



Quality. Experience.
Innovation.



Mobile

FUELING EQUIPMENT

Fixed height or
height-adjustable



Customised access

ALTEC stands for safety and reliability.



Quality. Experience.
Innovation.

Thanks to our in-house development department, we have a high level of **expertise in aluminium and steel**. We stand out thanks to over 40 years of experience in precision welding and custom-engineered solutions in the aviation, rail/commercial vehicle, industrial and bridge construction sectors. We have extensive experience with public-sector tenders, to ensure the highest level of professionalism in every project. Our quality assurance teams maintain up-to-date expertise through regular training.

From the initial idea to installation, our customers receive their product from a single source: efficient, reliable and, of course, made in Germany.

Thoroughly tested and evaluated – our certificates:



State-of-the-art welding technology makes ALTEC products particularly robust, durable and virtually maintenance-free – for maximum reliability in use. We have also been a DIN EN 1090-certified company since 2013.

Your direct line to us:

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E-Mail sales@altec-alu.de | www.altec-alu.de

You can find our service
expertise in fueling technology here:



Jaromir Chalabala: Shutterstock.com



↑ The use of fueling ladders at airports is a key component of safe and efficient aviation infrastructure. Our products comply with the following standards: **DIN EN 12312-5, DIN EN 12312-8, DIN EN 1915-1**

Immediately after an aircraft lands, the final sprint for the next take-off begins. Speed is naturally of the essence here: every move must be just right – but speed must not come at the expense of occupational safety! That is why ALTEC has paid just as much attention to **manoeuvrability, sure-footedness and accident prevention** in the development of its stable fueling equipment as it has to **rapid transport** across the tarmac using a robust towing device.

Our fueling technology is guaranteed to meet these requirements: the fueling ladders and platforms move within a **working height range of approximately two to over six metres**. They are therefore suitable for use at major airports with their

narrow-body or wide-body aircraft as well as at private airfields with smaller aircraft and business jets.

Thanks to their pneumatic tyres and easy manoeuvrability, our ALTEC platforms can be transported at a towing speed of up to 25 km/h. This means that fueling personnel can reach the aircraft more quickly in future, **contributing significantly to smooth flight operations**.

Other possible applications:

Food industry, chemical and petrochemical industry, rail vehicles, tankers, cleaning work on sewer flushing vehicles, for taking samples of tank contents, and as access to tank containers and cisterns.

Fueling ladders for business jets

Perfectly designed platform ladders for fast and safe operation

The ALTEC fueling ladder is **electrically conductive** and has a comfortable **handrail**. The **ribbed rungs** ensure safe ascent and descent.

When not in use, the ladder can be **folded flat** to save space, making it easy to handle. The **standing platform** is made of ribbed aluminium with slip resistance class 11 for a non-slip footing. There is a **shelf** for work materials at the top.



Loosen the screw and fold up

Order number: 1PL-FL-104-0-0

Platform height 1050mm | 3 rungs + Platform

Order number: 1PL-FL-105-0-0

Platform height 1300mm | 4 rungs + Platform

Order number: 1PL-FL-106-0-0

Platform height 1550mm | 5 rungs + Platform

Order number: 1PL-FL-107-0-0

Platform height 1800mm | 6 rungs + Platform

Order number: 1PL-FL-108-0-0

Platform height 2070mm | 7 rungs + Platform



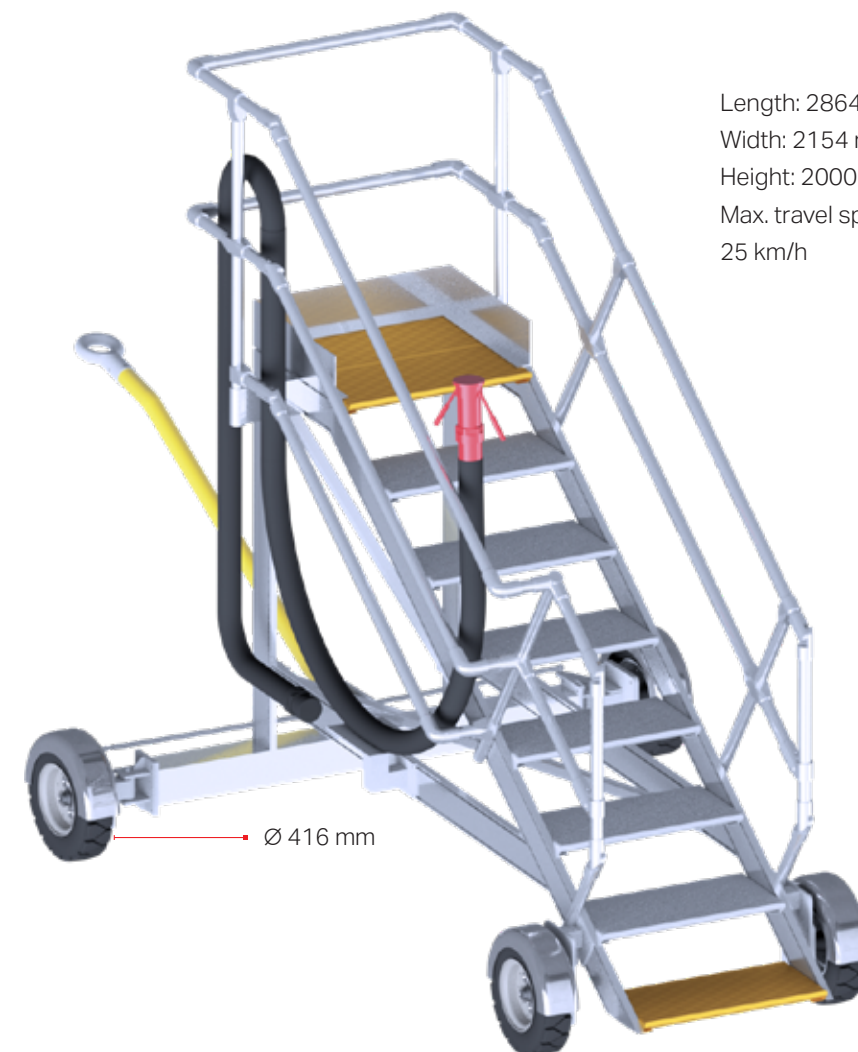
Aluminium holder: secure hold for the fueling nozzle

