

user manual

# ARMON PURA



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## In general

The Armon Pura is a fully mechanical arm support. It has a unique mechanism that compensates the weight of the users arm. Thereby the arm is weightless. People with limited strength 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.

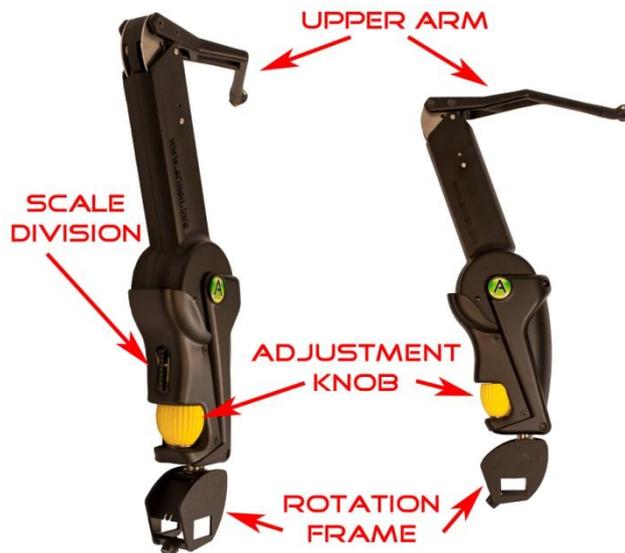
The Armon Pura can compensate an arm weight from 900 gram up to 4500 gram. The Pura light can compensate an arm weight from 600 gram up to 2500 gram. It is possible to mount all types of Armon braces.

The Armon Pura weighs approximately 5500 gram.

## Parts of the Armon Pura

The Armon Pura has a rotation frame which is also the mounting point.

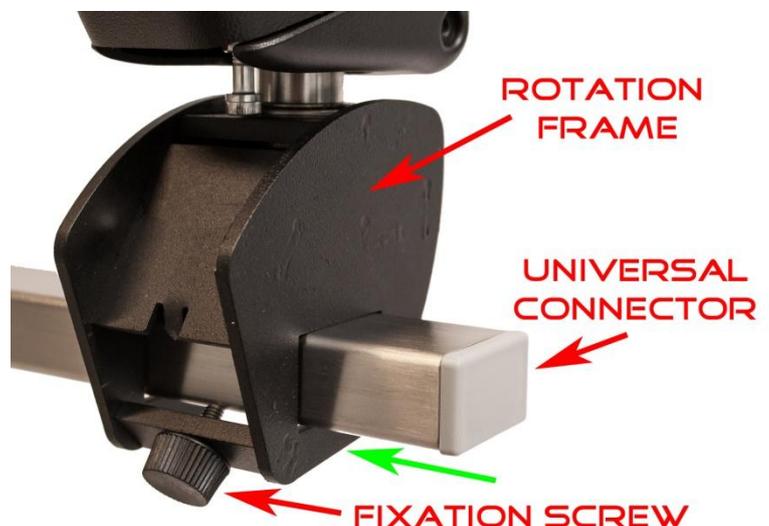
The end of the upper arm is where the brace is mounted.



## Mounting of the Armon Pura

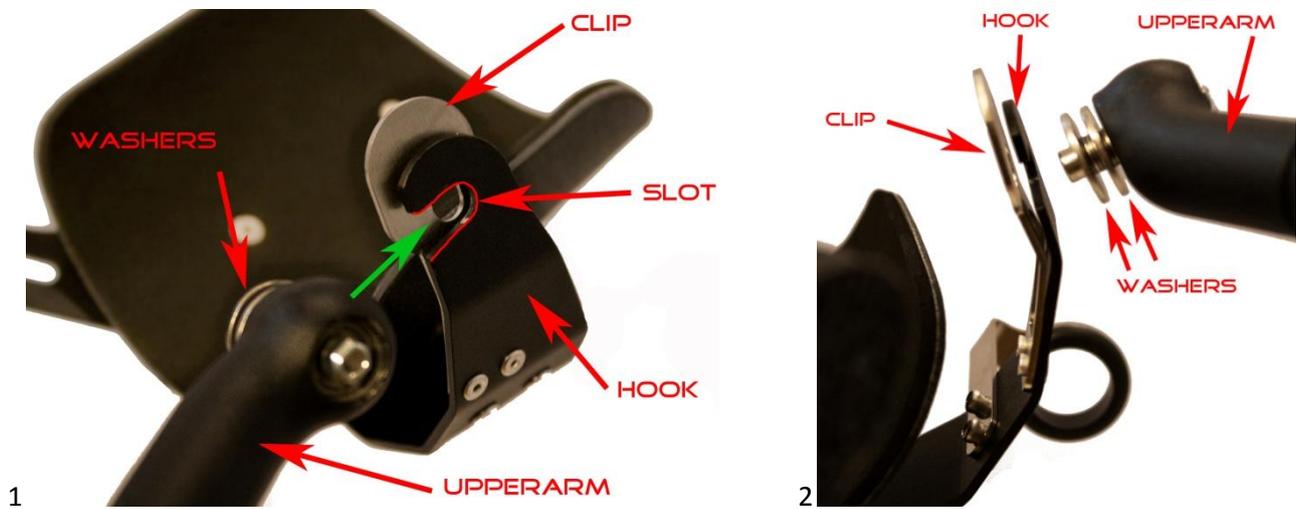
You can mount the Armon Pura simply by sliding it onto a bracket or the universal connector. You can then fixate it on the right position by turning the fixation screw in a clockwise direction. Make sure the screw is tightened firmly before using the Pura.

