

ACO Civil Construction Products

Cover / Grate & Frame Systems



ACO ACCESS

Product Catalogue and Technical Handbook

**Access Covers, Grate and Frame systems for all
applications conforming to EN124**

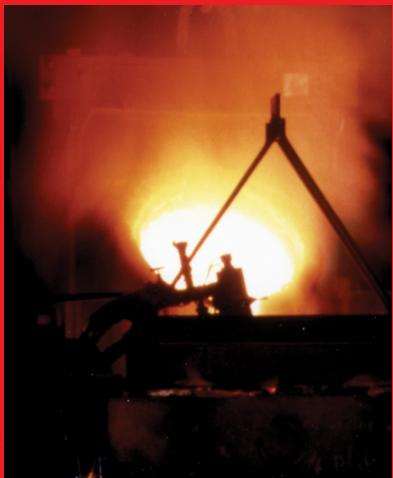


The ACO Group

Established in 1946, the ACO Group has manufactured products for over 60 years for the construction industry. The group operates on a global basis through its subsidiaries and manufacturing facilities in over 40 countries. ACO is an acknowledged innovator in products manufactured from ductile iron, and other corrosion resistant materials. ACO employs more than 3,800 people and has sales in excess of \$1 billion.



ACO Polycrete Pty Ltd, Sydney



Innovators

ACO believes in excellence of design and quality of its extensive product portfolio.

This attention to detail and continuous product innovation differentiates ACO products from its imitators and gives customers confidence in selecting a quality product.

All products are designed and tested to meet the latest industry standards and ACO uses the latest design software, such as FEA (Finite Element Analysis) to ensure superior product performance and economical design.



ACO Access

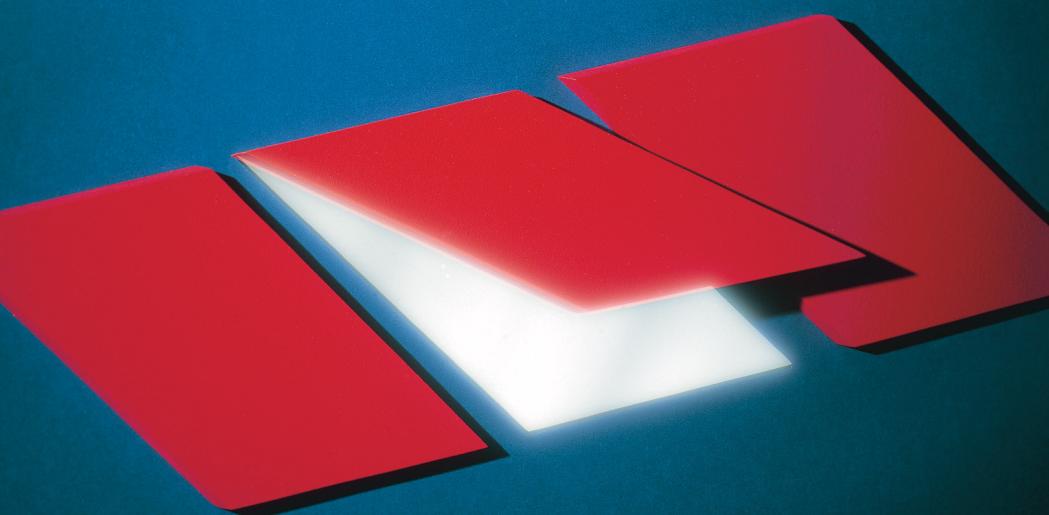
Access covers, also known as cover and frame systems, comprise a cover (or grate) seated into a frame installed integrally into pavement/slab above an enclosure or trench.

