



HAPO UP INSTRUCTION MANUAL

V04.25

HAPO CS

I. Table of contents

II. General description.....	3
II.1 Document version control.....	3
II.2 Abbreviations and definitions.....	3
II.3 Identification.....	3
II.4 Manufacturer.....	4
II.5 Symbols as per regulation.....	4
III. General description.....	4
III.1 Components.....	4
III.2 Technical specifications.....	5
IV. Compliance & Safety.....	6
IV.1 Staff type.....	6
IV.2 Staff qualifications	6
IV.3 Intended use.....	6
V. Types of use.....	7
V.1 Precautions for use	7
V.2 Contraindications	8
V.3 Residual risks	8
V.4 Incidents.....	8
VI. Operating procedure.....	8
VI.1 Unpacking and assembly	8
VI.2 Installing and adjusting the HAPO UP.....	11
VI.3 Removing the HAPO UP.....	15
VII. HAPO UP - HAPO FRONT interchangeability.....	16
VIII. Transport and storage	17
IX. Maintenance	17
IX.1 Textile cleaning and care	17
IX.2 Disassembly and reassembly for textile cleaning.....	18
IX.3 Cleaning the plastic components.....	18
IX.4 General maintenance	19
IX.5 Spare parts and accessories	21
X. Commercial warranty.....	23
XI. Recycling.....	23
XII. Disposal.....	23
XIII. Legal information.....	23
XIV. Liability.....	23

HAPO CS

II. General description

The HAPO UP is a passive physical assistance device. It is designed to relieve the upper limbs and shoulders. It is particularly suitable for tasks that require assistance when arms are raised. Its range of motion (or amplitude) is 0° to 180° vertically, with a vertical assistance range of 60° to 180°, and -90° to +90° horizontally.

This document is the instruction manual for the HAPO UP exoskeleton. It contains all information about the product, from receipt until end of life. Please read the entire leaflet before installing the HAPO UP exoskeleton for the first time and refer back to the leaflet for any questions about use. This leaflet should be kept for the product's lifespan.

II.1 Document version control

Date	Revision	Description
09/2023	A	Document creation
16/01/2025	V.01.25	Spare parts, warranty and general updates
29/04/2025	V.04.25	Recycling version

Table 1: Version control

II.2 Abbreviations and definitions

Abbreviations	Definitions
PAD	Physical assistance device, i.e. passive exoskeleton
Passive	Without an external energy storage or supply
PPE	Personal protective equipment

Table 2: Abbreviations and definitions

II.3 Identification

The HAPO UP traceability label is located on the belt frame. To access it, open the textile flap on the belt and remove the frame (see IX.2).

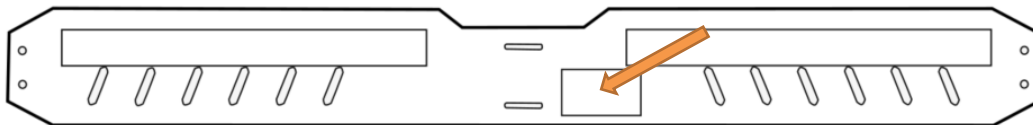


Figure 1



Figure2

Number	Definition
A	Manufacturer's name and address
B	Product logo
C	Manufacturer's address
D	Device name
E	Product type
F	Serial number
G	Year of manufacture
H	Test mark
I	CE marking

Table 3: Label description

HAPO CS

II.4 Manufacturer

- ErgoSanté Technologie
- Registered office: 28 ZA de Labahou 30140 Anduze – France
- +33 8 05 69 06 91 (cost of a local call)
- contact@ergosante.fr



ErgoSanté is certified ISO 9001:2015 - Quality management systems



or

- Hapo USA Corporation
- Registered office: PO Box 31, Danville
KY 40423 – United States
- contact@hapo.us



II.5 Symbols as per regulation

General hazard sign	General mandatory sign	General prohibition sign	Cardiac simulators and implanted defibrillators prohibited

Table 4: Reminder of symbols meaning

III. General description

III.1 Components

The HAPO UP exoskeleton is made up of the following components (cf. Figure 3/4 and Table 5):

- **Straps:** making it easy to put the exoskeleton in place by positioning it on the shoulders. The shoulder straps (6) are adjustable at the front and back, with hook-and-loop fasteners to fit the user.
- **Belt:** allows weight to be transferred from the arms to the waist and/or hips. It consists of a frame (3) acting as a structure, covered by a comfortable textile layer (1).
- **Interfaces:** allow the transfer of exertion in the user's arms. The interfaces (7) are positioned at the biceps and can be adjusted using the elastic straps (10).
- **Articulated arms:** recoup part of the weight in the user's arms by returning them to the HAPO UP belt. Assistance is provided through a composite spring (17), the force of which can be adjusted using the thumb wheel (18). The position of the arm can be adjusted, both in height using the telescopic tubes (15) and around the hips using the indexing plungers (11) on the belt frame.
- **Rappel straps:** keep the articulated arms (5) by the user's back. The rappel straps (4) reduce external overload on the HAPO UP.

