usage:

The Armon Elemento is an arm support and should only be used to support the weight of an arm with a maximum weight of 5000 gram per arm.

### Safety:

- The arm support may only be used for the proposed purpose. Any type of use which is not specified in this manual, will be considered as improper use. The customer is solely responsible for material damage and injury of persons resulting from improper use; Armon Products will not be liable under any circumstance.
- Assembly, commissioning and maintenance should only be carried out by trained specialists.
- In any circumstance, do not open the housing of the arm support. Warranty is void in such case.
- Never operate the arm support in spaces exposed to explosion hazards.
- Do not use the arm support in environments exposed to corrosion hazards.
- Protect the arm support against sand, vapours and dust.

### Warranty:

- Warranty claims shall be voided in case:
- Our conditions in the operating manual are ignored
- The appliance is used outside the described uses
- Any part of the appliance is modified or opened
- The appliance is improperly set up or incorrectly electrically connected

### Cleaning:

The Armon Elemento, the brace and the controls can be cleaned with a wet cloth. The Armon Elemento is splash-proof, the brace and controls are waterproof. When cleaning do not use any chemicals or solvents.

### Technical data:

Weight:	6100 gram
Weight compensation range:	600 till 4500 gram
Housing size WxDxH (in upwards position)	17x10x85 cm
Housing material:	Die cast aluminum and ABS plastic
Unique identification of the object:	E2015100, E2015101, E2015102... E2015200
Description of object:	Electrically actuated, mechanical arm support as in conformity with CEN/TC 293/WG 5

*The object of the declaration described  
above is in conformity with the relevant  
Community harmonization legislation:*

Directive 93/42/EEC	EN ISO 22523:2006
EN 1041:2008	EN 60601-1:2006
EN 60601-1-2:2007	IEC 60601-1-1:2000
IEC 60601-1-6:2010	

*The object of the declaration described  
above meets the demands for CE labeling:*

Medical Device Class I

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