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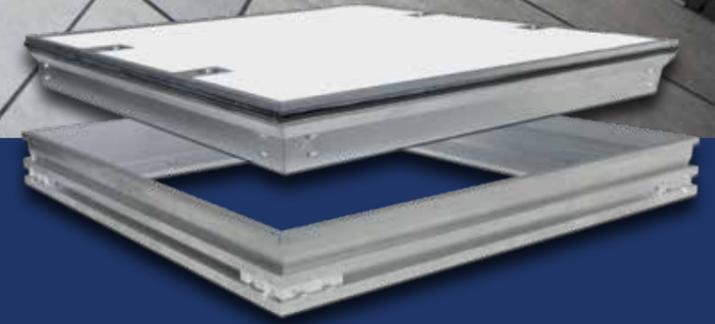
ISO 9001 Accredited
Reg. 189202

www.bilcouk.co.uk



We reserve the right to make design changes or to withdraw designs and products shown throughout this brochure without notice as we deem advisable.

HG17 001 February 2018



FLOOR ACCESS DOORS



FLOOR ACCESS COVERS



WALL AND CEILING ACCESS



LADDERS





In March 2017, Howe Green was acquired by the home security specialist ERA and now operates alongside speciality access products manufacturer Bilco UK. The companies offer the building services sector a comprehensive range of roof hatches, smoke vents, floor doors, access covers and ladders to facilitate the safe access of all areas.

Howe Green is a leading manufacturer of fabricated metal floor, wall and ceiling access covers, panels and hatches. The Howe Green range provides professionals within the building services sector with an innovative, practical solution to resolve the problem of accessibility to concealed services – quickly, safely and cost effectively.

Howe Green has been at the forefront of design and innovation in the highly specialised architectural building products sector since 1983. The company has supplied premium quality aluminium and stainless steel access covers for a range of applications to a diversity of customers.

WHY WORK WITH US?

Expertise

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

Quality

Quality remains at the heart of our manufacturing process. Quality is maintained through the use of the best materials, investment in plant and equipment, the continuous review and refinement of production processes and the operation of strict quality guidelines and rigorous testing. Howe Green and Bilco UK are both ISO9001 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 ensure customer requirements are met.

Values

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

Environment

We are committed to protecting the environment and try to ensure that materials and manufacturing processes used have minimal environmental impact.

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

2. CHOOSE YOUR MATERIAL



Stainless Steel

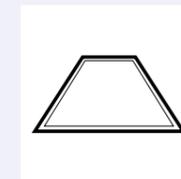
Choose if performance, durability and aesthetics are key. Discrete show edges and choice of lifting points ensure that less of the cover is visible within the flooring. Nature of material allows for greater flexibility for producing deeper, bespoke covers.



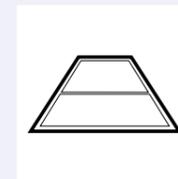
Aluminium

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.

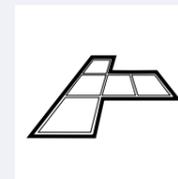
3. CHOOSE YOUR COVER TYPE



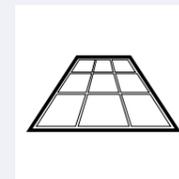
Single Cover



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.

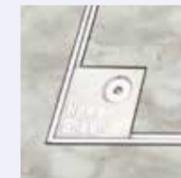
4. STATE INTERNAL OPENING SIZE See Product Overview pages 6-9.

5. IS FIRE RATING REQUIRED? Yes/No.



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

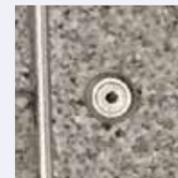
Stainless steel covers



Standard



Inset



Barrel

Aluminium covers



Standard

Stainless steel covers come with a choice of three lifting points:

STANDARD has 50mm² 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
BS476 Part 20:
1987

HARD SURFACES	LOADING Bespoke loading available for most hatches. Contact office for details.	COVER TYPE	DEPTH		CLEAR INTERNAL OPENING		OVERALL FRAME SIZE		FIRE RATED
			Overall Frame Depth A	Max. Flooring Thickness B	Minimum Dimensions	Maximum Dimensions C	Minimum Dimensions	Maximum Dimensions D	
Solid Hardwood, Timber Strip and Heavy Duty Laminates									
2500 Series - Stainless Steel	Light - Pedestrian	Single	25mm	22mm	100mm	Contact office	220mm	Contact office	-
Ceramic Tiles, Marble, Terrazzo, Concrete, Resin, Parquet Floors									
5000 Series - Aluminium	Light - Pedestrian	Single	50mm	18mm	100mm	750mm	220mm	870mm	1 hour
		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	1 hour
		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	3 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	3 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 Type - Aluminium (hinged)	Light - Pedestrian	Single	89mm	25mm	610mm	915mm	814mm	1119mm	-
		Double	89mm	25mm	1065mm	1830mm	1269mm	2034mm	-
FR Type - Aluminium (hinged)	Light - Pedestrian	Single	89mm	N/A	597mm	1168mm	962mm	1422mm	2 hours
HSE75 Series - Aluminium (hinged)	Medium - up to 5 Tonnes	Single	75mm	32mm	550mm*	1000mm*	683mm	1133mm	3 hours
		Duct	75mm	32mm	550mm* span	1000mm* span	683mm span	1133mm span	2 hours
		Multipart	75mm	32mm	Contact office	Contact office	Contact office	Contact office	2 hours
HSE75 Series - Stainless Steel (hinged)	Medium - up to 5 Tonnes	Single	75mm	40mm	550mm*	1000mm*	697mm	1147mm	3 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

All types of hard surfaces including External Grade Paving Slabs (i.e. Granite and Concrete)

*Size does not include hardware obstructions

1050 Series - Stainless Steel	Heavy - up to 6.5 Tonnes	Single	105mm	70mm	100mm	900mm	230mm	1030mm	3 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

Tree Pit Covers

5000 Series - Aluminium	Light - Pedestrian	Tree Pit	50mm	20mm	100mm	750mm	230mm	870mm	-
5000 Series - Stainless Steel			50mm	22mm	100mm	750mm	230mm	880mm	-
7500 Series - Aluminium	Medium - Cars up to 5 Tonnes	Tree Pit	75mm	32mm	100mm	900mm	230mm	1020mm	-
		- Stainless Steel	75mm	40mm	100mm	900mm	230mm	1030mm	-
1050 Series - Stainless Steel	Heavy - up to 6.5 Tonnes	Tree Pit	105mm	70mm	100mm	900mm	230mm	1030mm	-

FLEXIBLE SURFACES

For all types of flexible flooring, Vinyl, Linoleum, Rubber, some Carpets

Visedge Series - Aluminium	Light - Pedestrian	Single	50mm	2-4mm	100mm	1000-1200mm	237mm	1137-1337mm	-
		Duct	50mm	2-4mm	100mm 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 BS476 Part 20: 1987
			Overall Frame Depth	Max. Flooring Thickness	Minimum Dimensions	Maximum Dimensions	Minimum Dimensions	Maximum Dimensions	
			A	B	C	D			
JFR Type - Stainless Steel	Light - Pedestrian	Single	89mm	-	610mm	1830mm	826mm	2046mm	1 hour
5 Bar Series Tread Plate - Aluminium	Light - Pedestrian	Single	50mm	-	150mm	1000mm	287mm	1137mm	-
		Duct	50mm	-	150mm clear span	1000mm span, any length	287mm span	1137mm span, any length	-
JAL Type Drainage - Aluminium	Light - Pedestrian	Single	89mm	-	610mm	1065mm	762mm	1217mm	-
		Double	89mm	-	760mm	1830mm	912mm	1982mm	-
JAL-H2O Type Drainage - Aluminium	Heavy - up to 14.5 Tonnes	Single	89mm	-	610mm	1065mm	762mm	1319mm	-
		Double	89mm	-	760mm	1830mm	1014mm	2084mm	-