HAPO CS

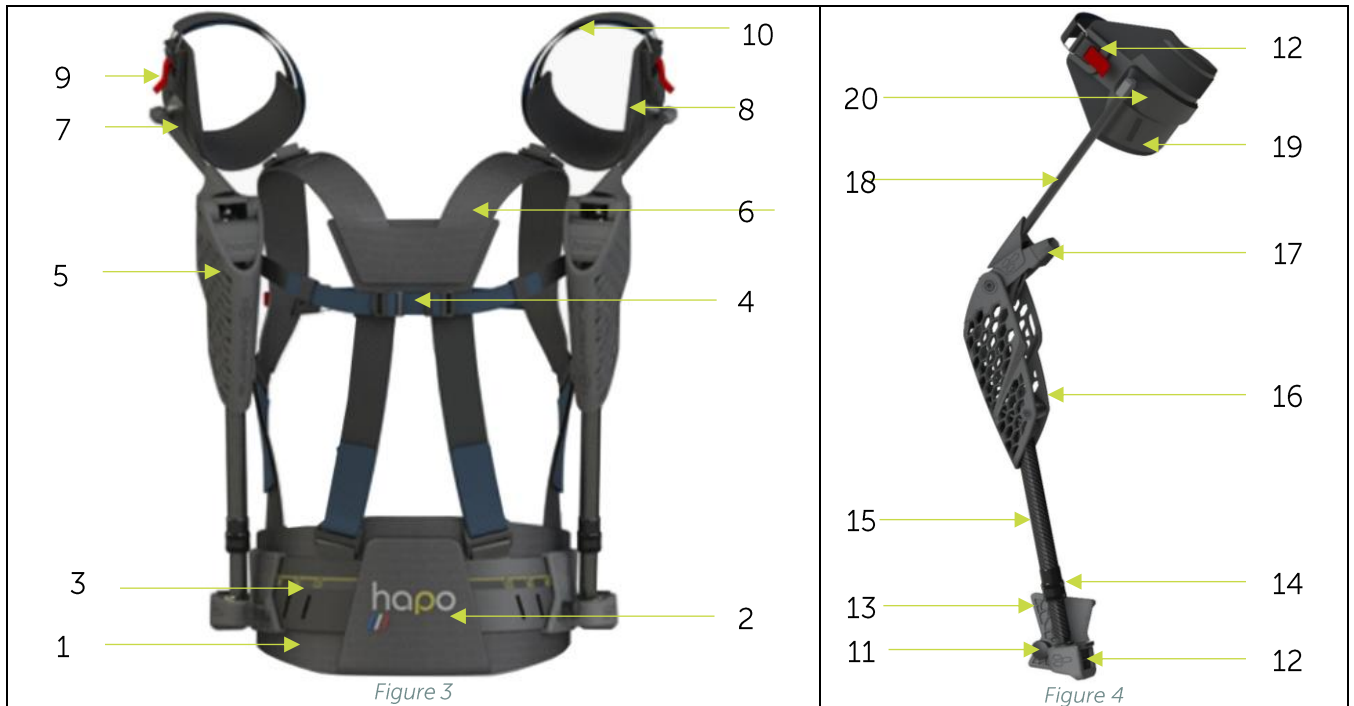


Figure 3

Figure 4

Position	Component name	Position	Component name
1	Textile belt	11	Indexing plunger
2	Flap	12	Magnetic support strap
3	Belt frame	13	Hip support
4	Rappel strap	14	Clamping ring
5	Articulated arm	15	Telescopic tube
6	Textile shoulder strap	16	Spring blade
7	Interface	17	Adjustment thumb wheel
8	Interface pad	18	Boom
9	Magnetic clip	19	Interface frame
10	Interface strap	20	Interface support

Table 5: HAPO UP exoskeleton components

III.2 Technical specifications

Assistance	
Support range	1.6 kg to 3.8 kg per arm
Adjustment type	Thumb wheel
Disengagement type	Passive (arms along the body)
Vertical amplitude	60° to 180°
Horizontal amplitude	-90° to +90°
Textile composition	
44% Polyester – 38% Polyamide – 12% Recycled Polyester – Elastane – Polyurethane.	
Dimensions	
Length	40 cm
Length (when flat)	69 cm
Width	25 cm
Height*	89 cm
* The height is measured with the arms unfolded and the telescopic tubes adjusted to the longest setting.	
Mass	
1.7 kg	
Noise emissions	
0 dB	
Exoskeleton size	
One size	

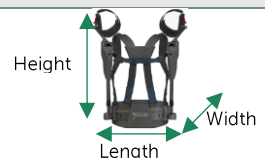


Table 6: Technical data

HAPO CS

IV. Compliance & Safety

IV.1 Staff type

User	Staff using the exoskeleton
Point of contact	Staff with in-depth knowledge of certain tasks involving the product

Table 7: Staff type



It is important to comply with the staff type required for the various tasks; failure to do so may put people in danger.

IV.2 Staff qualifications

This equipment is intended to be used by a person trained to install and use the exoskeleton and its components.

IV.3 Intended use

The HAPO UP is intended for use by a single adult user. The user must receive the instructions for use and safety instructions from their point of contact in order to use the product. The product should only be used for professional purposes. Using HAPO UP does not exempt the user from complying with standard NF X35-109 regarding manual load handling. Nor does using the exoskeleton exempt the user from wearing PPE.

> Operation

HAPO UP consists of a textile belt/harness, two articulated masts (one for each arm) comprising a passive assistance solution (spring blade made of composite material housed in the mast joint at the shoulder), and two textile interfaces in which the worker's arms are placed. HAPO UP is a passive assistance exoskeleton for upper limbs that redirects some of the arms' weight to the hips. The assistance provided can be adjusted according to the task, the user's body shape, etc.

> Usage and storage environment

The exoskeleton must be used in an open and uncluttered area in order to avoid any impact that may damage the product and to limit the risk of collision.

Temperature range for storage	-10°C to +40°C – Dry environment
Temperature range for operation	-10°C to +40°C
Not allowed	Explosive atmospheres (ATEX), chemical splashes and exposure to abrasive elements.

Table 8: Normal operating environment conditions

> Body areas covered

Name	Range covered (in cm)
Shoulder – hip length	39 cm – 57 cm
Hip/waist circumference	66 cm – 150 cm
Arm circumference	28 cm – 40 cm

Table 9: Ranges covered by the different textile parts

HAPO CS

> [Duration of use](#)

We recommend that the duration of use be implemented gradually until the user is completely accustomed to the exoskeleton. This duration is therefore to be defined on a case-by-case basis. To date, there is no daily duration recommended by the INRS nor by the X35-800 standard (published in 2023) in the sense that this criterion must be established at the discretion of the user company depending on the PAD model and, in particular, the task that is being carried out (intensity, frequency, etc.).

> [Product lifespan](#)

Duration	HAPO UP wearing time
5 years*	Maximum 8h/day
* This length of time is based on the product being used in accordance with its intended use and maintenance instructions (cleaning, replacement of parts due to wear and tear, etc.).	

Table 10: HAPO UP duration of use

The product's design, manufacture and instructions for correct use have been determined on the basis of the expected duration of use. These instructions include use of the product in accordance with its intended purpose and maintenance instructions.

V. [Types of use](#)

The HAPO UP is used when working with raised arms, for example:

- Arms above shoulders and overhead, with or without tools
- The handling of light loads, with shoulders bending along the vertical plane.

[V.1 Precautions for use](#)

- The HAPO UP should only be used by trained users.
- The level of assistance provided by the HAPO UP must be the same for both articulated arms.
- Any foreign matter (liquid or solid) should be cleaned from the HAPO UP after use.
- It is recommended that the HAPO UP be used in an open and uncluttered area to avoid any risk of collision with other components of the working environment.
- It is recommended that the HAPO UP be removed if the user experiences any product-related pain.
- It is recommended that the HAPO UP be transported in a suitable protective cover.
- People with cardiac implants are prohibited from using the HAPO UP.
- Using the HAPO UP while pregnant is not permitted.
- People with conditions in the arms and/or shoulders are prohibited from using the HAPO UP without first receiving a favourable medical opinion.
- The use of HAPO UP is prohibited in situations involving a fall risk (e.g. climbing a ladder).
- The use the HAPO UP is prohibited while handling sharp and cutting tools without first obtaining approval from a safety officer.
- Making changes to the HAPO UP is prohibited without the written permission of the manufacturer.
- Using the HAPO UP without making sure that all fasteners are tightly closed and that all straps are well positioned in the spaces provided is prohibited.
- Twisting the arms of the HAPO UP by hand is not permitted.
- Holding the HAPO UP near a heat source is not permitted.
- The HAPO UP should not be used in direct contact with the skin.
- The user should not be suspended while wearing the HAPO UP.
- Using a HAPO FRONT module at the same time as a HAPO UP module without prior approval from a safety officer is not permitted.
- The HAPO UP does not exempt the user from wearing personal protective equipment (PPE).
- Use of the HAPO UP must comply with the national standards in force.

HAPO CS



All uses not listed in the package leaflet as compliant are considered to be non-compliant.