Crossbar with non-slip foot caps and fixed castors for easy movement of the ladder. The fixed castors can be folded up without tools to obtain 2 crossbars for a secure footing.



Fixed-height fueling stairs

Our favourite for private airfields with smaller aircrafts

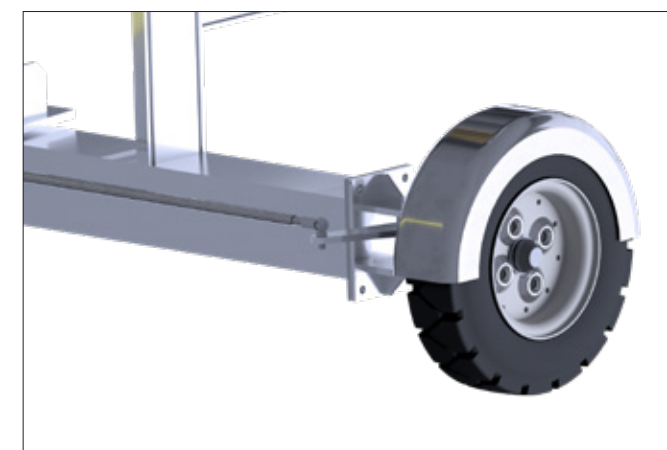


Length: 2864 mm
Width: 2154 mm
Height: 2000 mm
Max. travel speed:
25 km/h

The double-axle ALTEC fueling stairs feature a fixed platform height: thanks to the flexible, single-sided fueling device, fueling can be carried out from any step.

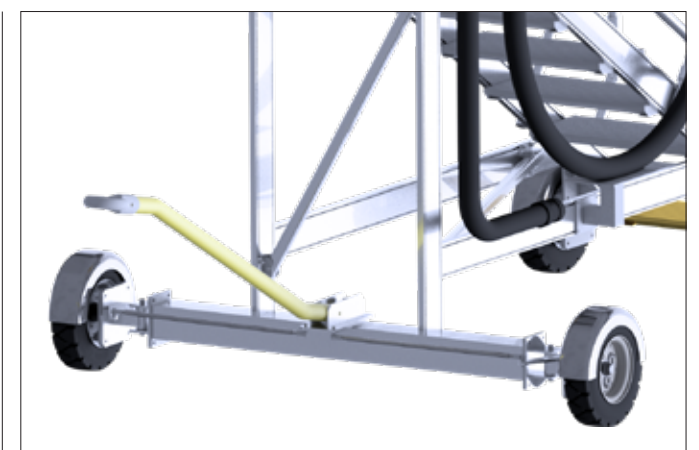
Technical specifications:

- Material: aluminium or steel
- Platform height: 2000 mm with 7 stairs (individually configurable 3-7 stairs).
- Stair width: 650 mm
- Step and platform covering made of non-slip, ribbed safety perforated sheet metal (R13).
- Foldable, space-saving drawbar, locks in the upper position and serves as a parking brake
- 1x fueling nozzle with hose and coupling.
- Earthing cable

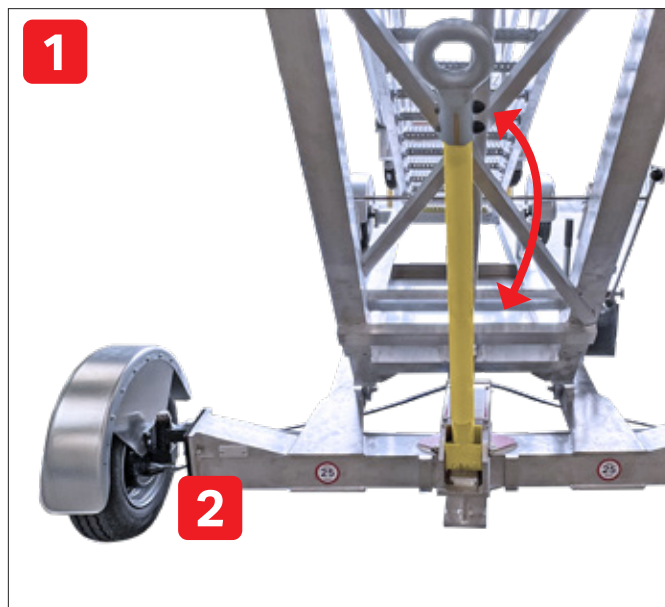


The pneumatic tyres with tread and a tyre size of 416 mm allow towing at speeds of up to 25 km/h with the help of the drawbar.

