



GROUNDWORKS

LADDER ACCESS & EP

User Guide



HIRE & SALES

BH/07.26

Altrad Hire & Sales

Support for Construction & Industry



Altrad Hire & Sales is the UK's leading supplier of: Scaffolding, Temporary Fencing, Light Access, Edge Protection, Safety Decking and Groundworks for hire and sale.

OUR **CUSTOMER COMMITMENT** IS TO DELIVER:



BEST QUALITY

We work closely with our suppliers to ensure consistent product quality every time. All our products are specified to meet or exceed statutory requirements, verified by our Quality Assurance team.



BEST AVAILABILITY

Our nationwide branch network, transport fleet and stock holding ensure we can supply your equipment needs. What, When and Where you need equipment.



BEST PARTNERSHIP

We can take care of all your equipment needs; supplemented by a full range of engineering, design, specification and business services. Our focus is to work together, supporting the growth of your business.



BEST VALUE

Our global supply chain, purchasing and lean business means we don't pass on unnecessary costs to you. We aim to provide consistently low prices and the best value when you buy or hire from us.

Ladder Access & Edge Protection

This booklet is intended to provide basic information for users of the following:-

- Altrad Hire & Sales Hire Ladder Access for Boxes and Sheets
- Altrad Hire & Sales Hire Edge Protection Systems for Boxes and Sheets

and to draw the client's attention to the practical aspects of assembly which need to be considered in drawing up method statements for a safe system of work.

Design

Design Standard

The Ladder Access Platforms are designed in accordance with BS EN 13374:2013 Class A ONLY.
i.e. Provide resistance to static loads only, based on the requirements to:-

- support a person leaning on the protection or provide a handhold when walking beside it and
- arrest a person who is walking or falling towards the protection.

The Edge Protection is designed in accordance with BS EN 13374:2013 Class A and Class B.
i.e. Provide resistance to static loads and low dynamic actions only.

- support a person leaning on the protection or provide a handhold when walking beside it and
- arrest a person who is walking or falling towards the protection and
- collectively stop a person who is sliding / falling down a sloping surface.

General Guidance Notes

Safe System of Work and Method Statement

These guidance notes are intended to draw the client's attention to practical aspects of the Ladder Access System installation which need to be considered in compiling a safe system of work. In particular, the client's attention is drawn to the dimensions and weight of the platform and the need for planning the lifting operations involved. The platforms are fitted with lifting points for safe slinging.

Note: All Ladder Access Systems MUST be removed from Boxes prior to any lifting.

Manpower

The main activities associated with the Ladder Access System installation are :-

- (i) Unloading the delivery vehicle.
- (ii) Slinging the platform into position on the boxes.
- (iii) Connecting the platform to the boxes.
- (iv) Levelling the platform.

General Guidance Notes

- (v) Securing a ladder to the platform.
- (vi) Connecting new support posts to the trench sheets.
- (vii) Connecting the posts to the boxes/sheets and the edge protection to the posts.

Plant and Lifting

A suitable appliance is required for off-loading and installation, together with lifting chains of suitable length and capacity and with current certification.

Tools

A lump hammer is required for tightening wing screws on the Clamping Brackets on the Ladder Access System and the post wing screws on the Barrier Posts.

Access, Hard Standing Areas and Site Storage

A suitable area is required to off-load the lorry and store the equipment. Suitable hard standings for the lifting appliance to operate from are also required to lift the platform onto the boxes or trench sheets.

During Works on Site

Install the edge protection as soon as possible. A competent person should regularly inspect the platform.

Return of Equipment Off-Hire

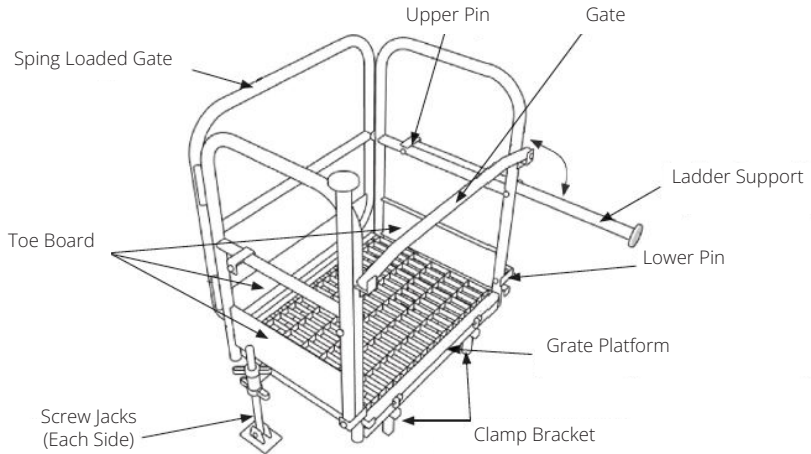
Clients should ensure that on removal, the equipment is returned clean and assembled as supplied.

Transportation

Ensure all equipment is loaded to the satisfaction of the lorry driver and is securely restrained to the vehicle bed.