WALL AND CEILING ACCESS COVERS



ACCESS	COVER TYPE	DEPTH		CLEAR INTERNAL OPENING		DOOR SIZE		CUT-OUT SIZE		FIRE RATED BS476 Part 20: 1987	
		Overall Frame Depth	Max. Tile Thickness	Minimum Dimensions	Maximum Dimensions	Minimum Dimensions	Maximum Dimensions	Minimum Dimensions	Maximum Dimensions		
		A	B	C							
Tile-a-Door+ - Mild Steel (magnetic)	Tiled wall surfaces	Single	24mm	10mm	Dim - 3mm	Dim - 3mm	150mm	0.16m ²	Dim + 15mm	Dim + 15mm	-
Waldor 50 - Stainless Steel (hinged)	Tiled wall surfaces	Single	50mm	10mm	276mm (H)/200mm (W)	876mm (H)/500mm (W)	300mm	900mm (H)/600mm (W)	307mm	907mm (H)/607mm (W)	-
Maghatch - Primed Zinc-coated Steel	Walls	Single	1-2mm	-	150mm	250mm	210mm	310mm	150mm	250mm	-
Combihatch - Powder-coated EG Steel	Walls	Single	70mm	-	270mm	970mm	300mm	1000mm	310mm	1010mm	-
		Double	70mm	-	270mm	970mm	300mm	1000mm	310mm	1010mm	-
		Single	70mm	-	270mm	970mm	300mm	1026mm	335mm	1061mm	1 hour
		Double	70mm	-	270mm	970mm	300mm	1026mm	335mm	1061mm	1 hour
Combihatch - Powder-coated EG Steel	Ceilings	Single	70mm	-	270mm	970mm	300mm	1000mm	310mm	1010mm	-
		Double	70mm	-	270mm	970mm	300mm	1000mm	310mm	1010mm	-
		Single	70mm	-	270mm	970mm	300mm	900mm	335mm	935mm	1 hour

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).
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FIXED VERTICAL LADDERS

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

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

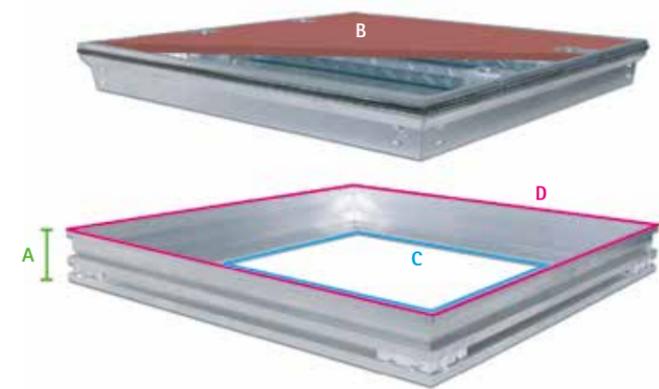
SAFETY AND MAINTENANCE PRODUCTS

Ladder-Up® Safety Post
Cover Skate
Lifting Key
Replacement Bolt

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.

2500 Series

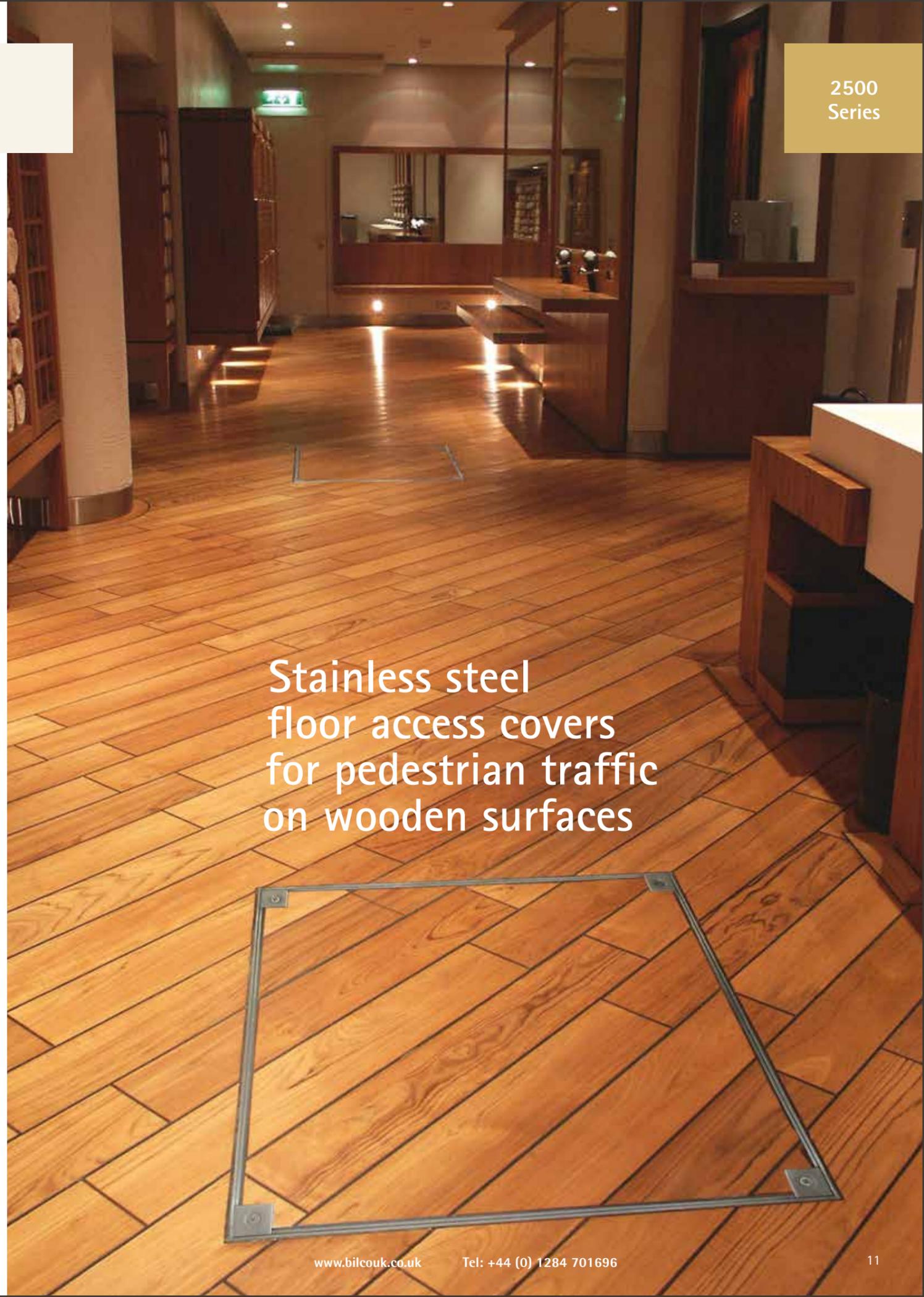


2500 Series

Single Cover



With wood floor infill



Stainless steel floor access covers for pedestrian traffic on wooden surfaces

2500 SERIES SPECIFICATIONS

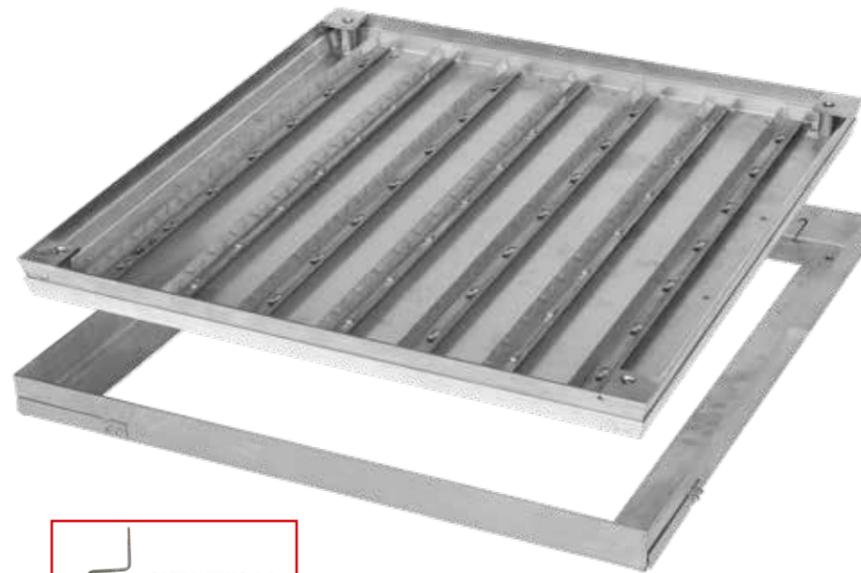
FLOOR FINISHES:	Heavy duty timber floors: Junckers solid hardwood floors, timber strip flooring or heavy-duty laminate flooring.
PERFORMANCE:	Pedestrian traffic (including wheeled trolleys, sack trucks etc.) only.
FEATURES and BENEFITS:	Can be fitted quickly and unobtrusively, ensuring minimum disruption. 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 ² .
INSTALLATION:	Go to www.bilcouk.co.uk

