

Leading Safety Access Solutions



Ajax, supporting safer working environments for those working at height

Ajax safe access: Britain's leading safety access solutions

Introducing the range of safe access systems designed, engineered, manufactured and installed by the skilled experts at Canal Engineering Ltd.

Ajax, a division of Canal Engineering Ltd has a heritage of design innovation, quality metalwork manufacture and efficient installation.

Ajax have developed an extensive range of products to support safer working environments. Our barriers, gates, platforms, and step units have a proven track record for being easy to operate, and the superior quality of our products ensures a long working life cycle.

Safety in the workplace is of the utmost importance and the Ajax range works in compliance with Working at Height Regulations 2005 and Safety of Machinery BS EN ISO 14122-3:2016.

Ajax understands the challenges you face and provides you with the experience and technical proficiency you need to deliver a custom made access solution.



Certificate No. 13953

ISO 9001

ISO 14001

ISO 45001

Contents



Bespoke Manufacture
[page 4-5]



Mobile Step Unit
[page 6-7]



Step Access Systems
[page 8-9]



Gantries, Walkways & Platforms
[page 10-11]



Rollover Barriers
[page 14-15]



Swing Arm Barriers
[page 16-17]



Bridging Platforms
[page 18-19]



Case Studies
[page 20-21]

High quality fabrication ensures high performance and durability

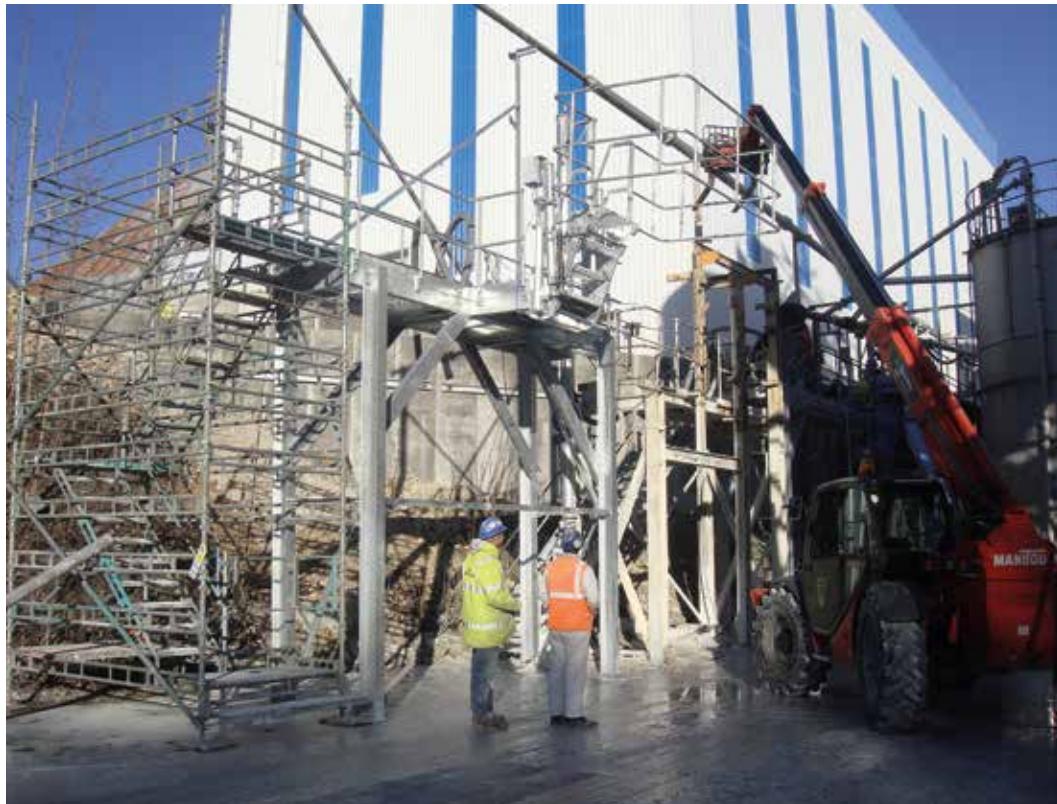
Bespoke metalwork fabrication

Our UK manufacturing operation combines time honoured skills with the latest modern manufacturing techniques to ensure customers receive the highest quality metalwork solutions. All design, manufacture and installation is completed in-house by our skilled team of designers and engineers.

