



# HOWEGREEN

FLOOR ACCESS



© Crossrail Ltd.



**FLOOR ACCESS  
COVERS**



**FLOOR ACCESS  
DOORS**



**LADDERS**



**SAFETY  
PRODUCTS**

## FLOOR ACCESS SOLUTIONS

**SAFE ACCESS ALL AREAS**



Established in 1983, Howe Green is a leading supplier in the design and manufacture of premium quality, fabricated metal floor access covers, doors, panels and hatches and bespoke architectural metalwork.

### Safe Access All Areas

The Howe Green range provides building services professionals with an innovative, practical solution to resolve the problem of accessibility to concealed under-floor services - quickly, safely and cost effectively.

Howe Green is at the forefront of design and innovation in the highly specialised architectural building products sector supplying aluminium and stainless steel access covers for a range of applications to a diversity of customers.

Howe Green operates from a 67,000ft<sup>2</sup> state-of-the-art manufacturing and distribution site in the West Midlands. The company is part of the Access 360 division of Tyman UK and Ireland, alongside speciality access products manufacturers Bilco UK and Profab Access.

### WHY WORK WITH US?

#### Expertise

Our expertise manufacturing floor access covers has evolved from “hands-on” knowledge of working with terrazzo flooring. This practical experience has resulted in a real understanding of the constraints under which architects, designers, engineers and building services professionals have to work.

#### Quality

Quality remains at the heart of our manufacturing process. We use the best materials, invest in plant and equipment, continuously review and refine production processes, operate to strict quality guidelines and undertake rigorous in house and third party testing. Howe Green, Profab Access and Bilco UK are all ISO 9001 accredited companies.

#### Service

Design innovation, product quality, technical support and customer service are the essential elements of our service package. By focusing on providing flexibility in these key areas and following a “can-do” culture, we can fulfil customer requirements.

#### Values

Our business has been built on the traditional values of respect, trust and honesty. These values form the foundation for all the activities that we undertake.

#### Environment

As part of our sustainability strategy, we are committed to improving the environmental efficiency of both our operations and products. Howe Green is an ISO 14001 accredited company.



1. CHOOSE YOUR PRODUCT See Product Overview pages 6-9.

2. CHOOSE YOUR MATERIAL



#### Stainless Steel

Choose if performance, durability and aesthetics are key. Discrete show edges and choice of lifting points ensure that less of the cover is visible within the flooring. Nature of material allows for greater flexibility for producing deeper, bespoke covers.



#### Aluminium

Choose where the project budget is a consideration. Aluminium covers are available with a selection of different show edges. Perfect for use in terrazzo flooring where the cover will wear at the same rate as the stone.

3. CHOOSE YOUR COVER TYPE



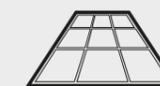
Single Cover



Double Cover



Duct Cover



Multipart Cover

Select cover configuration according to type, complexity and location of concealed services to be accessed. From a single unit to multipart covers which comprise a series of panels set into a larger frame.

4. STATE INTERNAL OPENING SIZE See Product Overview pages 6-9.

5. IS FIRE RATING REQUIRED? Yes/No.



6. COVER LIFTING POINTS (lift-out covers only)

#### Stainless steel covers



Standard

Inset

Barrel

#### Aluminium covers



Standard

Stainless steel covers are available in three lifting points:

**STANDARD** has 50mm<sup>2</sup> of metal visible in each corner.

**INSET** has less visibility.

**BARREL** has only the securing bolt and the barrel edge visible.

Please specify when ordering.

Aluminium covers are only available with **STANDARD** lifting points.

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# Product Overview

All access covers are made to measure to the minimum and maximum dimensions, in either direction, given below.  
Some covers are available in stock sizes for more urgent deliveries. Contact office for details.

## FLOOR ACCESS COVERS REQUIRING INFILL



**FIRE RATED**

**BS 476 Part 22**

HARD SURFACES	LOADING Bespoke loading available for most hatches. Contact office for details.	COVER TYPE	DEPTH		CLEAR INTERNAL OPENING		OVERALL FRAME SIZE		FIRE RATED
			A Overall Frame Depth	B Max. Floor Thickness	Minimum Dimensions	C Maximum Dimensions	Minimum Dimensions	D Maximum Dimensions	
<b>Solid Hardwood, Timber Strip and Heavy Duty Laminates</b>									
2500 Series - Stainless Steel	Light - Pedestrian	Single	25mm	22mm	100mm	Contact office	220mm	Contact office	-
<b>Ceramic Tiles, Marble, Terrazzo, Concrete, Resin, Parquet Floor</b>									
5000 Series - Aluminium	Light - Pedestrian	Single	50mm	18mm	100mm	750mm	220mm	870mm	-
		Duct	50mm	18mm	100mm span	600mm span	220mm	720mm span	-
		Multipart	50mm	18mm	As required	As required, any length	As required	As required, any length	-
5000 Series - Stainless Steel	Light - Pedestrian	Single	50mm	15mm	100mm	750mm	230mm	880mm	-
		Duct	50mm	15mm	100mm span	600mm span	230mm	730mm span	-
		Multipart	50mm	15mm	As required	As required, any length	As required	As required, any length	-
7500 Series - Aluminium	Medium - Cars up to 5 Tonnes	Single	75mm	32mm	100mm	900mm	220mm	1020mm	2 hours
		Duct	75mm	32mm	100mm span	900mm span	220mm	1020mm span	2 hours
		Multipart	75mm	32mm	As required	As required, any length	As required	As required, any length	2 hours
7500 Series - Stainless Steel	Medium - Cars up to 5 Tonnes	Single	75mm	40mm	100mm	900mm	230mm	1030mm	2 hours
		Duct	75mm	40mm	100mm span	900mm span	230mm	1030mm span	2 hours
		Multipart	75mm	40mm	As required	As required, any length	As required	As required, any length	2 hours
TER Series - Aluminium (hinged)	Light - Pedestrian	Single	89mm	25mm	610mm	1065mm	814mm	1269mm	-
		Double	89mm	25mm	1220mm	1830mm	1424mm	2034mm	-
HSE 75 Series - Aluminium (hinged)	Medium - up to 5 Tonnes	Single	75mm	32mm	550mm*	1000mm*	683mm	1133mm	-
		Duct	75mm	32mm	550mm* span	1000mm* span	683mm span	1133mm span	-
		Multipart	75mm	32mm	Contact office	Contact office	Contact office	Contact office	-
HSE 75 Series - Stainless Steel (hinged)	Medium - up to 5 Tonnes	Single	75mm	40mm	550mm*	1000mm*	697mm	1147mm	2 hours
		Duct	75mm	40mm	550mm* span	1000mm* span	697mm span	1147mm span	2 hours
		Multipart	75mm	40mm	Contact office	Contact office	Contact office	Contact office	2 hours
<b>All types of hard surfaces including External Grade Paving Slabs (i.e. Granite and Concrete)</b>					* Size does not include hardware obstructions				
1050 Series - Stainless Steel	Heavy - up to 6.5 Tonnes	Single	105mm	70mm	100mm	900mm	230mm	1030mm	2 hours
		Duct	105mm	70mm	100mm span	900mm span	230mm	1030mm span	2 hours
		Multipart	105mm	70mm	As required	As required, any length	As required	As required, any length	2 hours
<b>Tree Pit Covers</b>									
5000 Series - Aluminium - Stainless Steel	Light - Pedestrian	Tree Pit	50mm	20mm	100mm	750mm	230mm	870mm	-
			50mm	22mm	100mm	750mm	230mm	880mm	-
7500 Series - Aluminium - Stainless Steel	Medium - Cars up to 5 Tonnes	Tree Pit	75mm	32mm	100mm	900mm	230mm	1020mm	-
			75mm	40mm	100mm	900mm	230mm	1030mm	-
1050 Series - Stainless Steel	Heavy - up to 6.5 Tonnes	Tree Pit	105mm	70mm	100mm	900mm	230mm	1030mm	-
<b>FLEXIBLE SURFACES</b>									
<b>For all types of flexible flooring, Vinyl, Linoleum, Rubber, some Carpets</b>									
Visedge® Series - Aluminium	Light - Pedestrian	Single	50mm	2-4mm	150mm	1000-1200mm	237mm	1137-1337mm	-
		Duct	50mm	2-4mm	150mm span	1000mm span	237mm span any length	1137mm span any length	-
		Multipart	50mm	2-4mm	As required	As required	As required	As required	-

# Product Overview

## SOLID FLOOR ACCESS COVERS NO INFILL REQUIRED

HARD SURFACES	LOADING Bespoke loading available for most hatches. Contact office for details.	COVER TYPE	DEPTH		CLEAR INTERNAL OPENING		OVERALL FRAME SIZE		FIRE RATED BS 476 Part 22
			A Overall Frame Depth	B Max. Floor Thickness	Minimum Dimensions	Maximum Dimensions	Minimum Dimensions	Maximum Dimensions	
JFR Fire Doors - Stainless Steel	Light - Pedestrian	Single	89mm	-	610mm	1830mm	826mm	2046mm	1 hour
5 Bar Series Tread Plate - Aluminium	Light - Pedestrian	Single Duct	50mm 50mm	- -	150mm 150mm clear span	1000mm 1000mm span, any length	287mm 287mm span	1137mm 1137mm span, any length	- -
J-AL Drainage Doors - Aluminium	Light - Pedestrian	Single Double	89mm 89mm	- -	610mm 760mm	1220mm 1830mm	762mm 912mm	1370mm 1982mm	- -
J-AL H20 Drainage Doors - Aluminium	Heavy - up to 14.5 Tonnes	Single Double	89mm 89mm	- -	610mm 760mm	1065mm 1830mm	762mm 1014mm	1319mm 2084mm	- -

## SPECIAL APPLICATIONS

We can provide solutions to many unique and special applications. Please contact office to discuss any unusual requirements you may have.