V.2 Contraindications

	Do not use the HAPO UP if you wear an implanted pacemaker, cardiac pacemaker or defibrillator. Users wearing such devices should keep sufficient distance from the magnets. The recommended distance is 10 cm. Users should be warned before they approach the magnets.
	Do not use the HAPO UP while pregnant.
	If you suffer from conditions relating to your arms or shoulders, medical advice is required before using the HAPO UP.
	The HAPO UP does not exempt the user from wearing PPE.

Table 11: Signage information



V.3 Residual risks

Despite the prevention measures put in place throughout the product's design and evaluation stages, residual risks remain, for example in the event of:

- Proximity to a significant heat source (flames): the textile would melt and degrade,
- Incorrect adjustment of the HAPO UP device.

V.4 Incidents

> A component breaks

- Remove the product and stop using it,
- Contact your agency or distributor.

> Impacts from the surrounding area

- Remove the product,
- For plastic parts: Check that there are no visible cracks on these components. If this is the case, do not use the HAPO UP again before contacting your agency or distributor,
- If in doubt about any of the parts, contact your agency or distributor.



In the event of any potential risk, remove the HAPO UP.

VI. Operating procedure

VI.1 Unpacking and assembly

- Check the outer appearance of the box before opening. If any damage is found before opening, take a photo of the package.
 - Open the box and check that the delivery is complete.
- If damage is confirmed upon opening, contact your branch or distributor.



To avoid any breakage during transport, the product arrives disassembled. Please follow the instructions below in order to assemble it correctly.

HAPO CS

1. Locate the different parts (Belt frame/belt and textile straps/right UP module/left UP module).



Figure 5

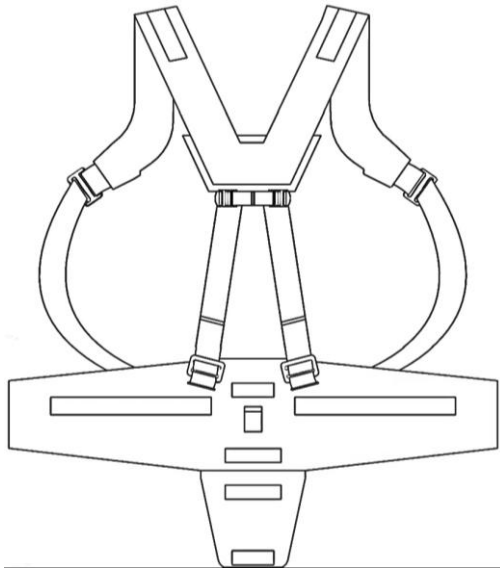


Figure 6

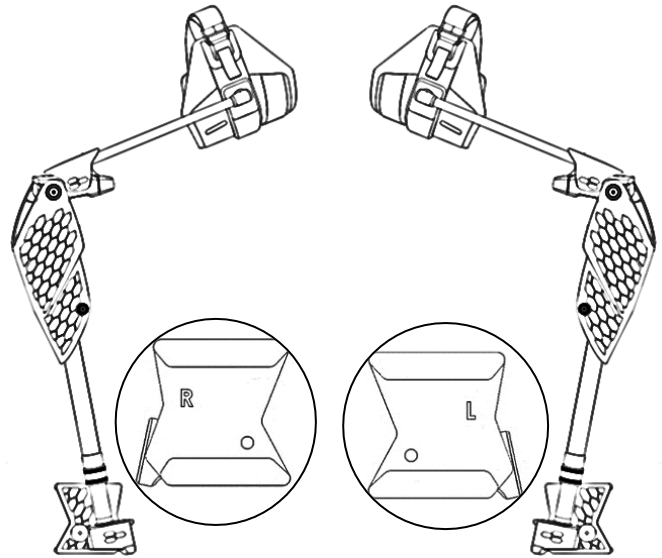


Figure 7

Figure 8

2. Position the frame (Figure 5) on the belt and textile straps (Figure 6) by matching up the hook-and-loop fasteners. Do not close the hook-and-loop fastener in the centre of the frame straightaway.

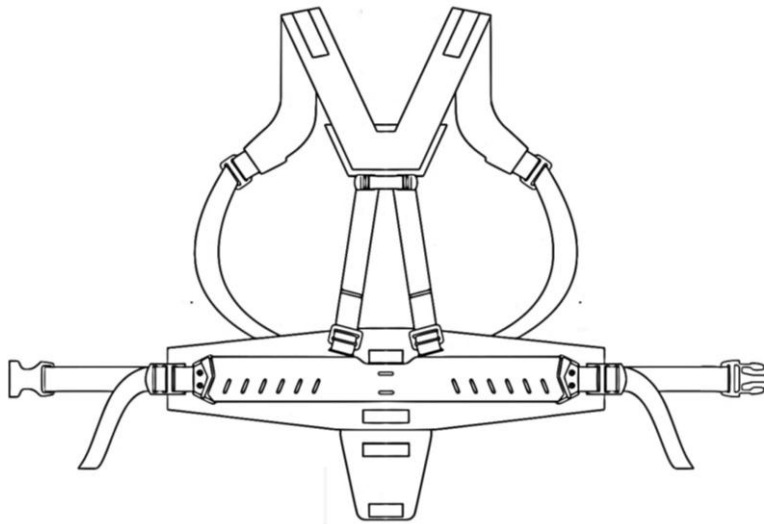


Figure 9

3. Position the UP modules (Figure 7 and Figure 8) in the **centre of the frame**.
4. **Pull** on the indexing plunger and **slide** the module along the frame towards the correct side ("R" for right and "L" for left).

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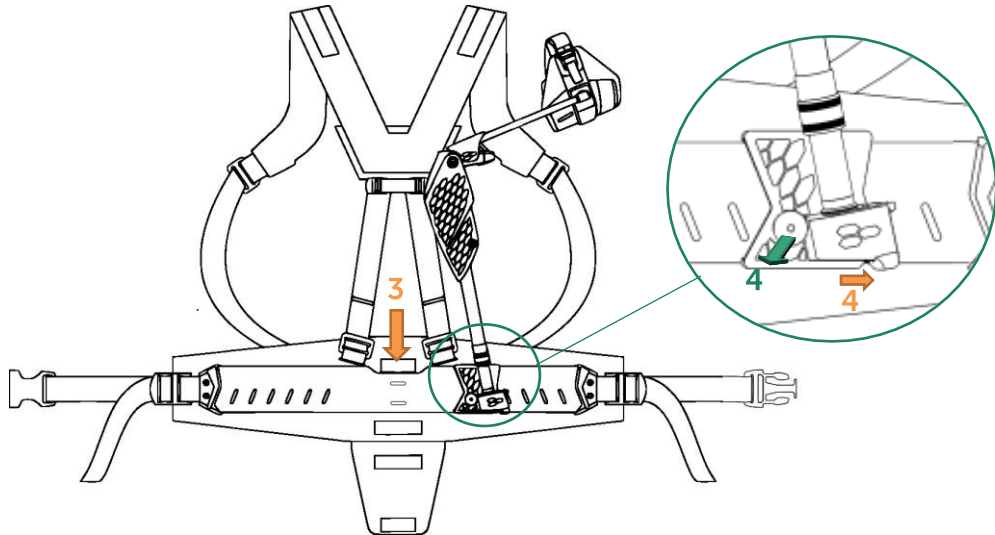


Figure 10

5. **Pass** the rappel straps attached to the modules through the loops on the back of the shoulder straps.