The drawbar is mounted on a swivel and allows the tyres to be steered by means of a track rod.



The towing device can be folded up and locked in place with the towing eye at the top when not in use. The drawbar acts as a parking brake when in the parking position.



The foldable towing device locks in the upper position and serves as a parking brake.

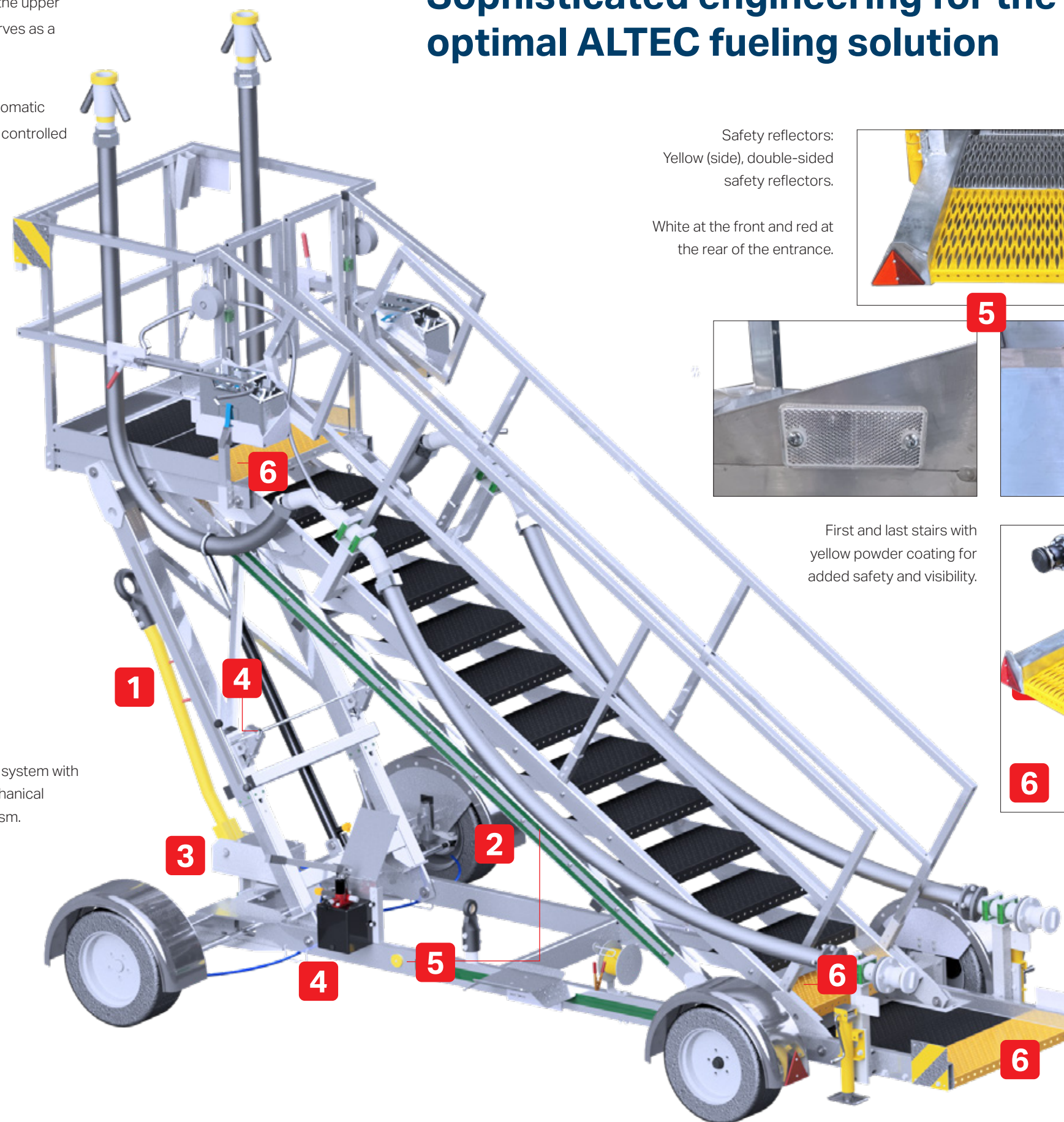
Wheels with automatic braking system controlled via the drawbar.



Swivelling front axle for maximum manoeuvrability.



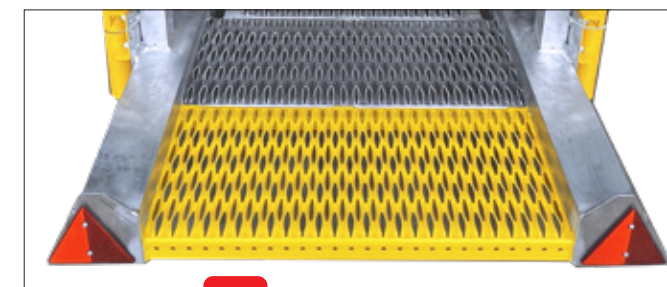
Hydraulic lifting system with automatic, mechanical safety mechanism.