The standard range of Ajax solutions is complemented by the ability to customise any of our standard products or to design site or performance specific solutions to suit non-standard operations. These can be manufactured from specific materials to suit specialist environments and industries including the pharmaceutical, nuclear, petrochemical and food industries.

Creating bespoke solutions

Specialist technical design managers are available to assist clients in creating a bespoke access system. As part of our services, we offer full technical CAD drawings and advice on solutions to suit all working environments and industries.



Installation on-site of bespoke stair and walkway with step access unit.



All hand welding is carried out by our team of highly skilled fabricators

Technical support

Ajax can offer comprehensive technical advice to support client needs on all standard or bespoke systems, ranging from detailed drawings, technical datasheets, site surveys, budget advice through to on-site technical training.

On-site support

Ajax has a dedicated project management team in place to meet client needs, the specialist team will be on hand to ensure successful installation.

Ajax Righthite Mobile Step Unit

Mobile step unit

A highly manoeuvrable step unit ideal for gaining safe access for tanker loading and high level vehicle maintenance applications.

The unit is also available with outriggers.

Technical specification

All units are manufactured and constructed to the highest quality for long lasting performance and to provide many years of maintenance free operation in harsh environments.

- › Designed in compliance with BS5395:Part 3
- › Galvanised mild steel to BS729 with powder coated aluminium cage
- › Full wrap around cage for optimum safety
- › Height adjustable by mechanical hand winch
- › Lockable & swivelling rubber wheels
- › Adjustable ladder with safety rails and non slip rungs

Adjustment & Clearance (standard unit)

- › Minimum tanker access height 3500mm
- › Maximum tanker access height 4500mm
- › Fully adjustable in 250mm increments

Finishes

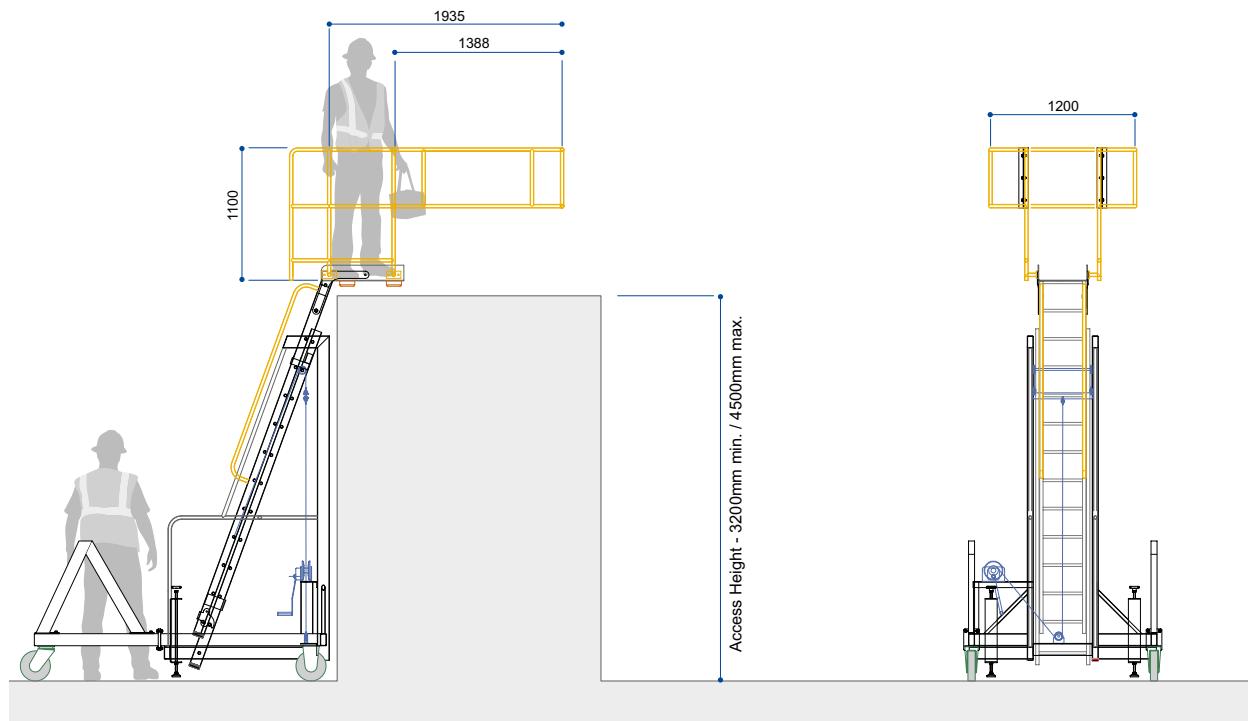
Powder coated cage is supplied as standard in yellow (**BS 08E51**).

