

A little bit about US...

At Wrekin, we design, manufacture and supply specialist products for the civil engineering industry.

Our innovative approach to product design and commitment to quality and service has firmly established our position as a market leader in safety critical civil engineering solutions.

Wrekin are one of the UK's leading suppliers of ductile iron access covers and gully grates. Our 30 years of technical expertise and leadership have allowed us to develop a range of unique, innovative and patented products that give the specifier and contractor significant benefits.

In parallel with our ductile iron products we also design, manufacture and supply a full range of steel access covers, from pressed steel for domestic use, fabricated products for commercial and industrial use right the way through to highly specialised bespoke access systems for utilities.

Another significant area of our business is geosynthetic products, which play an integral role in the majority of building, civil and marine engineering projects. We offer geosynthetic solutions for ground stabilisation, reinforcement, erosion control, drainage, tree and grass protection and weed suppression.





Company overview

Over thirty years experience in the design and manufacture of access covers and general fabrications enables us to provide innovative solutions to meet our customer's needs.

We are committed to the production of quality products in all of our market sectors, from simple commodity designs through to bespoke specials. We believe that fitness for purpose is paramount and our designs consider not just the performance of the product after installation, but also how the products will be safely and easily installed.

From fast and accurate quotations through to the goods being delivered on time we are able to meet the levels of service required by our customers.

We hold substantial stocks of both finished product and raw material to support the needs of our customers, giving the best possible delivery service.

Our technical and design team constantly challenge our designs to ensure optimum performance of our products. We welcome discussions with our customers to develop new products and find solutions to their requirements.

Testimonials

Wrekin work closely with our suppliers building a strong relationship by providing quality products and professional customer service. Below are some comments from our suppliers.

"We have worked in partnership with Wrekin for many years, developing new products to suit our needs. The relationships are very important to us, as they enable us to deliver excellent service for our customers. We look forward to continuing to work with Wrekin for many years to come."

Caroline Chapman

Procurement Business Partner - Wholesale Water



"BSI is pleased to confirm Wrekin Products as the first company to achieve the coveted BSI Kitemark to BS EN124:2015, the standard for gully tops and manhole tops for vehicular and pedestrian use. Through initial type testing and assessment of their production processes, Wrekin have demonstrated their commitment to the consistent manufacture of products which comply to BS EN124:2015. Unique to BSI, the BSI Kitemark is recognised globally as an independent mark of quality, safety and trust."

Grahame Wackett

Construction Products Group Manager



"Highlighting its reputation as an influential supplier of innovative solutions in civil engineering, Wrekin Products is listed in the London Stock Exchange's '1000 Companies to Inspire Britain' report. The report, published in 2016, recognises the UK's most forward-thinking and successful small to medium enterprises."

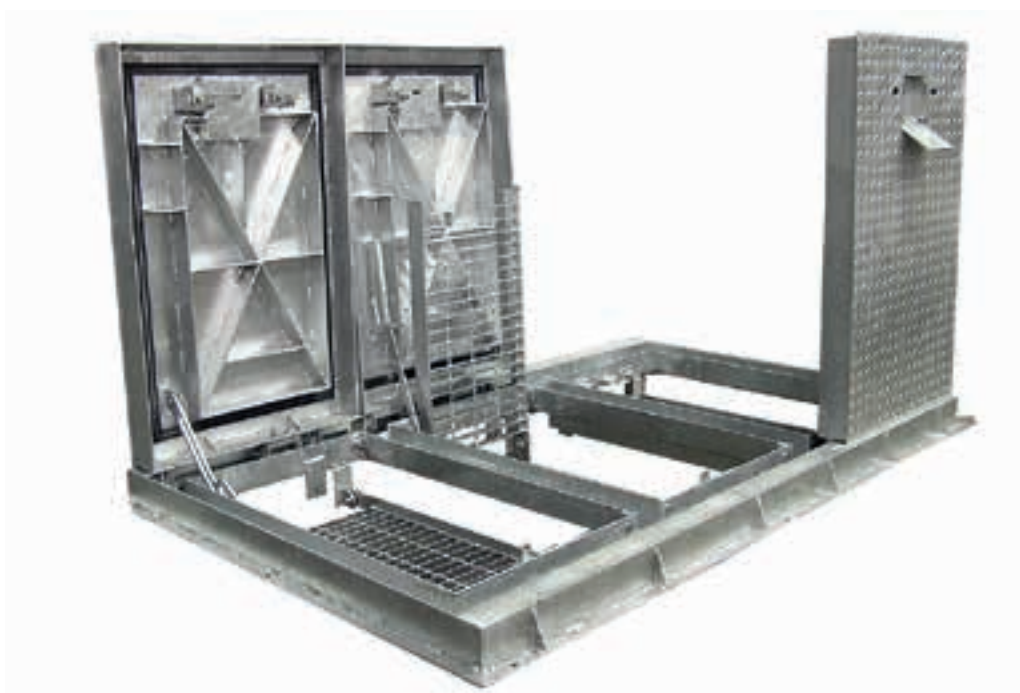
London Stock Exchange Group

1000 Companies to Inspire Report 2016



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Introduction

Why Choose Us?

- **Design and innovation** - working with our clients/partners to provide effective and practical access solutions
- **Product quality** - fitness for purpose and in-service performance with no compromises
- **Health & safety** - safe handling, safe installation and safe operation in service is at the forefront of our designs
- **Experience** - we have a proven track record to give our clients confidence in our abilities
- **Service** - we deliver on time



Our Markets

Wrekin Products has established a reputation as a supplier of quality products in each of our target markets:

- Water Utilities
- Power
- Defence
- Rail
- Building





LOADING TABLE

ICON	WREKIN LOADING CODE	SLOW MOVING WHEEL LOAD
	K	0.6
	L	1.5
	M	2.5
	N	5.0
	P	6.5
	X	11.5

Quality Assurance

All of our products are designed and manufactured under an ISO 9001:2008 Quality Management System.



Handling & Installation

We pride ourselves not only in the performance of our products, but also the consideration given to the safe handling and ease of installation for our customers.

Subject to specification, our designs can incorporate:

- Robust frames to aid level and accurate installation.
- Integral beam housings for ease of beam installation.
- Beam lifting lugs to provide safe installation and safe removal of the support beams
- Supporting frameworks to allow crane positioning.
- Palletisation methods to suit customer requirements for machine unload.
- Multiple leaf products are assembled and then disassembled into sections and marked to assist installation.

Galvanic Coating Options

Wrekin 70

Hot dip galvanised to BS EN ISO 1461 – giving a coating thickness of 70 microns, offered as a standard coating where corrosion resistance is required. Available on all mild steel products.

Wrekin 100

Hot dip galvanised to BS EN ISO 1461 with coating thickness increased to 100 microns, offered as an improved coating for harsh environments such as wet wells. Available by request on Superior and Elite range products.

Wrekin 140

Hot dip galvanised to BS EN ISO 1461 with coating thickness increased to 140 microns, offered as an improved coating for harsh environments such as wet well and coastal regions. Elite range products available on request.

Solid Top Access Covers

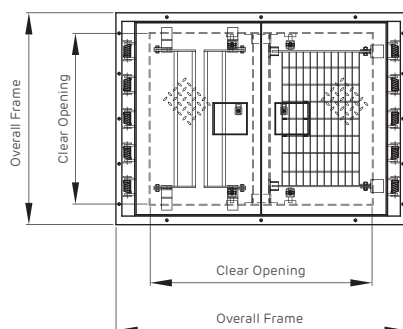
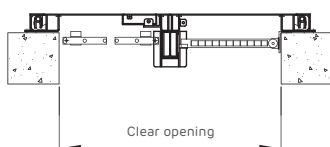
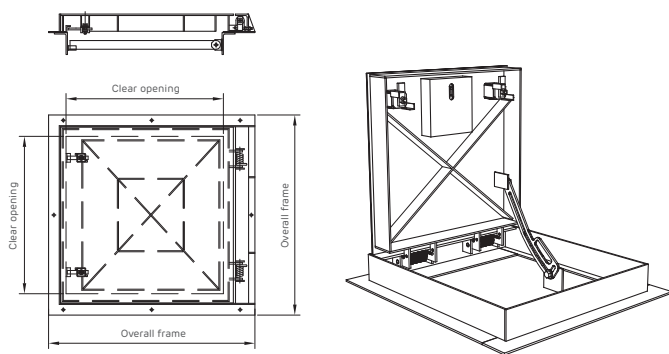
Elite Range - Hidden Hinge, Spring Assisted Lift

Product Overview

The 'Elite' range of hidden hinge, spring assisted lift access covers are available to suit a wide range of opening and load classes. The products are designed with strength, security and safety in mind. Hidden hinges and concealed padlock positions provide a deterrent to unauthorised entry.

