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User Manual
Allfa Europe Legend

English: Instructions for use. **Allfa Europe Legend**



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Warnings and precautions

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In the event of serious incidents and/or accidents that can be linked to the Allfa Europé Legend, report them to: Ferno Norden AB 0520-420200 / fab@fernonorden.com

Identification: The Allfa Europé Legend is a Class I medical device according to the MDR. The UDI-DI information is located behind the backrest, and the serial number under the crossbar below the backrest.

- **Only trained personnel may handle the stretcher**
- **Check regularly that the stretcher is undamaged and fully functional**
- **Recommended service life is 5 years with service/maintenance as instructed.**
- **Warranty 1 year (does not apply to wear parts such as wheels and brake pads)**

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Product description

Intended use

The Allfa Europe Legend is an ambulance stretcher intended for the safe transport of seated and recumbent patients in adapted vehicles.
The Allfa Europe Legend also has functions intended to facilitate work in various conditions: shock position, knee-bend position (cardiac position), and a head section that can be set in different positions.
The stretcher must be handled by trained personnel at all times; ergonomic handling training is required before loading/unloading patients and carrying the stretcher.
The maximum load of the stretcher is 300 kg. If this situation arises with a heavy patient, loading must be carried out by several staff members in accordance with local guidelines on the working environment/load handling. We recommend having a written plan specifying which operations may be carried out at a given weight limit and when these operations must not be carried out.
The Allfa Europe Legend has several ergonomic aids, such as carrying harnesses, a shoulder yoke, etc. This is no guarantee that overloading of personnel cannot occur.
The Allfa Europe Legend can be loaded into and out of vehicles with an electrohydraulic stretcher slide: Allfa Easyload, a unit consisting of controls, pump, electric motor and cylinders. Alternatively, a manual stretcher slide can be used in combination with the Allfa Europe Legend safety lock fitted to it.
The Allfa Europe Legend is tested and approved as a Class I medical device according to MDD/MDR.
Applicable standards and regulations (SS-EN 1865, SS-EN 1789, TSFS 2010:2)

Mechanics

All functions of the stretcher are operated manually; gas springs provide functional support.

Technical data

Length	1900 mm in flat position and 1350 mm in chair position
Width	550 mm
Height	200 mm in flat position and 1290 mm in chair position
Max load capacity	300 kg
Weight	31 kg
Total weight	40 kg (incl. mattress, straps, Easylift, pockets and all-terrain wheels)
CE	Medical device Class I

Installation of the Allfa Europe Legend

Installation on a stretcher slide must be done by professionals competent to calculate correct strength according to applicable rules and requirements.

For the Allfa Europe Legend to be used in vehicles, all attachment points of the locks must be dimensioned for the forces that occur.
Applicable references: SS-EN 1789, TSFS 2010:2

Current locking systems / stretcher slides from Ferno Norden

- Allfa Easyload complete electric slide for Allfa Legend: ALE112000
- Allfa mount 20G for installation on a stretcher slide: ALE112007
- Folding stretcher rail incl. lock, complete 20G: AL151520

There are several other systems on the market, made by other manufacturers, e.g. for taxi and air transport.

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User Manual

NOTE! Important safety information:

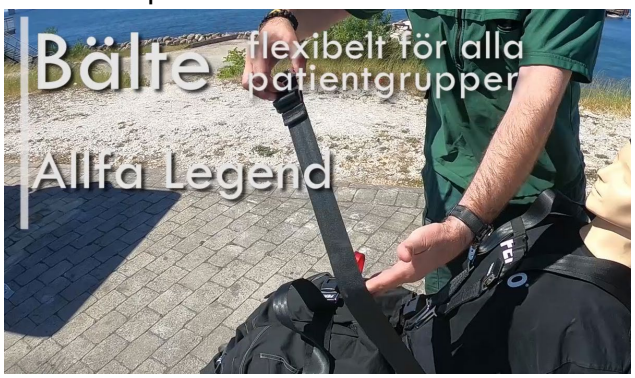
- **Never leave the stretcher unattended with a patient on board!**
- **The patient must always be secured with all safety straps!**
- **Personnel handling the stretcher must have completed training!**
- **The stretcher has functions that may involve a risk of pinching if handled incorrectly!**

Lifting and moving a stretcher requires good physical fitness and ongoing ergonomics training. Back and neck problems are well documented among staff in professions with these tasks. Correct ergonomic technique, use of aids and regular handling training are vital to reduce these problems.