Other BS or RAL colours available to order.



Standard counterbalanced unit

Unit Dimensions (mm)	Width	1625
Cage Dimensions (mm)	Length	2426
Platform Dimensions (mm)	Width	1200
	Length	2265
	Height	1100
Duty Rating	Width	400
Max. Vertical Static Load	Length	698
Class 1 Ladder		✓



Standard counterbalanced step platform

Ajax Righthite Step Access System

Step access unit

Suitable for all rail and road tanker loading and platform access, the Righthite step access unit is available in a range of standard sizes to suit many height variations.

Technical specification

All units are manufactured and constructed to the highest quality for long lasting performance and to provide many years of maintenance free operation in harsh environments.

- › Designed in compliance with ATEX 95 equipment directive 95/9/EC concerning the supply and use of equipment in potentially explosive atmospheres
- › Galvanised mild steel to BS729 for long lasting durability in harsh environments
- › Can be made to raise up to the working height or lower down to the working height
- › Available with Pneumatic operation or with manual hydraulic operation of the step unit
- › Variable step widths (see table)



Options

The following options are available:

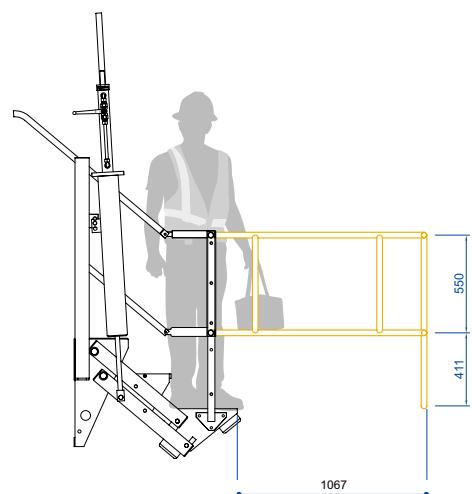
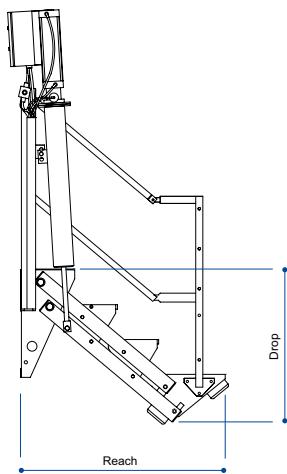
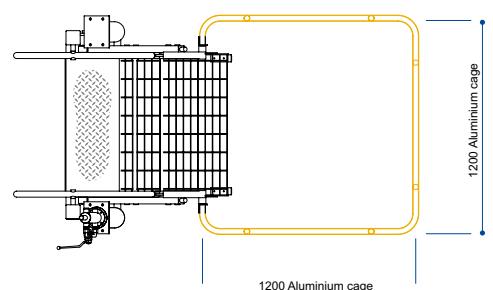
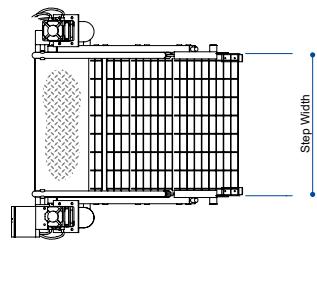
- › Safety cage in galvanised steel or powder coated aluminium
- › Hydraulic parking lock (hydraulic units only) to stabilise the unit in any position.

Step access units

		MK2	MK3	MK4	MK5	MK6*	MK7*
Unit Dimensions	Drop	481	677	874	1070	1280	1490
Cage Dimensions	Reach	685	919	1152	1386	1619	1853
Step Widths	Width	1200	1200	1200	1200	1200	1200
	Length	1200	1200	1200	1200	1200	1200
	Height**	550	550	550	550	550	550
	800mm	✓	✓	✓	✓	✓	✓
	1000mm	✓	✓	✓	✓	✓	✓
	1200mm	✓	✓	✓	✓	✓	✓
	1500mm					✓	✓

* For Pneumatic systems only

** Safety cages are generally designed to individual needs



MK4 Pneumatic systems with 800mm step width

MK3 Manual hydraulic system with optional cage

Ajax Gantry, Walkways and Platforms

Associated steelwork fabrications

Along with the standard products and bespoke access systems, Ajax also has the ability to fabricate bespoke stairs and bespoke access platforms for your site.

