



The stair climber for your wheelchair

Powerful, safe, and comfortable - upstairs and downstairs

s-max

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In everyday situations stairs pose a problem for many people. Be it in school, at work or on your way to friends or sports activities – stairs are everywhere. The s-max helps you to overcome this barrier safely.

Stay active in your familiar environment. Do not go without habits that are dear to you. Conquer stairs inside and outside safely and comfortably in your own wheelchair. The reliable stair climbing system lends itself for all kinds of stair coverings.

Operation is particularly easy and calls for little physical effort. Thanks to its compact measurements and low weight the s-max is your ideal partner in everyday life.



Mobility is quality of life —
overcome daily obstacles comfortably
in your own wheelchair

Since the s-max operates on only one climber, it is exceptionally compact and thus ideal for narrow – even winding stairs.



Innovative technology and unique ideas — for more safety and comfort



To keep up with the times we developed the s-max, i.e. innovative technology born of original and creative ideas.

The s-max's thought-out safety concept includes brakes that stop automatically at the edge of each step.

The intelligent technology is responsible for the particularly safe and effortless climbing process. The new "smart-step" function makes operation exceptionally easy and comfortable. The climber sets down gently reducing shifts in weight.

No more climbing stairs in the dark because of the added LEDs.

An engine immobiliser prevents unauthorized use thus adding extra safety.



Thanks to its compact measurements the s-max is perfect for narrow children's wheelchairs as well.

The climbing speed is individually adjustable to adapt to various climbing situations. If desired the single step mode can be turned off.

The s-max is quickly and easily mounted and due to its compact measurements it is also suitable for particularly narrow wheelchairs – minimum seat width is 24 cm.



Our most powerful model is designed for person weights up to 135 kg (standard version, up to 115 kg).



The control unit and the grips are designed considering the latest ergonomic findings.

Be ready for all kinds of situations — with the right accessories



s-max sella



Universal rack SDM7

For a person who merely needs help climbing stairs the s-max sella is the optimum solution. The chair is particularly narrow and thus suitable for very narrow stairways and even winding stairs.

The universal rack SDM7 makes the s-max compatible with the most diverse wheelchairs. Therefore it is particularly suitable for public places and driving services.



Complete equipment and extras that make sense — fulfilling your wishes

The delivery package of the s-max includes the power unit, the grips with control unit, the battery pack and the charger. Brackets for virtually all wheelchair types are available as accessories.

The inclination indicator helps you to find the optimum inclination angle for operation. If you hold the s-max too high or too low you feel a vibration in the grip.

Accessories* for your s-max



Anti-tilt support



Tipping bar



Transportation adapter



Brackets for the wheelchair



Inclination indicator



Increase of climbing height



Voltage converter



Hip belt**



Seat belt system including hip belt**

* Further accessories on demand

** Accessory in combination with the s-max sella

Improved technology and new design — with the s-max you overcome safely all barriers

Our goal at AAT is to offer you a means for more mobility with ingenious and state of the art technology.

Our knowledge and skill based on great experience developing climbing aids and power systems for wheelchairs results in an improved system to facilitate your daily life:

- **LEDs for safe operation in the dark**
- **Engine immobiliser to prevent unauthorized use**
- **“Smart step” function for a comfortable driving experience**
- **Single-step-mode**
- **Automatic braking function when descending**
- **High versatility even on extremely narrow stairs**
- **No damage on stairs and floor coverings**

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CE The product s-max and s-max sella concurs with the guidelines of the European Union 2007/47/EG and 2006/42/EG.

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 9001:2008 and EN ISO 13485:2003 + AC:2007.

Technical data	s-max 135	s-max 160	s-max sella	s-max sella 160
Total weight approved	155 kg ¹	180 kg ¹	170 kg	195 kg
Max. weight of the person	115 kg	135 kg	135 kg	160 kg
Climbing speed	5 — 20 steps per minute (continually adjustable)	8 — 23 steps per minute (continually adjustable)	5 — 20 steps per minute (continually adjustable)	8 — 23 steps per minute (continually adjustable)
Range with one charge of the batteries on average load of 75 kg	approx. 26 levels (equates 390 steps)	approx. 15 levels (equates 225 steps)	approx. 26 levels (equates 390 steps)	approx. 15 levels (equates 225 steps)
Max. height of step I extended	220 235 mm	220 235 mm	220 235 mm	220 235 mm
Width handle I climbing unit	520 321 mm	520 370 mm	520 321 mm	520 370 mm
Depth handle I climbing unit	230 320 mm	230 320 mm	230 320 mm	230 320 mm
Height min. I max.	1150 1550 mm	1200 1650 mm	1150 1550 mm	1200 1650 mm
Batteries	2 x 12 V / 3,3 Ah	2 x 12 V / 3,3 Ah	2 x 12 V / 3,3 Ah	2 x 12 V / 3,3 Ah
Direct current motor	24 V / 200 W	24 V / 275 W	24 V / 200 W	24 V / 275 W
Weight climbing unit	15.8 kg	16.9 kg	15.8 kg	16.9 kg
Weight handle	3.2 kg	3.2 kg	14.8 kg (incl. seat)	14.8 kg (incl. seat)
Weight both arm rests	—	—	1.2 kg	1.2 kg
Weight battery pack	3.0 kg	3.0 kg	3.0 kg	3.0 kg
Total weight	22.0 kg	23.1 kg	34.8 kg	35.9 kg

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



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