ACO's range includes:

| | |
|---|-----------------|
| Rhinocast - Ductile Iron Infill Cover & Frame Systems | pp 6-8 |
| Rhinocast - Ductile Iron Solid Top Cover & Frame Systems | pp 9-11 |
| Rhinocast - Ductile Iron Infill Cover & Frame Trench Runs | p 12 |
| Rhinocast - Multipart Cover & Frame | p 13 |
| Servokat - Assist Lift Cover Systems | p 14 |
| Rhinocast - Ductile Iron, Sump Grate & Frame Systems | pp 15-17 |
| Rhinocast - Accessories | p 19 |

The Benefits

- ACO globally manufactures and distributes a comprehensive range of access covers.
- Rhinocast covers & grates are made from durable ductile iron in a choice of
 - load classes (see page 4 & 5)
 - sizes, including trench and multipart configurations
 - recessed and solid top covers
 - tee & cellular frames
- ACO has certified testing equipment operated by fully trained and certified technicians and offers a free technical support service (see page 18).
- Foundry Certified to ISO 9001



Load Class

'This standard applies to gully tops and manhole tops with a clear opening up to and including 1000mm, for installation within areas subjected to pedestrian and/or vehicular traffic'. (Clause 1-Scope, EN124)

To give designers, installers and users assistance in selecting the correct access cover. The table below is based on loadings outlined in EN124.

In practice however, there are a number of key factors affecting a cover's resistance to load:

Type of traffic - pedestrians, cars, trucks, forklifts etc. crossing the cover. For trolleys and forklifts particularly, consider the weight of loads being carried.

Frequency of traffic - more frequent traffic may justify a heavier load class classification.

Speed of traffic - fast moving traffic can intensify the load effect on the cover.

Position of cover - if the cover is positioned where traffic will be turning, braking or if the cover is installed at the bottom of a ramp, it will be subjected to extreme forces. Selecting the right cover and frame is essential.

Wheel type - solid tyres exert loads through smaller contact areas than pneumatic tyres. A heavier duty cover may be required

EN124 table of load classification

| Typical Uses¹ | | | | | |
|---|--|--|---|--|--|
| Areas which can be used by pedestrians and pedal cyclists | Footways, pedestrian areas and comparable areas, car parks or parking decks. | For gully tops installed in the area of kerbside channels of roads which when measured from the kerb edge, extend a maximum of 0.5m into the carriageway and a maximum of 0.2m into the footway. | Carriageways of roads (including pedestrian streets), hard shoulders and parking areas, for all types of road vehicles. | Areas imposing high wheel loads, eg. Docks, aircraft pavements | Areas imposing particularly high wheel loads, eg. aircraft pavements |
| Load Class A 15kN | Load Class B 125kN | Load Class C 250kN | Load Class D 400kN | Load Class E 600kN | Load Class F 900kN |

¹ Load class classifications from Clause 5, EN124

Rhinocast - Ductile Iron Cover & Frame Systems

Square/rectangular, trench run and multipart covers - pp 6 -13

Rhinocast - Ductile Iron Grate & Frame Systems

Square/rectangular - pp 15-17

Servokat Cover - Systems

Square/rectangular - p 14

ACO Access Product Selector

This diagram is provided as a guide to aid selection of the right access cover. It illustrates the various applications where access covers are used.



F900kN

1

2

Extra heavy wheel loads - airports, military traffic etc.



E600kN

1

2

Very heavy wheel loads as encountered on container terminals, docks and mining areas

1 Rhinocast covers

2 Servokat covers



D400kN

1

2

Heavy wheel loads as found on motorways and highways.

NOTE: The load classes shown above are indicative only. It is the customer's responsibility to determine/verify the anticipated design loads for each application. Engineering advice may be necessary.



