

S-MAX AVIATION

The stair climber for safe and dignified PRM Boarding



NOBODY WANTS TO BE CARRIED LIKE A PIECE OF LUGGAGE!

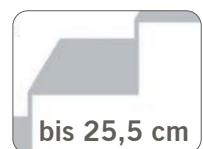
S-MAX AVIATION - FOR PROFESSIONAL GROUND HANDLING OPERATORS

Boarding people with reduced mobility is circumstantial for many types of aircrafts. The s-max aviation was especially developed for these requirements and enables the Ground Handling staff to bring PRM passengers safely, efficiently and comfortably directly to their seats without the otherwise required physical effort.

It is not necessary to transfer the PRM passenger to an aisle chair. Due to the narrow width of 38 cm, passengers in the s-max aviation can be brought directly to their seats.

Avro RJ, BAE146, ATR42/72, CRJ, Dash8, DO328, Embraer ERJ 135/140/145, Fokker 50/70/100, Dessault Falcon, Gulfstream, Saab 340/2000.

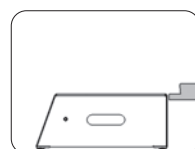
Advantages, that convince



■ Step height up to 25,5 cm



■ Turning on the spot

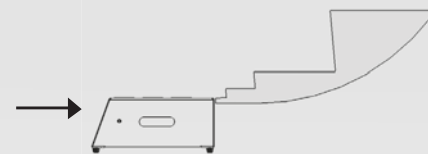


■ Auxiliary step



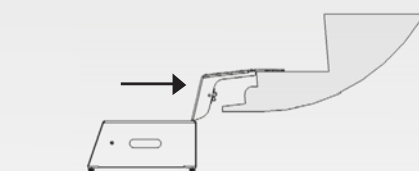
UNIVERSAL AUXILIARY STEP

The s-max aviation manages to climb a step of 25.5 cm. However, with some air plane types the first step from the ground to the step is higher than 25.5 cm. Therefore we developed this universal box step.



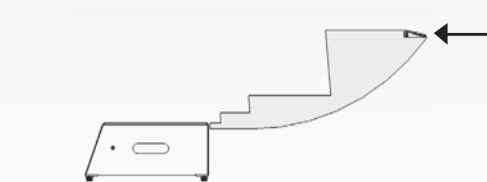
Adaption to Dash-8 (optional accessory):

This adaption was designed especially for the aircraft type Dash-8. It can be transported within the universal box step. If needed you simply take it out and hook it into the universal box step.



Adaption for ATR (optional accessory):

In this aircraft a "threshold" must be overcome. This „wedge-shaped" adaption facilitates driving over said threshold. It can also be transported inside the universal step.



Please make sure that the box step is always positioned in front of the stair, never underneath the stair! The straight side must always face towards the stair.



AUXILIARY STEP

Lightweight and portable. In the scope of delivery.

Image similar



LIGHTLY THOUGHT,
STRONGLY MADE

Pushing a wheelchair can often be very tedious for the accompanying person. Especially when driving uphill, a lot of physical effort is needed. Even short trips are often exhausting and tiring.

The innovative pushing aid **V-MAX** mini therefore supports the attendant and thus enables more mobility.

The user-friendly control unit allows easy handling and ensures reaching all functions with only one hand. The lightweight lithium-ion battery provides a range of up to 15 km with a net weight of only 1.5 kg.

Total weight, approved	190 kg ⁽¹⁾ (Person, wheelchair, V-MAX mini)
Mounting possible	Seat width 36 cm (camber 0°)
Max. mounting width	Seat width 60 cm
Speed forward	intuitively adjustable 6 km/h
Range with one charge of the batteries	up to 15 km ⁽²⁾
Maximum possible incline	up to 15 % ⁽³⁾
Batterys	36 V / 6.4 Ah
Direct current motor	36V / 250 W
Weight, power unit	6 kg
Weight, interface (incl. cables)	0.8 kg
Weight, Lithium ion battery pack	1.5 kg
Total weight without battery pack	6.8 kg
Total weight incl. battery pack	8.3 kg

(1) Please note the maximum load stipulated by your wheelchair manufacturer.
(2) According to ISO 7176-4 the range depends among other things, on the weight of the person to be transported, the surface of the ground, the topography, etc.
(3) Climbing capacity at a total weight until 150 kg (person weight approx. 120 kg) = 10 %. The climbing capacity is dependent, among other things, on the weight of the person to be transported, the surface of the ground, the topography, etc.