5000 Series

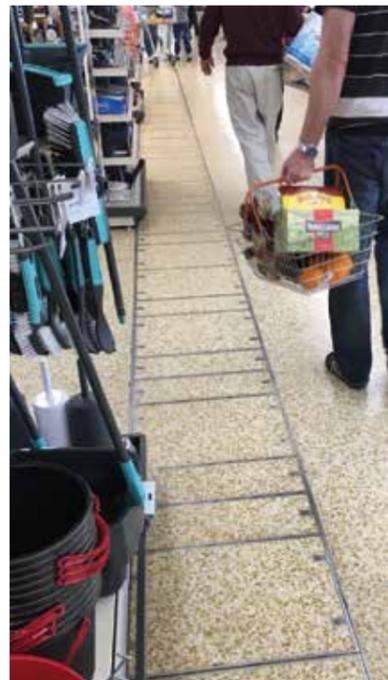


5000 Series

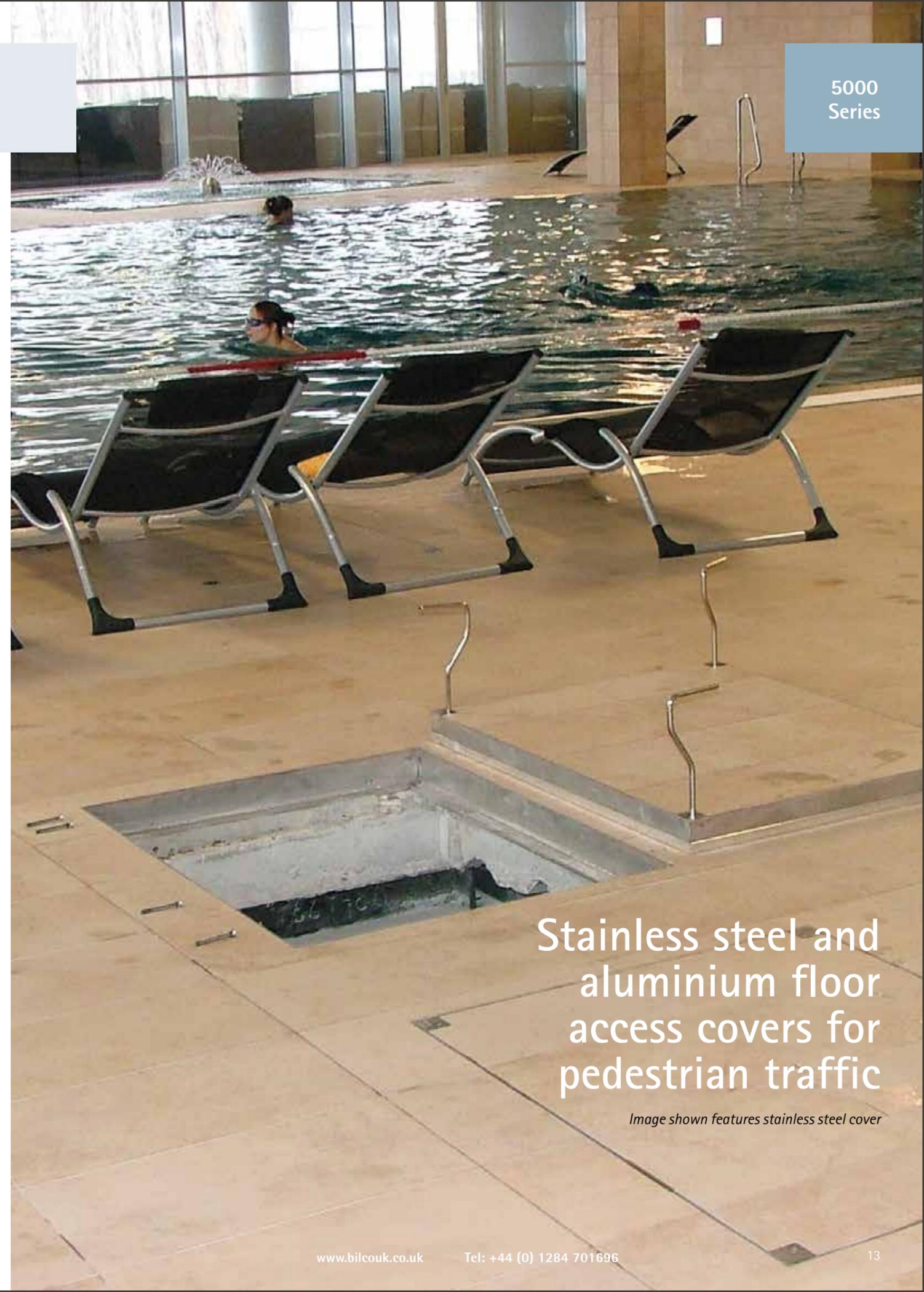
Single Cover • Duct Cover • Multipart Cover



Stainless steel



Aluminium Duct cover



Stainless steel and aluminium floor access covers for pedestrian traffic

Image shown features stainless steel cover

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.
FIRE RATING:	To BS 476: Part 20: 1987 - 1 hour for Single cover only.
SIZES:	See pages 6-7.
WEIGHT:	Approx. 90kg/m ² when filled with concrete.
INSTALLATION:	Go to www.bilcouk.co.uk

7500 Series



HARD FLOOR FINISHES



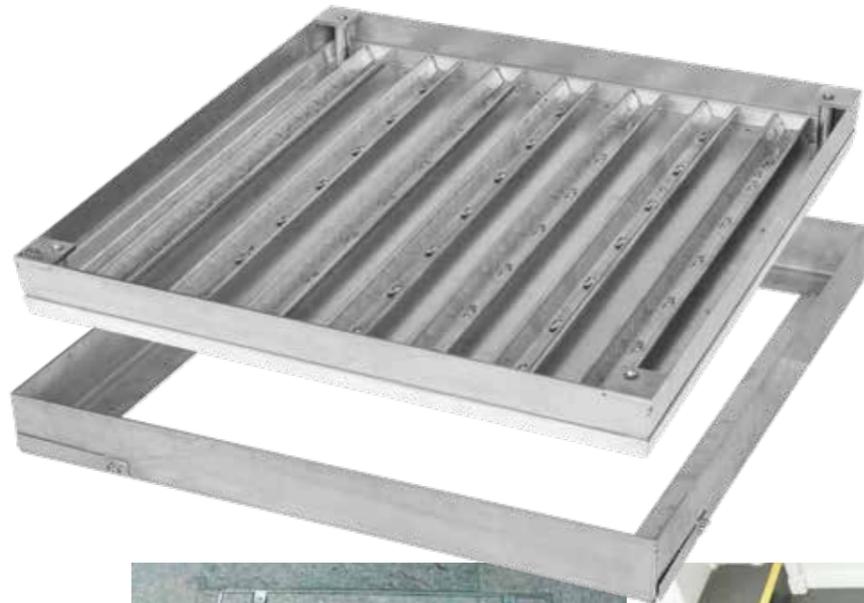
CARS AND LIGHT DELIVERY VEHICLES



2-3 HOURS FIRE RATED

7500 Series

Single Cover • Duct Cover • Multipart Cover



Stainless steel



Aluminium Multipart covers

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

Image shown features aluminium cover

7500 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. 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: To BS 476: Part 20: 1987 - 3 hours for Single cover, 2 hours for Duct and Multipart covers.

SIZES: See pages 6-7.

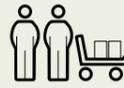
WEIGHT: Approx. 155kg/m² when filled with concrete.