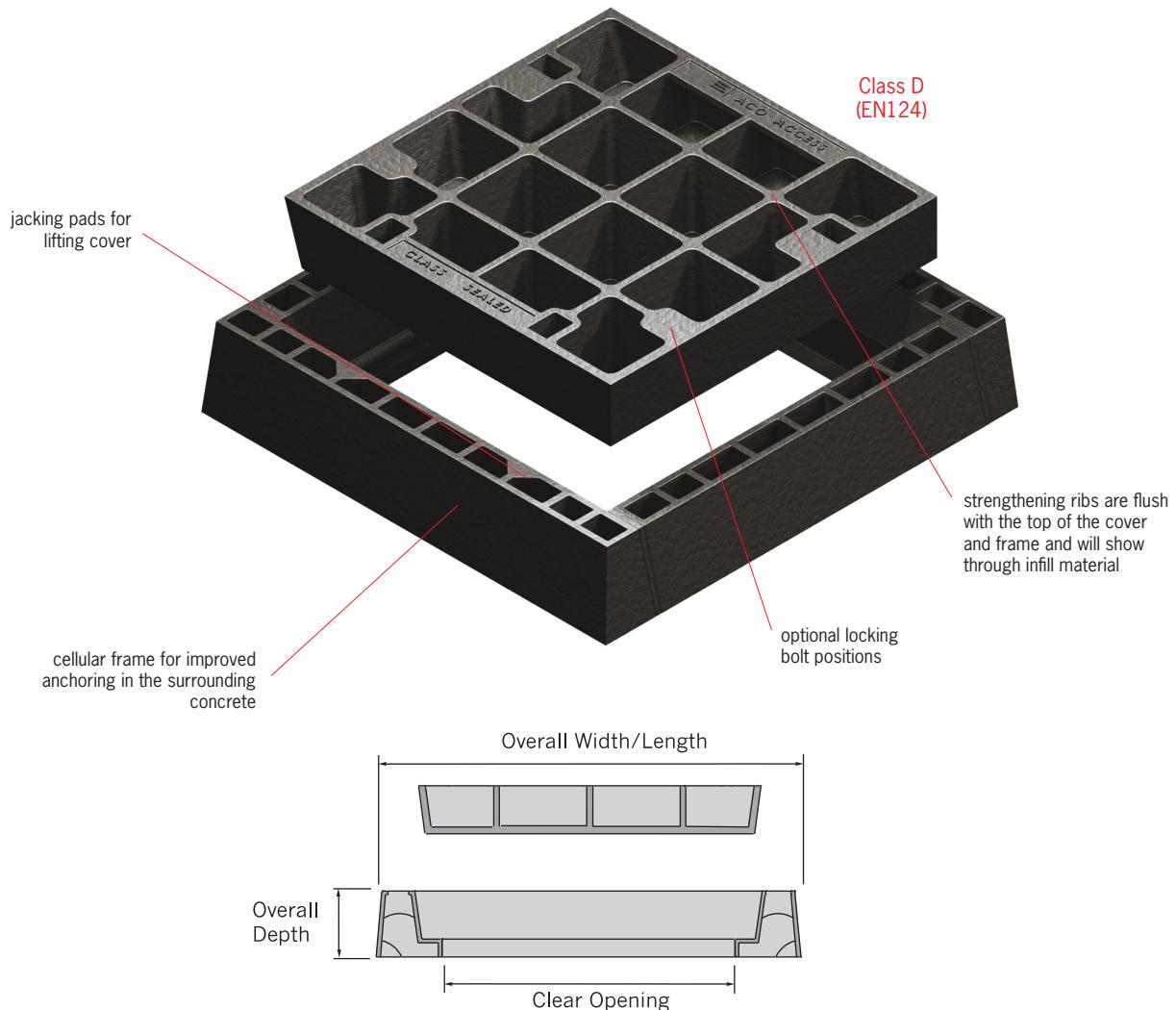
C250kN

2

Light vehicular traffic. Minor roads such as cul-de-sacs and parking areas

Rhinocast - Single Part, Ductile Iron Infill Cover & Frame -Class D400kN