Four-point harness – Thigh strap – Leg strap

The shoulder straps and waist straps are extra long to accommodate large patients. Normally the full length of the strap is not needed; instead it lies “doubled”, secured with a clip at the outer edge. This means that you adjust the strap using the loops that are formed. Practise this until you are comfortable with the technique. There is also a “figure of eight” that holds the shoulder straps

together behind the neck, as well as a chest buckle at the front; these two are intended for small and slender patients.





Brakes

The Allfa Europe Legend has brakes on the wheels mounted on the support leg!





Headrest

The Allfa Europe Legend is equipped with an adjustable headrest that can be adjusted either for a medical purpose or for increased patient comfort.





Stepless backrest

The backrest can be adjusted steplessly up and down by means of a gas spring operated with the hand control shown in the picture. Use both hands to achieve a smooth and controlled adjustment.





Stepless knee joint in the seat section

The seat section can be adjusted steplessly up and down for a flat or seated position. It is controlled by a gas spring regulated by the black control lever, accessible from both sides. Light finger pressure is enough to adjust it. Use the red loops on the thigh strap to pull up into the seated position.

NOTE: Pinch risk! Make sure the patient, your colleague and you have no fingers between the frame and the seat section during this operation





Shock position / Elevated position

The foot end can be released with two locking pins, raised and locked with a strut to obtain a shock position / elevated position. To lower the leg section again, lift the foot end so the strut releases and folds in, then lower the foot end and make sure the locking pins “click” into place and lock.

NOTE! Risk of pinching when the foot end is lowered







Armrest

The Allfa Europe Legend is equipped with adjustable armrests.
Adjust by lightly pulling out the knob while moving the control knob in the desired direction to raise or lower the armrest.

NOTE! Risk of pinching when the armrest is lowered.





All-terrain wheels

If needed, all-terrain wheels can be clicked onto the undercarriage or frame. They make the stretcher easier to manoeuvre and handle on uneven ground.
NOTE! The all-terrain wheels must be removed before loading onto a stretcher slide.





Swivel wheels

If required, the swivel wheels can be folded down to make the stretcher easier to manoeuvre. You can fold them down either with the handle on one side or by pressing inwards with your foot on the red plate on the other side. Next, lift the stretcher slightly so that the swivel wheels “click” into the locked position.
To fold the swivel wheels up, do the opposite: lift the stretcher slightly and fold the wheels up with the handle.

NOTE! The swivel wheels must be folded up before loading onto a stretcher slide





The shoulder yoke

The Allfa stretcher is equipped with a fold-out shoulder yoke. Trained personnel can use this aid to carry the stretcher in a coordinated manner over rough terrain or on stairs. It is important to practise this operation thoroughly, as it is a combined manoeuvre that requires cooperation

between two operators. This aid is highly appreciated, but it does not work in every situation, for every patient or for all personnel. The height of the personnel can have an effect, as can a height difference between the two operators, or if the patient is unable to sit up.

IT IS IMPORTANT THAT YOU HAVE PRACTISED THIS OPERATION



Easylift Shoulder

Easylift Shoulder is a carrying harness included with every Allfa Legend; see its separate instructions for use.





Undercarriage

The undercarriage must be in the lowered position when manoeuvring the stretcher and in the raised position on stretcher slides. You can use two techniques to fold the undercarriage: with your hands or with your foot.