Spring assisted lift ensures single person operation when lifting, whilst precision setting of the springs allows controlled closure.

All of our products are manufactured from heavy gauge rolled mild steel and galvanised to BS EN ISO 1461 after fabrication to produce robust products ensuring longevity in service.

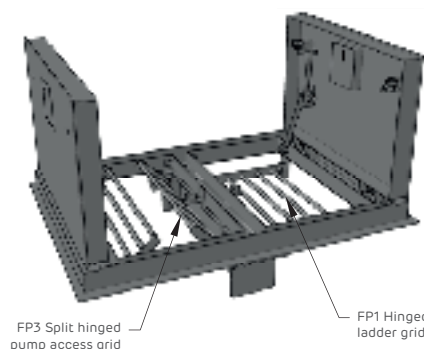


Standard Features

- Hidden hinges
- Safety staybar
- Spring assisted lift
- Controlled closure
- Lockanlift devices
- Recessed hasp and staple
- Galvanised to BS EN ISO 1461
- Chequer plate lid

Options

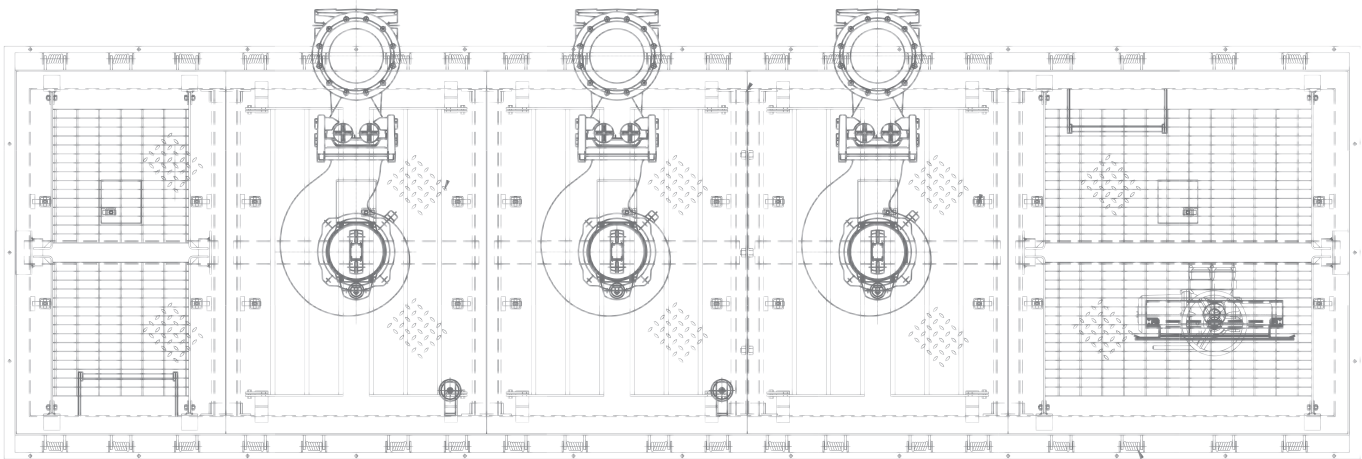
- Plain seated
- Sealed
- Fall protection (see table)
- Hinge orientation
- Multiple leaf
- Wall mounted or integral beam pockets
- Anti-skid coatings
- Beam lifting points
- Safety barrier systems
- Frame draining points
- 100/140 micron galvanised



LOADING INFORMATION		
WREKIN PART CODE	WREKIN LOADING CODE	SLOW MOVING WHEEL LOAD
C2SA	K	0.6
C2SA	L	1.5
C2SA	M	2.5
C2SA	N	5.0
C2SA	P	6.5
C2SA	X	11.5

FALL PROTECTION	
FALL PROTECTION OPTIONS	
Hinged ladder safety grid	FP1
Hinged walk on safety grid	FP2
Split hinged pump access grid	FP3
Split hinged pump access walk on grid	FP4

Orientation of Fall Protection systems need to be confirmed by client.



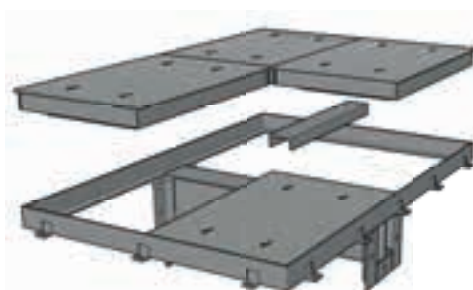
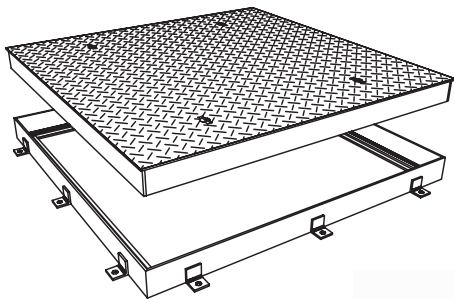
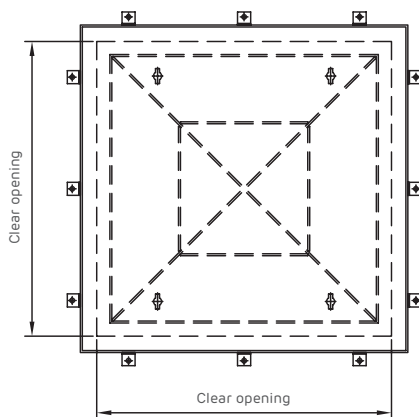
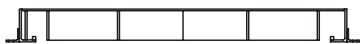
Bespoke products are manufactured following discussions with the client and the production of cad drawings for approval. Wrekin take great care to establish not only the performance criteria of the cover but also its working relationship with the systems in the chamber. To this end it is particularly vital to establish pump centre dimensions prior to submission of the final drawings.

Solid Top Access Covers

Elite Range - Deep Frame

Product Overview

The 'Elite' range of Solid Top Deep Frame access covers are available to suit a wide range of opening and load classes. The products are designed with strength and safety in mind. All of our products are manufactured from heavy gauge mild steel to produce robust products ensuring longevity in service. These covers are designed to give extended life under onerous conditions where a shallow frame product would prove insufficient.



Standard Features

- Galvanised to BS EN ISO 1461
- Deep robust frame 75mm or 100mm
- Chequer plate lid

Options

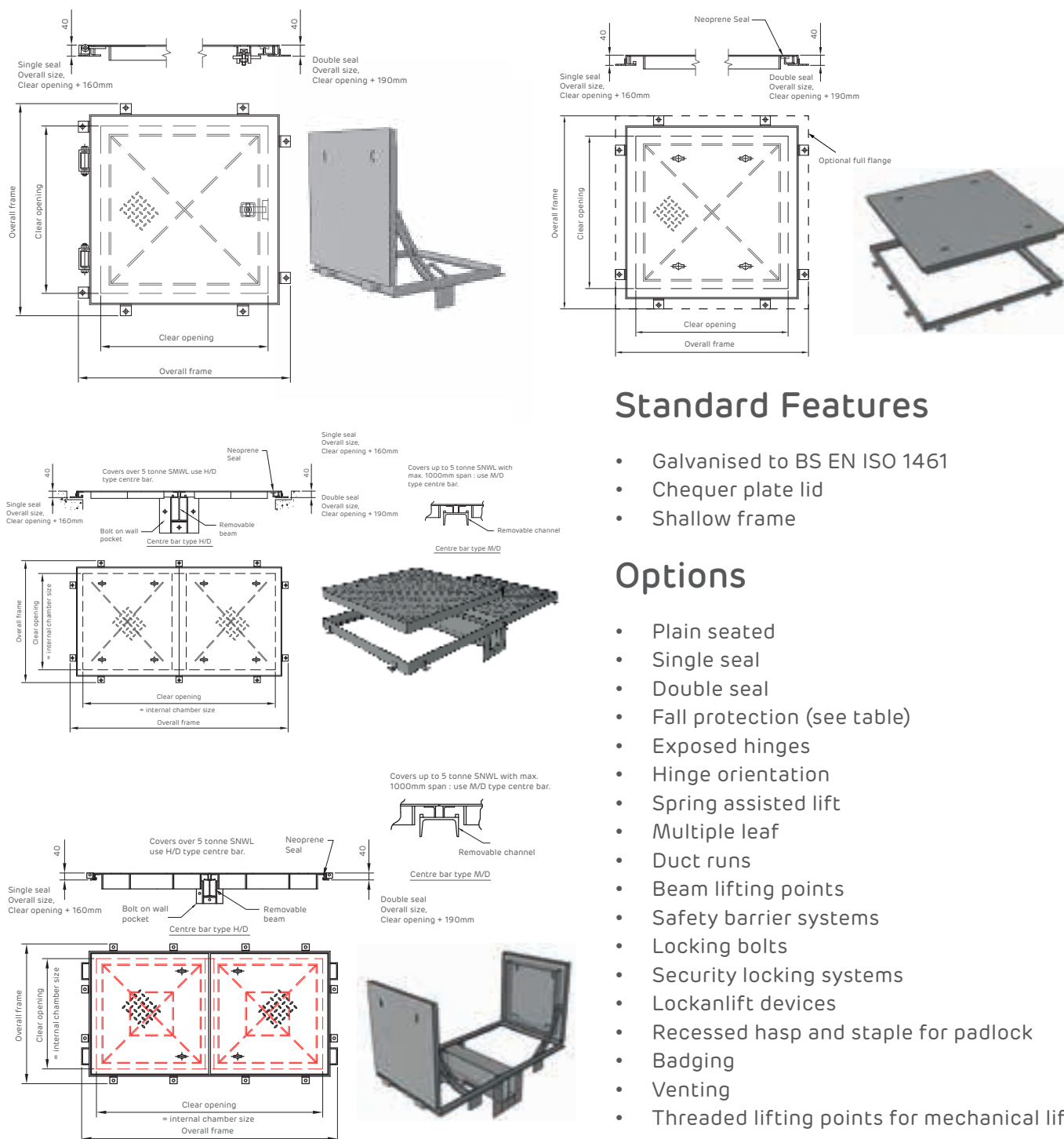
- Plain seated
- Single seal
- Double seal
- Multiple leaf
- Duct runs
- 75mm or 100mm deep frame
- External hinges
- Spring assisted lift
- Hinge orientation
- Locking bolts
- Security locking systems
- Lockanlift devices
- Recessed hasp and staple for padlock
- Badging
- Venting
- Wall mounted or integral beam pockets
- Threaded lifting points for mechanical lift
- Beam lifting points
- Safety barrier systems
- Anti-skid coatings