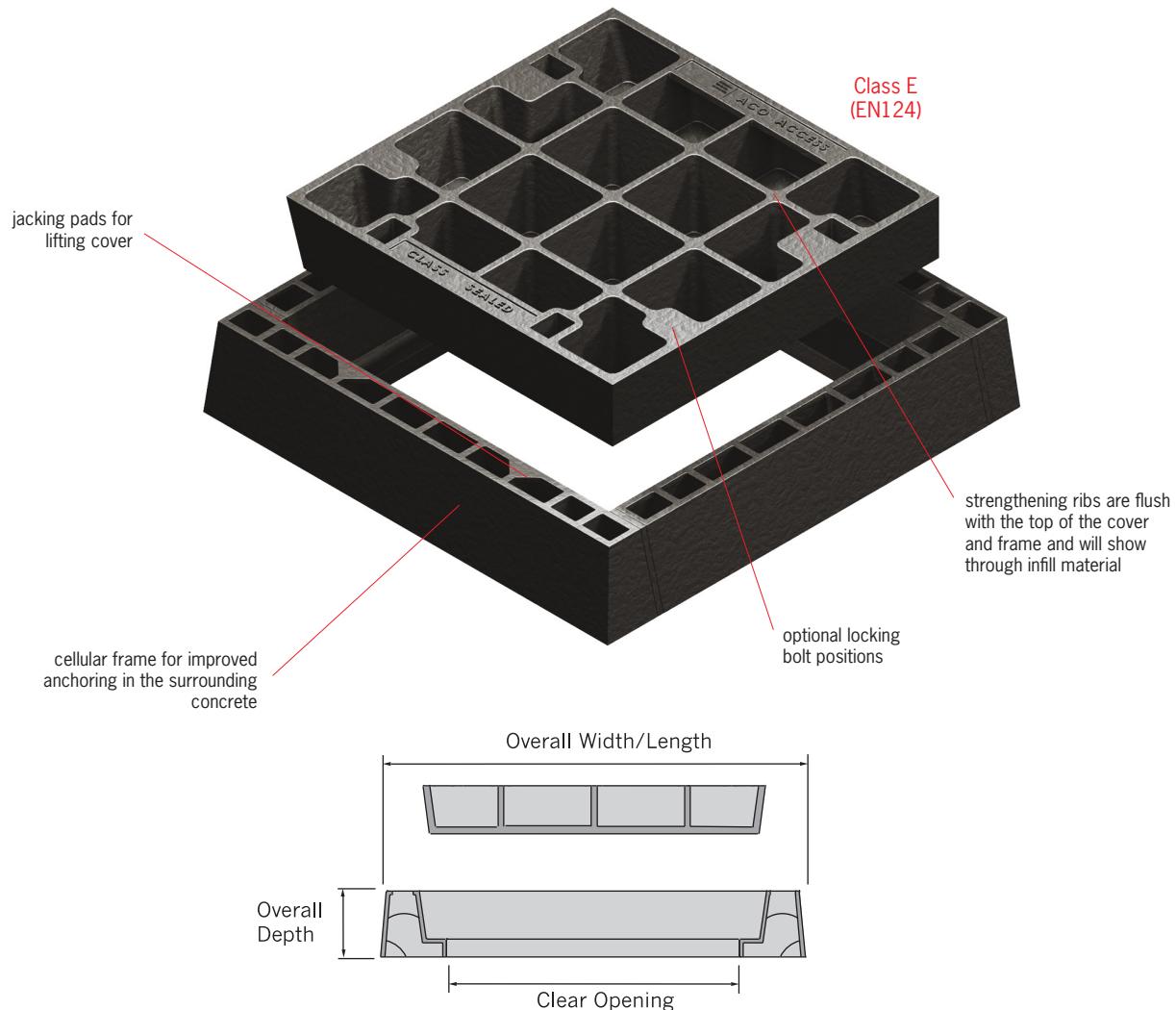
Single part square units can be used to provide access to underground stormwater/sewer systems, electricity and communication enclosures, valves and junction boxes.