6: **Close** the hook-and-loop fastener in the centre of the frame.

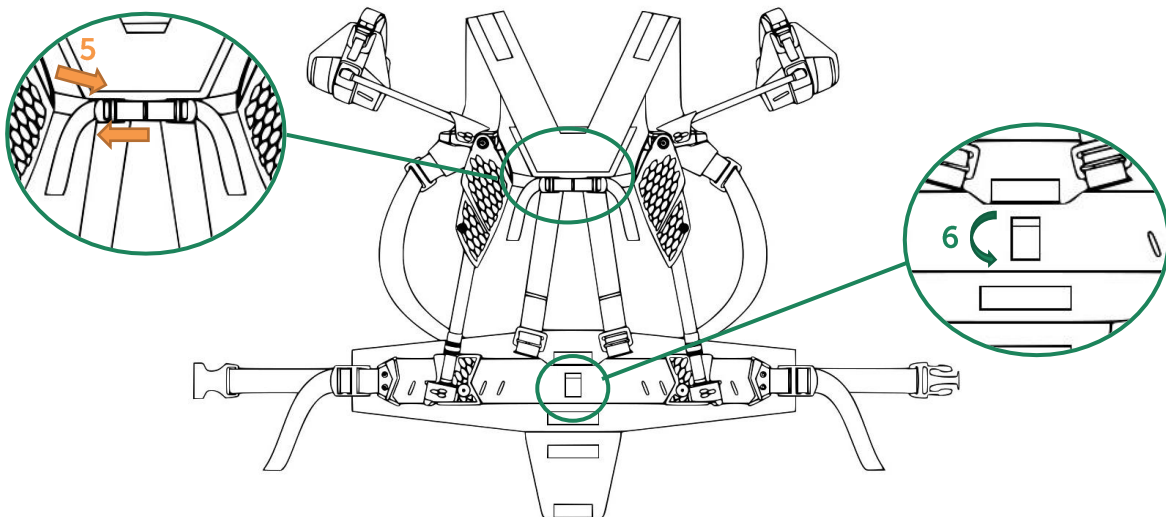


Figure 11

HAPO CS

VI.2 Installing and adjusting the HAPO UP



Before installing the device, make sure that the magnetic interface straps are fixed to the hip support. Open the waist and chest straps.

> Fitting the shoulder straps

1. Put on the HAPO UP using the straps, like a backpack.

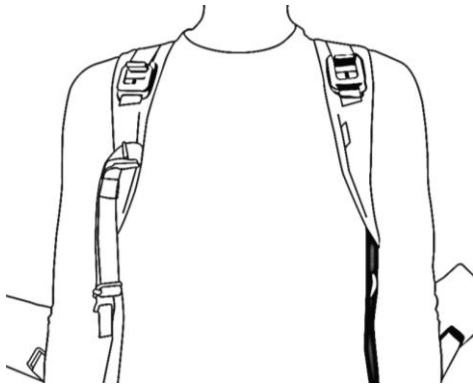


Figure 12

2 Fasten the chest strap and **adjust it**.

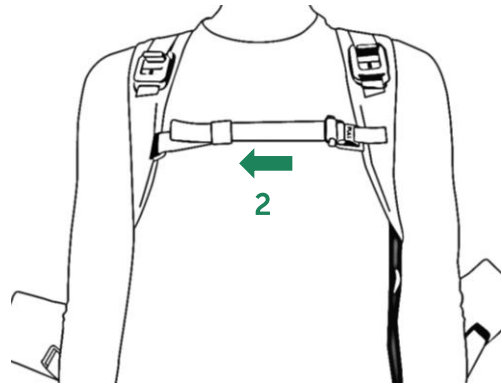


Figure 13

HAPO CS

> [Fitting the belt](#)

3. Position the belt at the hips, **bringing** the rear of the belt into contact with your back.
4. Take the waist strap and **tighten it** by pulling on the adjustment straps.
5. **Place** the surplus strap length in the elastic loop.

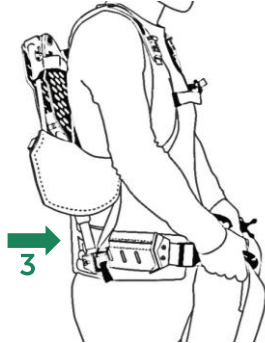


Figure 14

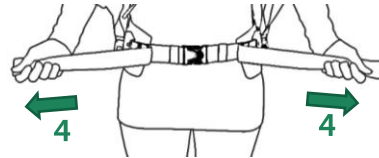


Figure 15

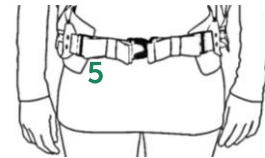


Figure 16

> [Positioning the interfaces](#)



Handle carefully: Hold the articulated arm firmly until the interface is attached.

6. **Undo** the magnetic clip.
7. **Position** the arm in the interface and **raise it upwards** alongside the interface.
8. **Close** the magnetic clip and **tighten** the hook-and-loop strap.

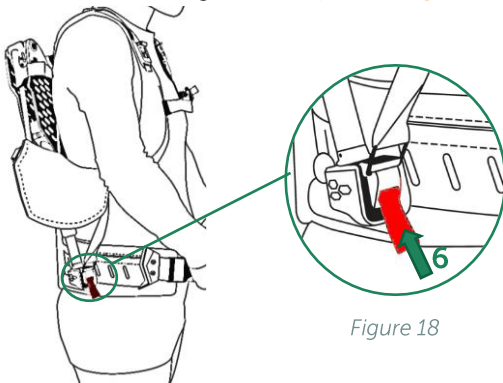


Figure 17

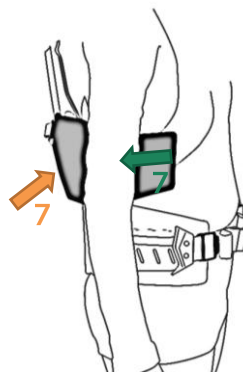


Figure 19

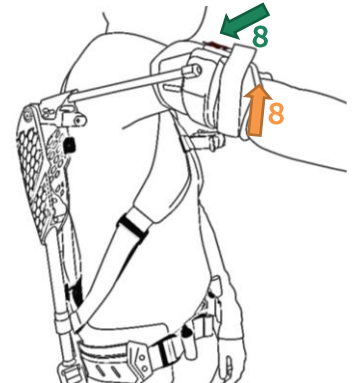


Figure 20

> [Adjusting the length of the arm strap \(if necessary\)](#)

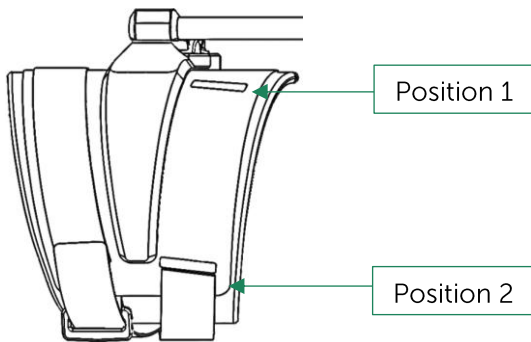


Figure 21



When positioning the HAPO UP interfaces, if the interface straps are too long for the user's body shape, the position of the strap attachment must be amended.