To fold it up by hand, press the undercarriage down with one hand and release it with the red control by turning up the strut that locks the undercarriage.

NOTE: Pinch risk when folding in the undercarriage – keep fingers out of gaps.





To fold up the undercarriage, press it down with your foot, making sure that you also press the foot pedal that releases the lock, then follow the movement smoothly upwards with your foot.
To fold it down, press the whole undercarriage down without touching the foot pedal until the undercarriage clicks into place and locks.

NOTE! The undercarriage must lock with the struts on both sides. If only one side locks and the stretcher is loaded, the undercarriage will be bent and must be replaced!





Extra carrying handles

Extra carrying handles in the middle of the stretcher pull out easily when needed.





Loading the Allfa Legend onto a stretcher slide

Check that the carrying poles are correctly positioned: outer pole part fully pushed in, inner part fully extended (pole within pole). This gives the loading wheels and poles exactly the same position. Then move the stretcher straight back to the platform, patient's back towards it. Lightly lift the loading wheels inside the edge of the slide.





Load the stretcher with two operators, one on each side, lifting in a coordinated manner by the handles at the foot end of the stretcher.

NOTE! This operation is critical and the work must be synchronised. Unevenly extended poles, loading wheels outside the edge of the slide or an unsynchronised lift will cause the stretcher to tip over sideways!

Check that the patient is not at risk of being pinched or injured during the loading process.

Move the stretcher onto the slide so that the rear wheels are inside the edge. Make sure that the stretcher is fully pushed in and in the locked position. Push in the stretcher slide and check that the stretcher platform is correctly locked in position.



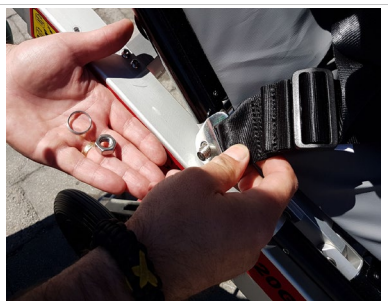


For solutions other than a stretcher slide, follow the instructions for use of that system.

Replacing the straps

The leg and thigh straps are “looped” onto the stretcher’s tubular frame
The 4-point harness is “looped” onto the shoulder section.
The waist strap is fitted by hand with a nut and key ring.
All straps must be washed regularly. If you machine wash them, use a mesh bag and something for padding.






The emergency mattress

The Allfa Europe Legend has an emergency mattress type-approved to SS EN-1865. It is removable and can be used for transfers, both from stretcher to bed and to drag/pull patients where the stretcher is not suitable. Most commonly, the Step by Step strap set and the emergency mattress are used to bring patients down stairs ergonomically. To remove the mattress quickly, unbuckle all straps. Pass the shoulder straps through the open area in the mattress as shown.




Pocket for sliding board

The Allfa Europe Legend has a fitted pocket designed for a sliding board. (Sliding board not included)




Pillow

The Allfa Europe Legend has a removable pillow for improved comfort and hygiene.