| Product Descriptor | Product Code | Clear opening W x L (mm) | Overall W x L (mm) | Load Class (EN124) | Frame Depth (mm) | Frame Type | Overall Weight (kg) |
|--------------------|--------------|--------------------------|--------------------|--------------------|------------------|------------|---------------------|
| 44IDC | 141606 | 450 x 450 | 662 x 662 | D | 100 | Cellular | 93 |
| 46IDC | 141607 | 450 x 600 | 662 x 812 | D | 100 | Cellular | 110 |
| 47IDC | 141608 | 450 x 750 | 662 x 962 | D | 100 | Cellular | 127 |
| 64IDC | 141609 | 600 x 450 | 812 x 662 | D | 100 | Cellular | 110 |
| 66IDC | 141610 | 600 x 600 | 812 x 812 | D | 100 | Cellular | 130 |
| 67IDC | 141611 | 600 x 750 | 812 x 962 | D | 100 | Cellular | 152 |
| 69IDC | 141612 | 600 x 900 | 812 x 1112 | D | 100 | Cellular | 174 |
| 74IDC | 141613 | 750 x 450 | 962 x 662 | D | 100 | Cellular | 127 |
| 76IDC | 141614 | 750 x 600 | 962 x 812 | D | 100 | Cellular | 149 |
| 77IDC | 141615 | 750 x 750 | 962 x 962 | D | 100 | Cellular | 171 |
| 94IDC | 141616 | 900 x 450 | 1112 x 662 | D | 100 | Cellular | 150 |
| 96IDC | 141617 | 900 x 600 | 1112 x 812 | D | 100 | Cellular | 171 |
| 97IDC | 141618 | 900 x 750 | 1112 x 962 | D | 100 | Cellular | 218 |
| 99IDC | 141619 | 900 x 900 | 1112 x 1112 | D | 100 | Cellular | 226 |
| 104IDC | 141620 | 1000 x 450 | 1212 x 662 | D | 100 | Cellular | 127 |
| 124IDC | 141621 | 1200 x 450 | 1412 x 662 | D | 100 | Cellular | 230 |

Rhinocast - Single Part, Ductile Iron Infill Cover & Frame - Class E600kN

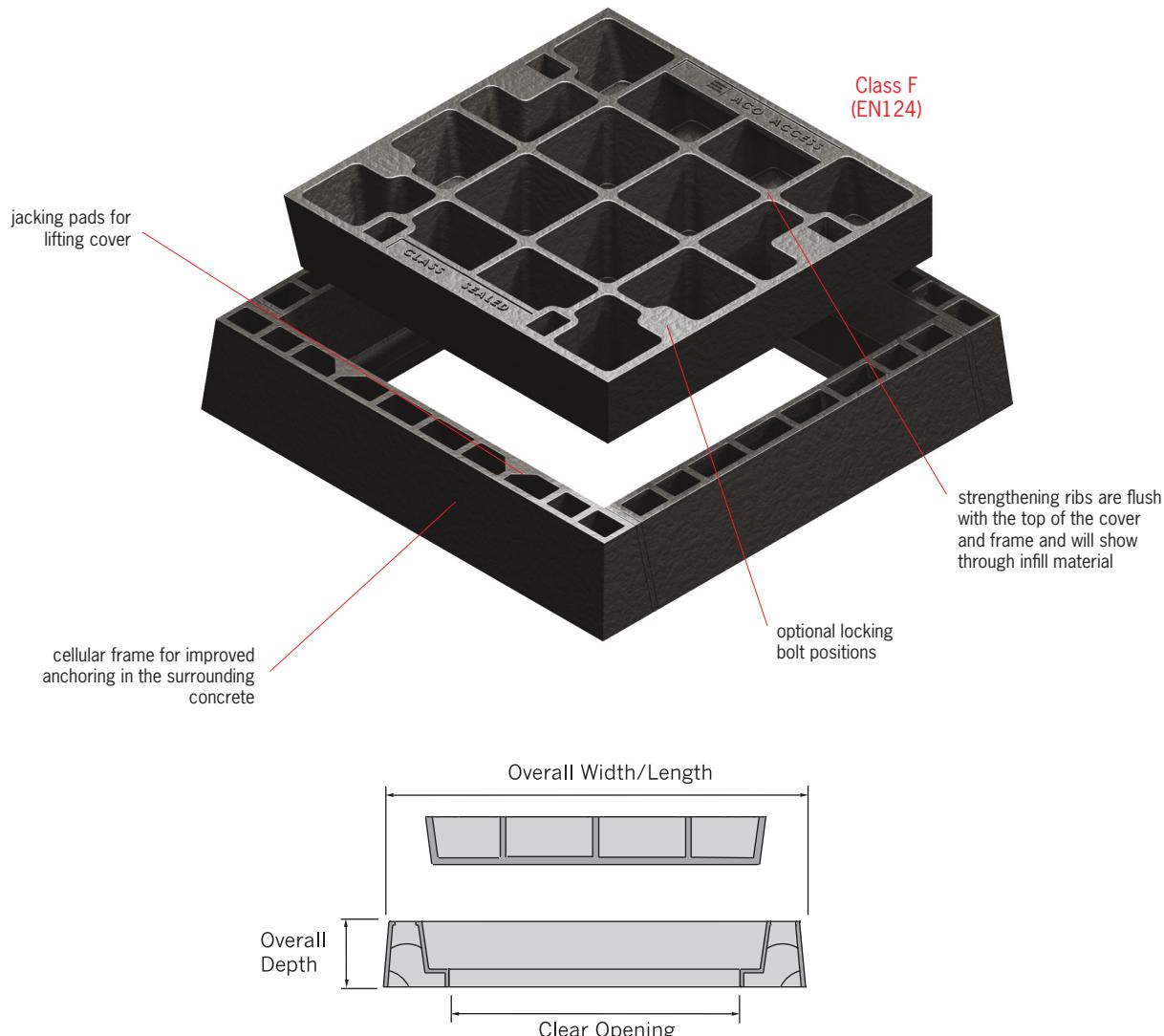
Single part square units can be used to provide access to underground stormwater/sewer systems, electricity and communication enclosures, valves and junction boxes.