INSTALLATION: Go to www.bilcok.co.uk

TER Series



HARD FLOOR FINISHES



PEDESTRIAN TRAFFIC

TER Series

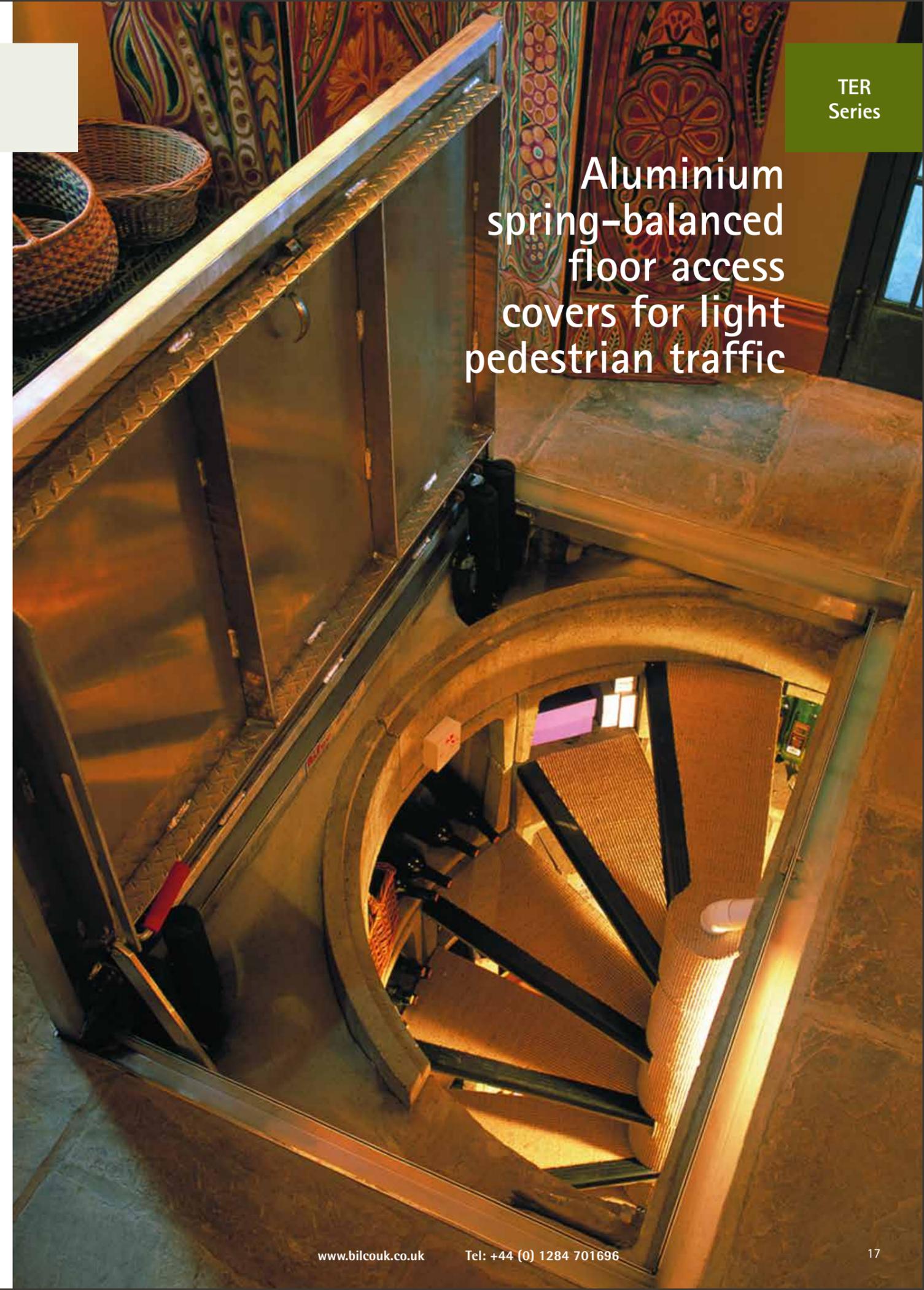
Single Cover • Double Cover



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 ² 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.bilcok.com for standard sizes.
WEIGHT:	Will require a maximum force of approx. 10kg to open when filled and installed correctly.
INSTALLATION:	Go to www.bilcok.co.uk

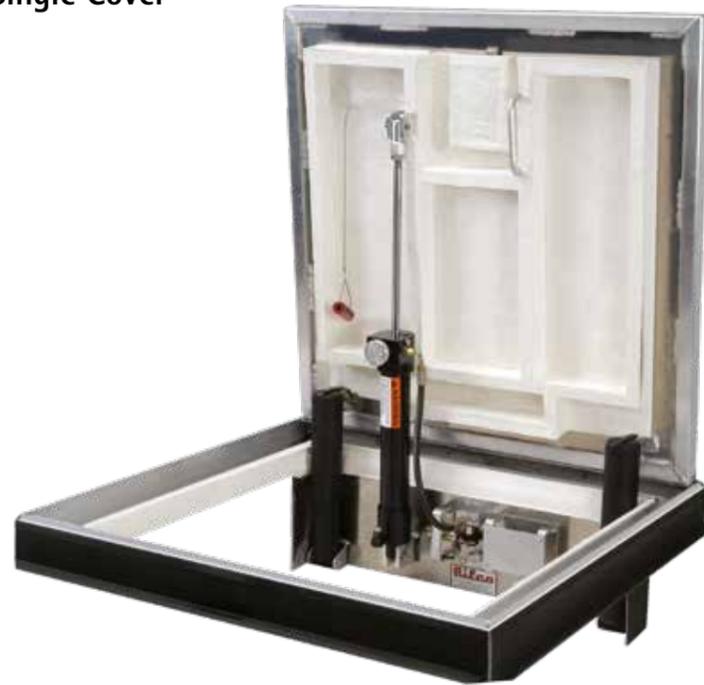


FR Series



FR Series

Single Cover



Top side - ready to accept floor finish



Aluminium
two-hour fire
rated floor access
covers for light
pedestrian traffic

FR 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. Primarily used as a secondary means of escape from plant rooms.
FIRE RATING:	Two-hour fire rating to BS 476: Part 22 and UL-listed (file R15197) when exposed to fire from the underside (Certified by Chiltern Fire International - ask for indicative test report).
LOADING:	Reinforced for 732kg/m ² live load with 25mm fillable pan to take architectural flooring material up to 13mm thickness with remaining depth filled with concrete to maintain fire rating.
MECHANISM:	Optional pneumatic self-closing system that automatically closes the door in the event of a fire when heat parts a UL listed 74°C fusible link. Mechanical hold-open system with release button automatically holds the cover in the open position.
FRAME:	Extruded aluminium frame with built in anchor flange around the perimeter. Intumescent fire coating applied on the interior surfaces of the frame.
SIZES:	See pages 6-7 for dimension ranges and www.bilcouk.com for standard sizes.
WEIGHT:	Will require a maximum force of approx. 15kg to open when filled and installed correctly.
INSTALLATION:	Go to www.bilcouk.co.uk



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 20: 1987 - 3 hours for Single cover, 2 hours for Duct and Multipart covers.

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.bilcouk.co.uk

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

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 vehicles up to 6.5 tonne (6,500kg) pneumatic tyre wheel load. Suitable for both internal and external hard floors.