## CHANNEL DRAIN SOLUTIONS

Most types of finish in changing rooms, shower areas, spas, kitchens, laboratories, veterinary surgeries etc.

HG100 - Stainless Steel (Light - Pedestrian).

HG200 - Stainless Steel (Consult office for details).

## EDGE TRIMMINGS

### HARD AND FLEXIBLE SURFACES

#### VISEGE® DS SERIES

Aluminium trim to secure and protect the edge of vinyl/linoleum flooring when laid on top of another surface, such as ceramic tiles. It is used to securely anchor the perimeter of the flexible flooring.

#### VISEGE® VR SERIES

A vinyl edge securing trim with a weldable PVC edge, enabling two differing floor finishes (eg vinyl and terrazzo) to be finished flush. It prevents the ingress of water and protects the edge profile of the adjoining flooring.

Visedge® DS and VR Series Edge Trims - Packs of 5 (2m lengths).

## FIXED VERTICAL LADDERS

All Ladders: 488mm wide in standard lengths between 2m and 6m. Special sizes available on request.

TYPE BL	Aluminium	No safety cage.
TYPE BL-WH	Aluminium	Safety cage.
TYPE BL-WG	Aluminium	Safety cage and guardrail.

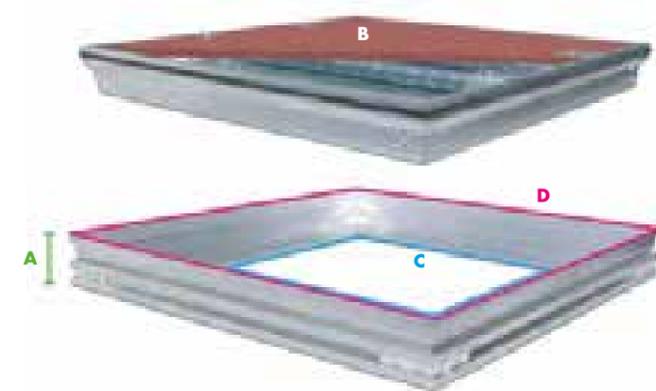
## SAFETY AND MAINTENANCE PRODUCTS

LadderUp® Safety Post
Cover Skate
Lifting Key
Replacement Bolt
Step-over Units
BWALK-A Roof mounted walkways

## HELP AND ADVICE

### Access Cover Sizes

Our diagram below answers the most common questions.



**A** OVERALL FRAME DEPTH of access cover including frame

**B** MAXIMUM FLOORING THICKNESS for inset to cover

**C** CLEAR INTERNAL OPENING = size of access gap through frame

**D** OVERALL FRAME SIZE = footprint of access cover including frame

### Duct and Multipart Design

Please contact office for details of beams and pockets.

## FIRE RATED PRODUCTS

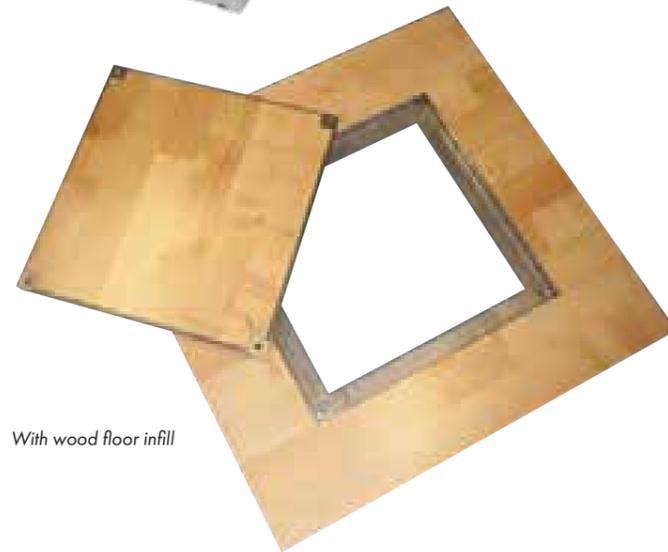
Our products are third party CERTIFIRE rated to BS 476 Part 22 for fire integrity and insulation. Please refer to individual product pages for information. Fire ratings are dependent upon the floor access cover size, orientation, fill specification and use of the cover in a dead load environment only. If any permanent loads are applied this will invalidate the fire rating.

## 2500 Series



2500 Series

### Single Cover



With wood floor infill

Stainless steel floor access covers for pedestrian traffic on wooden surfaces

### 2500 SERIES SPECIFICATIONS

**FLOOR FINISHES:** Heavy duty timber floors: Junckers solid hardwood floors, timber strip flooring or heavy-duty laminate flooring.

**PERFORMANCE:** Pedestrian traffic (including wheeled trolleys, sack trucks etc.) only.

**FEATURES and BENEFITS:** Can be fitted quickly and unobtrusively, ensuring minimum disruption.  
Lifting blocks are anchored to the inner frame. Stainless steel securing bolts are stiletto heel proof.  
Fits within a standard timber floor, removing the need to cut rebates underneath the timber flooring.  
Provides easy access to underfloor services using lifting keys.  
Screwed sideways into the floor to allow movement with a floating timber floor.

**SIZES:** See pages 6-7.

**WEIGHT:** Approx. 16kg/m<sup>2</sup>.

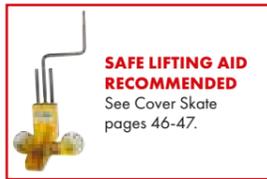
**INSTALLATION:** Go to [www.howegreen.com](http://www.howegreen.com)

# 5000 Series



5000 Series

Single Cover • Duct Cover • Multipart Cover



Stainless steel



Aluminium Duct cover

## Stainless steel and aluminium floor access covers for pedestrian traffic

Image shown features aluminium cover.  
© Copyright John Kees Photography.

### 5000 SERIES SPECIFICATIONS

**FLOOR FINISHES:** All types of hard floor finishes including ceramic tiles, marble, terrazzo, concrete, resin, wood or parquet.

**PERFORMANCE:** Pedestrian traffic (including wheeled trolleys, sack trucks etc.) only.

**FEATURES and BENEFITS:** Can be fitted quickly and unobtrusively, ensuring minimum disruption.  
Unique cover sections are tapered for easy removal, frame sections give a good key to bedding mortar.  
Double seals available.  
Lifting blocks are anchored to the inner frame. Stainless steel securing bolts are stiletto heel proof.  
Provides easy access to underfloor services using lifting keys or Cover Skate.  
Aluminium covers are available with a top edge seal to help prevent dirt, grout or grinding waste ingress.