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Service and maintenance

Cleaning

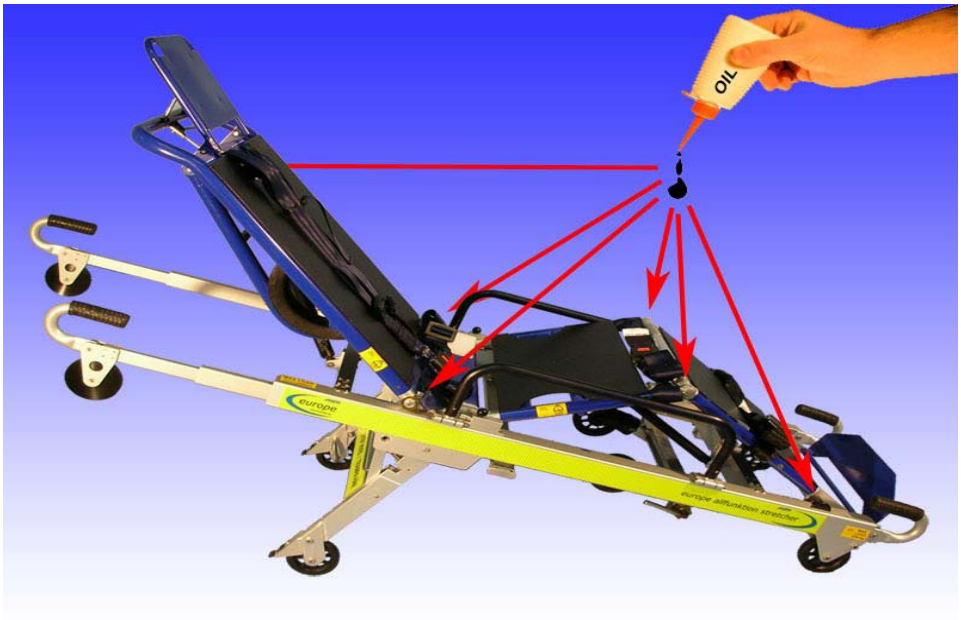
The exterior can be cleaned with normal cleaning agents intended for the purpose. When strongly alkaline cleaning agents are used, untreated aluminium parts may become discoloured and oxidise. Therefore, do not leave cleaning agent on the surfaces; rinse with softened water after washing.

The carrying poles must be cleaned regularly with T-röd (methylated spirit). **NOTE: The carrying poles must NEVER be lubricated.**



Lubrication

All moving parts must be lubricated in connection with service, after washing and as needed. Use a thin hobby/sewing machine oil.



Service

Service and inspections must be carried out systematically. The daily check is performed every day by all personnel

Periodic inspection and service are carried out by service-trained personnel. Contact us to attend an authorised service course on the Allfa Europe Legend

Daily check

1.	Check the brakes by applying them and making sure the wheels lock.
2.	Check the straps; look for any defects in seams and buckles.
3.	Check the stretcher structure: carry out an overall inspection of the stretcher, looking for cracks, visible damage and obvious faults.
4.	Check the function of the undercarriage. The undercarriage must lock distinctly on both sides in the lowered position and be easy to fold up when released with the foot pedal.
5.	Check the function of the carrying poles. They must slide in and out freely and lock under load. If the poles are sticking, you can easily try cleaning them yourself with spirit or petrol. **Never use lubricant on the carrying poles!**
6.	Check the carrying handles for any cracks and make sure that the handle has no play and does not move loosely. The handle should be stiff and stay in its position.
7.	Clean all handles and controls, as well as the straps, pillow and mattress.

Service (cont.)

Periodic inspection and service

How often is the stretcher used?	Inspection	Service

Station:	**Responsible:**		**Serial number:**	
Inspection point	**Inspection**	**Inspection**	**Inspection**	**Inspection**
Brakes x2				
Handle bolts x4				
Handle grips x4				
Disc springs x4				

Bakelite wheels x2				
Rubber wheels x4				
Locking points x8				
Gas spring, backrest x1				
Gas spring, leg section x1				
Gas springs, small x 3				
Carrying poles x 6				
Stop plate x 6				
Sleeve x 6				
Locking pins x 2				
Auxiliary wheel x1				
Undercarriage x1				
Shoulder yoke x 1				
Straps x 3				
Mattress x 1				
Service point	**Replaced**	**Replaced**	**Replaced**	**Replaced**
Handle grips x4				
Disc springs x4				
Bakelite wheels x2				
Rubber wheels x4				
Stop plate x 6				
Sleeve + spring				
Locking pins x 2				

Service (cont.)

We offer a ready-made service kit containing all the parts needed for a standard service.

Article number for a complete kit: ALE600, containing all parts below.