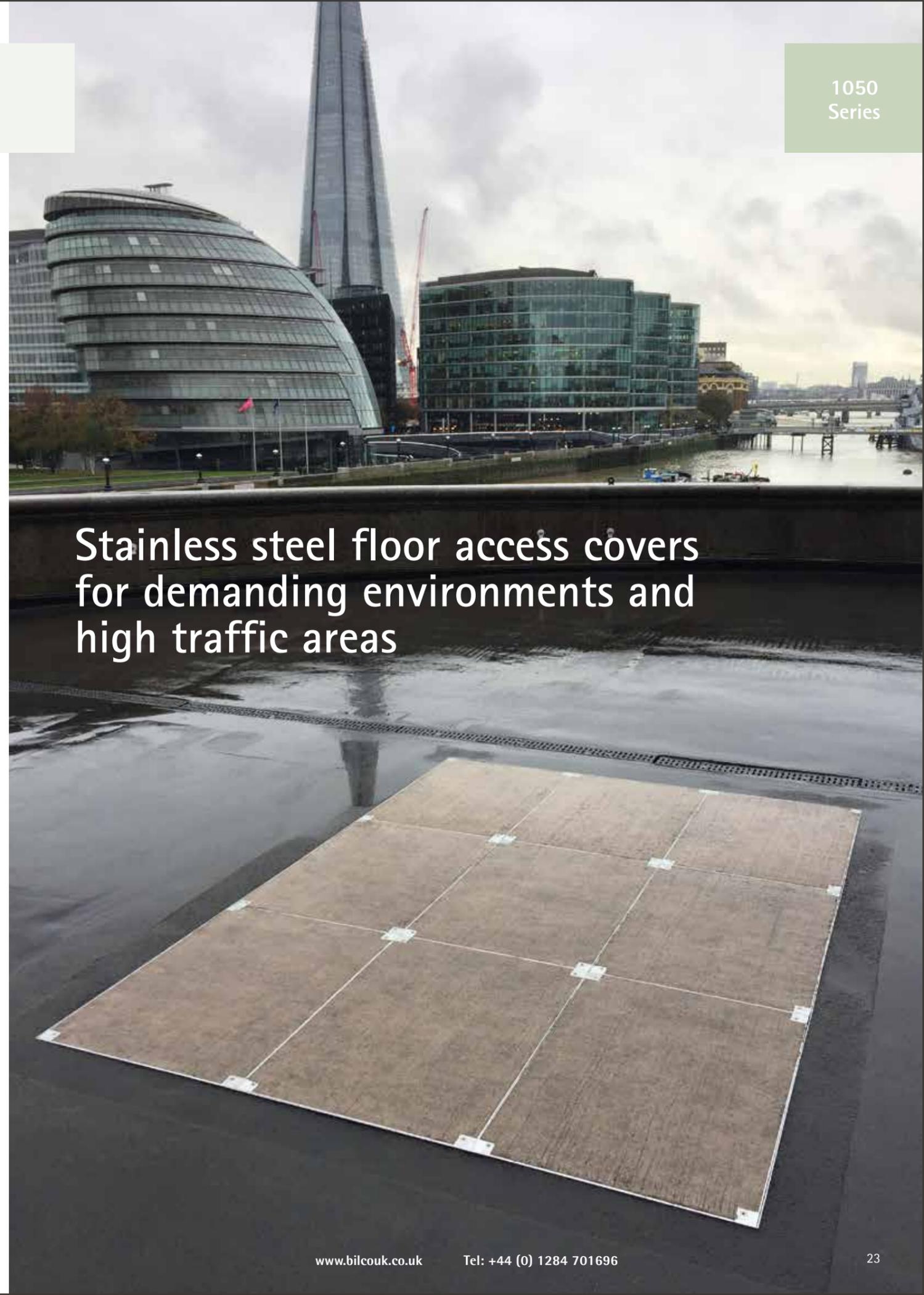
FEATURES and BENEFITS: Can be fitted quickly and unobtrusively, ensuring minimum disruption. Unique cover sections are tapered for easy removal, frame sections give a good key to bedding mortar. Double sealed with socket head securing bolts complete with all necessary removable sealing cross-members 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: To BS 476: Part 20: 1987 - 3 hours for Single cover, 2 hours for Duct and Multipart covers.

SIZES: See pages 6-7.

WEIGHT: Approx. 200kg/m² when filled with concrete.

INSTALLATION: Go to www.bilcouk.co.uk



Tree Pit Covers



Tree Pit Covers



Top: Tree Pit cover in an indoor 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.bilcouk.co.uk

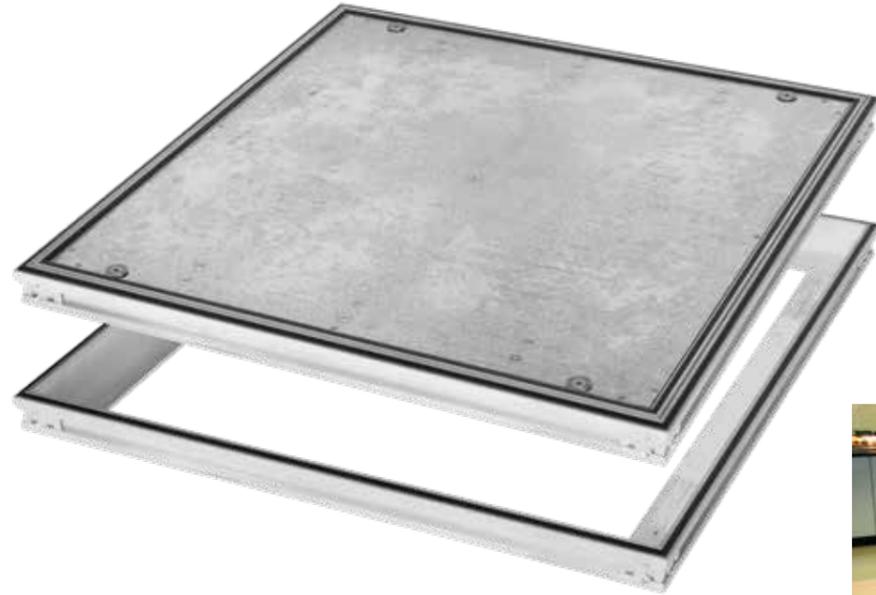
Stainless steel and aluminium tree pit covers for all types of loading

Visedge Series



Visedge Series

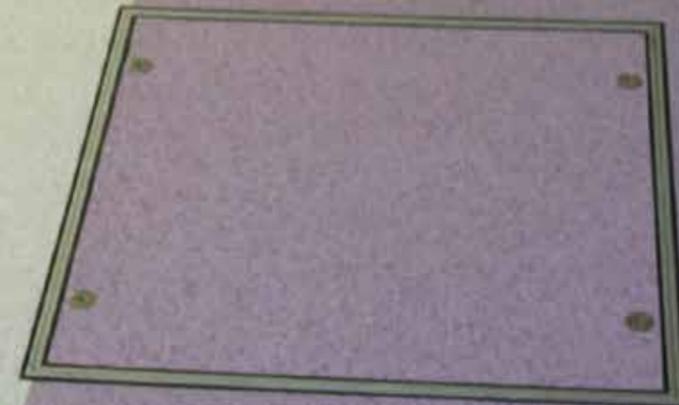
Single Cover • Duct Cover • Multipart Cover



Aluminium floor access covers for use with flexible floor coverings

VISEGE 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:	<p>Can be fitted quickly and unobtrusively, ensuring minimum disruption.</p> <p>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.</p> <p>The aluminium and steel construction is tough, light and corrosion resistant.</p> <p>Crimped corners allow the cover and frame to lie completely flat.</p> <p>The unique Howe Green double seal construction forms the most positive seal to drainage, electrical and other ducts.</p> <p>Provides easy access to underfloor services using lifting keys.</p> <p>Trade mark registration numbers 000807842 (EU) and 00001471054 (UK).</p>
SIZES:	See pages 6-7.
WEIGHT:	Approx. 30kg/m ² .
INSTALLATION:	Go to www.bilcouk.co.uk



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 C.N.C. 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: Bespoke wall access cover

Bottom centre: Circular cover

Bottom right: Drainage solutions



Special Applications



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

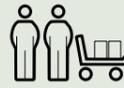
Paul Norman, Scena Projects

"We develop and deliver solutions to solve any challenges our customers face"