Sophisticated engineering for the optimal ALTEC fueling solution

Safety reflectors:
Yellow (side), double-sided safety reflectors.

White at the front and red at the rear of the entrance.

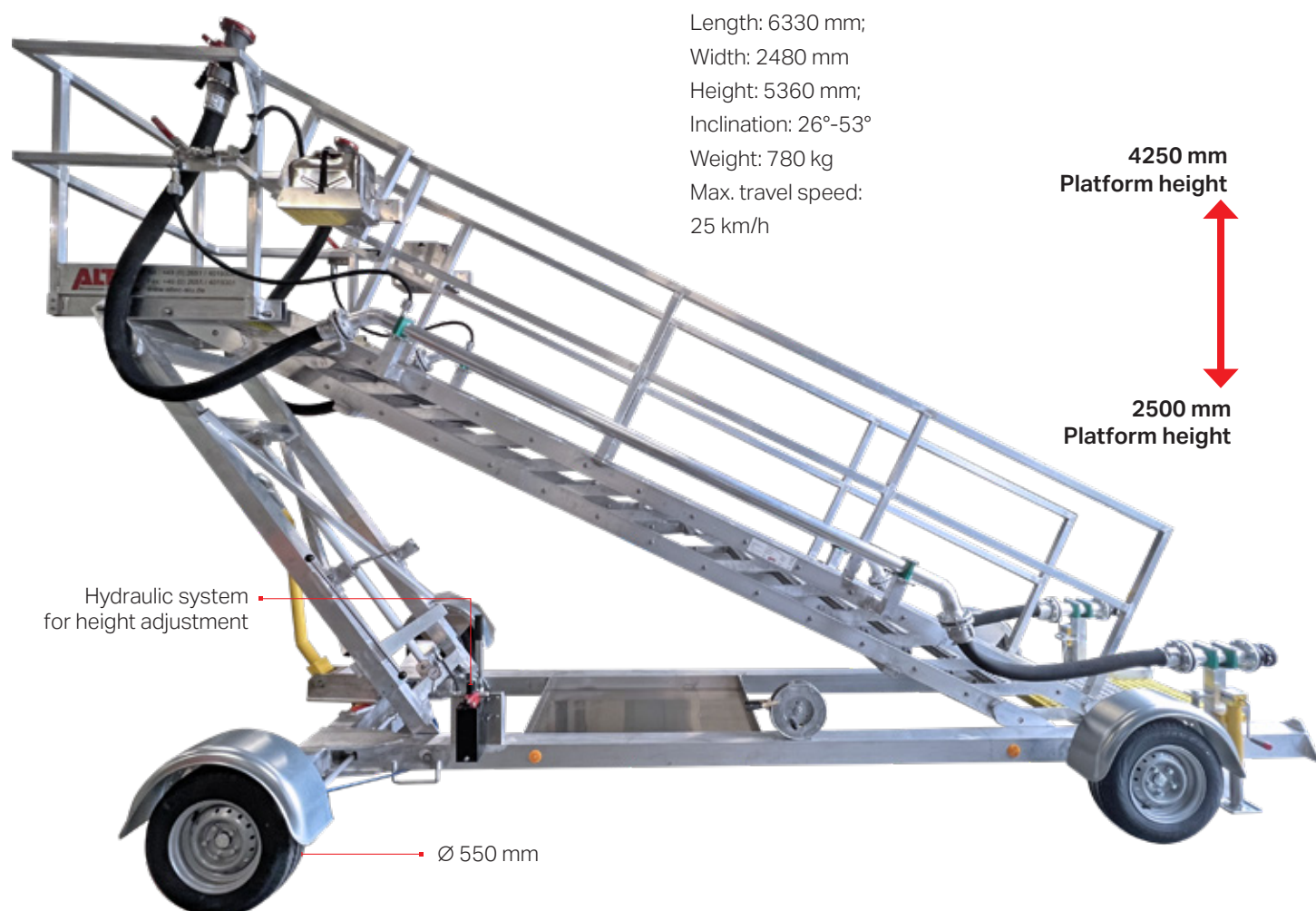


First and last stairs with yellow powder coating for added safety and visibility.



Height-adjustable fueling platform

The large aluminium fueling platform: lightweight and very stable



↑ The towing device can be folded up and locked in place with the towing eye at the top when not in use. The drawbar acts as a parking brake in the parking position and may only be moved within a specified steering angle.

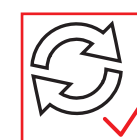


↑ Pressure relief canister, for quick and easy removal of kerosene for disposal and easy removal.

The advantages of aluminium stairs and platforms at a glance



Best value for money



Easy to recycle with high scrap value



Lightweight



Quick to assemble



Durable and corrosion resistant

Aluminium – fully recyclable and an environmentally friendly material

Aluminium is naturally **corrosion-resistant**, meaning it does not rust even when exposed to moisture or salty air. When exposed to air, aluminium forms a protective oxide layer. This makes our fueling stairs ideal for use in damp or wet environments.