Arm circumference covered	
Position 1	28 cm – 34 cm
Position 2	34 cm – 40 cm

Table 12: Arm circumference covered according to the position of the interface strap.

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> [Adjusting the length of the shoulder strap \(if necessary\)](#)



It is advisable to have someone else help adjust the rear straps. It is also possible to adjust them yourself provided that the exoskeleton is removed beforehand.

10. **Tighten** or **loosen** the length of the straps on the back.

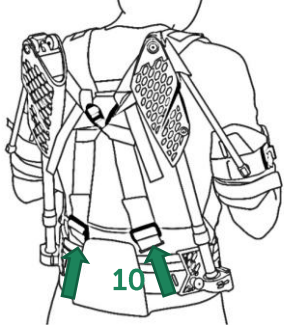


Figure 22: Before adjusting



Figure 23: After adjusting

> [Adjusting the arm positions \(if necessary\)](#)



If the "hip support" component is located too far towards the back of the belt, this may become uncomfortable during use.

11. **Pull** on the indexing plunger and **slide** the hip support behind the greater trochanter - shoulder axis in order to avoid any collision between the exoskeleton and the arm at rest. Make sure the plunger is properly indexed before using the exoskeleton.

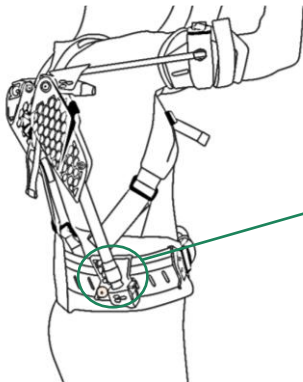


Figure 24

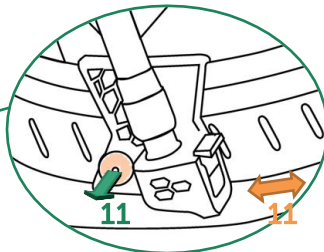
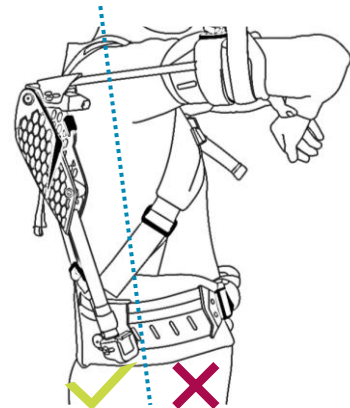


Figure 25



Greater trochanter - shoulder

Figure 26

HAPO CS

> [Adjusting the arm height \(if necessary\)](#)



It is advisable to have someone else help adjust the arm height. It is also possible to adjust it yourself provided that the exoskeleton is removed beforehand.

12. **Unscrew** the clamping ring.

13. **Slide** the tube until **the arm and boom are at 90°** to the greater trochanter – shoulder axis. Then **tighten** the clamping ring.

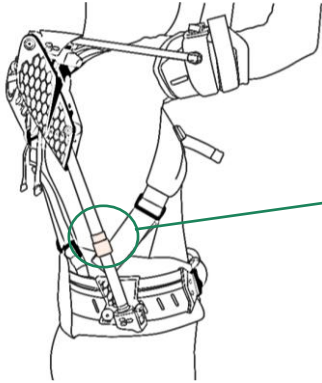


Figure 27

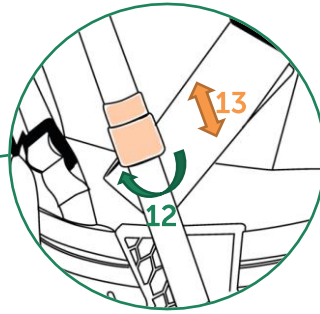


Figure 28

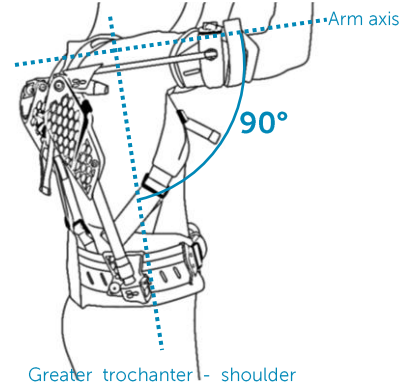


Figure 29

> [Adjusting the rappel straps](#)



It is advisable to have someone else help adjust the rappel straps. It is also possible to adjust them yourself provided that the exoskeleton is removed beforehand.

14. **Tighten** or loosen the rappel straps located on the back.

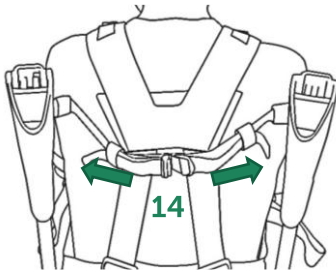


Figure 30



Figure 31

HAPO CS

> Adjusting the arm strength



The arm strength can be adjusted by yourself or another person. Do not lower the arm during adjustment, as there is a risk of injury (pinching).
The assistance provided must be identical on both sides of the exoskeleton.

15: **Turn** the thumb wheel at the mast to increase or decrease the mast strength. Refer to Table 13 for position – support equivalence.

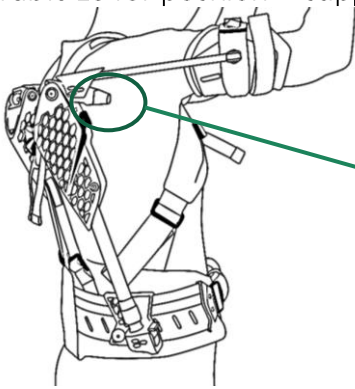


Figure 32

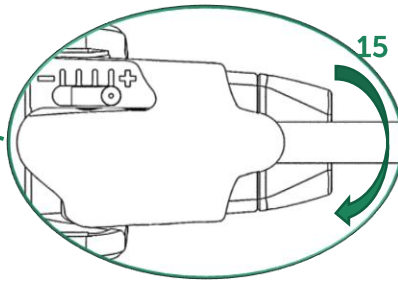


Figure 33

Position	Assistance	
	(in kg)	(in N.m)
Level 1	1.6	4.0
Level 2	2.2	5.5
Level 3	2.8	7.0
Level 4	3.8	9.5

Table 13: Arm support (in kg) according to the position of the slider

VI.3 Removing the HAPO UP

> Removing the interfaces

1. **Undo** the magnetic clips.
2. **Guide** the interface downwards with the arm so that the exoskeleton is disengaged.
3. **Hook** the magnetic clip to its base.
4. Do the same for the other side.