JFR Fire Doors



HARD FLOOR FINISHES



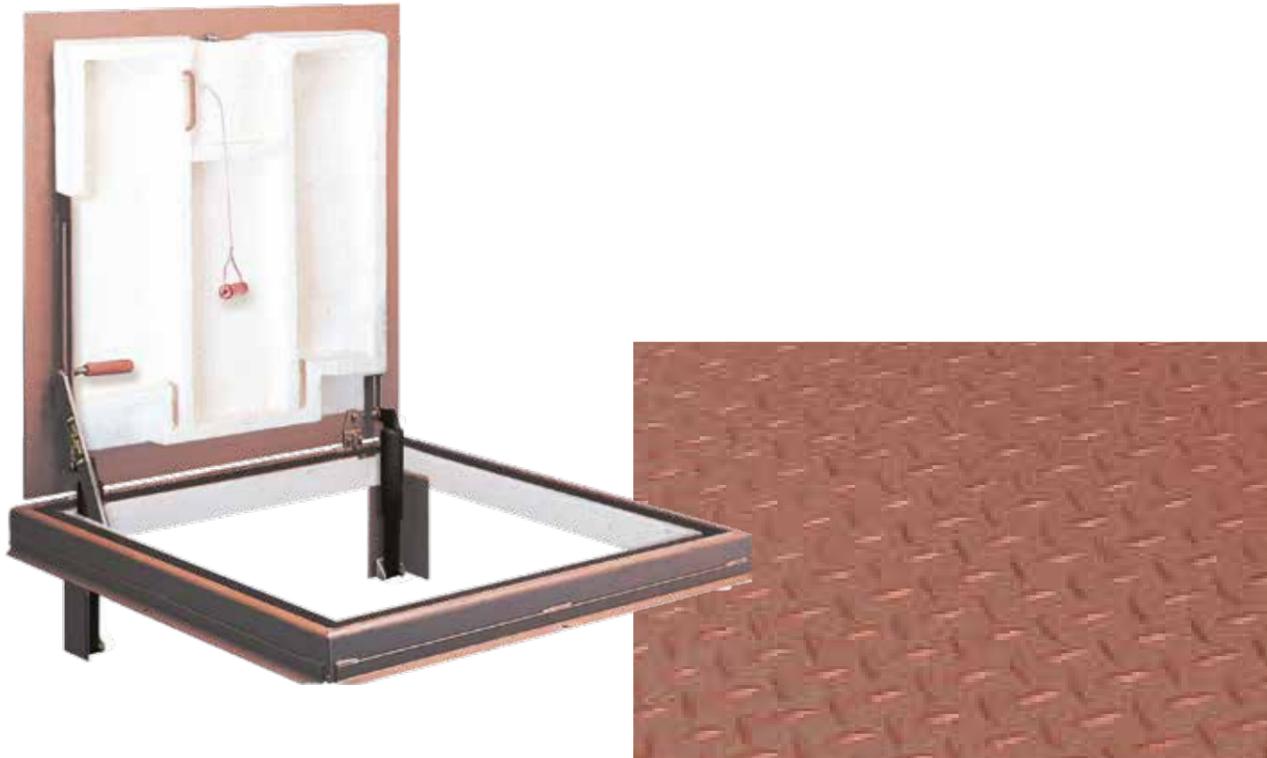
PEDESTRIAN TRAFFIC



1 HOUR FIRE RATED

JFR Fire Doors

Single Cover



Diamond pattern cover

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 ² live load. Special sizes are available, but certification only available with a maximum size of 1.14m ² . 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 6-7 for dimension ranges and www.bilcouk.com for standard sizes.
WEIGHT:	Will require a maximum force of approx. 15kg to open when installed correctly.
INSTALLATION:	Go to www.bilcouk.co.uk



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/m².

INSTALLATION: Go to www.bilcouk.co.uk

J-AL Drainage Doors



J-AL
Drainage
Doors

Single Cover • Double Cover



Debris Gasket



Adjustable anchor tabs

Aluminium drainage covers for light pedestrian traffic



J-AL DRAINAGE DOORS SPECIFICATIONS

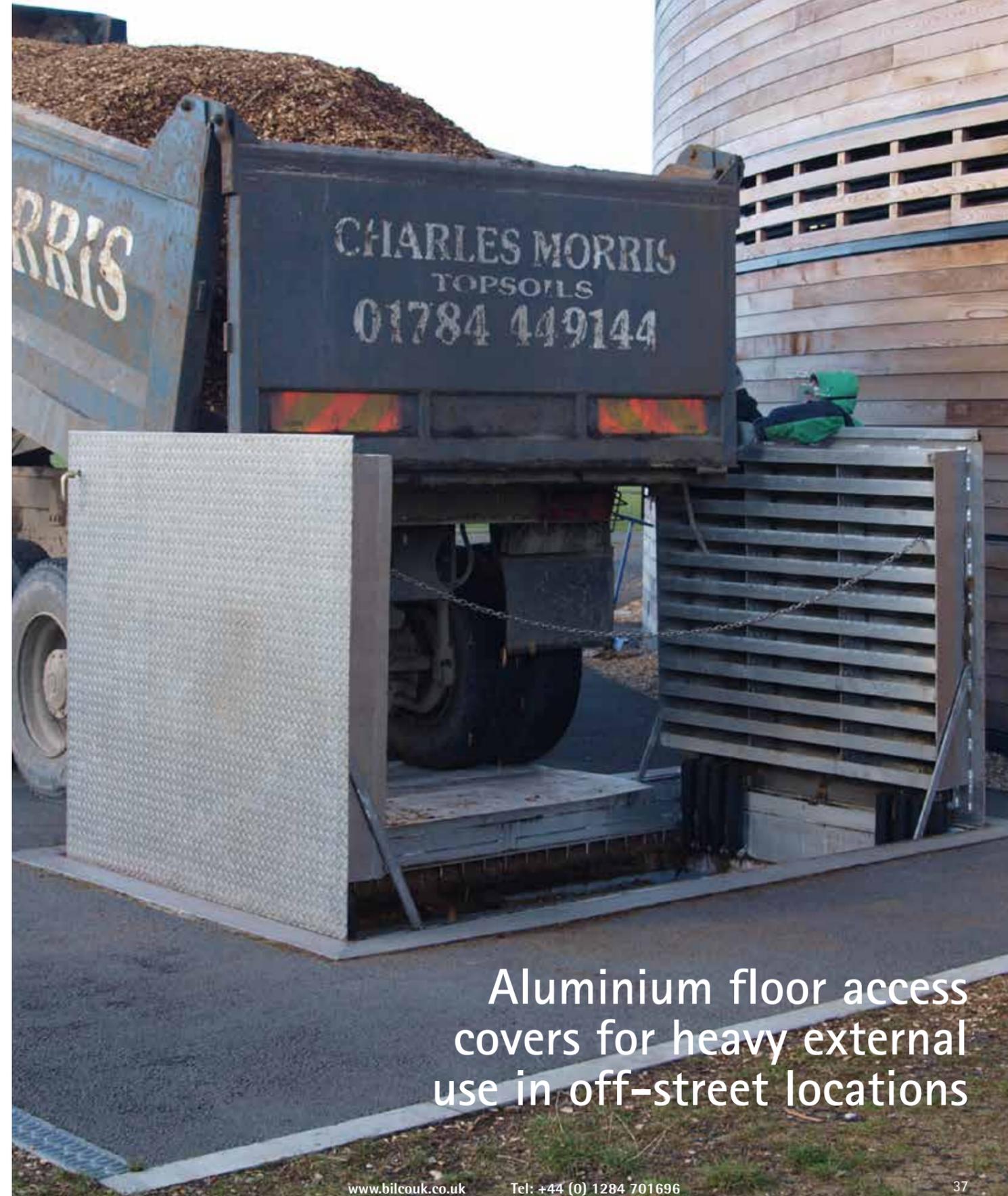
FLOOR FINISHES:	Solid slip-resistant top cover. No infill required.
PERFORMANCE:	Pedestrian traffic (including wheeled trolleys, sack trucks etc.) only.
LOADING:	6mm diamond pattern plate and reinforced for a 1464kg/m ² live load. Features anti-corrosion hardware, standard debris gasket, and a versatile 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 6-7 for dimension ranges and www.bilcouk.com for standard sizes.
WEIGHT:	Will require a maximum force of approx. 10kg to open when installed correctly.
INSTALLATION:	Go to www.bilcouk.co.uk

J-AL H20 Drainage Doors



J-AL H20 Drainage Doors

Single Cover • Double Cover



J-AL H20 DRAINAGE DOORS SPECIFICATIONS

FLOOR FINISHES:	Solid slip-resistant top cover. No infill required.
PERFORMANCE:	Heavy-duty loading for vehicle access in off-street locations, up to 14.5 tonne (14,500kg) axle load.
LOADING:	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.
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 by 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 6-7 for dimension ranges and www.bilcoak.com for standard sizes.
WEIGHT:	Will require a maximum force of approx. 10kg to open when installed correctly.
INSTALLATION:	Go to www.bilcoak.co.uk