Whether you require a stairway to your Folding Step Unit or you require bespoke stairs to your new platform, Ajax is able to provide the full service; eliminating the need for extra suppliers.

Complete turnkey solutions

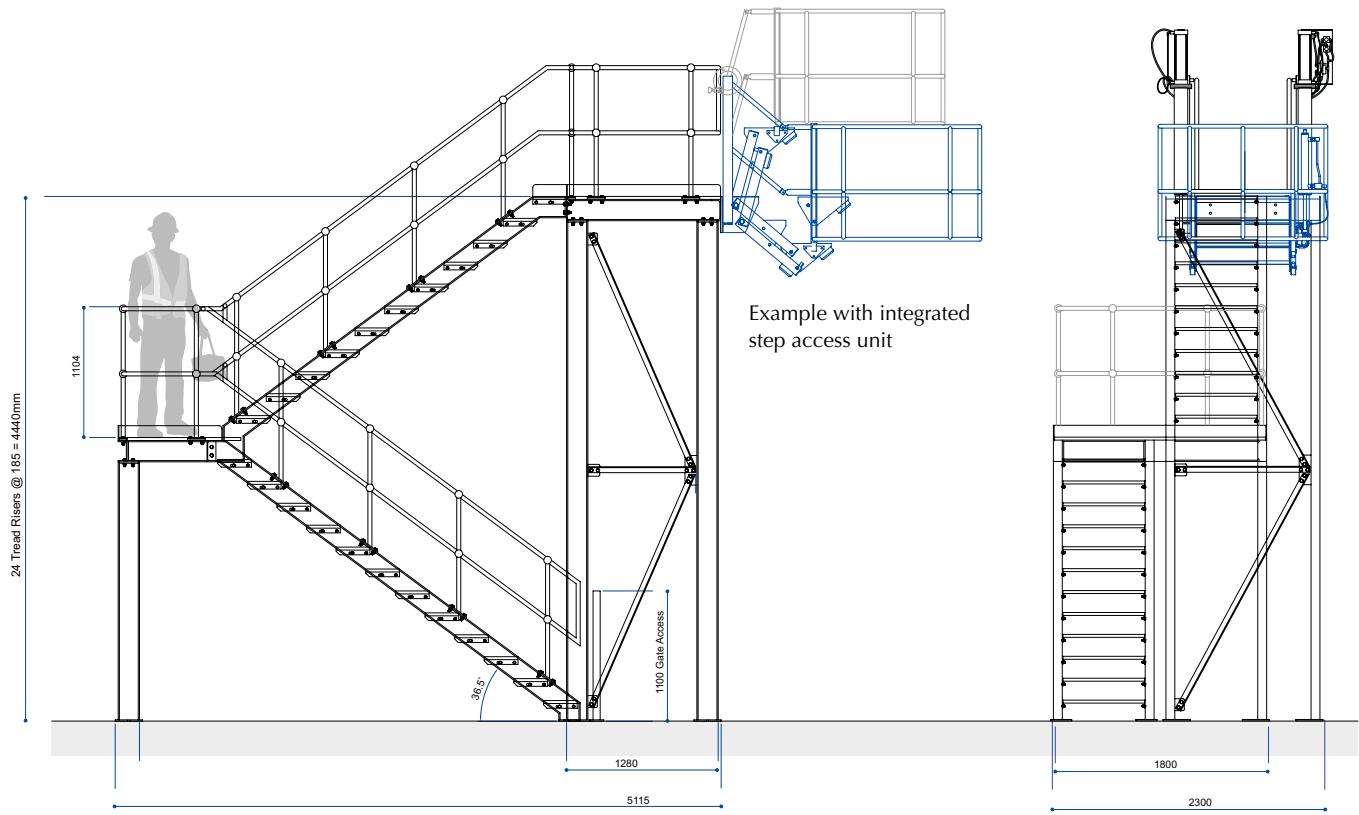
Ajax can provide bespoke solutions on a supply only basis to your specifications or a complete turnkey solution from initial site visit and survey through a complete CAD design process to fabrication, testing, installation and staff training.