Component Identification

Ladder Access for Boxes



Ladder Access Platform For Boxes

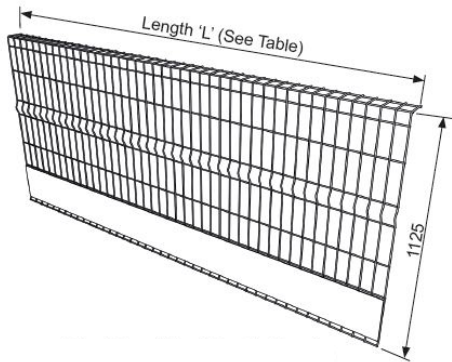
Weight: 110.0 kg

Finish: Powder Coated Orange

Approx. overall dimensions : 1100mm wide x 850mm deep x 1300mm high

Component Identification

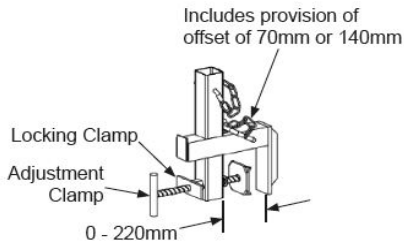
SheetGuard Components



SheetGuard Mesh Barrier Panels
Finish: Powder Coated Orange

Code	Length 'L' (mm)	Weight (kg)
084909	2245	11.0
084910	2700	24.0
084911	1800	12.0
084912	775 x 775	12.0

Universal Edge Protection System



Universal Post Bracket
Code: 084913/4
Weight: 5.0 kg
Finish: Powder Coated Orange

Connection Details, Site Assembly & Installation

Ladder Access for Boxes

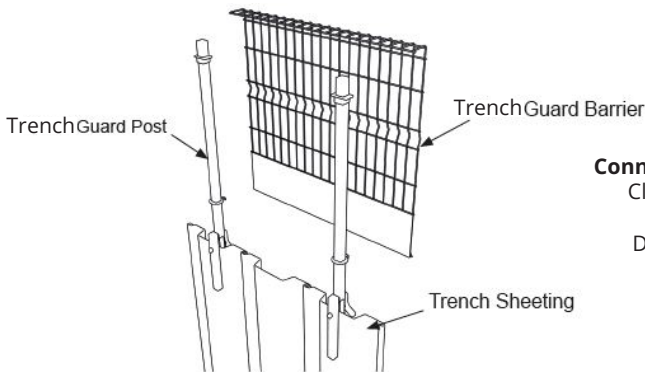
The Ladder Access Platform will be delivered to site fully assembled and no site assembly is required. After the Trench Box has been installed in the trench, lift the Ladder Access Platform into position on one of the panels. To access the lifting points, lift hinged platform grating. Tighten the two clamping brackets onto the panel and adjust the two levelling jacks until the platform is level.

Remove the lifting chains and lower the hinged platform.
Form a temporary ramp up to the platform if required.

Trench Guard Barriers and Posts

After the trench sheets have been installed (with the sheet tops level) in the excavation, lift the Trench Guard posts onto to the top of the trench sheets and space appropriately apart to suit the length of the barrier panels supplied (minimum two posts per barrier). Tighten the clamping brackets onto the trench sheets and ensure the posts are vertical.

Lift the barrier panels onto the posts and locate each post through the top horizontal profile of the panel. Using the adjustable barrier stop on the top of the post, adjust the height of the panel until the lower edge touches the top of the trench sheets. Lower the hooked collar on each post over the top of the toe board to prevent uplift of the barrier.



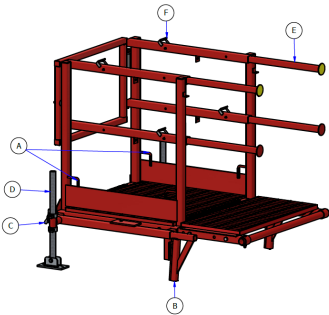
Connecting Barriers to Sheets

Clamp post to sheet tops
(min 2 per barrier)
Drop barrier over posts.

Product Specifications

Code	Product/Dimensions W X H	SWL (kN/m²)	Weight
084917	Mini Ladder Safe Platform	72	650.00kg
084919	Collapsible Ladder Safe Platform	98	179.00kg
730900	Jayville Ladder Sate	72	650.00kg
084920	Raptor Geo Ladder Platform		201.07kg

LADDER ACCESS - SHEET PILE



1.0 Ladder Access Platform – Sheet Piles Installation.

A full risk assessment should be undertaken before installing a ladder access platform.

Refer to Diagram .

- 2.1 The ladder access platform will be delivered to site assembled, check for damage or missing parts.
- 1.2 After installation of the sheet piles attach lifting chains to the 4 points (A).
- 2.3 Raise the ladder access platform clear of the ground and open the 2no attachment jaws (B) by turning the spoked handles (C) anti-clockwise on either side of the

ladder access platform.

- 2.4 Ensure the tops of the sheet piles are level.
- 2.5 Position the ladder access platform on the sheet piles and level the platform by adjusting the threaded legs (D). if the ground is soft or uneven use a suitable bearer.
- 2.6 Secure the ladder access platform to the piling sheets by closing the jaws (B) by turning the spoked handles (C) and finally tightening them by means of a lump hammer or similar.
- 2.7 The ladder access bar (E) and now be extended and pinned into place using pin (F).
- 2.8 Now fit edge protection to rest of the piling sheets as detailed in Section 3.
- 2.9 Position the ladder on the ladder bar (E) and lash through the styles to secure the ladder to the ladder bar (E).

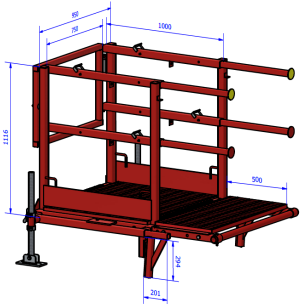
Ladder Access Platform – Removal

1. Reverse 2.1-2.9 above.

Important

1. Only one person should be on the ladder access platform or ladder at any one time.
2. The ladder access must be removed prior to extracting or moving the trench box.
3. Regularly check the tightness of the 2no attachment jaws (B).
4. Regularly check the security of the pin on the ladder bar (E).
5. Regularly check the lashings securing the ladder to the ladder bar.
6. Never use damaged or faulty equipment.

LADDER ACCESS - SHEET PILE



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