**SIZES:** See pages 6-7.

**WEIGHT:** Approx. 90kg/m<sup>2</sup> when filled with concrete.

**INSTALLATION:** Go to [www.howegreen.com](http://www.howegreen.com)

# 7500 Series



# 7500 Series

Single Cover • Duct Cover • Multipart Cover

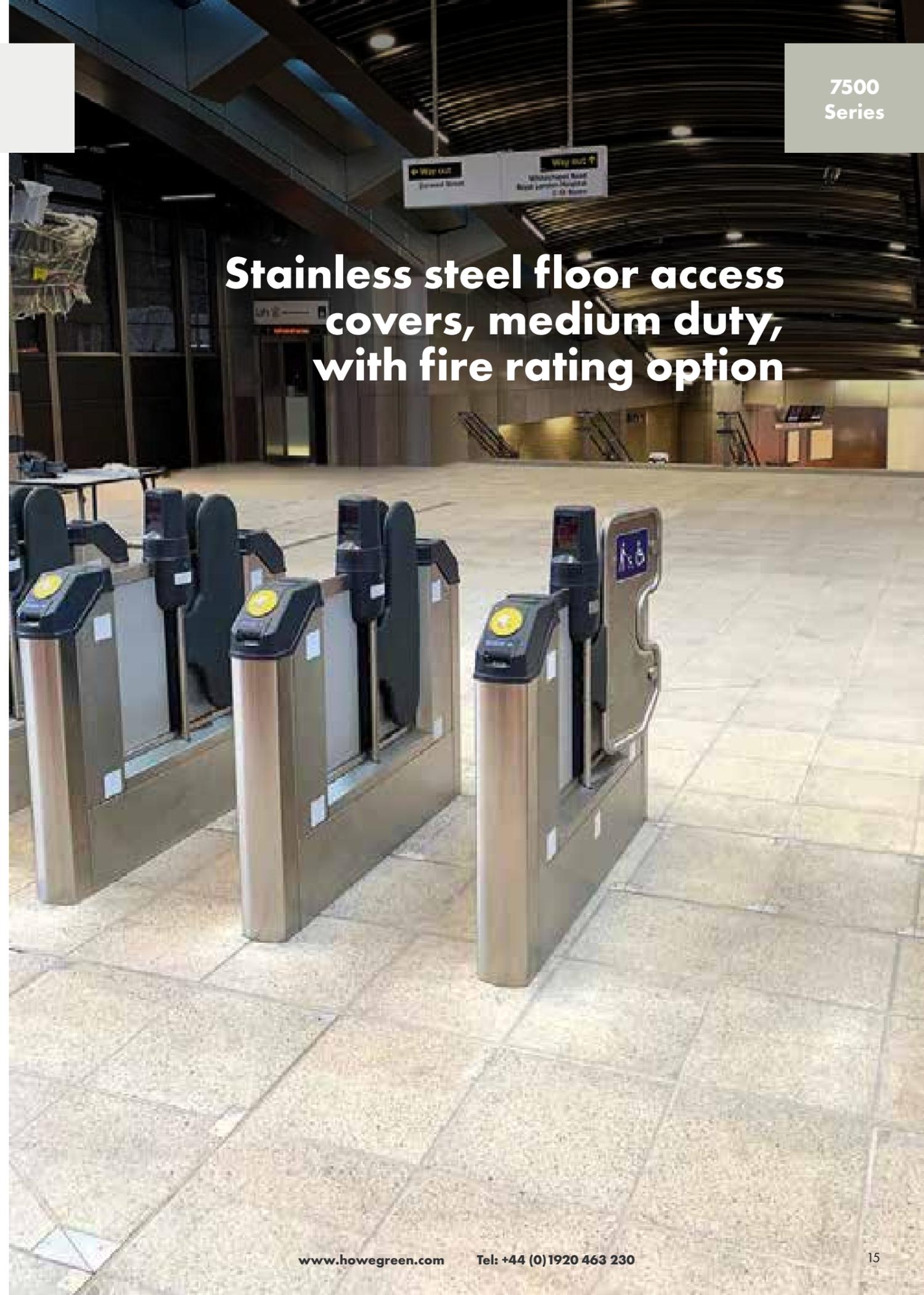


Stainless steel



Aluminium Multipart covers

Stainless steel floor access covers, medium duty, with fire rating option



## 7500 SERIES SPECIFICATIONS

**FLOOR FINISHES:** All types of hard floor finishes including ceramic tiles, marble, terrazzo, concrete, resin, wood or parquet.

**PERFORMANCE:** Medium-duty, FACTA B, suitable for up to 5 tonne pneumatic tyre wheel load – cars and light delivery vehicles.

**FEATURES and BENEFITS:** Can be fitted quickly and unobtrusively, ensuring minimum disruption. Unique cover sections are tapered for easy removal, frame sections give a good key to bedding mortar. Double seals available. Lifting blocks are anchored to the inner frame. Stainless steel securing bolts are stiletto heel proof. Provides easy access to underfloor services using lifting keys or Cover Skate. Aluminium covers are available with a top edge seal to help prevent dirt, grout or grinding waste ingress.

**FIRE RATING:** Third party CERTIFIRE fire rated to BS 476 Part 22 for integrity and insulation. Certificate No. CF5967 (Note: fire rating will depend on size of cover and loading).

**SIZES:** See pages 6-7.

**WEIGHT:** Approx. 155kg/m<sup>2</sup> when filled with concrete.

**INSTALLATION:** Go to [www.howegreen.com](http://www.howegreen.com)

# TER Series



TER Series

Single Cover • Double Cover

### STANDARD SIZES and WEIGHTS

Type	Size - clear internal dimensions	Overall dimensions	Weight
TER-1	610mm x 610mm	814mm x 814mm	45kg
TER-2	760mm x 760mm	964mm x 964mm	50kg
TER-3	915mm x 760mm (H)	1119mm x 964mm	54kg
TER-4	915mm x 915mm	1119mm x 1119mm	59kg
TER-5	1065mm x 1065mm	1269mm x 1269mm	75kg

Please contact the office for additional sizes.



Aluminium  
spring-balanced  
floor access  
covers for light  
pedestrian traffic

## TER SERIES SPECIFICATIONS

**FLOOR FINISHES:** Ceramic tiles, marble, terrazzo, concrete, resin, wood and all hard floors. Accepts architectural flooring material.

**PERFORMANCE:** Pedestrian traffic (including wheeled trolleys, sack trucks etc.) only.

**LOADING:** Reinforced for 732kg/m<sup>2</sup> live load with 25mm fillable pan.

**MECHANISM:** Compression spring operated with automatic hold-open arm and grip handle release. Fitted with fixed interior handle and removable exterior turn/lift handle. Automatic hold-open arm with grip handle release.

**FRAME:** Extruded aluminium frame with built-in anchor flange around the perimeter.

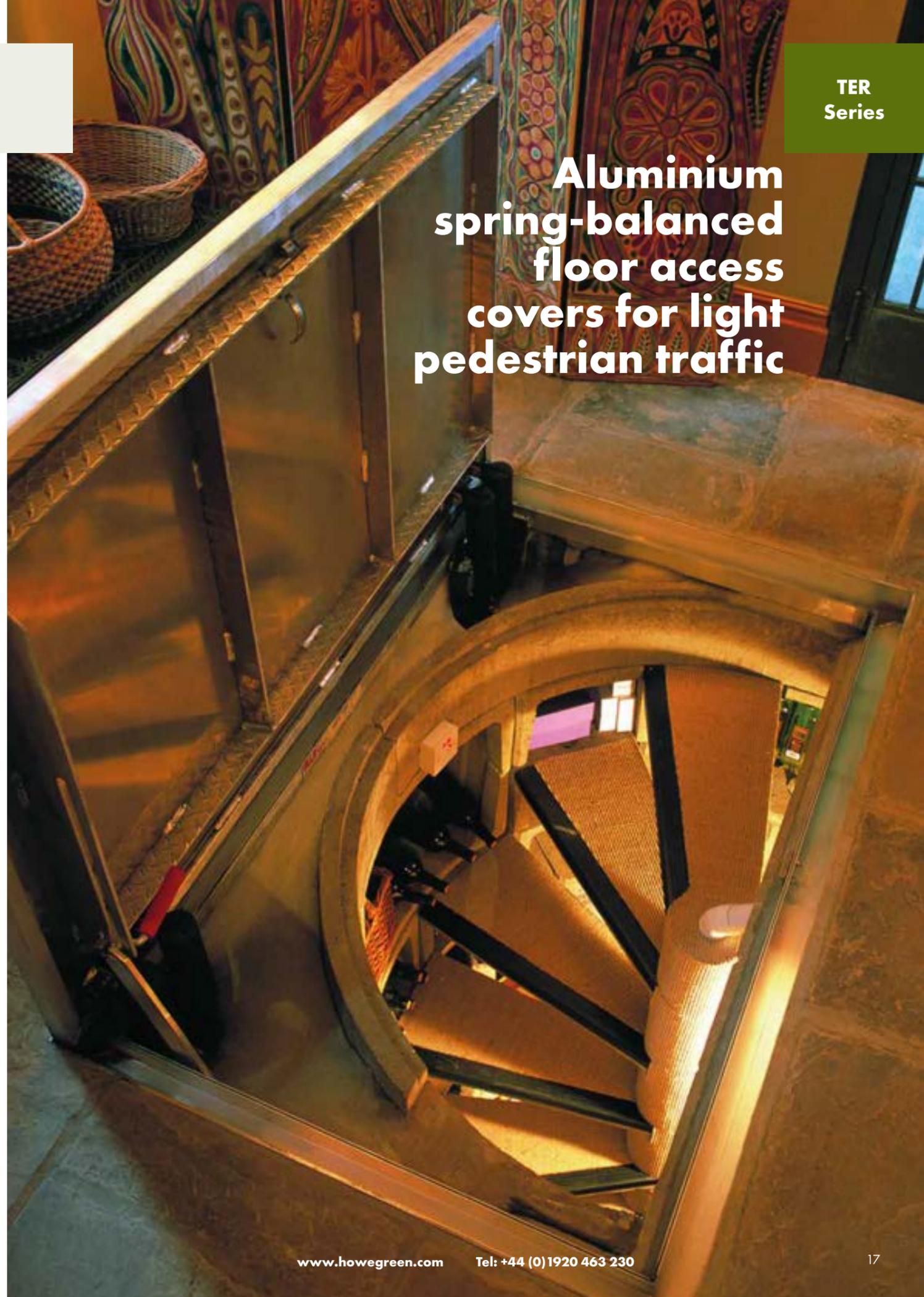
**DRAINAGE:** Drain coupling can be added on request.

**OPTIONS:** For options including locks and latches, handrails, electric motors and special finishes please call the office.

**SIZES:** See pages 6-7 for dimension ranges and [www.howegreen.com](http://www.howegreen.com) for standard sizes.

**WEIGHT:** Will require a maximum force of approx. 10kg to open when filled and installed correctly.

**INSTALLATION:** Go to [www.howegreen.com](http://www.howegreen.com)



# HSE 75 Series



HSE 75 Series

Single Cover • Duct Cover • Multipart Cover



Stainless steel and aluminium, hinged, floor access covers for cars and light delivery vehicles

*Image shown features aluminium cover*

## HSE 75 SERIES SPECIFICATIONS

**FLOOR FINISHES:** All types of hard floor finishes including ceramic tiles, marble, terrazzo, concrete, resin, wood or parquet.