Aluminium is a **lightweight metal** with approximately 1/3 the density of steel. Despite its 'light weight', aluminium is very strong. This makes the products easier to transport and handle.

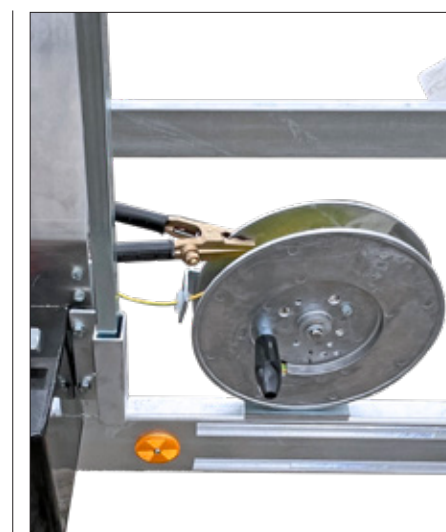
Aluminium conducts heat well, which can be an advantage in certain work areas (e.g. when working in cold seasons).

Our **aluminium** fueling stairs are extremely durable. Aluminium can be recycled easily and energy-efficiently – old material is simply melted down and **100% re-used**. The recycled aluminium has the same properties as primary aluminium



→ Available with single or double-sided fueling couplings from EATON, Cla-Val or Meggitt. A spindle support to compensate for uneven ground and ensure stability.

→ Earthing cable with clamp for potential equalisation during fueling for greater safety



Height-adjustable steel fueling platform

Universal talent for the A320, B737, B757, A330, A340, A350, A380



Height adjustment via a hydraulic cylinder, which is driven by a hand pump. This makes the staircase versatile and flexible in use.

corresponds to:
DIN EN 12312-5
DIN EN 12312-8
DIN EN 1915-1

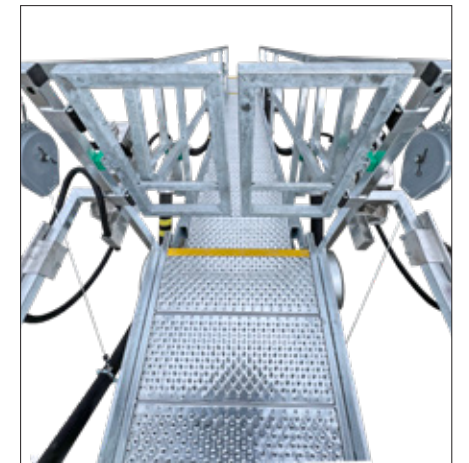


Our large fueling platform with hydraulic height adjustment provides flexible access to fueling openings for aircraft types of different heights. A non-slip (R13) and stable platform provides comfortable space for easy fueling. The stairs are available in **galvanised steel** in two height options.