| Product Descriptor | Product Code | Clear opening W x L (mm) | Overall W x L (mm) | Load Class (EN124) | Frame Depth (mm) | Frame Type | Overall Weight (kg) |
|--------------------|--------------|--------------------------|--------------------|--------------------|------------------|------------|---------------------|
| 44IEC | 141622 | 450 x 450 | 685 x 685 | E | 125 | Cellular | 146 |
| 46IEC | 141623 | 450 x 600 | 685 x 835 | E | 125 | Cellular | 163 |
| 64IEC | 141624 | 600 x 450 | 835 x 685 | E | 125 | Cellular | 163 |
| 66IEC | 141625 | 600 x 600 | 835 x 835 | E | 125 | Cellular | 212 |
| 67IEC | 141626 | 600 x 750 | 835 x 985 | E | 125 | Cellular | 253 |
| 76IEC | 141627 | 750 x 600 | 985 x 835 | E | 125 | Cellular | 253 |
| 77IEC | 141628 | 750 x 750 | 985 x 985 | E | 125 | Cellular | 293 |
| 94IEC | 141629 | 900 x 450 | 1135 x 685 | E | 125 | Cellular | 227 |
| 96IEC | 141630 | 900 x 600 | 1135 x 835 | E | 125 | Cellular | 264 |