**PERFORMANCE:** Cars and light delivery vehicles up to 5 tonne (5,000kg) pneumatic tyre wheel load.

**FEATURES and BENEFITS:** Can be fitted quickly and unobtrusively, ensuring minimum disruption. Unique cover sections are tapered for easy removal, frame sections give a good key to bedding mortar. Fitted with multi-link hinges and mild steel, powder coated gas springs. Double sealed with socket head securing bolts complete with all necessary removable sealing cross-members and support beams (where necessary). Recessed support beam pockets (where necessary). Lifting blocks are anchored to the inner frame. Stainless steel securing bolts are stiletto heel proof. Aluminium covers are available with a top edge seal to help prevent dirt, grout or grinding waste ingress.

**FIRE RATING:** To BS 476 Part 22 - 2 hours for the stainless steel cover. Aluminium cover is non fire rated.

**SIZES:** See pages 6-7.

**WEIGHT:** Will require a maximum force of approx. 20kg to open when filled and installed correctly.

**INSTALLATION:** Go to [www.howegreen.com](http://www.howegreen.com)

# 1050 Series



# 1050 Series

Single Cover • Duct Cover • Multipart Cover



Barrel lifting points



## Stainless steel floor access covers for demanding environments and high traffic areas

Image shows concrete infill option



### 1050 SERIES SPECIFICATIONS

**FLOOR FINISHES:** All types of hard floor finish: concrete or natural stone. Specifically for use in internal/external areas where vehicle access is required.

**PERFORMANCE:** Heavy-duty, up to 6.5 tonne pneumatic tyre wheel load (FACTA C) as standard or up to 11 tonne pneumatic tyre wheel load (FACTA D, equivalent to D400) on request. Suitable for both internal and external hard floors.

**FEATURES and BENEFITS:** Can be fitted quickly and unobtrusively, ensuring minimum disruption. Unique cover sections are tapered for easy removal, frame sections give a good key to bedding mortar. Double sealed with socket head securing bolts complete with all necessary removable sealing cross-members and support beams (where necessary). Recessed support beam pockets (where necessary). Lifting blocks are anchored to the inner frame. Stainless steel securing bolts are stiletto heel proof. Provides easy access to underfloor services using lifting keys or Cover Skate.

**FIRE RATING:** Third party CERTIFIRE fire rated to BS 476 Part 22 for integrity and insulation. Certificate No. CF5967 (Note: fire rating will depend on size of cover, configuration and loading).

**SIZES:** See pages 6-7.

**WEIGHT:** 220kg/m<sup>2</sup> for FACTA C load rating.

**INSTALLATION:** Go to [www.howegreen.com](http://www.howegreen.com)

# Tree Pit Covers



## Tree Pit Covers



Top: Tree Pit cover in external environment

Bottom left: Typical construction process for Tree Pit covers

Bottom right: Tree Pit cover in an outdoor environment

### TREE PIT COVERS SPECIFICATIONS

**FLOOR FINISHES:** All types of hard floor finishes including ceramic tiles, marble, terrazzo, concrete, resin, wood or parquet and external concrete or natural stone.

**PERFORMANCE:** Pedestrian traffic (including wheeled trolleys, sack trucks etc.) when built using the 5000 Series covers.  
Cars and light delivery vehicles up to 5 tonne (5,000kg) pneumatic tyre wheel load when built using the 7500 Series covers.  
Heavy-duty vehicles up to 6.5 tonne (6,500kg) pneumatic tyre wheel load when built using the 1050 Series covers.

**FEATURES and BENEFITS:** Provides easy access to tree root ball using lifting keys.  
Facilitates easy ongoing maintenance of trees.  
Resistant to rust and corrosion.  
Aluminium covers are available with a top edge seal to help prevent dirt, grout or grinding waste ingress.

**SIZES:** All tree pits made to measure. Contact office for details.

**WEIGHT:** See individual cover specifications.

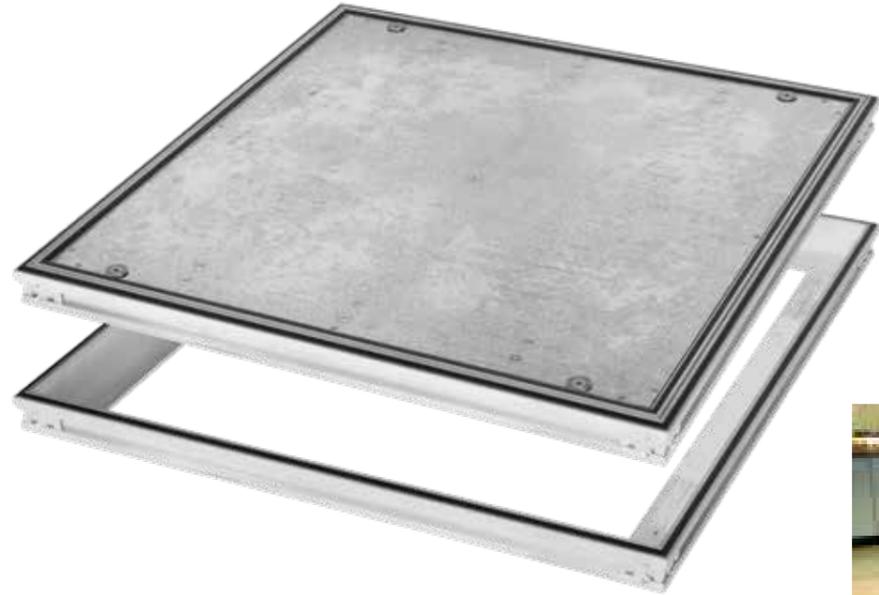
**INSTALLATION:** Go to [www.howegreen.com](http://www.howegreen.com)



Stainless steel  
and aluminium  
tree pit covers for  
all types of  
loading



Single Cover • Duct Cover • Multipart Cover



Aluminium floor  
access covers for  
use with flexible  
floor coverings

## VIEDGE® SERIES SPECIFICATIONS

**FLOOR FINISHES:** All types of flexible sheet flooring, e.g. PVC, vinyl, rubber, linoleum and some carpets.

**PERFORMANCE:** Pedestrian traffic (including wheeled trolleys, sack trucks etc.) only.

**FEATURES and BENEFITS:** Can be fitted quickly and unobtrusively, ensuring minimum disruption.  
The PVC extrusion is locked to the frame sections, bonded and welded to the cut edge of the sheet flooring. This creates a flat, hygienic and permanent joint.  
The aluminium and steel construction is tough, light and corrosion resistant.  
Crimped corners allow the cover and frame to lie completely flat.  
The unique Howe Green double seal construction forms the most positive seal to drainage, electrical and other ducts.  
Provides easy access to underfloor services using lifting keys.  
Trade mark registration numbers 000807842 (EU) and 00001471054 (UK).

**SIZES:** See pages 6-7.

**WEIGHT:** Approx. 30kg/m<sup>2</sup>.

**INSTALLATION:** Go to [www.howegreen.com](http://www.howegreen.com)

# Special Applications

Working together with customers, we use our industry knowledge, technical expertise and cutting-edge equipment to develop and deliver solutions to solve any challenges they face.

Through investment in computer design software and CNC machinery, we can manufacture items such as special purpose access covers, edge trims and corner guards quickly, accurately and cost effectively.

New product development is an everyday occurrence at Howe Green.

Shown here are just some examples of special works. Call office to discuss any requirement you may have.



Above: Duct run with service access points within covers

Centre: Cable management solutions

Bottom left: Specialist metal work

Bottom centre: Circular cover

Bottom right: Drainage solutions



# Special Applications

**“We develop and deliver solutions to solve any challenges our customers face”**

“Howe Green designed and produced the ideal solution for this unique application”

*Paul Norman, Scena Projects*

# JFR Fire Doors



HARD FLOOR FINISHES



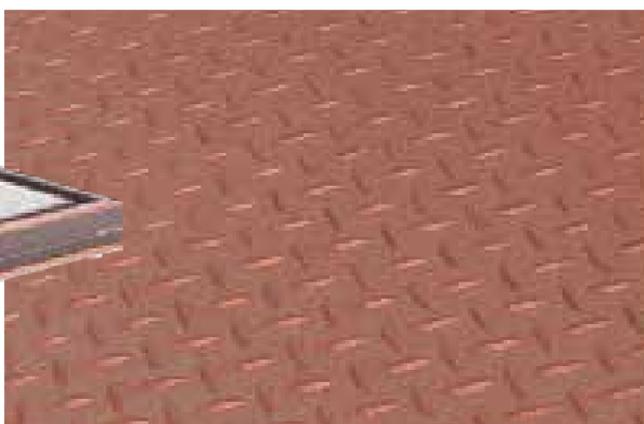
PEDESTRIAN TRAFFIC



1 HOUR FIRE RATED

# JFR Fire Doors

## Single Cover



Diamond pattern cover

### STANDARD SIZES and WEIGHTS

Type	Size - clear internal dimensions	Overall dimensions	Weight
JFR-1	610mm x 610mm	826mm x 826mm	99kg
JFR-2	760mm x 760mm	976mm x 976mm	132kg
JFR-3	915mm x 760mm (H)	1131 mm x 976mm	158kg
JFR-4	915mm x 915mm	1131 mm x 1131mm	176kg
JFR-5	1065mm x 1065mm	1281 mm x 1281 mm	236kg
JFR-6	760mm x 1220mm (H)	976mm x 1436mm	190kg

Please contact the office for additional sizes.