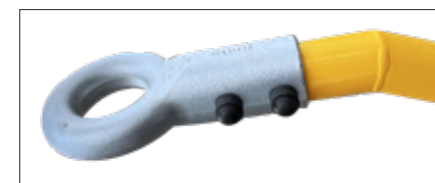
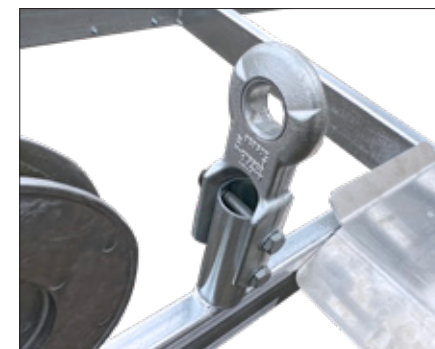
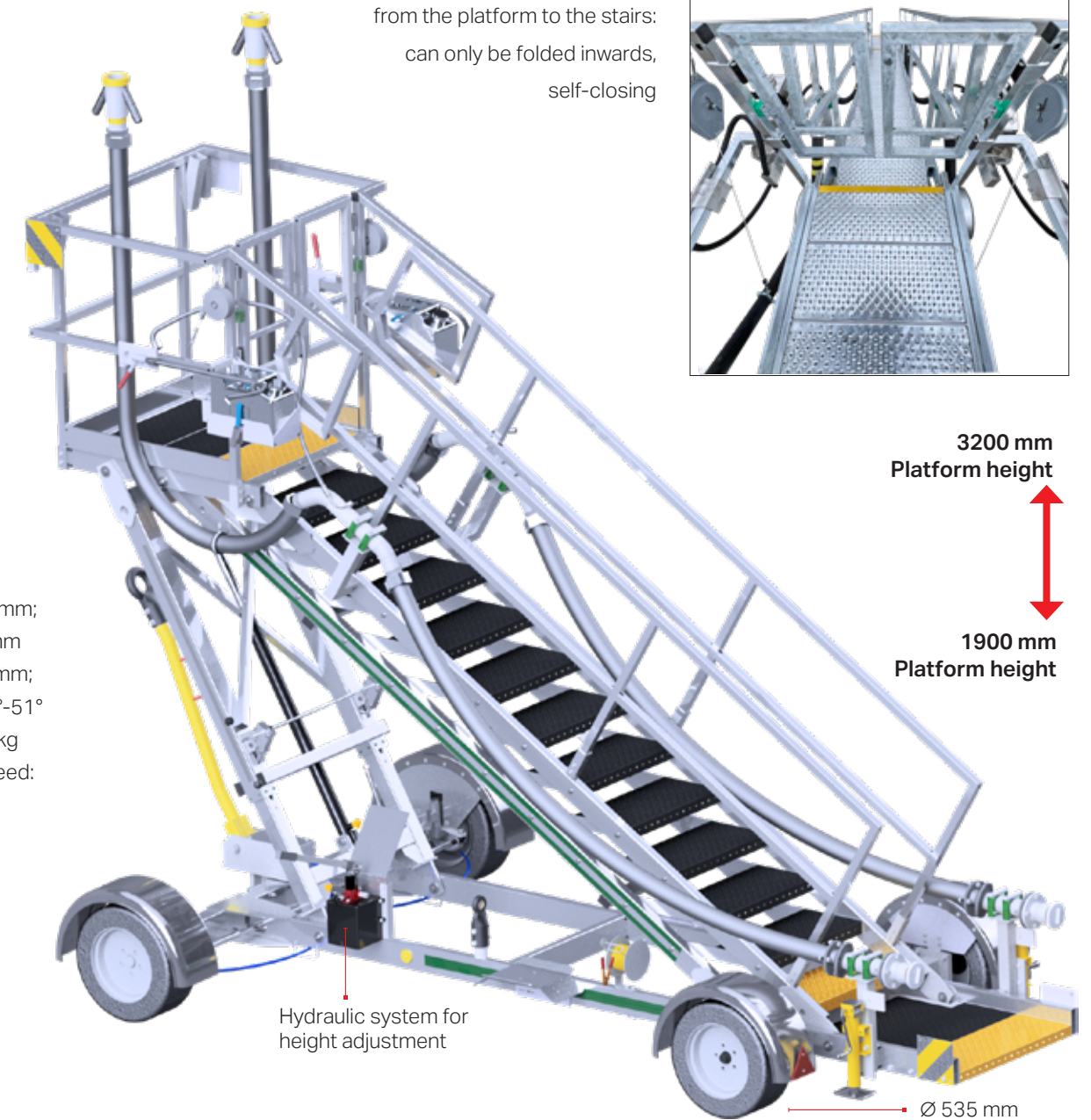
The non-slip stairs made of safety perforated sheet metal (R13) ensure maximum stability and safety.

The 535 mm pneumatic tyres allow towing at speeds of up to 15 km/h.

Double-wing fall protection from the platform to the stairs: can only be folded inwards, self-closing



Length: 5573 mm;
Width: 2540 mm
Height: 4300 mm;
Inclination: 25°-51°
Weight: 1000 kg
Max. travel speed:
15 km/h



Slot for interchangeable tow eyes for small Ø 40 mm (top) and large Ø 76.2 mm (bottom) trailer couplings (2 x left)

Spring mechanism to relieve the operator during fueling (right)

Our fueling stairs and platforms

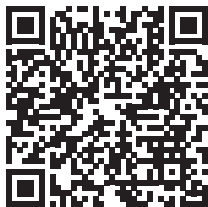
An overview

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Find out more or order
directly at