Solid Top Access Covers

Shallow Frame Products

Product Overview

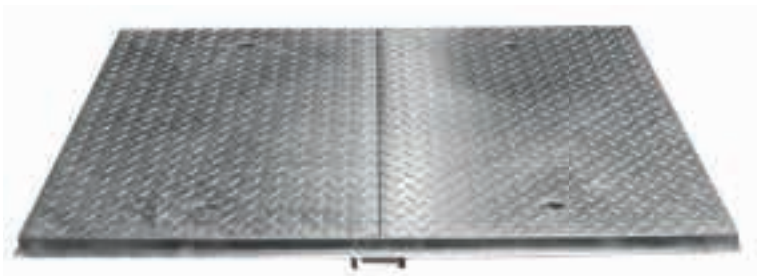
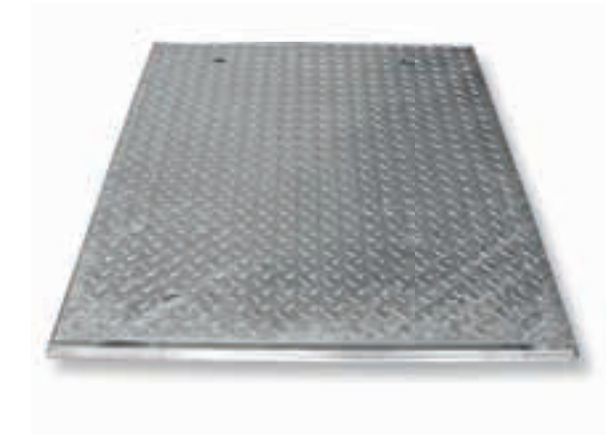
Solid Top Shallow Frame access covers are available to suit a wide range of opening and load classes. The products are designed with strength and safety in mind. All of our products are manufactured from heavy gauge mild steel to produce robust products ensuring longevity in service.



LOADING INFORMATION		
WREKIN PART CODE	WREKIN LOADING CODE	SLOW MOVING WHEEL LOAD
C21	K	0.6
C21	L	1.5
C21	M	2.5
C21	N	5.0
C21	P	6.5
C21	X	11.5

FALL PROTECTION	
FALL PROTECTION OPTIONS	
Hinged ladder safety grid	FP1
Hinged walk on safety grid	FP2
Split hinged pump access grid	FP3
Split hinged pump access walk on grid	FP4
Drop-in bar grid	FP5
Drop-in walk on grid	FP6

Orientation of Fall Protection systems need to be confirmed by client



Upright Access Covers and Frames

High Security

Product Overview

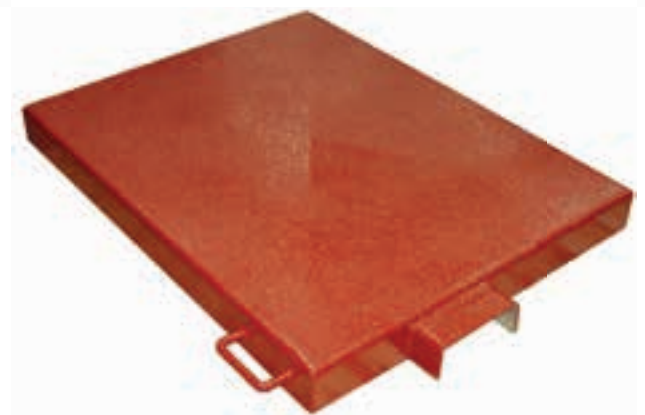
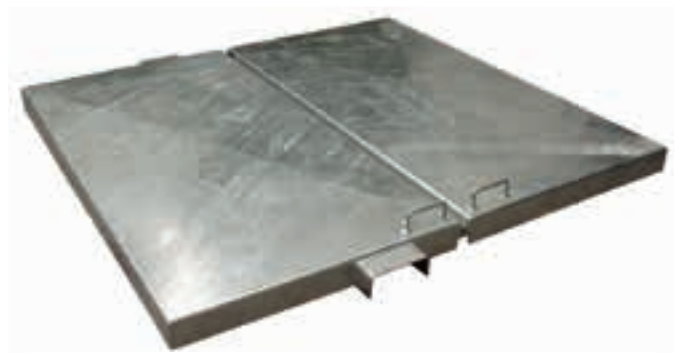
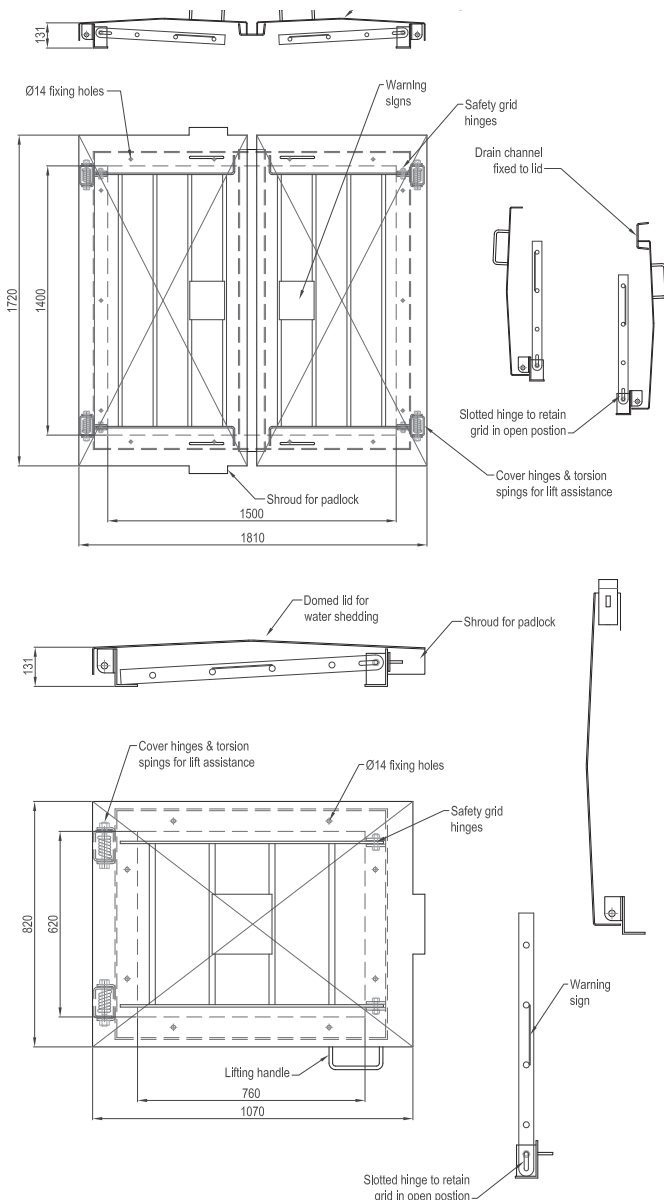
High security upright access covers are available to suit a wide range of openings. The products are designed with strength, security and safety in mind. Hidden hinges and shrouded hasp and staple to receive a padlock provide a deterrent to unauthorised entry. Spring assisted lift ensures single person operation when lifting whilst precision setting of the springs allows controlled closure. All of our products are manufactured from heavy gauge mild steel to produce robust products ensuring longevity in service.