## JFR FIRE DOORS SPECIFICATIONS

- FLOOR FINISHES:** Solid slip-resistant top cover. No infill required.
- PERFORMANCE:** Pedestrian traffic (including wheeled trolleys, sack trucks etc.) only. Primarily used as a secondary means of escape from plant rooms
- FIRE RATING:** One-hour fire rating to BS 476 Part 22 and approved for a one-hour fire rating when exposed to fire from the underside (Certified by Chiltern Fire International - ask for indicative test report).
- LOADING:** 6mm diamond pattern steel plate reinforced for 1464kg/m<sup>2</sup> live load. Special sizes are available, but certification only available with a maximum size of 1.14m<sup>2</sup>. Intumescent fire coating applied to the underside of the cover.
- MECHANISM:** Stainless Steel slam lock with fixed interior handle and removable exterior turn/lift handle (can be supplied with self-closing mechanism on sizes 762mm in width and greater when specified). Automatic hold-open arm with grip handle release. Mechanical hold-open system with release button automatically holds the cover in the open position.
- FRAME:** Formed channel frame with anchor angle welded around the perimeter. Intumescent fire coating applied on the interior surfaces of the frame and the underside of the cover.
- OPTIONS:** For options including locks and latches, handrails, electric motors and special finishes please call the office.
- SIZES:** See pages 8-9 for dimension ranges and [www.howegreen.com](http://www.howegreen.com) for standard sizes.
- WEIGHT:** Will require a maximum force of approx. 15kg to open when installed correctly.
- INSTALLATION:** Go to [www.howegreen.com](http://www.howegreen.com)



**Mild steel fire rated doors for light pedestrian traffic**

## 5 Bar Series



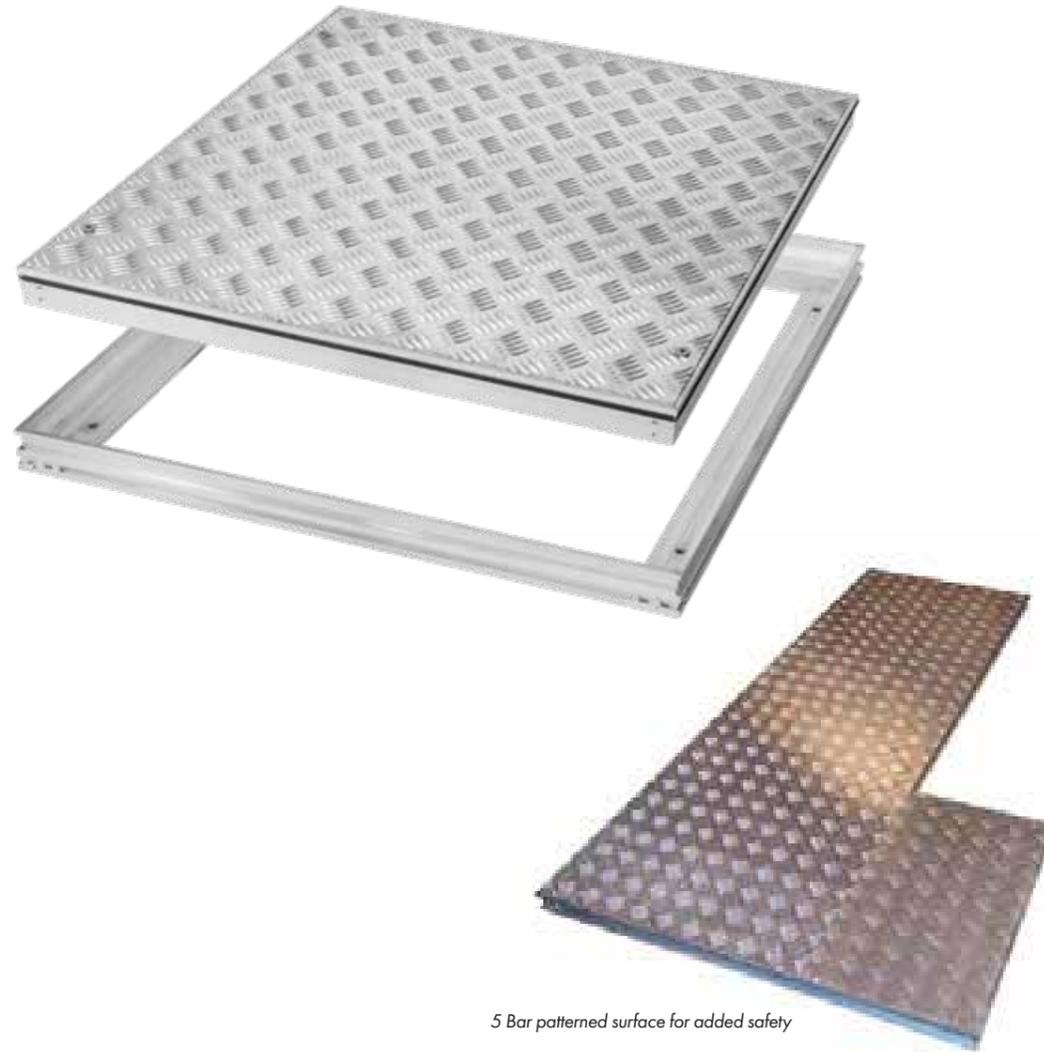
HARD FLOOR  
FINISHES



PEDESTRIAN  
TRAFFIC

5 Bar  
Series

Single Cover • Duct Cover • Multipart Cover



5 Bar patterned surface for added safety

Aluminium tread plate covers  
for light pedestrian traffic

### 5 BAR SERIES SPECIFICATIONS

**FLOOR FINISHES:** Can be fitted quickly and unobtrusively into all types of flooring.

**PERFORMANCE:** Pedestrian traffic (including wheeled trolleys, sack trucks etc.) only.

**FEATURES and BENEFITS:** Lightweight.  
Double sealed.  
Anti-slip treadplate pattern.  
Access hatches can be linked together to provide continuous access to ducts.

**SIZES:** See pages 8-9.

**WEIGHT:** Approx. 30kg/m<sup>2</sup>.

**INSTALLATION:** Go to [www.howegreen.com](http://www.howegreen.com)

# J-AL Drainage Doors



J-AL Drainage Doors

Single Cover • Double Cover

## STANDARD SIZES and WEIGHTS

Type	Size - clear internal dimensions	Overall dimensions	Weight
J-1AL	610mm x 610mm	762mm x 762mm	30kg
J-2AL	760mm x 760mm	912mm x 912mm	40kg
J-3AL	915mm x 760mm (H)	1067mm x 912mm	44kg
J-4AL	915mm x 915mm	1067mm x 1067mm	49kg
J-5AL	1065mm x 1065mm	1217mm x 1217mm	61kg
J-6AL	760mm x 1220mm (H)	912mm x 1370mm	52kg

Please contact the office for additional sizes.



Debris Gasket



Adjustable anchor tabs

## J-AL DRAINAGE DOORS SPECIFICATIONS

**FLOOR FINISHES:** Solid slip-resistant top cover. No infill required.

**PERFORMANCE:** Pedestrian traffic (including wheeled trolleys, sack trucks etc.) only.

**LOADING:** 6mm diamond pattern plate and reinforced for a 1464kg/m<sup>2</sup> live load. Features anti-corrosion hardware, standard debris gasket, and a versatile anchoring system for ease of installation.

**LIFT ASSISTANCE:** Compression spring operators enclosed in telescopic tubes. Automatic hold-open arm.

**MECHANISM:** Automatic hold-open. EPDM gasket mechanically attached to the frame reduces the amount of dirt and debris that may enter the channel frame. Stainless steel slam lock with fixed interior handle and removable exterior turn/lift handle. Latch release is protected wby a flush, gasketed, removable screw plug.

**FRAME:** Extruded aluminium channel frame with bent down anchor tabs around the perimeter. A 38mm drain coupling is welded under the frame for a pipe connection to a dry well or disposal system.

**OPTIONS:** For options including locks and latches, handrails, electric motors and special finishes please call the office.