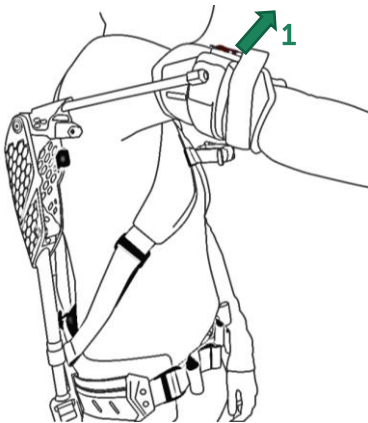


Figure 34

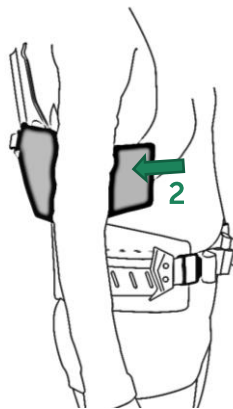


Figure 35

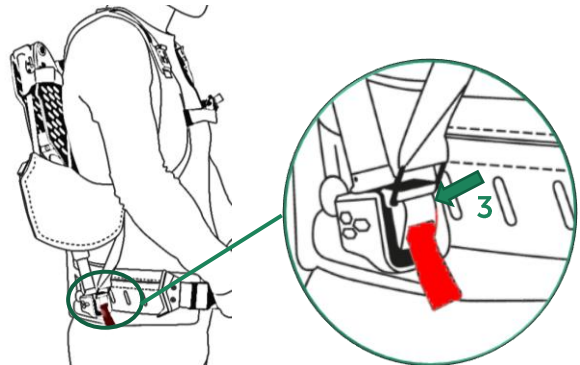


Figure 37

HAPO CS

> [Releasing the various clips](#)

5. **Unfasten** the chest strap and then the belt strap.

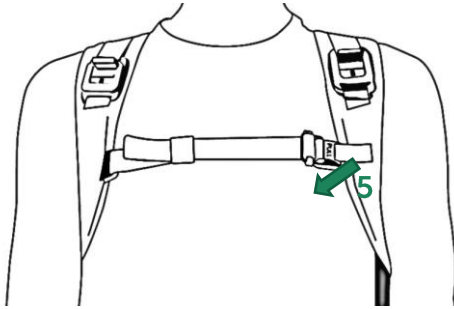


Figure 38

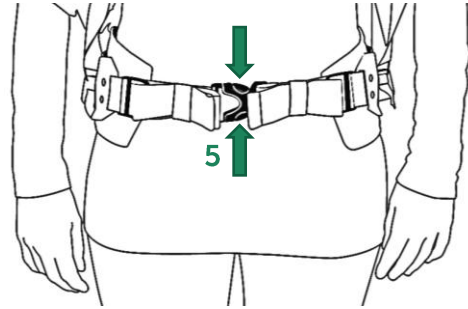


Figure 39

VII. **HAPO UP - HAPO FRONT interchangeability**

The HAPO UP and HAPO FRONT belt and shoulder straps are compatible. In fact, the UP module and the FRONT module are interchangeable. A flat surface is advised when changing the modules. This change is easier when there is no textile (see paragraph IX.2).



Using the module of each exoskeleton simultaneously is prohibited without first obtaining approval from a safety officer.

> [Switching from the UP module to the FRONT module](#)

1. **Unfasten** the rappel straps from the shoulder straps.
2. **Remove** the hook-and-loop fasteners from the belt to make it easier to switch the modules.
3. **Pull** on the indexing plunger and **slide** the hip support to the centre of the frame; remove the module.

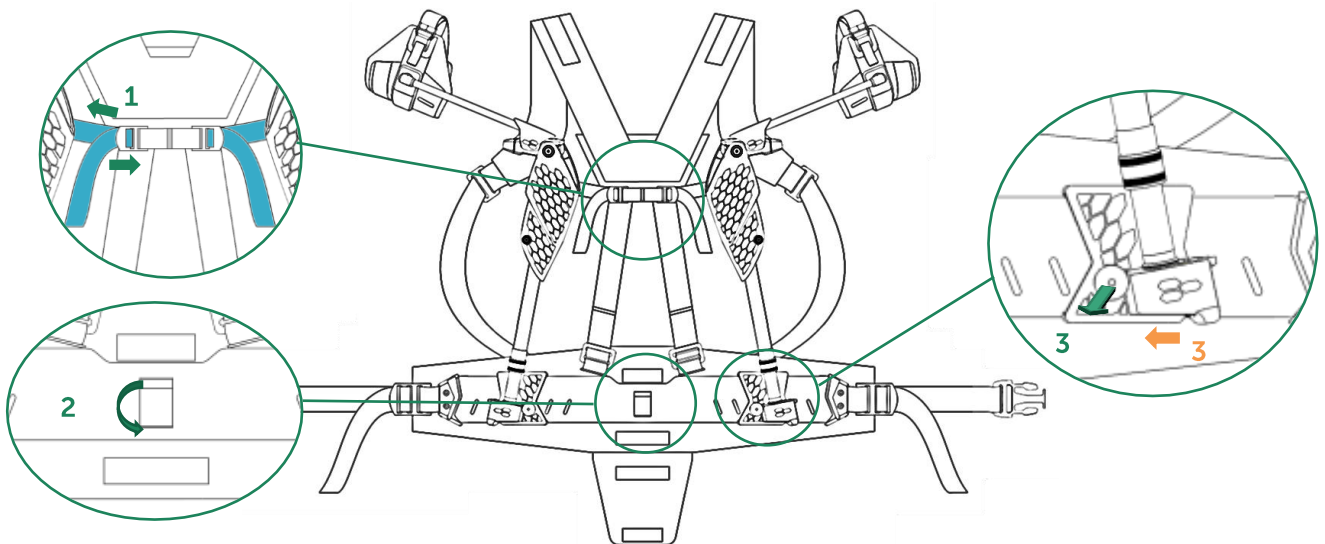


Figure 40

HAPO CS

4. Insert the FRONT HAPO module through the centre of the frame. Be sure to put the modules on the correct side, left ("L") and right ("R").
5. **Slide** the hip support to the desired position **by pulling** on the indexing plunger. The plunger must be well indexed.
6. **Close** the hook-and-loop fasteners in the centre of the frame.
7. **Hook** the magnetic clips to the shoulders.