Our solutions can incorporate any of the standard Ajax access products shown on the previous pages and these can be integrated with additional safety and operational features including:

- › Pneumatic or hydraulic control for a more efficient and easier operation
- › Incorporation of fail-safe features
- › Interlocks for added safety and driver control
- › Automatic locking devices
- › Tilt and folding features

In addition, Ajax can provide a full annual inspection and maintenance programme if required to ensure continued operational safety and to maximise the lifespan of your Ajax access system.





Bulk Loading Solutions

Safe access for loading, checking and maintenance
of road or rail vehicles.

See pages 6 -11





Warehouse Type Solutions

Working safely at height within a storage,
manufacturing or distribution type facility

See pages 14 - 19

Ajax Rollover Pallet Gates

Rollover barrier protection

The Ajax rollover pallet gate is our most popular model. Durable and easy to operate, the gate only uses half the space of the load in its closed position. It is ideally suited to applications where pallets need to be unloaded in situ.

Technical specification

All units are manufactured and constructed to the highest quality for long lasting performance and to provide many years of maintenance free operation in harsh environments.

- › Manufactured in mild steel with a powder coated finish, or galvanised to BS 729
- › Spring assisted manual operation
- › Minimum clearance height required for safe operation is 2530mm for our standard gate
- › Available in single or double width to suit standard EURO pallet sizes
- › Also available as a mini barrier with a load capacity of 1200 x 900
- › Stainless steel grade 304 or 316 options are available

Finishes

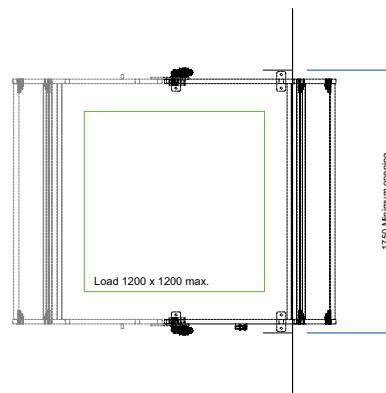
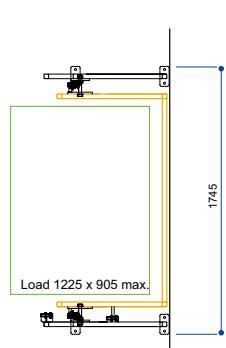
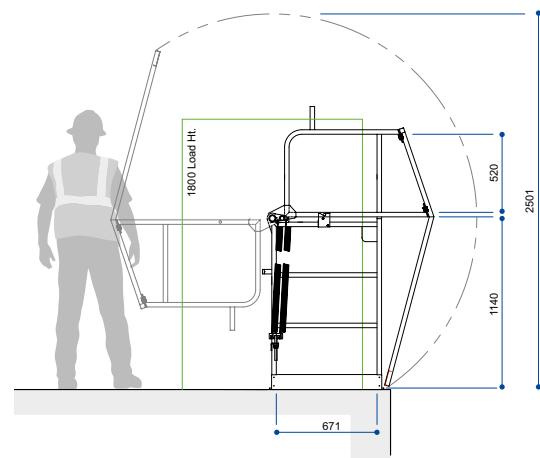
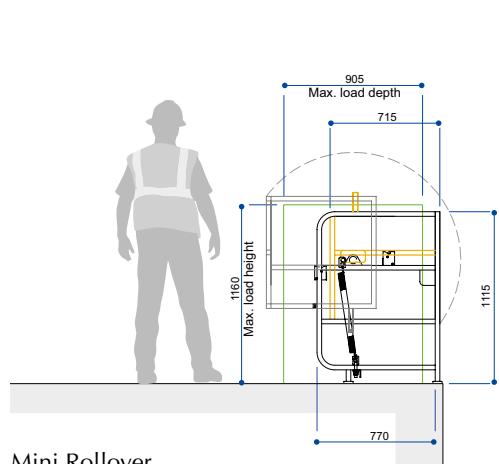
Powder coated barrier is supplied as standard in yellow (**BS 08E51**).

Other BS or RAL colours available to order.



Standard rollover pallet gates

Dimensions (mm)		Single	Double	Mini
Unit Dimensions	Width	1730	2930	874
	Depth	760	760	1152
	Height	2530	2530	
Max. Load Dimensions	Width	1200	2400	1200
	Depth	1200	1200	1200
	Height	1800	1800	550



Ajax Swing Pallet Gates

Swing barrier protection

The Ajax swing pallet gate is a well established model. Durable and easy to operate, a simple design using counterbalance with no springs.