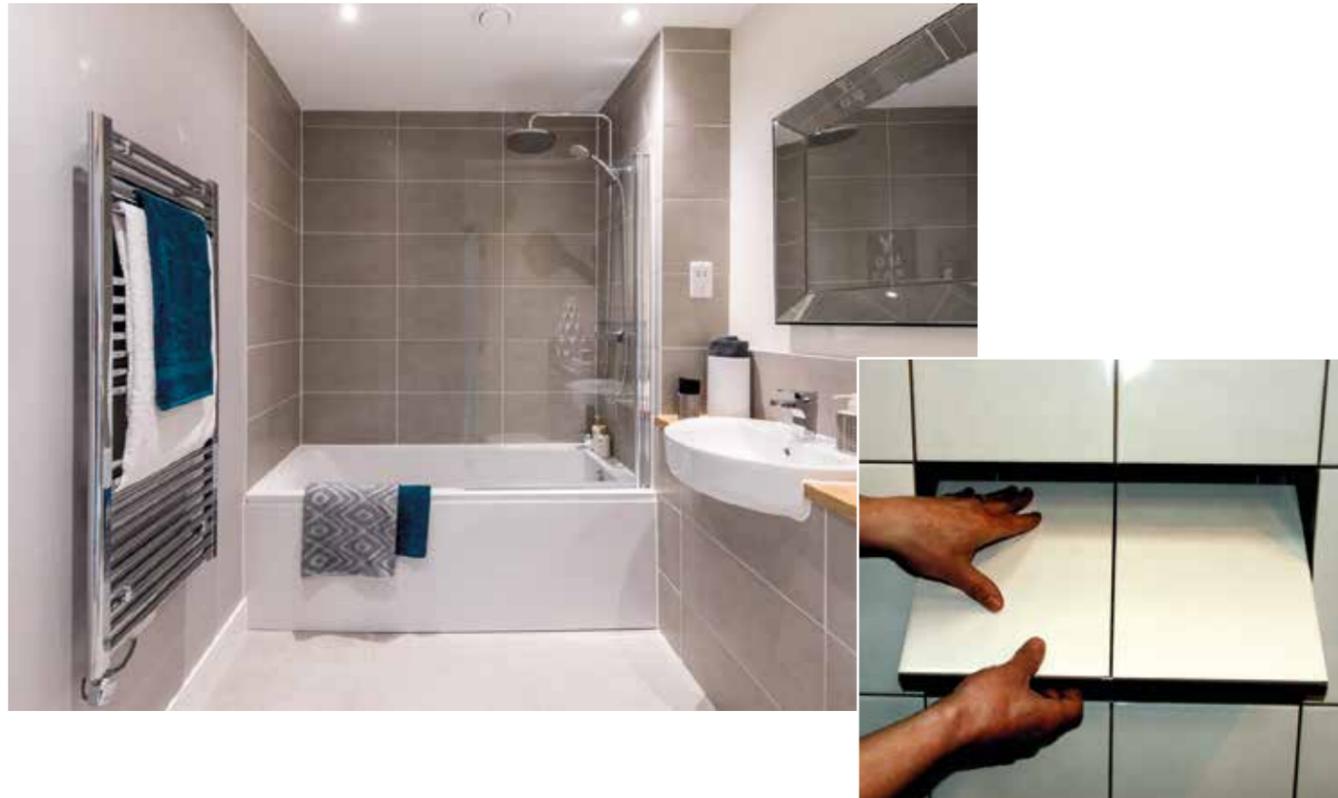
Aluminium floor access covers for heavy external use in off-street locations

Tile-a-Door+



Single Cover • For access through tiled wall surfaces for occasional use

Removable, hinged stainless steel wall access panel for easy economical access to concealed services.



TILE-A-DOOR+ SPECIFICATIONS

SUITABILITY:	Walls with tiled finishes up to 12mm thick where occasional access is required, popular for both new build and refurbishment projects.
LOCKING SYSTEM:	Supplied with magnetic latches, with the option of budget or security locks if required.
MATERIAL:	Electro-galvanised mild steel. Special finishes, e.g. brushed Stainless Steel, available on request.
FINISHING:	Ready primed to tile, accepting up to a 10mm thick finish.
OPTIONS:	For options please call the office.
SIZES:	Manufactured to order. See pages 8-9 for maximum and minimum sizes.
MAINTENANCE FREE:	Designed to ensure accurate and unobtrusive installation with no further maintenance once installed.
INSTALLATION:	Go to www.bilcouk.co.uk

Waldor 50



Single Cover • For access through tiled wall surfaces for regular use

Corrosion resistant stainless steel wall access panel with concealed hinge "push/pull" or security lock systems.



Main image (left) shows security locking system, inset (above) shows concealed push/pull locking mechanism

WALDOR 50 SPECIFICATIONS

SUITABILITY:	Walls with tiled finishes up to 12mm thick where regular access is required, popular for both new build and refurbishment projects.
LOCKING SYSTEM:	Option of push/pull concealed or security locks.
MATERIAL:	1.5mm corrosion-resistant Stainless Steel with patented concealed hinge.
FRAME:	Stainless Steel show edge is available for both door and frame.
OPTIONS:	For options please call the office.
SIZES:	Manufactured to order. See pages 8-9 for maximum and minimum sizes.
MAINTENANCE FREE:	Designed to ensure accurate and unobtrusive installation with no further maintenance once installed.
INSTALLATION:	Go to www.bilcouk.co.uk

Maghatch



PLASTER WALLS

Single Cover • For access through plastered wall surfaces for occasional use

Gives access to concealed services within walls such as valves or rodding points, and is bonded to the wall using a panel adhesive.



MAGHATCH SPECIFICATIONS

SUITABILITY:	All plaster walls where occasional access is required, popular for both new build and refurbishment projects.
LOCKING SYSTEM:	None - frame simply bonds to the wall and the cover attaches magnetically.
MATERIAL:	1.2mm thick zinc-coated steel.
FINISHING:	Ready primed to accept a paint finish.
OPTIONS:	For options please call the office.
SIZES:	Manufactured to order. See pages 8-9 for maximum and minimum sizes.
MAINTENANCE FREE:	Designed to ensure accurate and unobtrusive installation with no further maintenance once installed.
INSTALLATION:	Go to www.bilcouk.co.uk

Combihatch



PLASTER WALLS



PLASTER CEILING



1 HOUR FIRE RATED

Maghatch

Combihatch

Single Cover • Double Cover • For access through walls and ceilings for regular use

Gives access to concealed services within walls and ceilings.



COMBIHATCH SPECIFICATIONS

SUITABILITY:	Suspended ceilings and all plaster walls and ceilings where regular access is required.
LOCKING SYSTEM:	Can be fitted with either budget or security locks.
MATERIAL:	1.2mm electro-galvanised mild steel, powder coated to RAL 9003 matt finish.
FRAME:	Outer frame can incorporate a plaster bead or picture frame surround.
FINISHING:	Powder coating.
FIRE RATING:	One-hour fire rating to BS 476: Part 22.
OPTIONS:	For options please call the office.
SIZES:	Manufactured to order. See pages 8-9 for maximum and minimum sizes.
MAINTENANCE FREE:	Designed to ensure accurate and unobtrusive installation with no further maintenance once installed.
INSTALLATION:	Go to www.bilcouk.co.uk

Channel Drain Solutions



Channel
Drain
Solutions

HG100 • HG200

HG100
Linear drainage channel with a choice of four grating covers (see below)