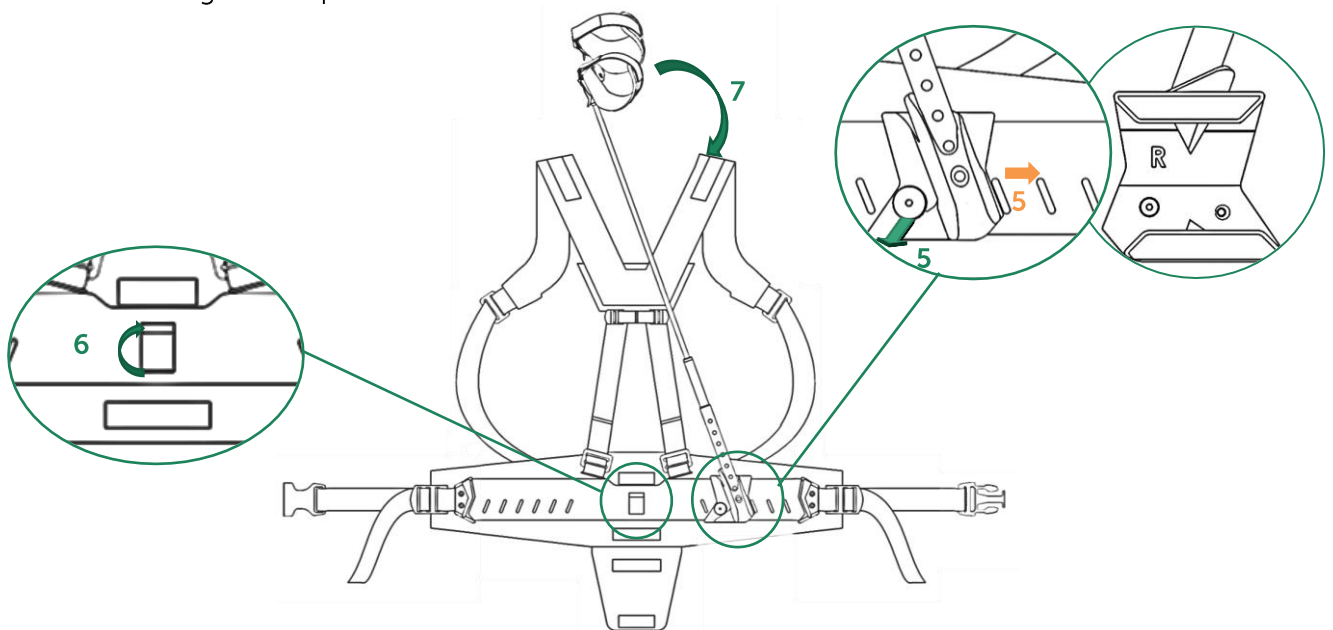


Figure 41

To adjust the arms of the HAPO FRONT, please refer to the instruction manual or the video.

VIII. Transport and storage

These instructions ensure that transport, handling and storage operations are carried out safely. When transporting the product, a suitable carrying case is recommended.

The product should be stored indoors, in a dry place. Do not leave the HAPO UP in a place that is wet and suffers from significant temperature variations.



Improper storage could damage the spring blades, leading to premature breakage.
Improper storage could weaken non-textile parts, leading to wear and tear.

IX. Maintenance

IX.1 Textile cleaning and care

The textile parts of the HAPO UP are hand and machine washable. The disassembly method described in paragraph IX.2 must be followed before cleaning. Only the textile parts can withstand machine washing. The warranty excludes any deterioration of the HAPO UP due to poor maintenance.

Machine washable at 140°F , low spin (600 rpm)
Hand washing allowed
Do not use bleaching agent
Do not iron
Cleaning agent with solvent prohibited

HAPO CS

Tumble dry at 40°C

Table 14: Cleaning and maintenance



Do not use detergent powder or any product containing fabric softeners, conditioners, stain removers or bleach. This will affect the textile's effectiveness.

IX.2 Disassembly and reassembly for textile cleaning

In order to easily disassemble your HAPO UP, it is recommended that the device be placed on a large, flat and unobstructed surface.

> Removing the textile belt and shoulder straps

1. **Open** the flap.
2. **Unfasten** the hook-and-loop fasteners in the centre of the frame.
3. **Unfasten** the frame to remove it.

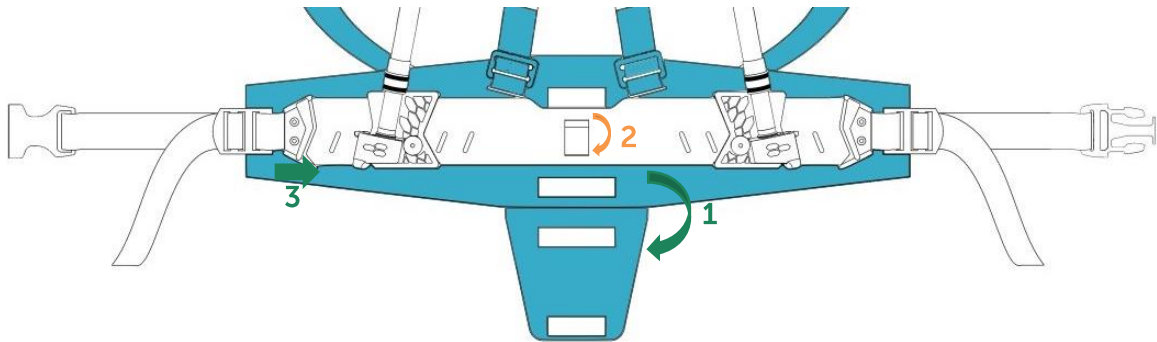


Figure 42

> Removing the rappel straps

4. **Slide** the rappel straps away from the loops.

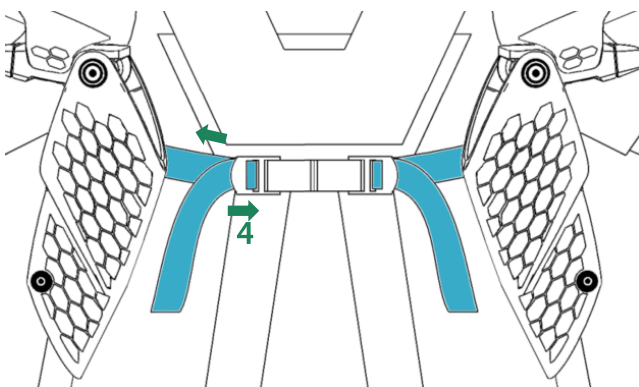


Figure 43

> Removing the interfaces

5. **Pull** on the textile pads of the interfaces.

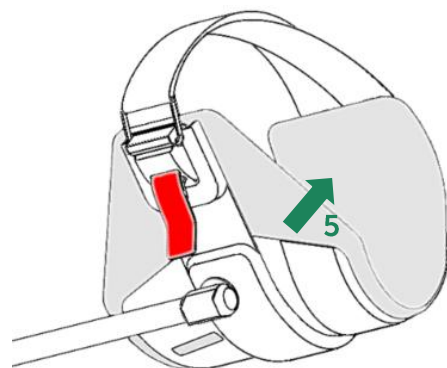


Figure 44

To reassemble the exoskeleton, simply perform the instructions in reverse.

IX.3 Cleaning the plastic components

The following table gives an indication of the chemical resistance of HAPO UP plastic components to the solvents found in common cleaning products. These solvents can be used to clean the various plastic components of the exoskeleton.



HAPO CS

Using solvents different to those listed in the table may cause the plastic components to degrade.

		Composition			
		ONYX	PA12	HDPE	CARBON / EPOXY
Solvents	Water + pH neutral soap	A	A	A	A
	Acetone	A	A	A	B
	Acetaldehyde	A	A	A	A
	Ammonium chloride	A	A	A	n/a
	Borax (boric acid)	A	n/a	A	A
	Glycerine	A	A	A	A
	Formaldehyde	B	C	A	n/a
	Isopropyl alcohol	B	A	A	A
A: Very good resistance B: Good resistance C: Limited resistance n/a: no data					

Table 15: Possible solvents for cleaning the plastic components



If a degraded component is observed during cleaning (swelling, discoloration, cracking, etc.), immediately stop cleaning and change the component. Moist product areas should be dried quickly.