Technical specification

All units are manufactured and constructed to the highest quality for long lasting performance and to provide many years of maintenance free operation in harsh environments.

- › Manufactured in mild steel with a powder coated finish, or galvanised to BS 729
- › Counterbalanced system is operated manually
- › Minimum clearance height required for safe operation is 2200mm
- › Available in single or double width to suit standard EURO pallet sizes
- › Suitable for maximum load height of 1800mm
- › Locked in position by spring loaded latch
- › Stainless steel grade 304 or 316 options



Finishes

Powder coated barrier is supplied as standard in yellow (**BS 08E51**).

Other BS or RAL colours available to order.

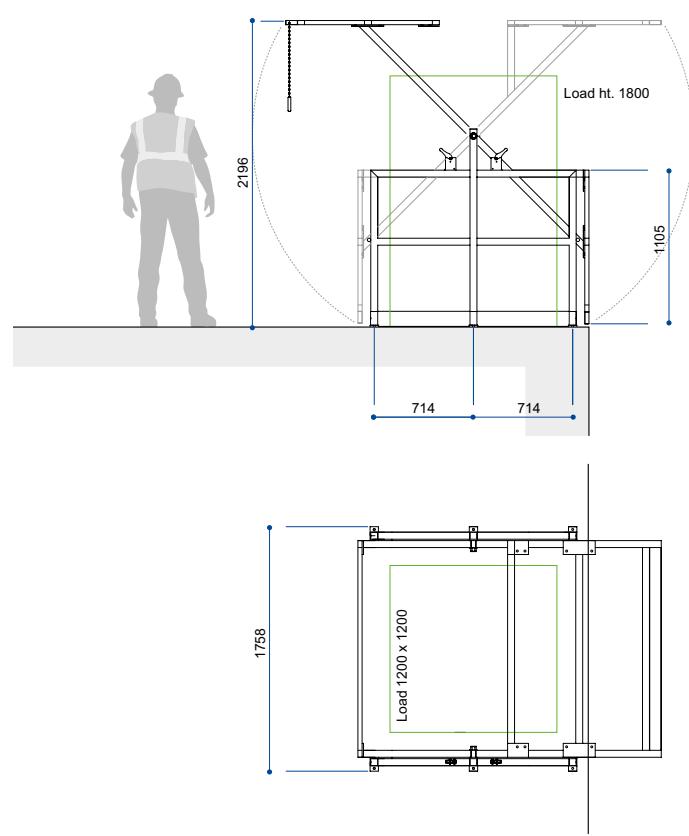


Standard swing pallet gates

	Dimensions (mm)	Single	Double
Unit Dimensions	Width	1730	2930
	Depth	1480	1480
	Height	2200	2200
Max. Load Dimensions	Width	1200	2400
	Depth	1200	1200
	Height	1800	1800



Swing arm pallet gate showing optional infill panel



Ajax Droprite Bridging Platforms

Bridging platforms

A series of manually operated platforms used extensively in warehouse loading docks and in distribution centres for access and easy loading of goods.

Not suitable for fork lift trucks or pallet trucks. They are designed specifically for lightweight baskets and trollies.

Technical specification

All units are manufactured and constructed to the highest quality for long lasting performance and to provide many years of maintenance free operation in harsh environments.

- › Hot dipped galvanised body
- › Aluminium treadplate decking
- › Gas strut assisted manual operation
- › Optional fixed or folding handrails
- › Designed to accommodate varying height load beds
- › Footlock secures the unit in the closed position
- › Available in varying widths