**SIZES:** See pages 8-9 for dimension ranges and [www.howegreen.com](http://www.howegreen.com) for standard sizes.

**WEIGHT:** Will require a maximum force of approx. 10kg to open when installed correctly.

**INSTALLATION:** Go to [www.howegreen.com](http://www.howegreen.com)

Aluminium drainage covers for light pedestrian traffic

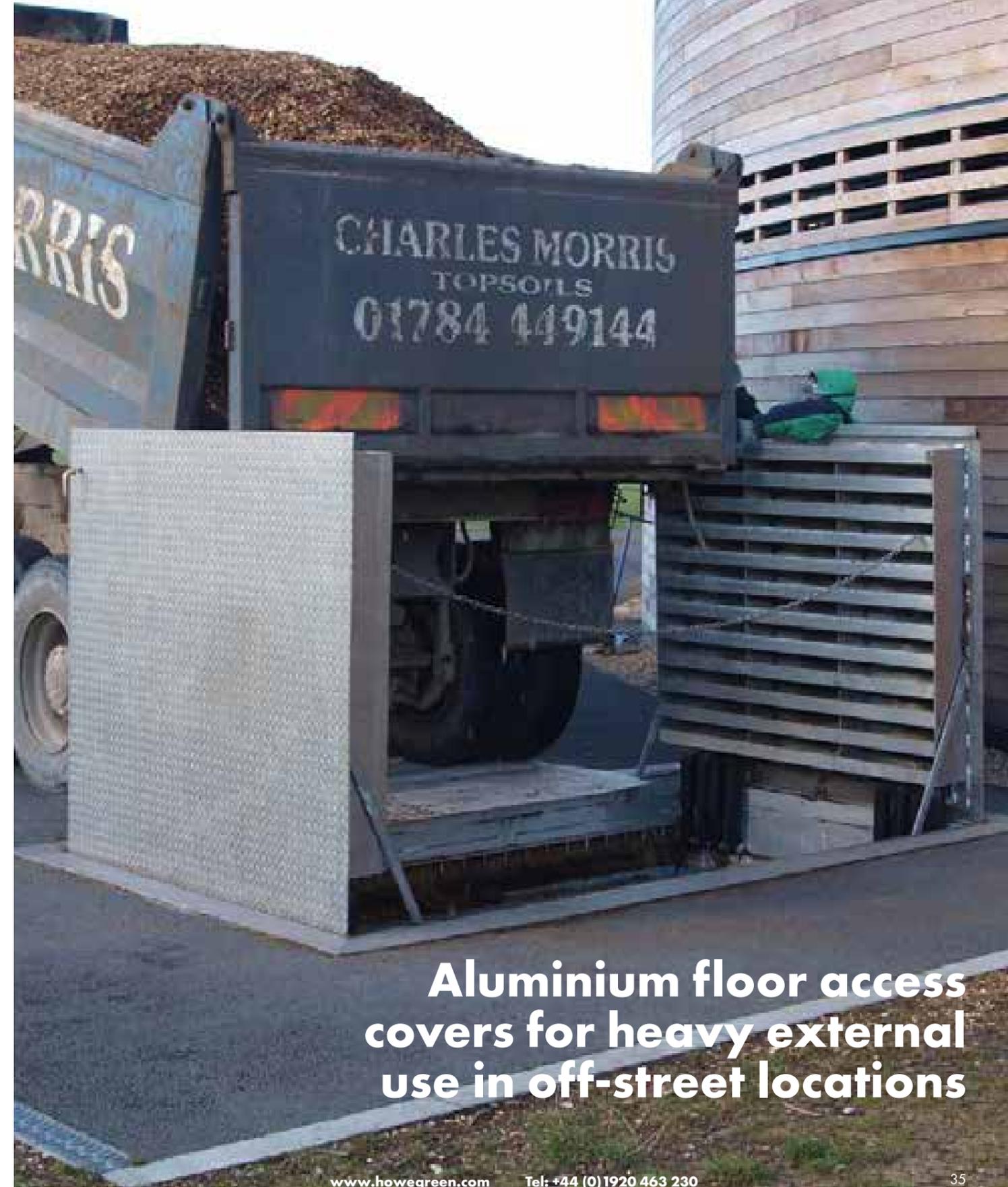


# J-AL H20 Drainage Doors



J-AL H20  
Drainage  
Doors

Single Cover • Double Cover



Aluminium floor access covers for heavy external use in off-street locations

## J-AL H20 DRAINAGE DOORS SPECIFICATIONS

<b>FLOOR FINISHES:</b>	Solid slip-resistant top cover. No infill required.
<b>PERFORMANCE:</b>	Heavy-duty loading for vehicle access in off-street locations, up to 14.5 tonne (14,500kg) axle load.
<b>LOADING:</b>	6mm diamond pattern plate and reinforced for AASHTO H-20 wheel loading (14.5 tonne (14,500kg) axle load). With all the same features as the Type J-AL, this door is also ideal for most corrosive environments.
<b>LIFT ASSISTANCE:</b>	Compression spring operators enclosed in telescopic tubes. Automatic hold-open arm.
<b>MECHANISM:</b>	Automatic hold-open. EPDM gasket mechanically attached to the frame reduces the amount of dirt and debris that may enter the channel frame. Stainless steel slam lock with fixed interior handle and removable exterior turn/lift handle. Latch release is protected by a flush, gasketed, removable screw plug.
<b>FRAME:</b>	Extruded aluminium channel frame with bent down anchor tabs around the perimeter. A 38mm drain coupling is welded under the frame for a pipe connection to a dry well or disposal system.
<b>OPTIONS:</b>	For options including locks and latches, handrails, electric motors and special finishes please call the office.
<b>SIZES:</b>	See pages 8-9 for dimension ranges and <a href="http://www.howegreen.com">www.howegreen.com</a> for standard sizes.
<b>WEIGHT:</b>	Will require a maximum force of approx. 10kg to open when installed correctly.
<b>INSTALLATION:</b>	Go to <a href="http://www.howegreen.com">www.howegreen.com</a>

# Channel Drain Solutions



Channel Drain Solutions

## HG100 • HG200

### HG100

Linear drainage channel with a choice of four grating covers (see below)



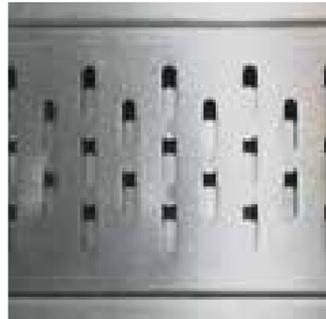
### HG200

Slot drainage channel

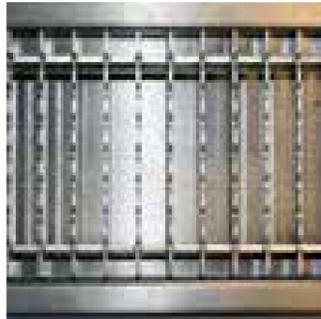


Corrosion-resistant stainless steel channel drain solutions

## HG100 GRATING OPTIONS



HG100 shower grating cover



HG100 anti-slip ladder grating cover



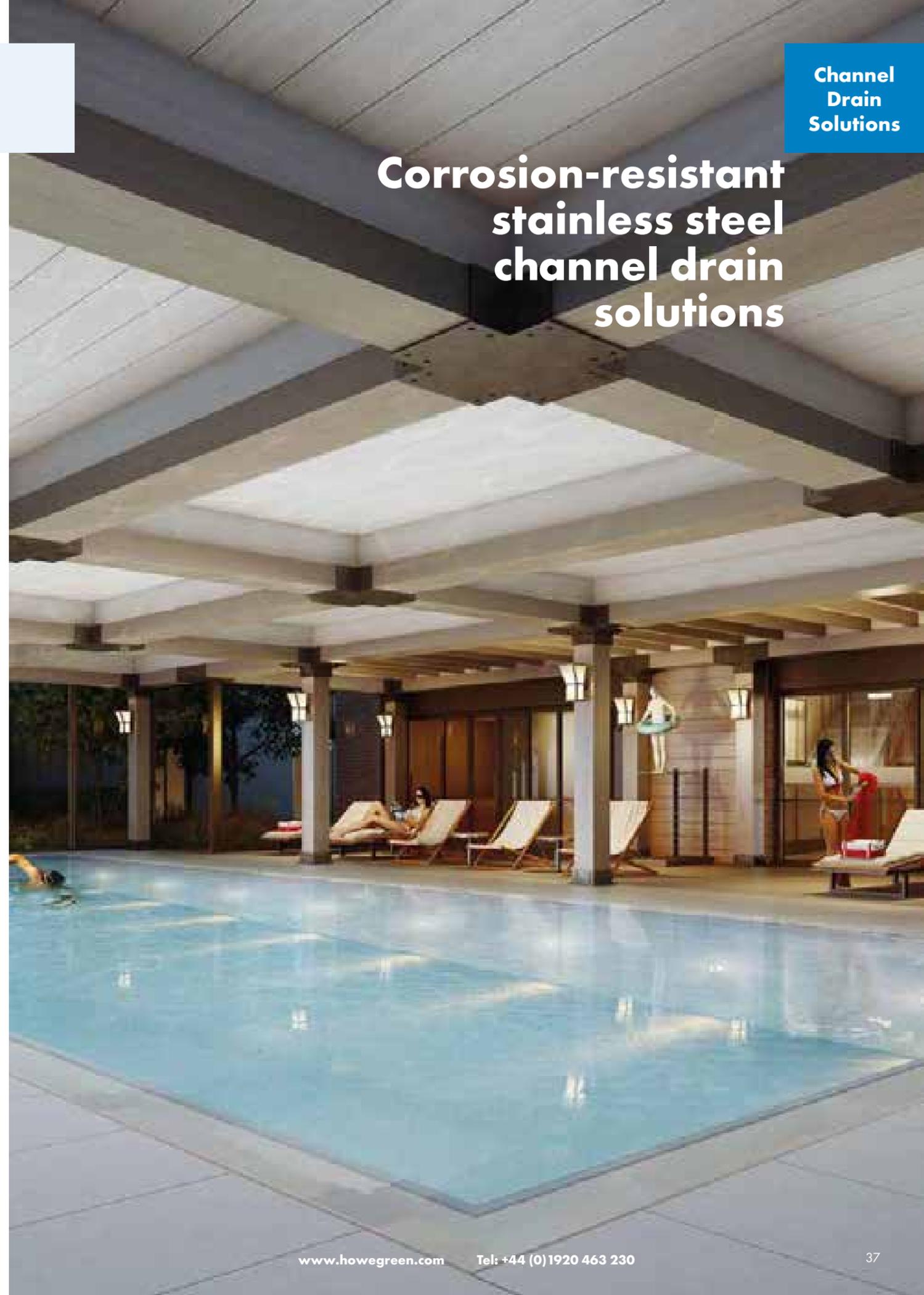
HG100 fine-linear grating cover



HG100 polymer grating cover

## CHANNEL DRAIN SPECIFICATIONS

- FLOOR FINISHES:** Most types of floor finish e.g. ceramic tiles or resin.
- PERFORMANCE:** Pedestrian traffic (including wheeled trolleys, sack trucks etc.) up to 1.5 tonne (1,500kg) pneumatic wheel load.
- MATERIAL:** Stainless steel gratings as standard (either 304 or 316). Polymer inserts available for HG100 if required.
- SUITABILITY:** Changing rooms, shower areas, spas, kitchens, laboratories, veterinary surgeries and other areas that require drainage.
- FEATURES and BENEFITS:** Available with level or sloping invert in made-to-measure lengths and can be manufactured to suit specific layout requirements. Standard Ø110mm spigot outlet.
- OPTIONS:** 90° bends, T-junctions and stop ends also available.  
**HG100:** Heavy-duty gratings, lockdown gratings or pedestrian-only shower grating available on request.  
**HG200:** Variable slot depth available to suit paving.
- INSTALLATION:** Go to [www.howegreen.com](http://www.howegreen.com)



## Visedge® DS Series



FLEXIBLE FLOOR FINISHES



FOR LIMITED DEPTH APPLICATION



PEDESTRIAN TRAFFIC

### Securing Edge Trim

Secures and protects the edge of flexible flooring when it has been laid on top of another surface.