IX.4 General maintenance



How often the device needs to be checked and maintained depends on the degree of actual use. It is possible that the product will be subjected to significant stress; in this case, the intervals between maintenance should be reduced according to the expected stresses.

		Daily	Weekly	Monthly	Yearly
Belt	Textile	Visual check: tears, excessive fraying that may interfere with the use of the product.	Wash according to recommendations (cf		
			low spin (600 rpm)		
			rohibited		
			Table 14).		

HAPO CS

	Clip	Visual check of condition.		Check for proper interlocking.	
	Frame	Visual check of condition.	Wash with permitted solvent (cf Table 15) if liquid or solid substances are present on the component.		Check the torque of the screws. Tightening torque of M4 screw: 0.9 N.m
Straps	Textile	Visual check: tears, excessive fraying that may interfere with the use of the product.	Wash according to recommendations (cf		
			low spin (600 rpm)		
			rohibited		
			Table 14).		
	Magnetic clip	Visual check of condition (metallic debris).		Check for proper interlocking. Clean any metallic debris with a dry cloth.	
Articulated arm	Spring blade				Check screw torque: - Tightening torque of M4 screw: 0.9 N.m
	Plastic components	Visual inspection (cracks)	Wash with permitted solvent (cf Table 15) if liquid or solid substances are present on the component.		Check screw torque: - Tightening torque of M4 boom screw: 0.9 N.m - Tightening torque of M3 thumb wheel screw: 0.9 N.m
	Hip support	3D impression: Visual inspection (cracks) Magnetic clip: Visual inspection (metallic debris).		Indexing plunger: Check the sliding mechanism. Check the elastic seal for wear.	Check screw torque. Tightening torque of M6 screw: 0.9 N.m
	Masts	Visual inspection (cracks).			Check screw torque: - Tightening torque of M6 screw: 1.2 N.m (at the top of the mast) - Tightening torque of M4 screw: 0.9 N.m (at the bottom of the mast)

HAPO CS

	Interface link	Visual check.		Check for wear.	Check screw torque: - Tightening torque of M6 screw: 1.2 N.m
	Telescopic tube		Wash with permitted solvent (cf Table 15) if liquid or solid substances are present on the component.	Check that the clamping ring is not loose.	Check that the telescopic tube slides efficiently. Screw torque checks: - Tightening torque of M4 screw: 1.2 N.m
Interface	Textile	Visual check: tears, excessive fraying that may interfere with the use of the product.	Wash according to recommendations (cf		Replace interface pads if visual check not approved.
			low spin (600 rpm)		
			rohibited		
			Table 14).		
	Clip	Magnetic clip: Visual inspection (metallic debris).		Check for proper interlocking. Clean any metallic debris with a dry cloth.	
	Plastic compone		Wash with permitted solvent (cf Table 15) if liquid or solid substances are present on the component.		
	Interface support	Visual inspection (cracks in 3D components).	Wash with permitted solvent (cf Table 15) if liquid or solid substances are present on the component.		
	Interface frame		Wash with permitted solvent (cf Table 15) if liquid or solid substances are present on the component.		
	Screws and				Check screw torque: - Tightening torque of M3 screw: 0.6 N.m

Table 16: Maintenance table

HAPO CS

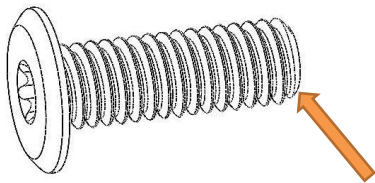


Figure 45

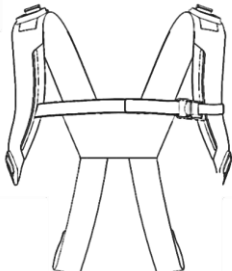
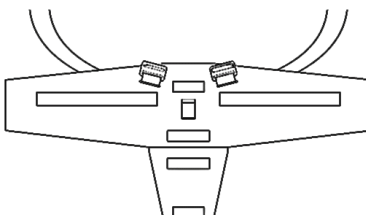
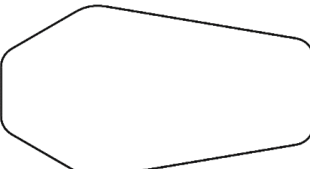
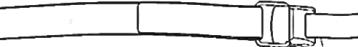
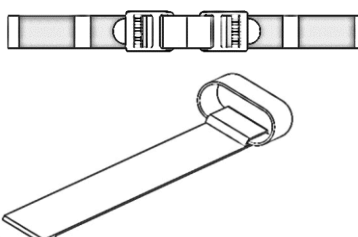
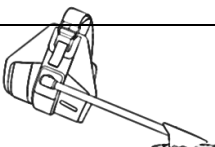


The use of medium-thread brakes (ref.: LOCTITE® 243) is mandatory for belt fasteners that have been disassembled. The arrow indicates where the threadlocker should be placed. Simply apply a drop of threadlocker.



For some star-head screws, TORX parts will be needed.

IX.5 Spare parts and accessories

Types	Reference	Parts	Hapo
Textiles	KITUF003	HAPO UP FRONT BRACES+CHEST STRAP KIT 	Hapo UP / Front
	KITUF001	HAPO FRONT and HAPO UP BELT KIT 	Hapo UP / Front
	KITUP002	Hapo UP textile pads kit 	Hapo UP
	KITUF004	HAPO UP FRONT CHEST STRAP KIT 	Hapo UP / Front
	KITUP001	Hapo UP interface strap kit 	Hapo UP
	KITUP003	Hapo UP abseiling strap kit 	Hapo UP
Springs	KITUP004	Hapo Up module kit 	Hapo UP / Front

HAPO CS

	KITUF005	Module Kit Hapo Front Yellow	Hapo UP / Front
			
	KITUF007	Module Kit Hapo Front Blue	Hapo UP / Front
			
Accessories	KITFR009	Sternum Buckle Kit	Hapo UP / Front
	KITUF006	Red buckle kit	Hapo UP / Front
	HDTH2	HAPO carrying case	Hapo UP / Front

Table 17: HAPO FRONT spare parts and accessories



To change the textiles, refer to section IX.2 Disassembly and reassembly for textile cleaning.

X. Commercial warranty

The HAPO UP guarantee is for 2 years from the warranty declaration or shipment of the product at the manufacturer's address. After purchasing the HAPO UP, please go to the following address and complete the form: <https://www.hapo.eu/en/content/63-warranty-statement>

HAPO CS

XI. Recycling

To protect the planet and limit waste production, ErgoSanté offers to recover and recycle your exoskeletons at the end of their life. Each part is carefully sorted by material, then deposited in the appropriate skips or crushed in-house to encourage reuse.

XII. Disposal

You will need to comply with your country's recycling regulations when disposing of the device.

XIII. Legal information

The HAPO UP is CE marked according to Directive 2006/42/EC for sales in Europe. The legal conditions are subject to the national legislation in force in the country of use.

XIV. Liability

The manufacturer is only liable if the product is used in accordance with the descriptions and instructions contained in this document. The manufacturer will accept no liability for damage resulting from non-compliance with this instruction manual.

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