Rhinocast - Single Part, Ductile Iron Infill Cover & Frame -Class F900kN

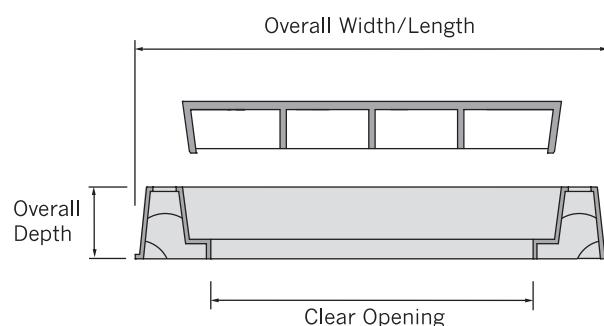
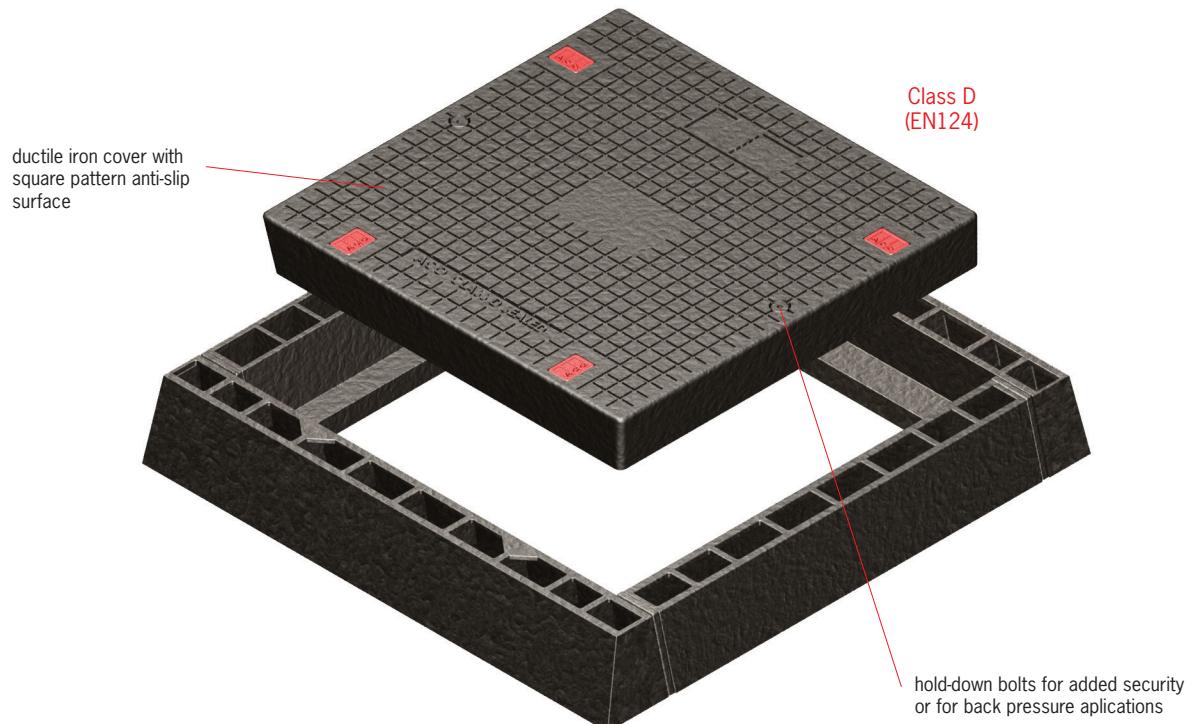
Single part square units can be used to provide access to underground stormwater/sewer systems, electricity and communication enclosures, valves and junction boxes.



| Product Descriptor | Product Code | Clear opening W x L (mm) | Overall W x L (mm) | Load Class (EN124) | Frame Depth (mm) | Frame Type | Overall Weight (kg) |
|--------------------|--------------|--------------------------|--------------------|--------------------|------------------|------------|---------------------|
| 44IFC | 141631 | 450 x 450 | 685 x 685 | F | 125 | Cellular | 146 |
| 46IFC | 141632 | 450 x 600 | 685 x 835 | F | 125 | Cellular | 163 |
| 64IFC | 141633 | 600 x 450 | 835 x 685 | F | 125 | Cellular | 163 |
| 66IFC | 141634 | 600 x 600 | 835 x 835 | F | 125 | Cellular | 212 |
| 67IFC | 141635 | 600 x 750 | 835 x 985 | F | 125 | Cellular | 253 |
| 76IFC | 141636 | 750 x 600 | 985 x 835 | F | 125 | Cellular | 253 |
| 77IFC | 141637 | 750 x 750 | 985 x 985 | F | 125 | Cellular | 293 |
| 94IFC | 141638 | 900 x 450 | 1135 x 685 | F | 125 | Cellular | 227 |
| 96IFC | 141639 | 900 x 600 | 1135 x 835 | F | 125 | Cellular | 264 |