Finishes

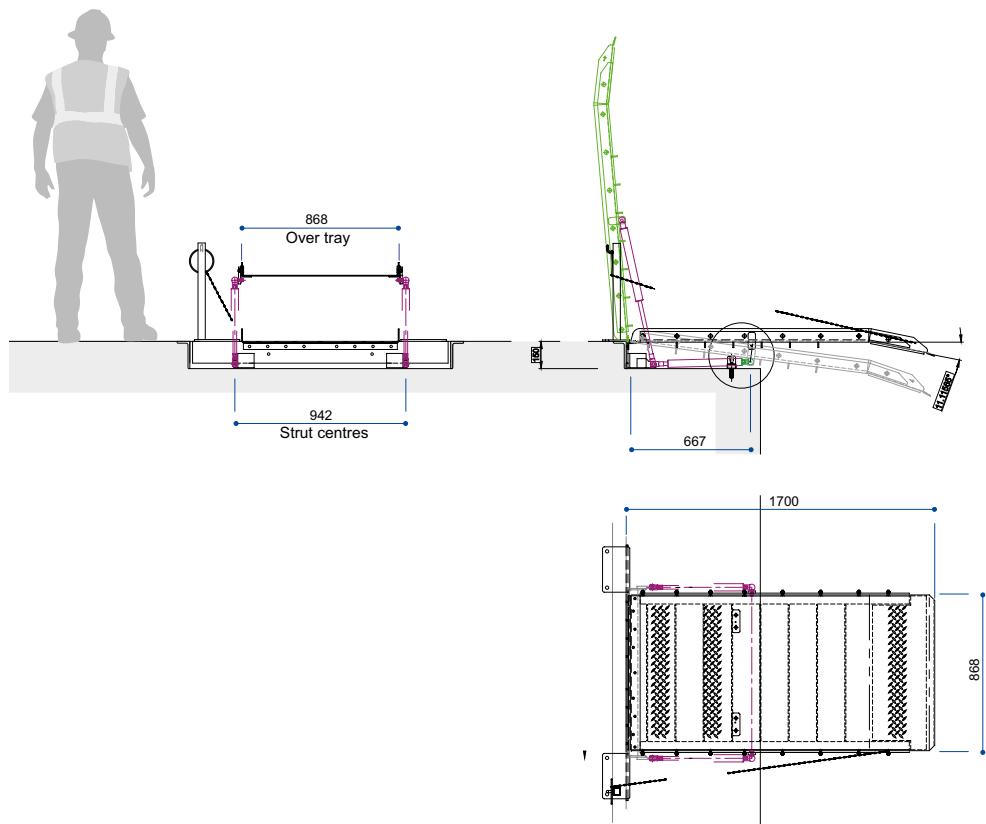
Galvanised steel construction with mill finish aluminium treadplate deck.

Powder coated finishes available on request.

Standard bridging platforms

Dimensions (mm)

Unit Dimensions	Width	600 - 1000	1000-1500	1500 - 2000
Min. Reach		750	750	750
Max. Reach		2000	1500	1000
Max. Load	Width	tbc	tbc	tbc



Case Study - Mineral & Chemical Processing



The Requirement

Ajax were approached by a global producer and distributor of minerals to provide a safe access system for their employees working at height. The client required a durable access system that was easy to operate and required little maintenance, whilst providing a safer working environment.

Ajax Solution

Ajax arranged a site visit with the client to survey the location and current safety concerns. The Ajax technical advisor suggested the most effective solution was to install a pneumatic step unit mark 3 with the latest Camozzi control system to access numerous height variations. As part of the specification 800mm wide treads and a bespoke safety cage were added to remove the risk of falls when loading and unloading at height. In addition, Ajax also installed a bespoke access platform and gantry. The unit was supplied in mild steel and hot dip galvanised to provide protection against rust; ideal for outdoor environments.

The client was pleased with the outcome as it enabled employees to work both safely and efficiently at height. Ajax understood the challenges the client faced and provided the experience and technical proficiency to deliver a custom made access solution.

Case Study - Tanker Inspection & Loading



The Requirement

Ajax were approached by a leading waste management company to provide a safe access system for their employees. The client needed an access system that enabled tanker access for inspection and loading; the system needed to be easy to operate, durable and addressed working at height safety concerns.



Ajax Solution

Ajax arranged a number of site visits to inspect and survey the site and to fully understand the client needs. The Ajax technical advisor suggested a pneumatic step unit was the ideal solution for tanker access. To eliminate the risks of falls a bespoke safety cage was added on top as well as handrails from the top fixed step to the last moving step.

The Ajax project management team provided full installation of the unit including access stair and gantry, staff training as well as offering full annual inspection and maintenance.