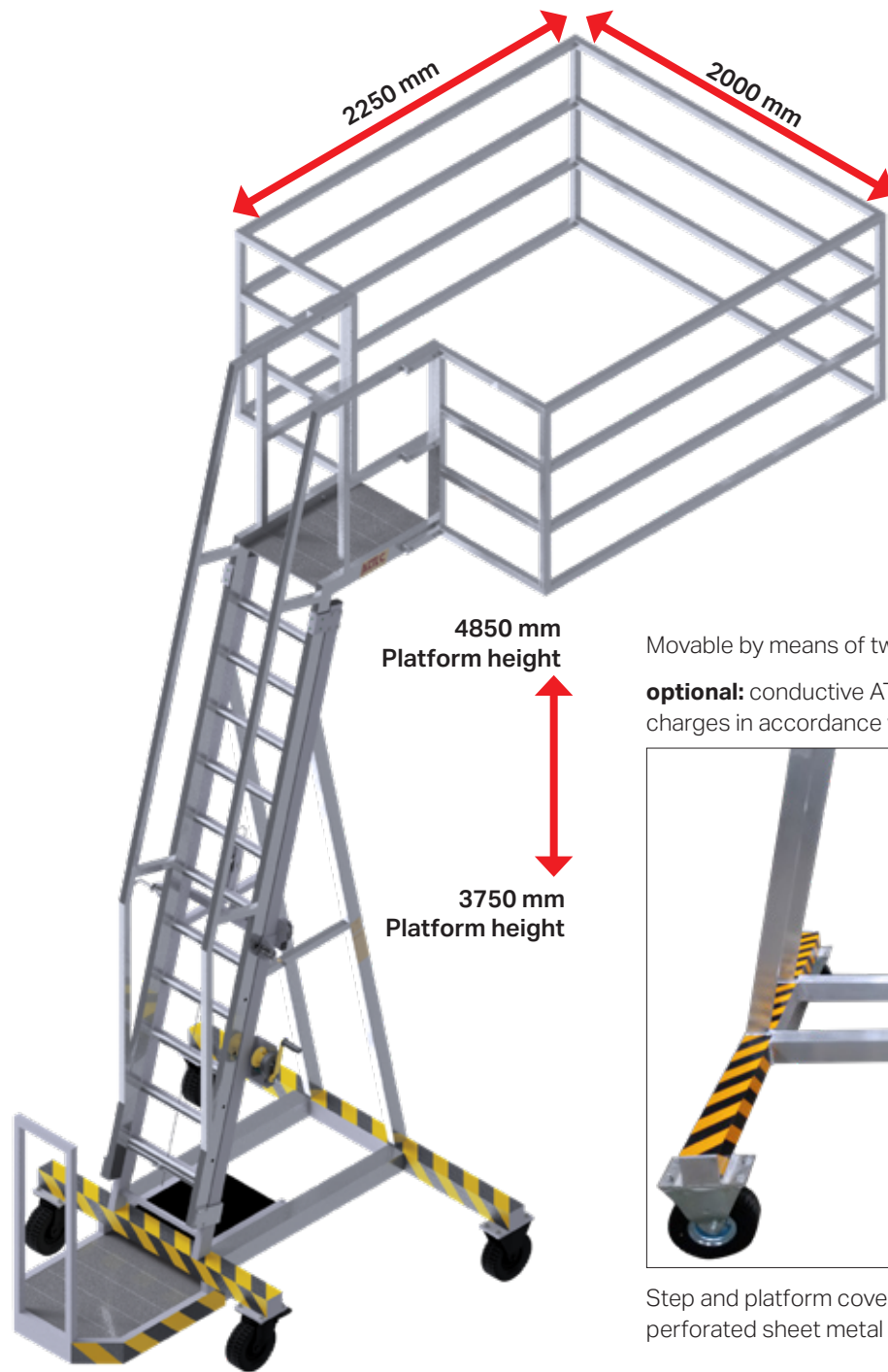
www.altec-alu.de



	Fueling ladder, aluminium 3 - 7 rungs (see page 4)	Fueling stairs, fixed height e.g. 7 stairs (see page 5)	Small fueling platform, steel, height-adjustable, 12 stairs (see page 11)	Large fueling platform, steel, height-adjustable, 16 stairs (see page 10)	Large fueling platform Aluminium, height-adjustable 16 stairs (see page 8)	
	Platform ladder without hose Collapsible, one side with crossbar and fixed castor	Fueling hose, can be refuelled flexibly from any step	Double-sided fueling hose, permanently installed (flexibility through height adjustment)	Double-sided fueling hose, permanently installed (flexibility through height adjustment)	Double-sided fueling hose, permanently installed (flexibility through height adjustment)	
Order number	1PL-FL- 104 -0-0 bis ... 108	on request (depending on height)	ZN-311168	ZN-310883	ZN-14300	aircraft types
Platform height	1.05 m - 2.07 m	individually configurable	1.90 m - 3.20 m	2.50 m - 4.25 m	2.50 m - 4.25 m	
Maximum working height	3.05 m - 4.07 m	z.B. 4.10 m (7 Stairs)	3.90 m - 5.20 m	4.50 m - 6.25 m	4.50 m - 6.25 m	
Average height fueling couplings	derived working height = platform height + 2 m					
5.25 m			☑	☑	☑	A380-800
5.00 m			☑	☑	☑	B747-400 / -8
4.60 m			☑	☑	☑	B777-9
4.50 m			☑	☑	☑	B777-200 / -300 / LR / ER
4.45 m			☑	☑	☑	A350-900 / -1000
4.30 m			☑	☑	☑	A340-200 bis -600
3.90 m	☑ 7 rungs 1PL-FL-108-0-0	☑	☑			A330-200 / -300 / neo; Dreamliner B787-8 / -9 / -10
3.40 m	☑ 6 rungs 1PL-FL-107-0-0	☑				B727-100 / -200; B767-200 / -300 / -400ER
3.25 m	☑ 5 rungs 1PL-FL-106-0-0	☑				B757-200 / -300
3.05 m	☑ 5 rungs 1PL-FL-106-0-0	☑				A220-100 / -300
2.80 m	☑ 4 rungs 1PL-FL-105-0-0	☑				A318-A321 (incl. neo); E-Jets E170-E195;
2.75 m	☑ 4 rungs 1PL-FL-105-0-0	☑				A319
2.70 m	☑ 3 rungs 1PL-FL-104-0-0	☑				A318 B737 Classic/NG/MAX
2.45 m	☑ 3 rungs 1PL-FL-104-0-0	☑				B717-200; CRJ700-1000
2.00 m	☑ 3 rungs 1PL-FL-104-0-0	☑				ATR 42/72

Tanker ladder height adjustable

Ladder with lateral ascent for safe working in the safety cage



Movable by means of two fixed castors and two swivel castors,

optional: conductive ATEX castors to prevent electrostatic charges in accordance with ATEX Directive 2014/34/EU