Standard Features

- Hidden hinges
- Safety staybar
- Spring assisted lift
- Controlled closure
- Shrouded hasp and staple
- Galvanised to BS EN ISO 1461
- Domed lid
- Lifting handle

Options

- Plain seated
- Sealed
- Fall protection (see table)
- Hinge orientation
- Multiple leaf
- Anti skid coatings
- Safety barrier systems
- 100/140 micron galvanised
- Warning signs



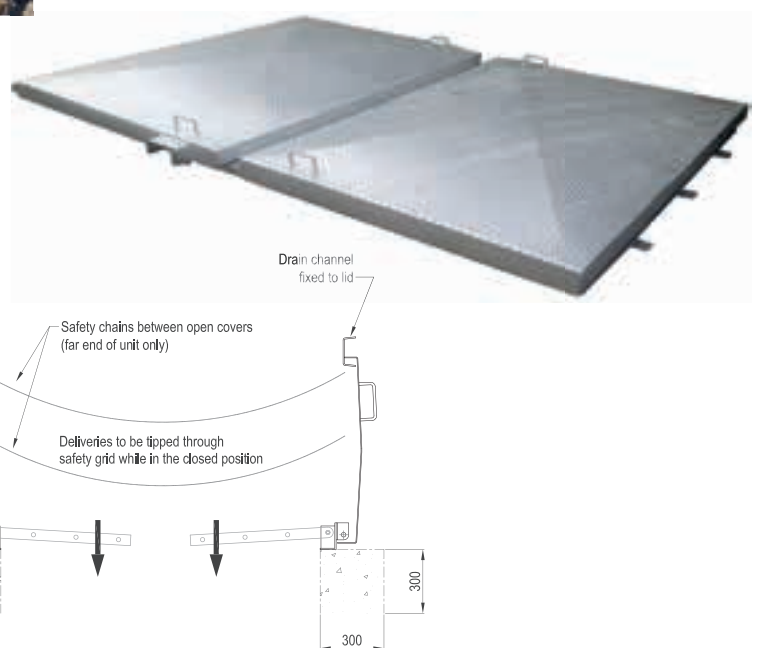
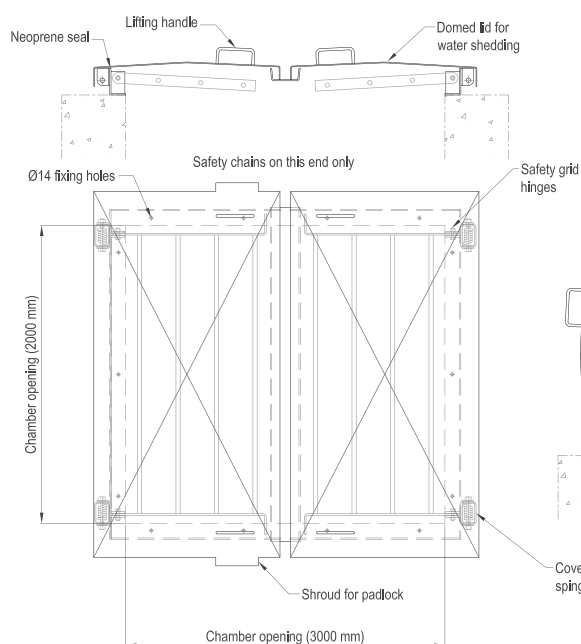
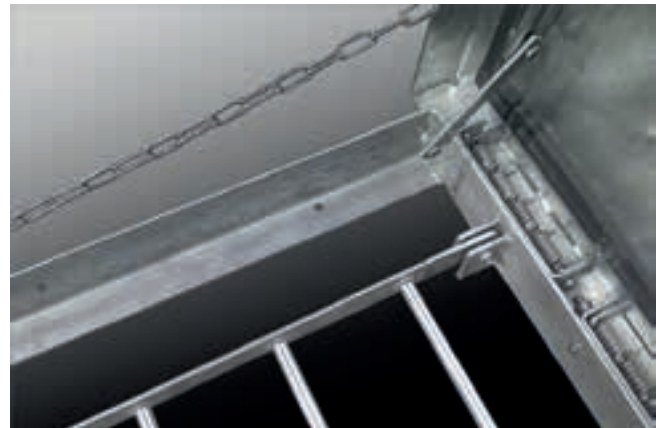
LOADING INFORMATION

WREKIN PART CODE	WREKIN LOADING CODE	SLOW MOVING WHEEL LOAD
C2SAU	K	0.6

FALL PROTECTION

FALL PROTECTION OPTIONS	
Hinged ladder safety grid	FP1
Hinged walk on safety grid	FP2
Split hinged pump access grid	FP3
Split hinged pump access walk on grid	FP4

Orientation of Fall Protection systems need to be confirmed by client



Recessed Access Covers & Frames

Spring Assisted Lift

Product Overview

Recessed spring assisted lift access covers are available to suit a wide range of opening and load classes. The products are specifically designed to provide unobtrusive access that matches the surrounding area. They are ideally suited for internal or external use where a concrete or tile infill is required. Assisted lift ensures single person operation when lifting whilst precision setting of the springs allows controlled closure. All of our products are manufactured from heavy gauge mild steel to produce robust products ensuring longevity in service.

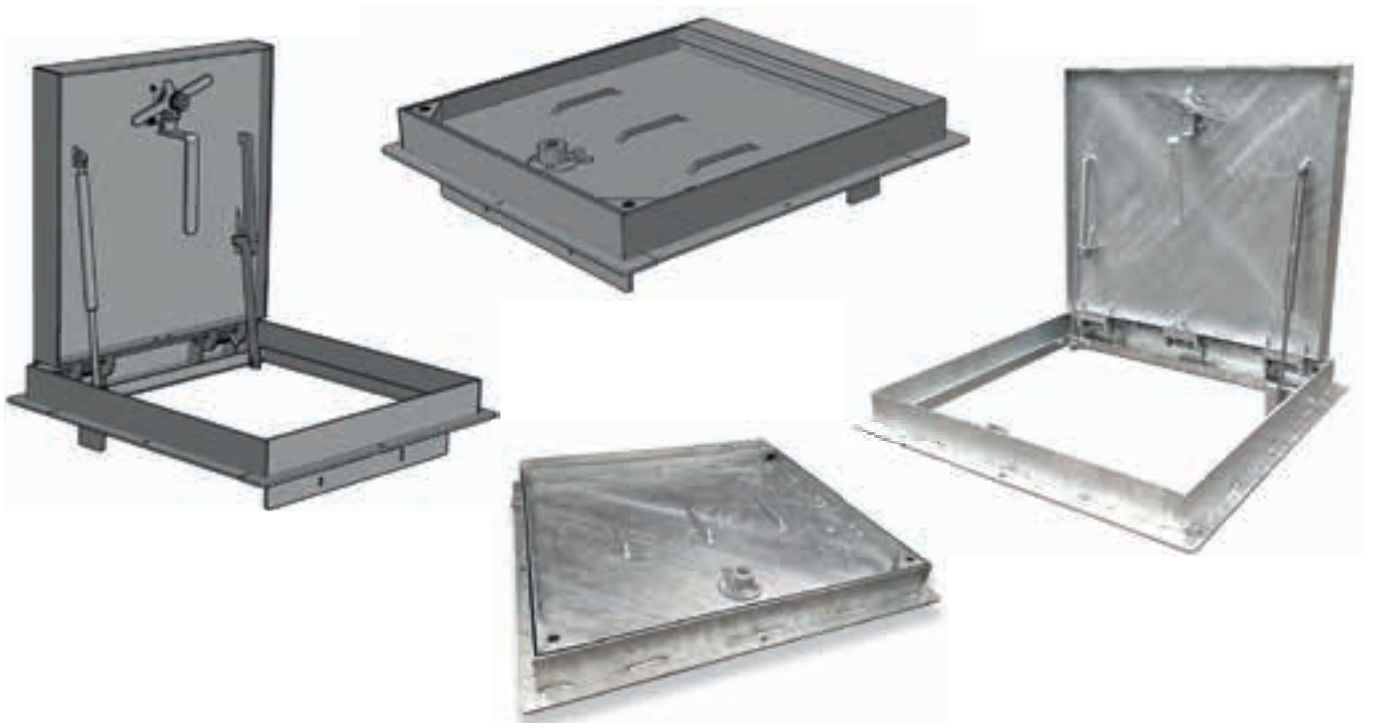
These diagrams and photographs show our emergency access covers and frames, opening from above using a conventional lockanlift device and from below using our emergency escape release mechanism. In this design a combination of both springs and gas struts is used to provide easy opening and controlled closure.