A tool set with special tools that make servicing easier has article number: AL112204

Product	Qty	Article number
Handle guard, rubber	4 pcs	ALE112292
Disc spring	8 pcs	AL112230
Bakelite wheel	2 pcs	AL112234
Rubber wheel PEK 100mm	4 pcs	AL112246
Stop plate	4 pcs	AL112242
Screw 3x8	8 pcs	AL112243
Stop plate	2 pcs	AL112244
Screw 3x5	6 pcs	AL112245
Spring L=25mm	2 pcs	AL112236
Sleeve	2 pcs	AL112237
Spring L=35.5mm	4 pcs	AL112237

Sleeve	4 pcs	AL112240
Locking pin	2 pcs	AL112255

Service training

Purpose: Practical review of repair and maintenance of the ALLFA stretcher.

Location: Lättmontage AB, Norrgatan 34, 615 32 Valdemarsvik, Sweden.

Time: By agreement.

Course instructors: Claes Falk & Ulf Svensson

Registration: Lättmontage AB Tel: 0123-102 19 Mobile: 070-511 42 38

Course programme – 1-day review.

9:00-9:30 Introduction, review of the stretcher's design and functions.

9:30-12:00 Division into groups, practical assembly of components

12:00-13:00 LUNCH

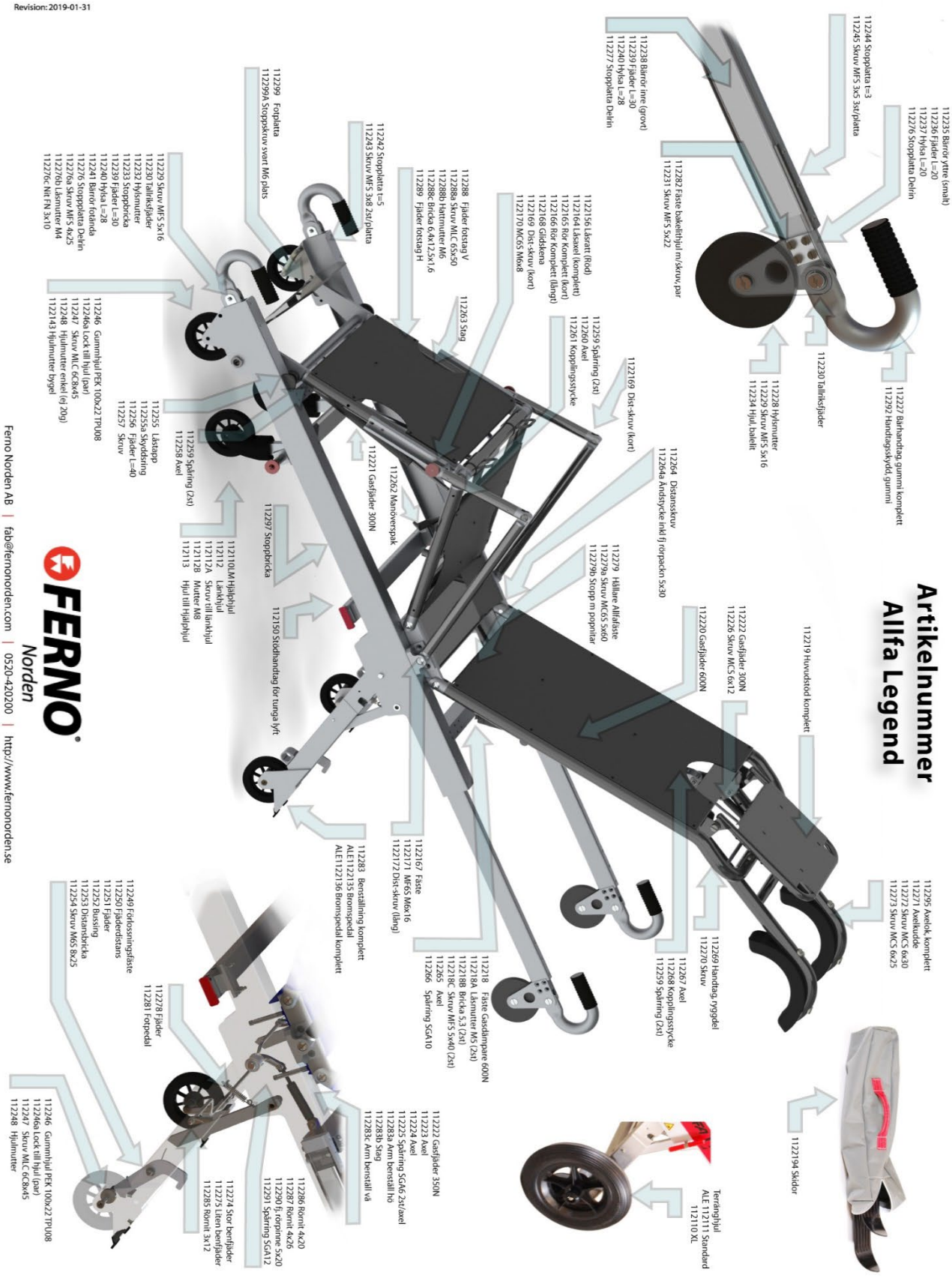
13:00-14:00 Continued assembly of components.