V-MAX mini
JUST PUSH IT



**Ready to go
in no time**



**Simple and easy
operation**



**Strong and
enduring**



**PERFECT
TRANSFER UNIT**

Image similar

Safe and fast PRM Boarding

AAT has the vision to revolutionize PRM Boarding with the s-max aviation. PRM passengers are the fastest growing target group of all passengers worldwide.

This target group has special needs and requirements, such as security, trust and dignified handling. Especially the transport over stairs could be a high risk for

passengers and staff.

The s-max aviation handles the transport effortlessly up to 160 kg safely and efficiently.

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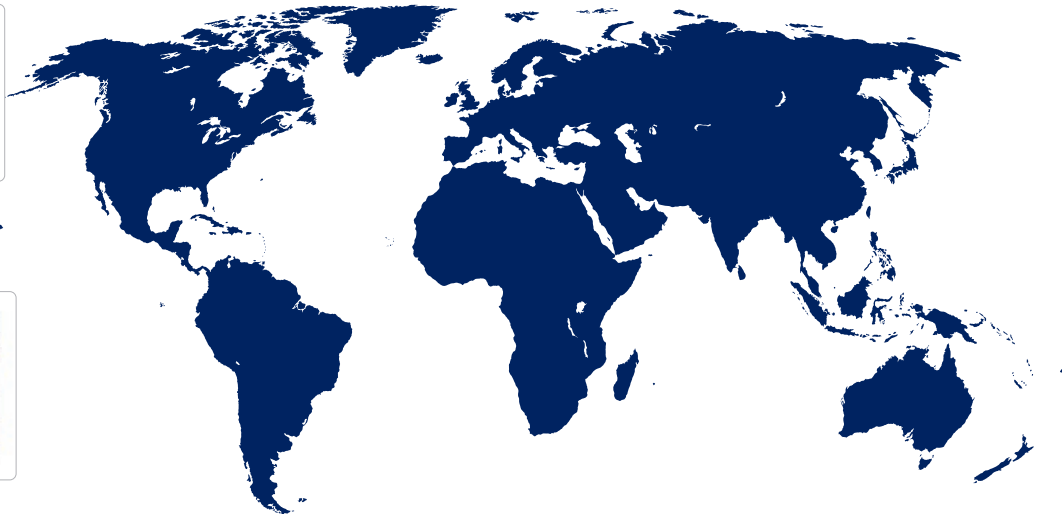
People with visual and reading impairments or intellectual disabilities can print out the brochure available on the website (www.aat-online.de) in enlarged letters or have this brochure read to them, if necessary.



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Technical data	s-max aviation D1611
Total weight, approved	195 kg
Max. weight of the person	160 kg
Climbing speed (continually adjustable)	8 - 23 steps per minute
Range with one charge of the batteries ⁽¹⁾	equates 225 steps
Max. height of step	255 mm
Width handle s-max with transportation chair	470 370 mm
Width s-max with transportation chair	860 985 mm
Height min. max.	1100 1500 mm
Batteries	2 x 12 V / 3,3 Ah
Direct current motor	24 V / 275 W
Weight climbing unit	20,1 kg
Weight handle	2,9 kg
Weight transportation chair	11,4 kg
Weight battery pack	3,0 kg
Total weight	37,4 kg

(1) The climbing speed as well as the range with one charge of the batteries is reduced if the ComfortStep is activated. In the interest of progress we reserve the right for technical changes.

 The s-max aviation concurs with the guidelines of the European Union 2017/745/EU and 2006/42/EG.



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