Standard Features

- Safety stay bar
- Spring assisted lift
- Concealed hinges
- Controlled closure
- Lockanlift devices
- Galvanised to BS EN ISO 1461

Options

- Plain seated
- Sealed
- Single seal
- Gas strut assisted lift
- Fall protection (see table)
- Hinge orientation
- Opening from below
- Multiple leaf
- Wall mounted or integral beam pockets
- Beam lifting points
- 100/140 micron galvanised

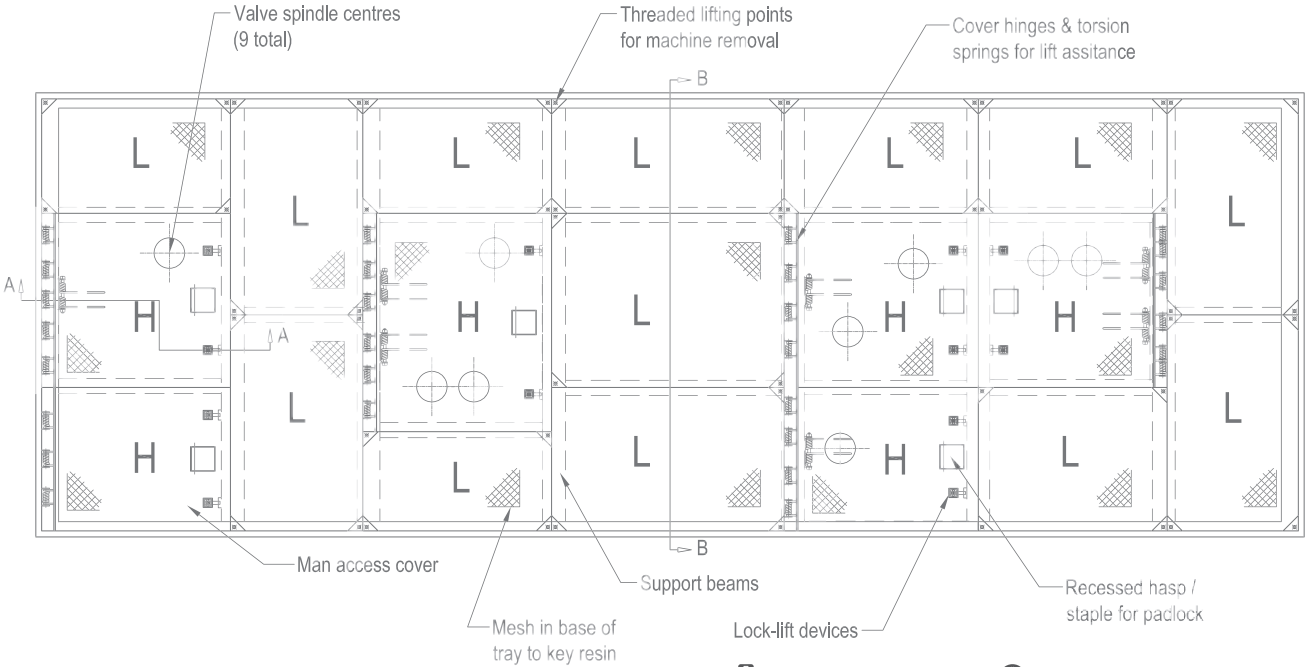
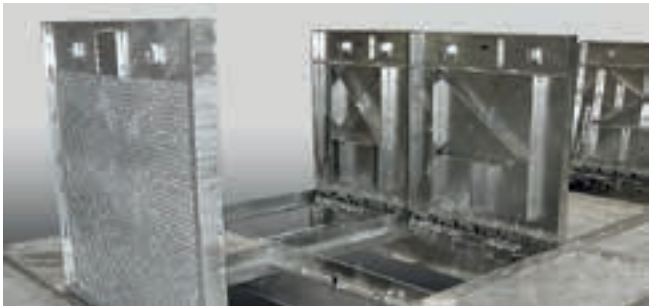


Bespoke products are manufactured following discussions with the client and the production of cad drawings for approval. We take great care to establish not only the performance criteria of the cover but also its working relationship with the systems in the chamber. To this end it is vital to establish particularly pump centre dimensions prior to submission of the final drawings.

LOADING INFORMATION		
WREKIN PART CODE	WREKIN LOADING CODE	SLOW MOVING WHEEL LOAD
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C2SAR	L	1.5
C2SAR	M	2.5
C2SAR	N	5.0
C2SAR	P	6.5
C2SAR	X	11.5

FALL PROTECTION	
FALL PROTECTION OPTIONS	
Hinged ladder safety grid	FP1
Hinged walk on safety grid	FP2
Split hinged pump access grid	FP3
Split hinged pump access walk on grid	FP4

Orientation of Fall Protection systems need to be confirmed by client



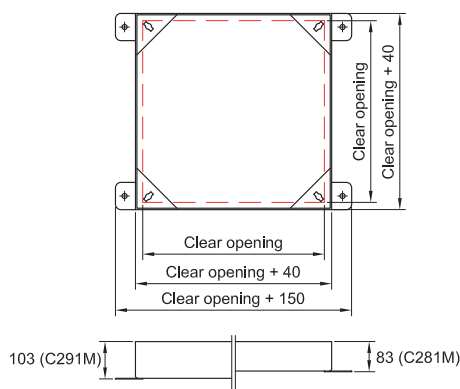
Recessed Block Pavior Infill Covers

Standard , Superior and Elite ranges

Standard Range Product Overview

2mm/3mm Material

Recessed covers and frames are available in a wide range of opening and load classes. The products are specifically designed for use in areas of block paving where it is desirable to have a continuity of surface finish and pattern.



Standard Features

- Galvanised to BS EN ISO 1461
- 2mm/3mm thickness material
- Plain seated (unsealed)

Options

- Depth of tray
- Square to round frames



LOADING INFORMATION		
WREKIN PART CODE	WREKIN LOADING CODE	SLOW MOVING WHEEL LOAD
C28 or C29	K	0.6
C28 or C29	L	1.5
C28 or C29	M	2.5
C29	N	5.0
C29	P	6.5
C29	X	11.5

C28 = 76mm tray depth, C29 = 96mm tray depth



* Lifting handle option available in a range of sizes.

Superior and Elite Product Overview

Superior Range - 4mm Material Elite Range - 6mm Material

Recessed covers and frames are available in a wide range of opening and load classes. The products are specifically designed for use in areas of block paving where it is desirable to have a continuity of surface finish and pattern. These products are manufactured from heavy gauge mild steel to produce robust products ensuring longevity in service.