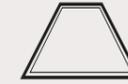
#### VIEDGE® DS SPECIFICATIONS

<b>USAGE:</b>	Anchors securely the perimeter of the vinyl flooring.
<b>FLOOR FINISHES:</b>	For junctions of flexible sheeting (e.g. vinyl or linoleum) and hard paving (e.g. ceramic tiling etc.).
<b>PERFORMANCE:</b>	Pedestrian traffic (including wheeled trolleys, sack trucks etc.) only.
<b>MAINTENANCE FREE:</b>	Designed to ensure accurate and unobtrusive installation with no further maintenance once installed.
<b>SIZES:</b>	Supplied in packs of 5 x 2m lengths.
<b>INSTALLATION:</b>	Go to <a href="http://www.howegreen.com">www.howegreen.com</a>

## Visedge® VR Series



FLEXIBLE FLOOR FINISHES



FOR LIMITED DEPTH APPLICATION



PEDESTRIAN TRAFFIC

## Visedge® Edge Trimmings

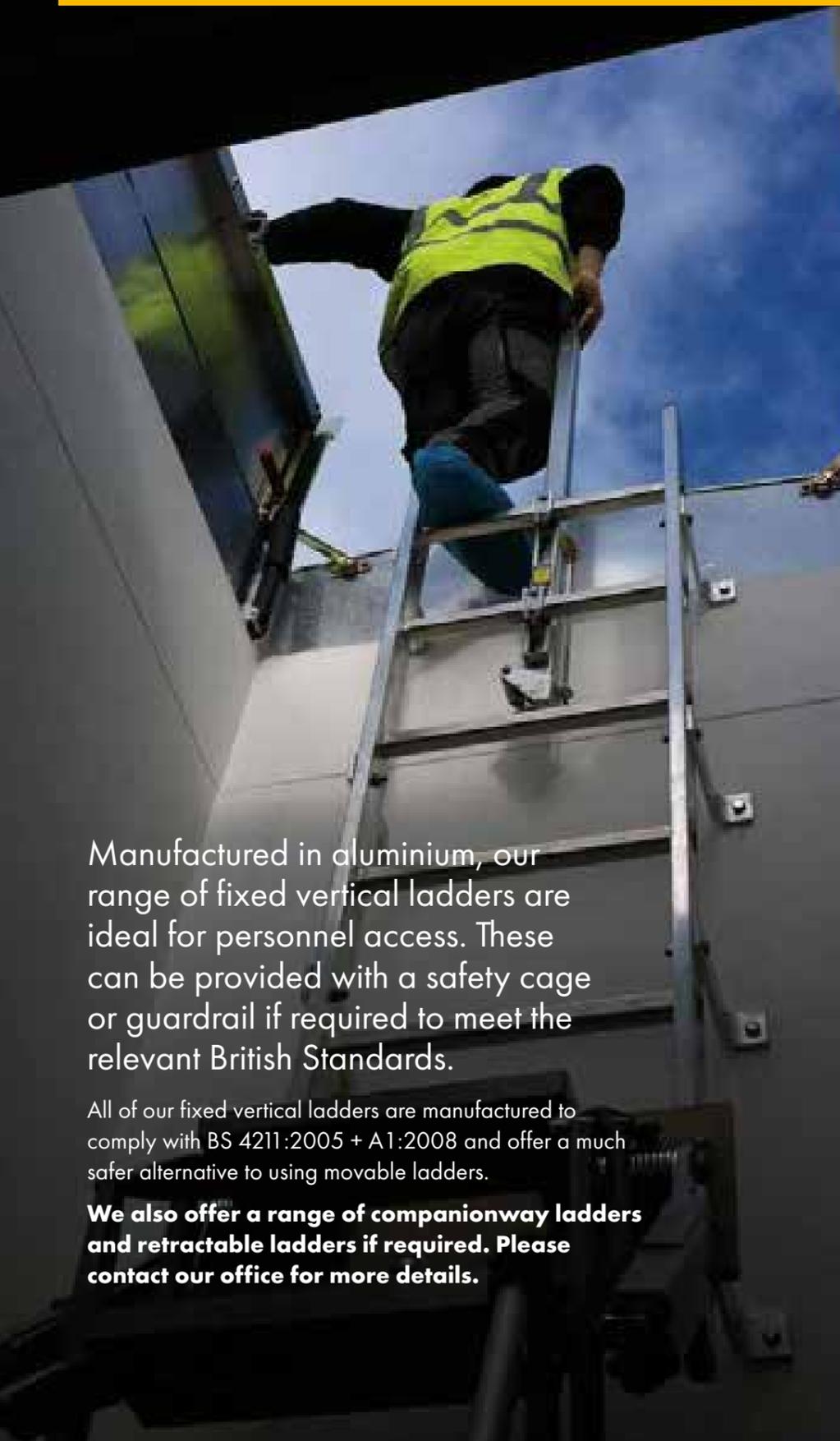
### Securing Edge Trim

Enables the smooth flush-joint transition between two different floor finishes, such as vinyl and terrazzo.



#### VIEDGE® VR SPECIFICATIONS

<b>USAGE:</b>	Anchors securely the perimeter of the vinyl sheeting to prevent the ingress of water and protects the edge profile of the adjoining ceramic tile paving, forming an impermeable, flat, hygienic and permanent joint.
<b>FLOOR FINISHES:</b>	For junctions of flexible sheeting (e.g. vinyl or linoleum) and hard paving (e.g. ceramic tiling etc.).
<b>PERFORMANCE:</b>	Pedestrian traffic (including wheeled trolleys, sack trucks etc.) only.
<b>MAINTENANCE FREE:</b>	Designed to ensure accurate and unobtrusive installation with no further maintenance once installed.
<b>SIZES:</b>	Supplied in packs of 5 x 2m lengths.
<b>INSTALLATION:</b>	Go to <a href="http://www.howegreen.com">www.howegreen.com</a>



Manufactured in aluminium, our range of fixed vertical ladders are ideal for personnel access. These can be provided with a safety cage or guardrail if required to meet the relevant British Standards.

All of our fixed vertical ladders are manufactured to comply with BS 4211:2005 + A1:2008 and offer a much safer alternative to using movable ladders.

**We also offer a range of companionway ladders and retractable ladders if required. Please contact our office for more details.**

Type BL without safety cage

FIXED VERTICAL LADDER SPECIFICATIONS

ALUMINIUM

**LADDER:** Alloy Class 1 Stiles: 73 x 25mm.  
Class 1 heavy duty rung.  
Stand off brackets from 50 x 10mm alloy bar.  
Fixings in stainless steel.

**LADDER WIDTH:** 488mm.

**FINISH:** All alloy mill finish.

**OPTIONS:** LadderUp® Safety Post.

TYPE	SIZE	APPROX. WEIGHTS
BL-A-1	2.0 -2.8m	12-14kg
BL-A-2	Above 2.8 - 3.6m	14-18kg
BL-A-3	Above 3.6 - 4.4m	18-22kg
BL-A-4	Above 4.4 - 5.2m	22-26kg
BL-A-5	Above 5.2 - 6.0m	26-30kg
BL-A-SS	Special sizes available on request	



**DON'T FORGET**  
your LadderUp®  
Safety Post.  
See page 44.

## Type BL-WH with safety cage

### TYPE BL-WH SPECIFICATIONS

#### ALUMINIUM

**LADDER:** Alloy Class 1 Stiles: 73 x 25mm box section.  
Class 1 heavy duty rung.  
Stand off brackets from 50 x 10mm alloy bar.  
Fixings in stainless steel.  
Guardrail Height: 1100mm.

**LADDER WIDTH:** 488mm.

**SAFETY CAGE:** Cages above 2200-3000mm.

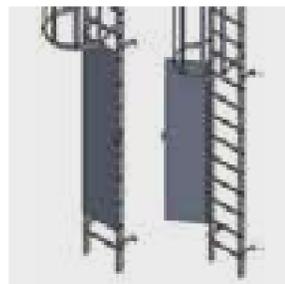
**STRAP:** 50 x 10mm alloy bar.  
5 x straps as BS 4211: 2005 + A1 2008.