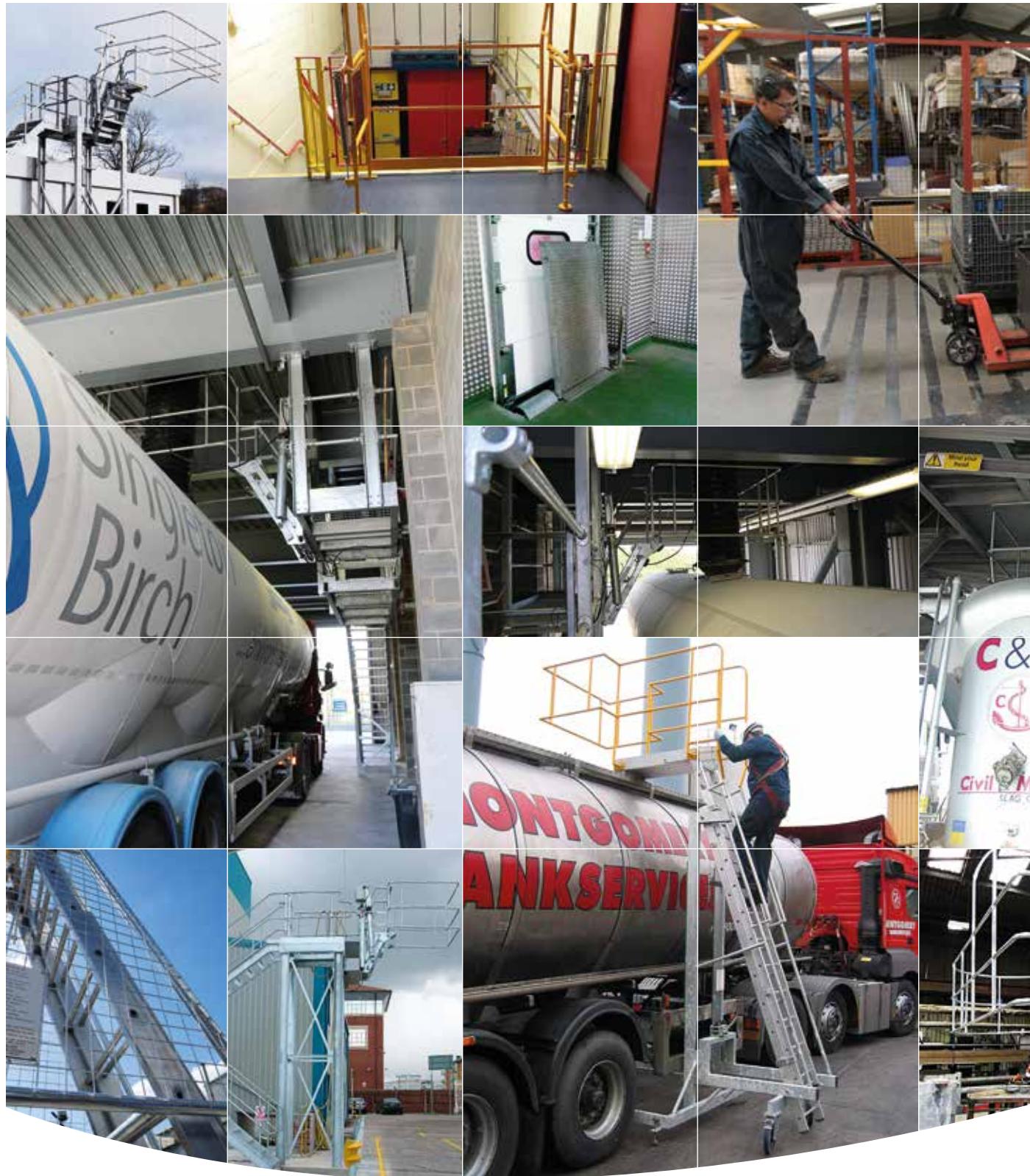
'I'm very happy with the project; it has increased our safety profile in an area neglected in the design of the plant.'

**Stewart Buckingham - Operations Manager,
FCC Environment**

'The Ajax team delivered a successful installation that has improved safety at Lincoln EFW greatly but also operated safely themselves. They reacted well to challenges that sprang up during the install and should be commended for that.'

**Blair Ward - Graduate Management Trainee,
FCC Environment**

Tried and trusted access solutions





For more information on our safe access solutions please go to:
www.ajax.eu.com

Or contact us now.

T: +44 (0)115 986 6321

E: ajax@canalengineering.co.uk

AJAX

Safe Access

Canal Engineering Limited
Lenton Lane, Nottingham NG7 2PQ
T: 0115 986 6321
E: ajax@canalengineering.co.uk
www.ajax.eu.com