Standard Features

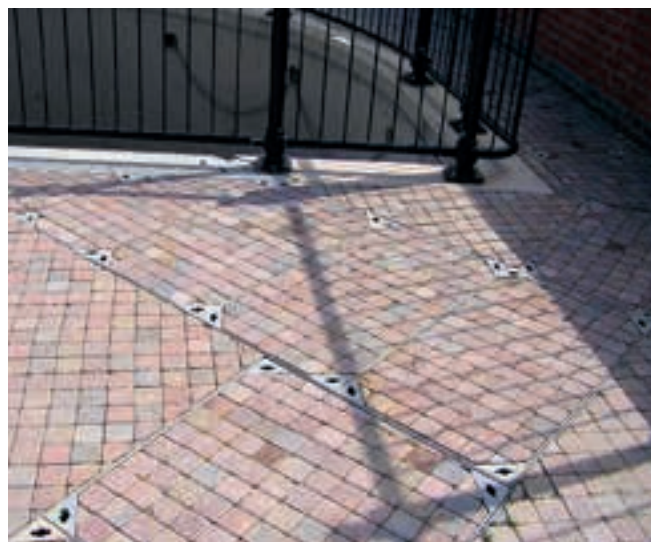
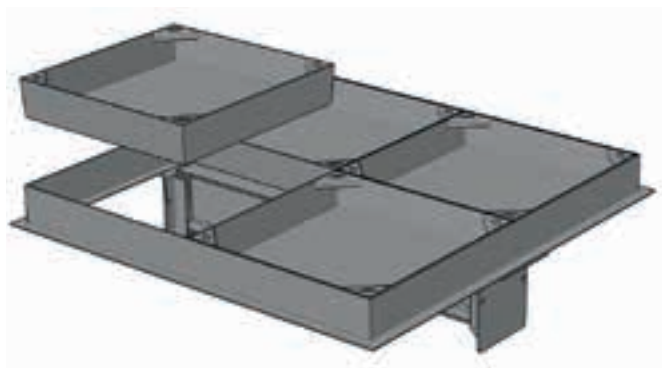
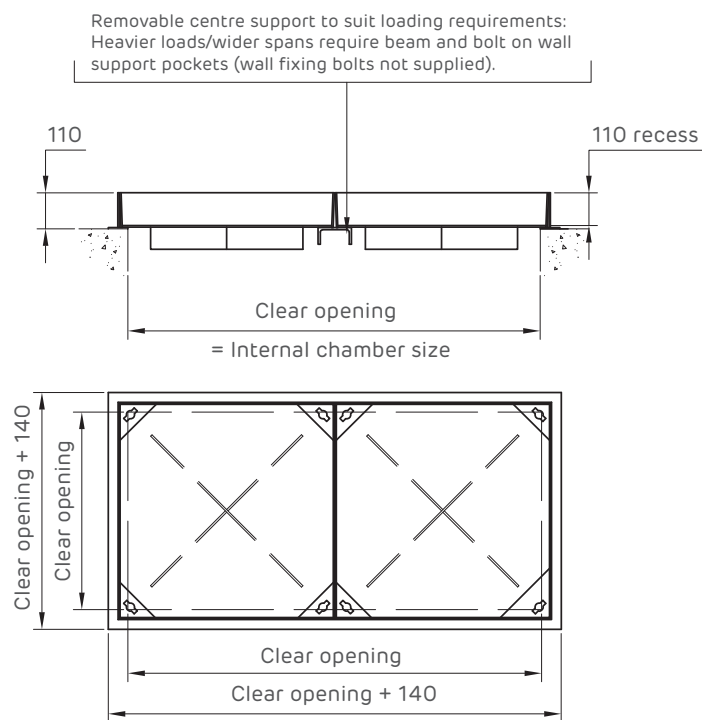
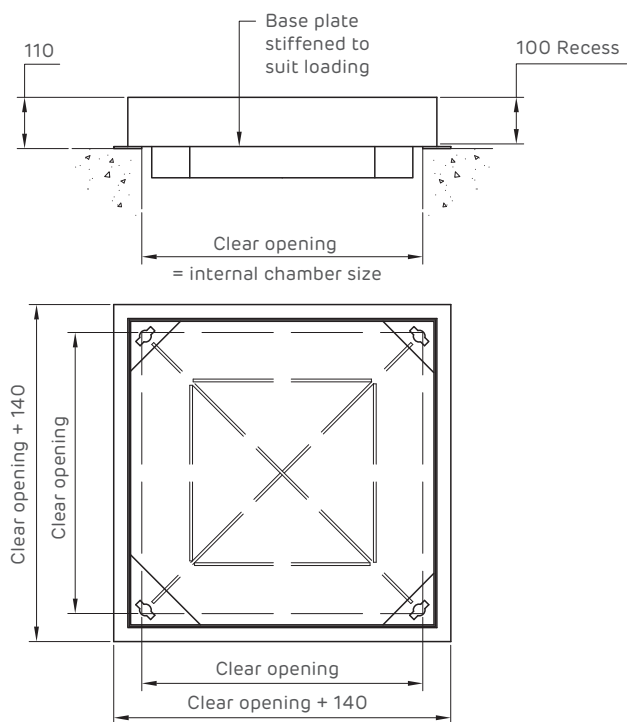
- Galvanised to BS EN ISO 1461
- 4mm thickness material (Superior)
- 6mm thickness material (Elite)
- Load class identification on corner lifting eye
- Plain seated (unsealed)

Options

- 100 tray depth
- Single seal
- Double seal
- Locking bolts
- Security locking systems
- Lockanlift devices
- Badging / service identification
- Venting
- Multiple leaf
- Duct runs
- Wall mounted or integral beam pockets
- Threaded lifting points for mechanical lift
- Beam lifting points
- Square to round frames

LOADING INFORMATION		
WREKIN PART CODE	WREKIN LOADING CODE	SLOW MOVING WHEEL LOAD
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C29	L	1.5
C29	M	2.5
C29	N	5.0
C29	P	6.5
C29	X	11.5

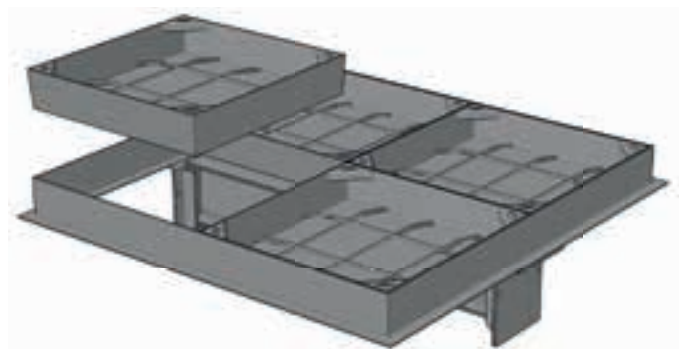
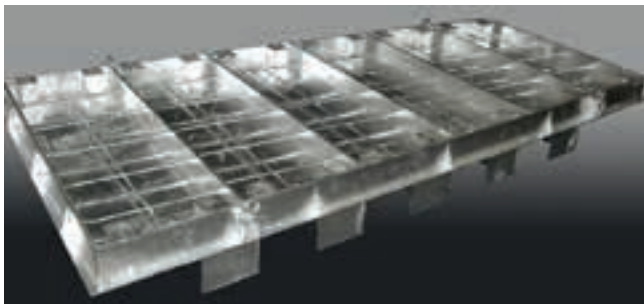
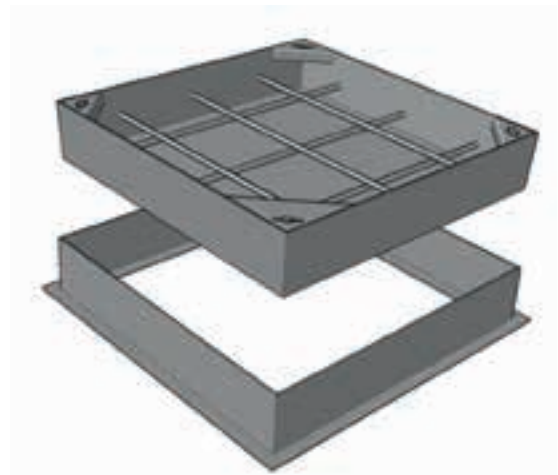
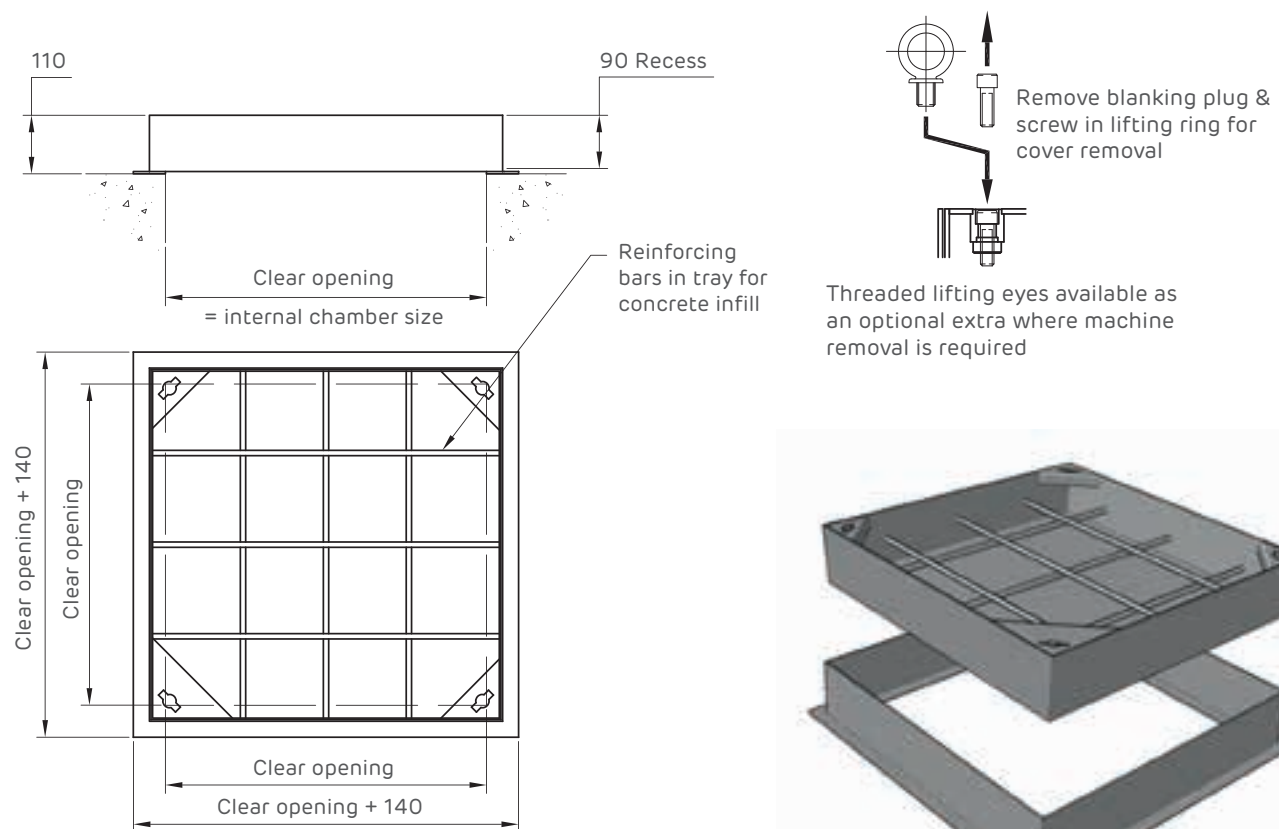
C29 = 100mm tray depth