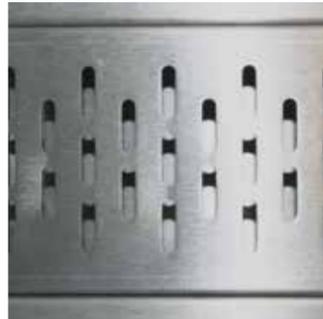


HG200
Slot drainage channel

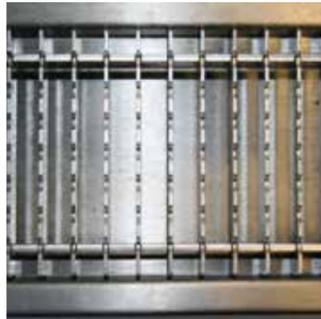


Corrosion-resistant stainless steel channel drain solutions

HG100 GRATING OPTIONS



HG100 shower grating cover



HG100 anti-slip ladder grating cover



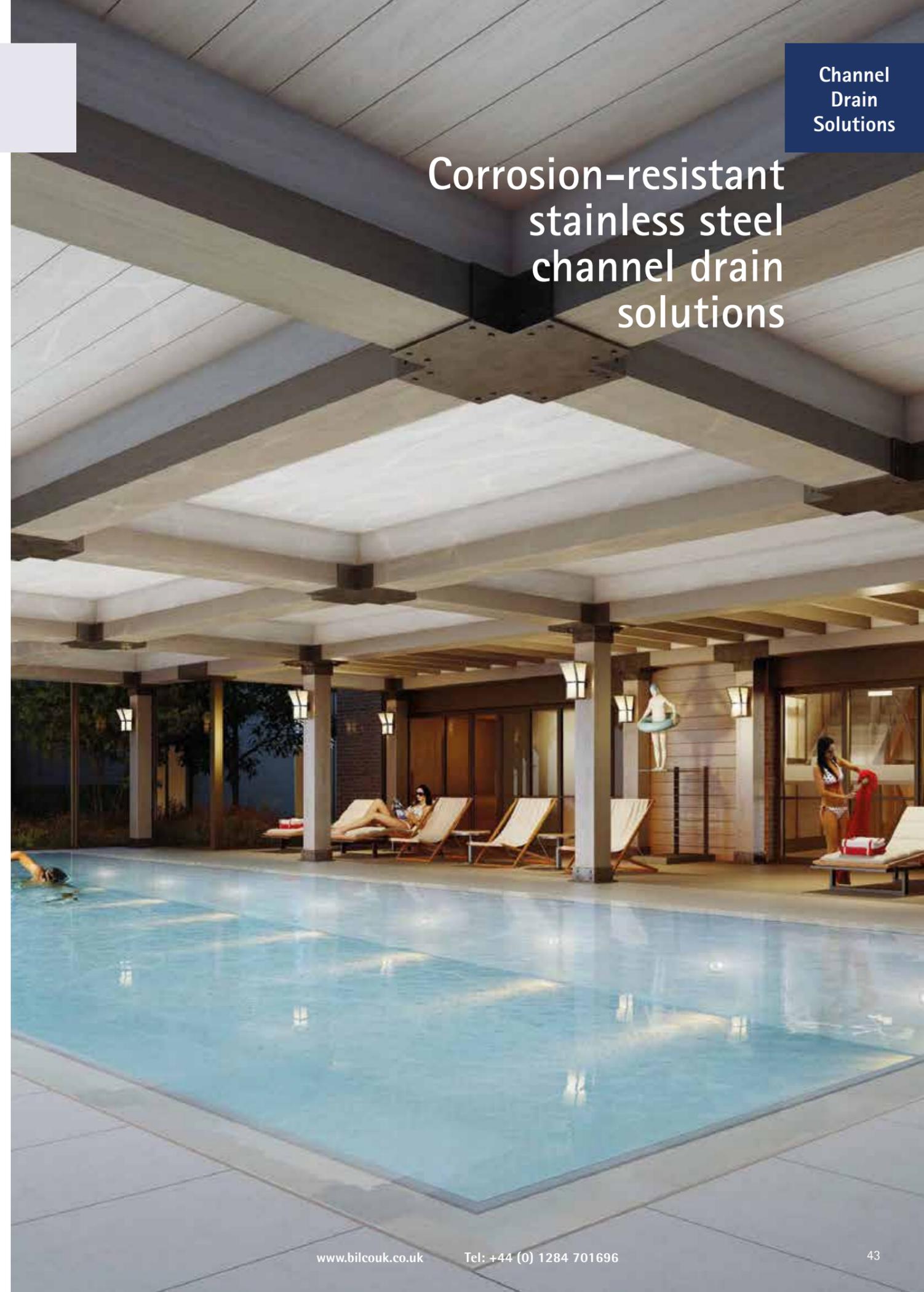
HG100 fine-linear grating cover



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.bilcouk.co.uk



Visedge DS Series



Securing Edge Trim

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



VISEEDGE DS SPECIFICATIONS

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

Visedge VR Series



Visedge Edge Trimmings

Securing Edge Trim

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



VISEEDGE VR SPECIFICATIONS

USAGE:	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.
FLOOR FINISHES:	For junctions of flexible sheeting (e.g. vinyl or linoleum) and hard paving (e.g. ceramic tiling etc.).
PERFORMANCE:	Pedestrian traffic (including wheeled trolleys, sack trucks etc.) only.
MAINTENANCE FREE:	Designed to ensure accurate and unobtrusive installation with no further maintenance once installed.
SIZES:	Supplied in packs of 5 x 2m lengths.
INSTALLATION:	Go to www.bilcouk.co.uk

Fixed Vertical Ladder

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	

MILD STEEL

LADDER: Mild steel.
Stand off brackets from 50mm x 10mm flat bar.

STILES: 50mm x 10mm flat bar.

RUNG: 20mm round bar.

LADDER WIDTH: 488mm.

FINISH: Galvanised.

OPTIONS: LadderUp® Safety Post.

TYPE	SIZE	APPROX. WEIGHTS
BL-S-1	2.0 - 2.8m	35-41kg
BL-S-2	Above 2.8 - 3.6m	41-53kg
BL-S-3	Above 3.6 - 4.4m	53-65kg
BL-S-4	Above 4.4 - 5.2m	65-76kg
BL-S-5	Above 5.2 - 6.0m	76-88kg
BL-S-SS	Special sizes available on request	



Manufactured in either aluminium or galvanised steel, 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 BS4211:2005 + 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.

Fixed Vertical Ladder

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 BS4211: 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	

MILD STEEL

LADDER: Mild steel.
Stand off brackets from 50mm x 10mm bar.
Guardrail Height: 1100mm.

STILES: 50mm x 10mm flat bar.

RUNG: 20mm round bar.

LADDER WIDTH: 488mm.

SAFETY CAGE: Cages above 2200-3000mm.

STRAP: 50 x 10mm alloy bar.
5 x straps as BS4211: 2005 + A1 2008.

FIXINGS: Dome head bolts.

FINISH: Galvanised.

OPTIONS: LadderUp® Safety Post.

TYPE	SIZE	APPROX WEIGHTS
BL-S-WH1	2.0 -2.8m	45-53kg
BL-S-WH2	Above 2.8 - 3.6m	53-60kg
BL-S-WH3	Above 3.6 - 4.4m	60-77kg
BL-S-WH4	Above 4.4 - 5.2m	77-94kg
BL-S-WH5	Above 5.2 - 6.0m	94-111kg
BL-S-WHSS	Special sizes available on request	



Fixed Vertical Ladder

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 BS4211: 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-WGSS	Special sizes available on request	

MILD STEEL

LADDER: Mild steel.
Stand off brackets from 50mm x 10mm bar.
Guardrail Height: 1100mm.

STILES: 50mm x 10mm flat bar.

RUNG: 20mm round bar.

LADDER WIDTH: 488mm.

SAFETY CAGE: Cages above 2200-3000mm.

STRAP: 50 x 10mm alloy bar.
5 x straps as BS4211: 2005 + A1 2008.

FIXINGS: Dome head bolts.

FINISH: Galvanised.

OPTIONS: LadderUp® Safety Post.

TYPE	SIZE	APPROX WEIGHTS
BL-S-WG1	2.0 -2.8m	105-112kg
BL-S-WG2	Above 2.8 - 3.6m	112-119kg
BL-S-WG3	Above 3.6 - 4.4m	119-136kg
BL-S-WG4	Above 4.4 - 5.2m	136-153kg
BL-S-WG5	Above 5.2 - 6.0m	153-170kg
BL-S-WGSS	Special sizes available on request	



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

Safety and Maintenance Products



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



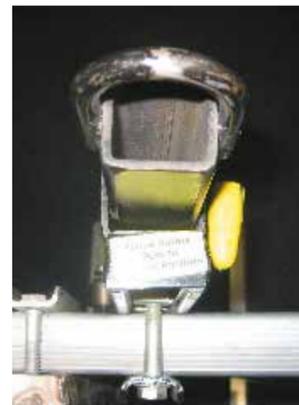
Adjustable mounting



Automatically locks off



Telescopic design



Handy release lever

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



Safety and Maintenance Products

Cover
Skate

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.

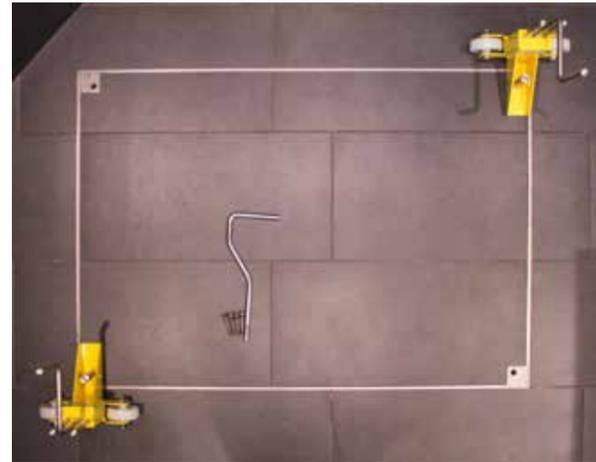
This means you need fewer people to do the job and do not have to worry about the health and safety issues that come with using bigger pieces of equipment.

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 covers.
- Easy to carry and store
- Very durable and corrosion resistant
- Simple and quick to use
- 300kg lift from each "Cover Skate"
- Lifting keys to suit other manufacturers' covers available to order

Visit the website to see
a video of the Cover
Skate in action



Makes light
work of moving
heavy floor
access covers