14:00-14:30 Review of spare parts handling.

14:30-15:00 Closing

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Exploded view Allfa Legend



EU Declaration of conformity:

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EU Declaration of conformity no.202101-001

Product Name:	Allfa Europé Legend / Allfa Europé
Intended use:	Ambulance stretcher for transporting patients.
SRN	SE-MF-000010302
Basic UDI-DI	735012811073501281100l7TS / 735012811073501281100l24TP
UDI-DI	07350128110017 / 07350128110024
Article number:	ALE112001 / ALE112005P
Manufacturer:	Ferno Norden AB Kardanvägen 37 SE-46138 Trollhättan Sweden Phone: +46- (0)520 420200 E-Mail: fab@fernonorden.com Web: www.fernonorden.se
Product class:	Class I according to rule 1 in Annex VIII in MDR 2017/745
Conformity Procedure:	Self-certification according to Annex IV in MDR 2017/745
Legislation / Directives:	-MDR 2017/745 -EN 1865 -EN 1789 (Dynamic crash test 10g) -TSFS 2010:2 (Dynamic crash test 20g)
Identification:	All products with serial number from: E4180L...

Declaration statement;
This EU declaration of conformity is issued under the sole responsibility of the manufacturer Ferno Norden AB. The devices covered by this declaration is in conformity with the requirements in the European Medical Device Regulation 2017/745.

Signed in Trollhättan, Sweden on behalf of Ferno Norden AB

Position: Managing Director
Name: Pierre Kördel
Date: 2021-07-19
Signature:

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Ferno Norden Sweden

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Accessories













Hygiene pocket	Small pocket under the pillow for disposable sheets and similar items
Snow skis	1 pair of skis in a bag, clicks quickly onto a pair of wheels. Ready for snow.
Step by Step strap set	New Step by Step that fits all mattresses, with several adjustment options
Sliding board	Classic sliding board 60x33 cm
Minitranz	Fully welded mini stretcher with a wider design
Kangoofix for newborns	Our safety harness for newborns 1.6-5 kg
Pedimate child harness	Our safety harness for children 4.5-18 kg
Easytrans ICU table 10G	An equipment table that can be attached to the Allfa stretcher, keeping equipment in place during transport
All-terrain wheels XL	Larger wheels for the Allfa Legend
Sidearm	Side armrest that facilitates e.g. cannulation and blood pressure measurement
Comfort mattress Legend	An extra-thick mattress for high comfort
Immobilisation pillow	Vacuum pillow for immobilisation, for the Allfa stretcher