



Relief for your personnel

Reliable aids for emergency rescue team

s-max
c-max U2
SDM7

www.aat-online.de



Ideen bewegen mehr

s-max
160 kg

Utila ALS 300



Transporting patients frequently involves stairs that must be overcome, for instance on the way to the doctor's office, whose building might not have an elevator or the patient must get down from his third floor apartment in the first place. Rescue teams of emergency services faces these obstacles every day. In this line of work slipped disks are not uncommon and in the long run this type of physical exposure may lead to permanent physical damage for such employees. In addition, the personnel may not be able to work for a longer period of time resulting in extra costs.



The patient can be driven directly into the ambulance over a ramp.

With the help of the stair climber s-max one person alone is able to transport a patient comfortably up- and downstairs. It does not matter whether you are inside or outside because the s-max can be used on virtually all types of stairs. There is no danger for them to be damaged.

During the ride in the ambulance the s-max with a maximum load of 160 kg (chair plus patient) can remain attached to the chair ALS 300 by the company Utila - approved by the motor and vehicle department of Rheinland according to DIN EN 1789:2007 (crash test). With all other chairs the stair climber must be stored in the vehicle apart from the chair in a separate compartment.

s-max
160 kg

Dlouhy **Ecocraft light**



Handling the s-max is very easy and after a brief orientation everybody is capable of operating the device safely.

Its continuously adjustable speed facilitates climbing difficult stairs and makes an optimum adjustment to each situation of transportation possible. In addition, the integrated engine immobiliser - avoiding unauthorized operation - is standard.

The various companies modifying vehicles into ambulances offer different solutions to store the chairs. The compartment must be designed so that it is easily accessible from outside. That way the s-max is quickly ready to use at all times and the personnel does not have to get into the ambulance again. The separate charging socket on the stair climber makes charging during the drive possible so the device is ready to use. You just need to attach it to the chair, which can be done easily and quickly.



If the s-max is not needed, it can be stored tightly and safely in the ambulance

s-max
160 kg
135 kg

Stryker Stair-PRO



Stryker Stair-PRO 6251

The stair climber s-max can be attached (also retroactively) to a great number of chairs. Depending on the chair's frame and dimensions, either the s-max with a total load of 160 kg or 135 kg (always maximum total weight approved) is used.

For example, the s-max with a maximum carrying capacity of 160 kg can be attached to the Stair-PRO 6251 of the company Stryker, while for the model 6252, equipped with a transport crawler, the s-max with a lifting capacity of 135 kg is suitable.



Special installations provide a safe place inside the ambulance for each unit.



Stryker Stair-PRO 6252

s-max
135 kg



Utila ALS 103

Utila / FERNO ALS 103 / 59 T

The model s-max with a lifting capacity of 135 kg also comes with a “smart step function”, which simply means that the device touches down on the next step extra softly. In addition, the stair climber is equipped with integrated light emitting diodes, which light up the stairs in dark or dimly lit staircases.

Minimize your personnel’s absences from work and the thus resulting increased costs. The stair climber does not only relieve your staff but it also helps to keep costs from increasing.



FERNO 59 T



Safety brakes automatically brake at the edge of each step.

SDM7 + c-max U2



c-max U2

The c-max U2 is a stair climber with an integrated seat. It can be folded easily and quickly. The maximum carrying capacity is 160 kg. In addition, the c-max U2 also passed the test according to EN 1789.



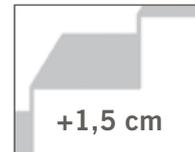
The universal brackets SDM7 make the s-max compatible with the most diverse wheelchair types. Especially when transporting patients in their own wheelchairs this type of stair climber is the optimum solution. You do not need to reseat the patient, which is more comfortable for both the patient as well as the rescue team.

Helpful accessories — for emergency rescue teams to be more flexible in everyday situations

Accessories* for your s-max and c-max U2



Inclination indicator



Increase of step's height



Seat belt system including hip belt



Voltage converter



Hip belt

Power unit, grip with controls as well as the battery pack plus charger are part of the standard delivery package of the s-max. All types of brackets to mount the stair climbers to the diverse chairs are available as accessories.

The inclination indicator helps the operator to find the optimum angle of inclination. Should the operator hold the device too low the grip starts to vibrate.

Accessories* for your c-max U2



Holding device for oxygen



Head rest



Handle extension

Accessories* for your s-max

Brackets are available for all commercial chairs.

* other accessories on demand

High quality materials and innovative technology — the s-max is your ideal assistant in emergency rescue teams

At AAT it is our goal to offer you more efficiency in your everyday life with aids that stand out because of their intelligent and high-class technology.

Knowledge and skill, based on many years of experience in designing climbing aids and power systems for wheelchairs, have led to these improved systems.

- **Engine immobiliser to protect your device from unauthorized use**
- **Single step mode**
- **High versatility even on extremely narrow stairs**
- **Automatic braking function when descending**

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CE The s-max concurs with the guidelines of the European Union 2007/47/EG for medical products.

In the interest of progress we reserve the right for technical changes.



The company AAT Alber Antriebstechnik is a member of the QVH and has been awarded the quality stamp according to the inspection of quality standards for medical vehicles. AAT is certified according to DIN EN ISO 9001:2000 and DIN EN ISO 13485:2003.

Technical data	s-max 160 kg	s-max 135 kg	c-max U2
Maximum lifting capacity ¹	160 kg (person, chair)	135 kg (person, chair)	160 kg (person)
Climbing speed (continually adjustable)	8 — 23 steps per minute	5 — 20 steps per minute	8 — 23 steps per minute
Capacity with one battery charge (depending on the load)	15 — 20 levels, approx. 300 steps	15 — 20 levels, approx. 300 steps	15 — 30 levels
*LED's for safe operation in the dark	no	yes	no
*„Smart step“ function for comfortable operation	no	yes	no
Height	min. 1200 mm max. 1650 mm	min. 1200 mm max. 1650 mm	min. 1130 mm max. 1530 mm
Batteries	2 x 12 V / 3,3 Ah	2 x 12 V / 3,3 Ah	2 x 12 V / 5 Ah
Weight of battery pack	3.0 kg	3.1 kg	4.4 kg
Weight of climbing unit	15.5 kg	14.7 kg	} 31.3 kg
Weight of handle	3.5 kg	3.0 kg	
Total weight	22 kg	20.7 kg	35.7 kg
Climbing height	22 cm 23.5 cm (extended)	22 cm 23.5 cm (extended)	21 cm 22.5 cm (extended)

¹ Please note the maximum load stipulated by the chair or wheelchair manufacturer.



Ideen bewegen mehr

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