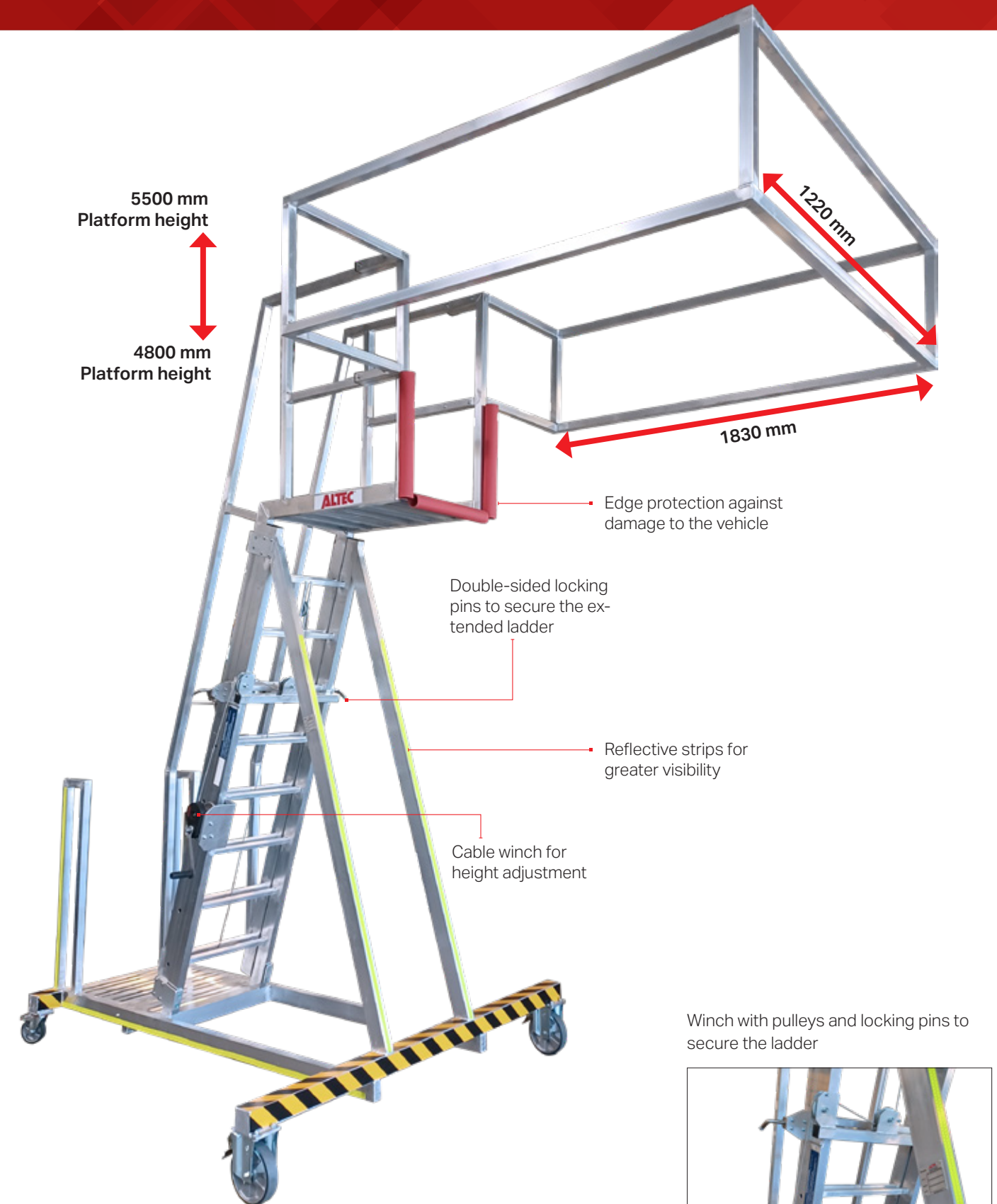


Step and platform covering made of non-slip, ribbed safety perforated sheet metal (R13)

The ALTEC **mobile safety ladder** protects operators during ascent onto the tanker vehicle and during the filling, emptying and maintenance of tankers on the vehicle surface. We have developed an access system that enables operators to safely and efficiently access the upper loading areas of vehicles, thereby **preventing accidents and health risks**.

Safety precautions must be taken when using tanker ladders in the presence of potential hazards associated with handling hazardous substances such as kerosene (especially in wet or oil-contaminated conditions).

The **safety cage**, which can be folded down as an option, provides additional safety.



Winch with pulleys and locking pins to secure the ladder



- Ladders can be moved parallel to the vehicle in confined spaces.
- Access to the safety cage via aluminium rung ladder.
- Two side handrails for better grip.
- Profiled rungs welded into the rail for safe ascent and descent.
- Height secured on both sides via spring-loaded locking pins including handle.
- Movable via lockable swivel castors.
- Delivered in pre-assembled modules.



Customised access

ALTEC stands for safety and precision.

All our ALTEC fueling stairs, scaffolding, work platforms and maintenance platforms are the result of years of development and practical experience. You too can benefit from our commitment to quality and safety! Our qualified employees manufacture our products with dedication and precision, supported by state-of-the-art machinery. The entire production process is subject to strict internal quality control – from the delivery of raw materials to the finished product. **We are your partner for reliability and cost-effectiveness.**



**Quality. Experience.
Innovation.**

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