Deep Recessed Access Covers For Screed Infill

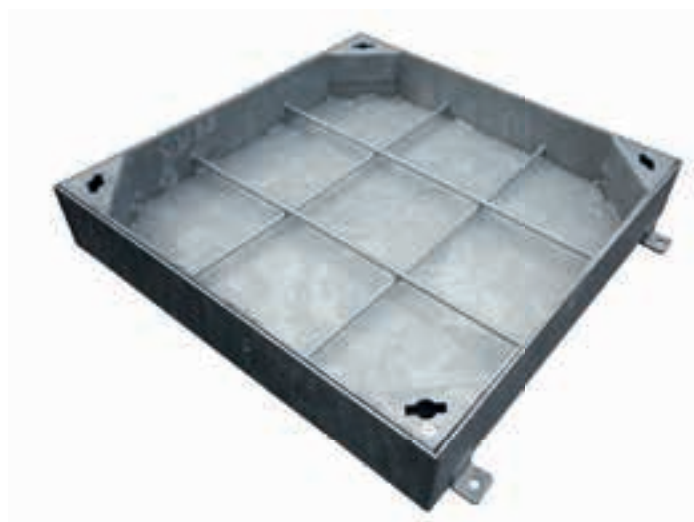
Product Overview

Superior Range (4mm material) and Elite Range (6mm material) recessed covers and frames for floor finish infill are available in a wide range of opening and load classes. The products are specifically designed to provide an unobtrusive access that matches the surrounding area. They are ideally suited for internal or external use where a floor finish infill is required. All of our products are manufactured from heavy gauge mild steel to produce robust products ensuring longevity in service.



LOADING INFORMATION

WREKIN PART CODE	WREKIN LOADING CODE	SLOW MOVING WHEEL LOAD
C29/TR	N	5.0
C29/TR	P	6.5
C29/TR	X	11.5



Standard Features

- Galvanised to BS EN ISO 1461
- 4mm thickness material (Superior)
- 6mm thickness material (Elite)
- Load class identification on corner lifting eye
- Plain seated (unsealed)
- 100mm tray depth
- Corner lifting eye

Options

- Single seal
- Double seal
- Neoprene seal
- Locking bolts
- Security locking systems
- Lockanlift devices
- Badging / service identification
- Venting
- Multiple leaf
- Duct runs
- Wall mounted or integral beam pockets
- Threaded lifting eyes for machine removal
- All stainless steel
- Stainless steel edge
- Depth of tray

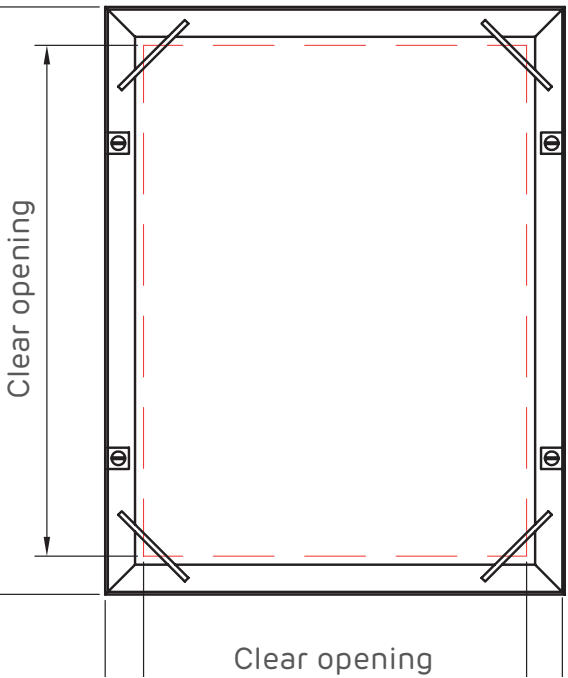
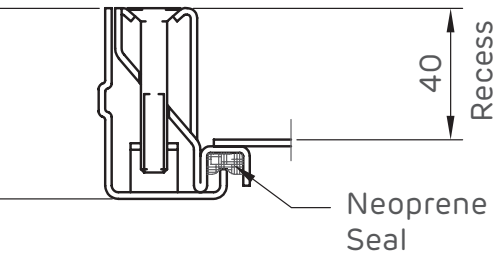


Shallow Recessed Covers

For Floor Finish Infill

Standard Range Product Overview

Standard Range recessed covers and frames for screed/tile infill are available in a wide range of opening and load classes. The products are specifically designed to provide an unobtrusive access that matches the surrounding area. They are ideally suited for internal or external use where a concrete or tile infill is required.



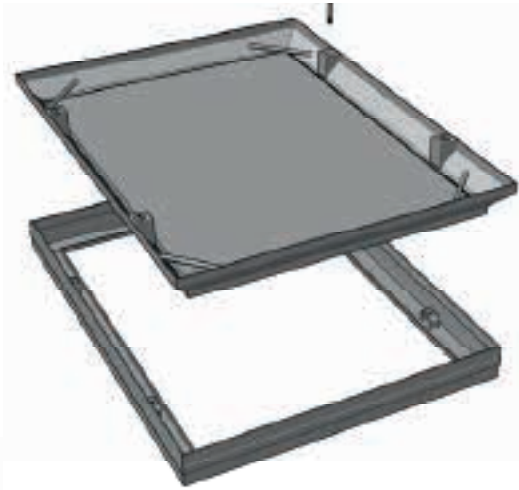
Standard Features

- Galvanised to BS EN ISO 1461
- Locking screws
- Neoprene sealed

Options

- Security locking systems

LOADING INFORMATION		
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C27	K	0.6
C27	L	1.5



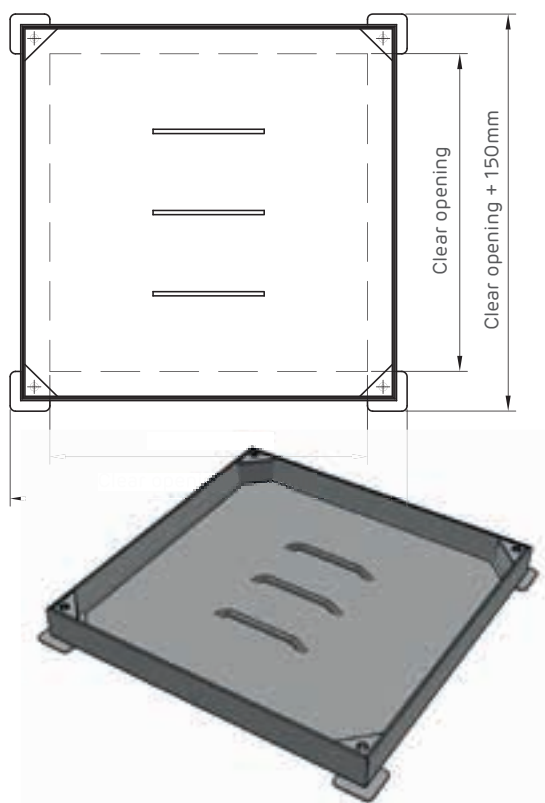
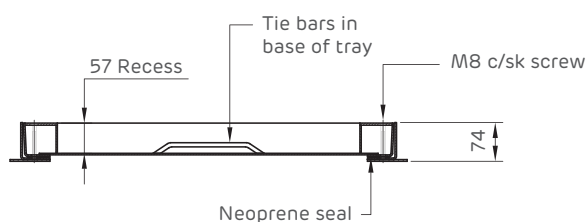
Superior and Elite Product Overview

Superior Range - 3mm Material

Elite Range - 6mm Material

Superior Range (3mm material) and Elite Range (6mm material) recessed covers and frames for screed/tile infill are available in a wide range of opening and load classes. The products are specifically designed to provide an unobtrusive access that matches the surrounding area. They are ideally suited for internal or external use where a concrete or tile infill is required.