**FIXINGS:** Dome head bolts.

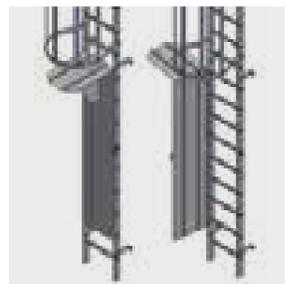
**FINISH:** All alloy mill finish.

**OPTIONS:** LadderUp® Safety Post.

TYPE	SIZE	APPROX WEIGHTS
BL-A-WH1	2.0 -2.8m	15-18kg
BL-A-WH2	Above 2.8 - 3.6m	18-20kg
BL-A-WH3	Above 3.6 - 4.4m	20-26kg
BL-A-WH4	Above 4.4 - 5.2m	26-32kg
BL-A-WH5	Above 5.2 - 6.0m	32-37kg
BL-A-WHSS	Special sizes available on request	



Hinged Ladder Gate



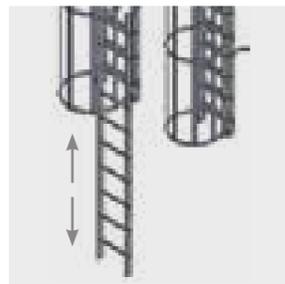
Hinged Ladder Gate with Hoop Access Blocking Plate



Hook-on Ladder Gate



Magnetic Locking Ladder Gate



Retractable Ladder Section



**DON'T FORGET**  
your LadderUp®  
Safety Post.  
See page 44.

## Type BL-WG with safety cage and guardrail

### TYPE BL-WG SPECIFICATIONS

#### ALUMINIUM

**LADDER:** Alloy Class 1 Stiles: 73 x 25mm box section.  
Class 1 heavy duty rung.  
Stand off brackets from 50 x 10mm alloy bar.  
Fixings in stainless steel.  
Guardrail Height: 1100mm.

**LADDER WIDTH:** 488mm.

**SAFETY CAGE:** Cages above 2200-3000mm.

**STRAP:** 50 x 10mm alloy bar.  
5 x straps as BS 4211: 2005 + A1 2008.

**FIXINGS:** Dome head bolts.

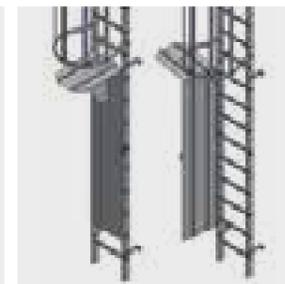
**FINISH:** All alloy mill finish.

**OPTIONS:** LadderUp® Safety Post.

TYPE	SIZE	APPROX WEIGHTS
BL-A-WG1	2.0 -2.8m	36-38kg
BL-A-WG2	Above 2.8 - 3.6m	38-40kg
BL-A-WG3	Above 3.6 - 4.4m	40-46kg
BL-A-WG4	Above 4.4 - 5.2m	46-51kg
BL-A-WG5	Above 5.2 - 6.0m	51-57kg
BL-A-WG-SS	Special sizes available on request	



Hinged Ladder Gate



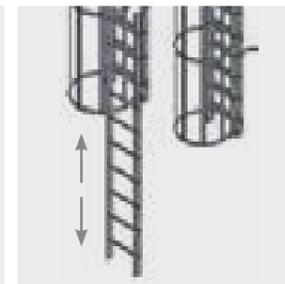
Hinged Ladder Gate with Hoop Access Blocking Plate



Hook-on Ladder Gate



Magnetic Locking Ladder Gate



Retractable Ladder Section

According to BS 4211:2005 + A1:2008, a self-closing gate should be fitted where a ladder breaks existing handrail.

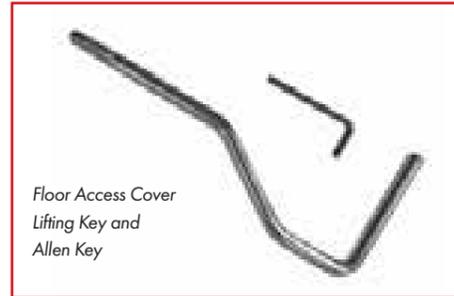


**DON'T FORGET**  
your LadderUp®  
Safety Post.  
See page 44.



Flat Head Socket Screw  
(countersunk)

Socket Head  
Cap Screw



Floor Access Cover  
Lifting Key and  
Allen Key

### Replacement Floor Access Cover Bolts

Available for all access covers. Please ensure you specify the type of bolt you require - Flat Head Socket Screw or Socket Head Cap Screw - depending on the age of your cover.

### Floor Access Cover Lifting Key and Allen Key

For use with light-duty and medium-duty floor access covers, providing safe and easy access to concealed underfloor services. Consideration should be given to Cover Skate (see pages 52 and 53) for lifting heavier covers such as 5000, 7500 and 1050 Series.

### LadderUp® Safety Posts

A telescopic post which permanently mounts to the top two rungs of any fixed ladder, providing easy, safe ladder access through roof hatches, floor doors and manholes.

By giving a positive hand-hold it enables entry or exit of an opening in an upright and balanced position.

### LADDERUP® SPECIFICATIONS

#### KEY FEATURES and BENEFITS

Telescopic design is spring-balanced for ease of operation.

Adjustable mounting hardware accommodates virtually any ladder rung size or spacing.

Automatically locks in the fully-raised position to provide the user with a firm and steady handhold.

Handy release lever allows the post to be easily lowered to its retracted position.

Available in four levels of corrosion resistance to provide many years of trouble-free, dependable service.

#### STANDARD SIZES and WEIGHTS

TYPE	DESCRIPTION	WEIGHT
LU-1 BLK	Steel/black enamel	11 kg
LU-2	Steel hot dip galv	11 kg
LU-3	Stainless type 304	11 kg
LU-4	Aluminium mill finish	7 kg



Adjustable mounting



Automatically locks off



Telescopic design



Handy release lever



LadderUp® Safety Posts for easy, safe access through hatches and floor doors

## Cover Skate

**Cover Skate is the ingenious way to lift heavy floor access covers.**

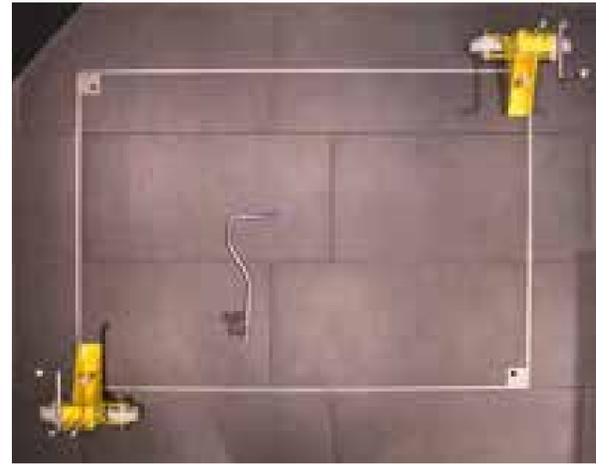
Simple, convenient and extremely portable you can carry it in a bag and lift even the heaviest of covers on your own - safely, easily and quickly.

This means you need fewer people to do the job and do not have to worry about the health and safety issues that come with using bigger pieces of equipment.

Suitable for use in all types of locations from airports, factories and hospitals to hotels, offices and schools.

## FEATURES

- Suitable for 5000, 7500 and 1050 Series
- Easy to carry and store
- Very durable and corrosion resistant
- Simple and quick to use
- 300kg lift from each "Cover Skate"
- 2 cover skates per cover (opposite corners) are required
- Lifting keys to suit other manufacturers' covers available to order



**Makes  
light work  
of moving  
heavy floor  
access covers**

Visit the website  
or scan the QR code  
to see a video of the  
Cover Skate in action





# JOIN OUR LIVE CPD WEBINARS

## AVAILABLE ONLINE OR FACE TO FACE

Presented by our Specification Sales Managers

View our full schedule of CPD dates at [howegreen.com](http://howegreen.com)

**REGISTER TODAY**

## CPD from Howe Green

Our range of resources are suitable for architects, specifiers, facilities managers and building services professionals wanting to understand how to safely and easily access concealed building services.

Hosted by our Specification Sales Managers the interactive CPD seminars are RIBA accredited. The seminars will explore the key considerations when specifying safe, secure and functional roof, ceiling, wall and floor access solutions, ensuring the highest standards in fire performance without compromising on aesthetics.

Howe Green offers two live RIBA accredited CPD seminars:

**SAFE ACCESS ALL AREAS: FLOOR ACCESS** provides in-depth information on the specification of floor access covers and hatches.

This session includes:

- How to access building services concealed under flooring
- Design considerations when selecting a floor access cover
- Selecting the right access cover for the environment/operational requirements of the building
- How to remove access covers safely and in line with legislative requirements

**SAFE ACCESS ALL AREAS: AN ESSENTIAL GUIDE TO SAFE, PRACTICAL AND AESTHETIC ROOF, CEILING, WALL AND FLOOR ACCESS SOLUTIONS** examines the considerations required when specifying access solutions.

This session includes:

- The purpose and reason for access
- Identifying and overcoming access challenges
- Relevant regulations and standards, including a guide to fire ratings and certification
- How to achieve stylish aesthetics with certified solutions



To book your place on one of our CPD seminars call **01920 463 230**, email [cpd@access-360.co.uk](mailto:cpd@access-360.co.uk) or register at [howegreen.com/cpd-seminars](http://howegreen.com/cpd-seminars)



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[www.howegreen.com](http://www.howegreen.com)



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HG – Brochure – 03 – July23