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



## Attaching the brace

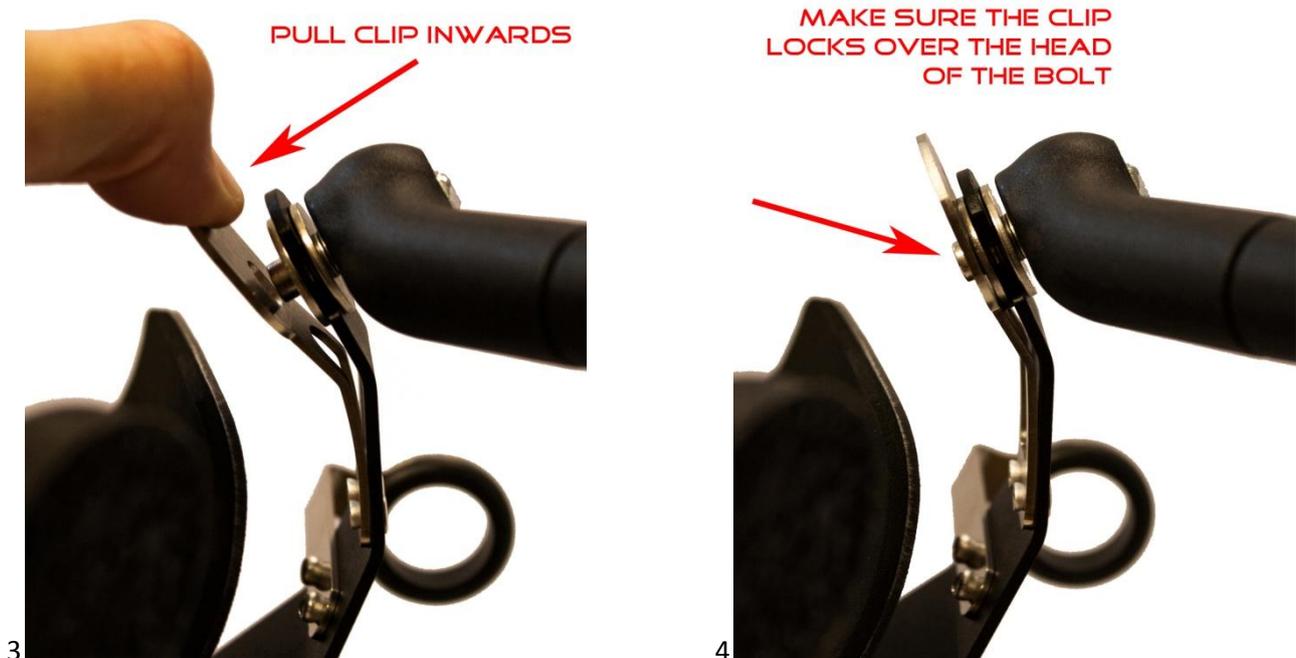
All our braces are exchangeable between all our arm supports. You can easily attach and detach them. See the pictures and explanation below.



1/2 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.



## 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 Pura steplessly, to compensate the weight of every arm. This can be done with or without the arm placed in the Pura. You adjust the force by turning the yellow knob at the back of the Pura.

Turning the yellow knob moves the white indicator through the scale division. On the scale division are numbers . The numbers reference to a level of weight compensation.



An arm weighs approximately 5 % of your body weight. In the figure below, in the first three collums, you can see how much an arm weighs at a certain body weight.

In the fifth and sixth collum you can see the amount of force that is given by the Pura at which number. This gives an indication for adjusting the right level of compensation. In practice users seldom compensate 100% of their arm weight. Most common is 50% till 70% compensation.

Body weight (kilo)	Weight of one arm 60% (gram)	Weight of one arm 100% (gram)		Number (see postion indicator)	Force given by Pura (gram)
30	900	1500		min	980
40	1200	2000		1	1280
50	1500	2500		2	1560
60	1800	3000		3	1840
70	2100	3500		4	2100
80	2400	4000		5	2380
90	2700	4500		6	2680
100	3000	5000		7	3000
110	3300	5500		8	3280
120	3600	6000		9	3520
130	3900	6500		max	4180

Adjust the level of weight compensation by:

- Turning the knob in clockwise direction: The Pura gives more compensation
- Turning the knob in counterclockwise direction: The Pura gives less compensation



## Usage, safety, warranty and cleaning instructions

### Usage:

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

### Technical data:

<i>Weight:</i>	6100 gram
<i>Weight compensation range:</i>	600 till 4500 gram
<i>Housing size WxDxH (in upwards position)</i>	17x10x85 cm
<i>Housing material:</i>	Die cast aluminum and ABS plastic
<i>Unique identification of the object:</i>	E2015100, E2015101, E2015102... E2015200
<i>Description of object:</i>	Fully mechanical arm support as in conformity with CEN/TC 293/WG 5
<i>The object of the declaration described above is in conformity with the relevant Community harmonization legislation:</i>	Directive 93/42/EEC EN ISO 22523:2006 EN 1041:2008
<i>The object of the declaration described above meets the demands for CE labeling:</i>	Medical Device Class I

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