All of our products are manufactured from heavy gauge mild steel to produce robust products ensuring longevity in service.



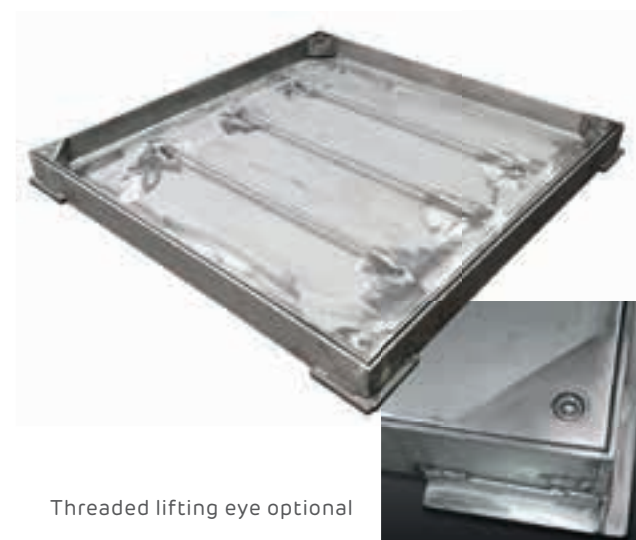
Standard Features

- Galvanised to BS EN ISO 1461
- 3mm thickness material (Superior)
- 6mm thickness material (Elite)
- Sealed with neoprene sealing strip
- Four locking screws
- Corner lifting eye

Options

- All stainless steel grades 304 or 316
- Stainless steel edge
- Security locking systems
- Badging / service identification
- Venting
- Multiple leaf
- Duct runs
- Wall mounted or integral beam pockets
- Threaded lifting points for mechanical removal

LOADING INFORMATION		
WREKIN PART CODE	WREKIN LOADING CODE	SLOW MOVING WHEEL LOAD
C27	N	5.0
C27	P	6.5



Access Ladders

Product Overview

Access Ladders manufactured to BS4211

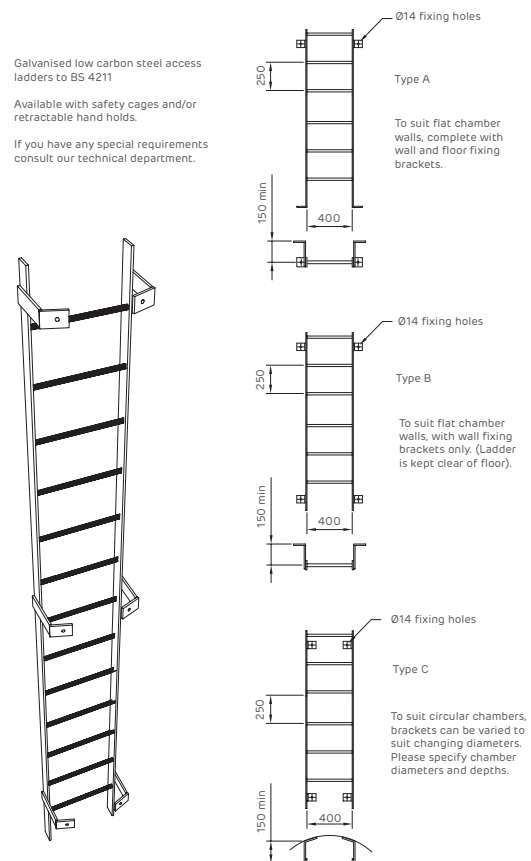


Standard Features

- 65mm x 10mm stringers
- 400mm width
- 20mm diameter rungs
- Rungs at 250mm centres
- Fixing holes drilled to accept M16 fixings
- Jointing over 4m

Options

- Galvanised mild steel
- Stainless steel grade 304
- Stainless steel grade 316
- Brackets manufactured to suit specific chambers
- Safety hoops
- Retractable handholds
- Galvanised fixings
- Stainless steel fixings
- Gap Filler and Walk Through facility
- EN 14396 - compliant CE marked ladders in composite or galvanised mild steel.



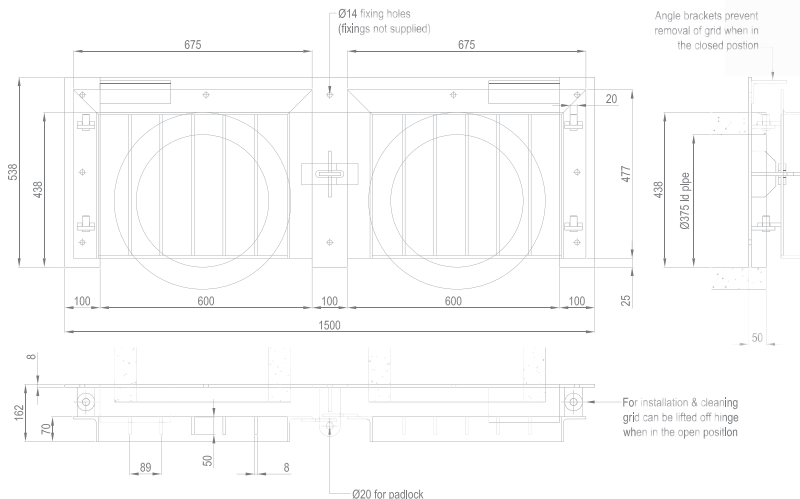
Headwall Grilles and Gratings

Product Overview

Manufactured to suit individual requirements

Options

- Galvanised mild steel
- Stainless steel grade 304
- Stainless steel grade 316
- Wall fixing
- Hinged with padlock facility



Safety Chains



Product Overview

Safety Chains and fixings are available to suit any chamber size.

Options

- Galvanised mild steel
- Stainless steel grade 316

Installation guide

Lifting keys

Installation Guide

General

All covers and frames are individually fitted, and fully assembled in our works prior to despatch. Except in the case of very large multiple units and long duct runs, covers and frames will be delivered in an assembled condition.

Covers and frames are not designed to be interchangeable. When covers are removed from their frames they must be returned to their original positions. This particularly applies to locking and multiple covers.

The framework should at no point overhang the chamber wall into the clear opening. Unsupported frames will lead to cover failure.

All supporting steel work (beams, centre bars etc.) must be in place before the covers are trafficked.

Single Units

After removing the cover, centralise the frame over the clear opening and shim to the correct height with suitable packing, ensuring that the frame is level. Particular care should be taken with the corners of the frames. Packing should be from hard and durable material, we recommend our UniPak™ system.

Try the cover into the frame and adjust the packing to take out any rock.

Once the frame is levelled it can be grouted in place.

If the cover is for concrete infill it can now be placed in the frame and filled. Care should be taken to minimise loose material entering the gap between cover and frame.

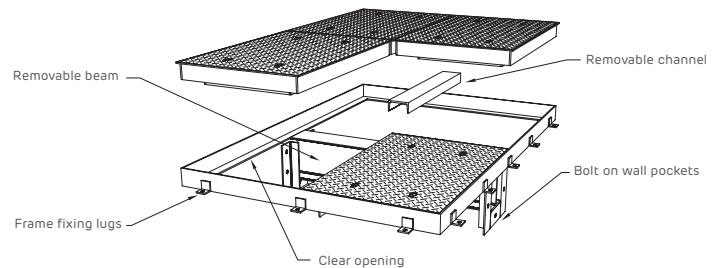
Bolts in locking covers must be in position prior to grouting. It is recommended however that bolts are not fully tightened until after the grout and infill has set.

Bolting down of framework (where holes are provided) is optional, but the use of fixing bolts is strongly recommended for hinge units.

Lifting Keys Lock & Lift Keys

Wrekin offer a range of lifting keys and associated products to provide locking and lifting options throughout our product range.

TYPICAL MULTIPLE COVER & FRAME INSTALLATION



Multiple Units

Beams in multiple covers are bolted to the frame work for transport and installation purposes. These bolts are not load bearing and bolt on wall pockets (supplied with cover) must be installed prior to trafficking.

Specialist advice should be sought before fixing bolt on wall pockets to brick or blockwork chambers.

Removable channels are located on steel lugs welded to the frame work and require no further support.

Once beams or channels have been removed from double seal covers a suitable mastic will be required on reassembly to ensure gas egress and water ingress resistance.

If frames are supplied in pieces due to their size they will need bolting together prior to grouting; fixing bolts and fish plates will be supplied. All individual items will be marked up to assist reassembly.



This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

Other products from Wrekin:



Wide Ironwork Range



Geogrid



UniPak



Asphalt Reinforcement Grids



Grass / Gravel Paving Systems



Woven & Non Woven Geotextiles



Geomembranes








Gabion Baskets



Geocomposite Drainage

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