Rhinocast - Single Part, Ductile Iron Solid Top Cover & Frame -Class D400kN

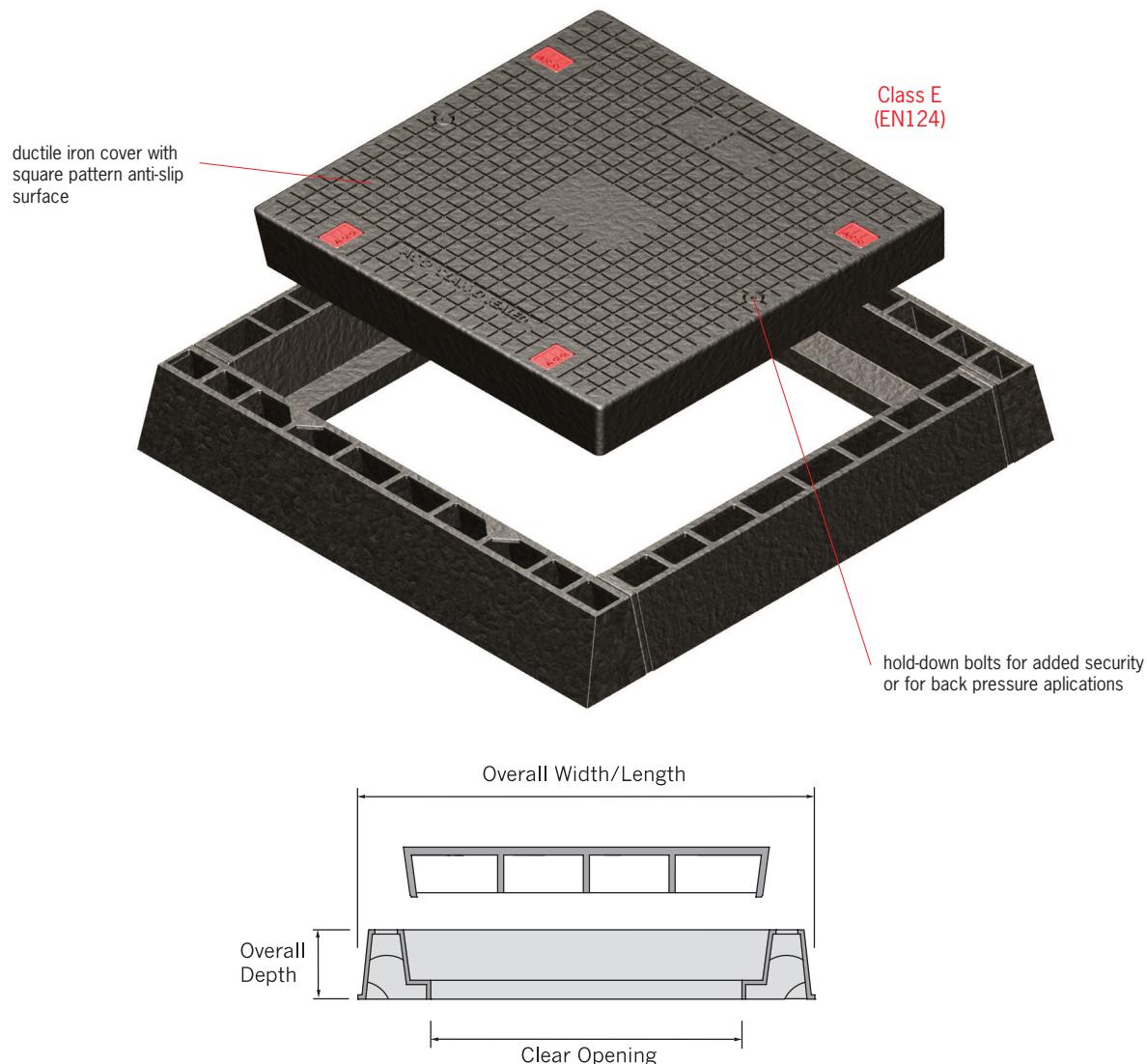
Single part square units can be used to provide access to underground stormwater/sewer systems, electricity and communication enclosures, valves and junction boxes.



| Product Descriptor | Product Code | Clear opening W x L (mm) | Overall W x L (mm) | Load Class (EN124) | Frame Depth (mm) | Frame Type | Overall Weight (kg) |
|--------------------|--------------|--------------------------|--------------------|--------------------|------------------|------------|---------------------|
| 74SDC | 141640 | 750 x 450 | 962 x 662 | D | 100 | Cellular | 130 |
| 76SDC | 141641 | 750 x 600 | 962 x 812 | D | 100 | Cellular | 179 |
| 77SDC | 141642 | 750 x 750 | 962 x 962 | D | 100 | Cellular | 205 |
| 96SDC | 141643 | 900 x 600 | 1112 x 812 | D | 100 | Cellular | 197 |
| 97SDC | 141644 | 900 x 750 | 1112 x 962 | D | 100 | Cellular | 227 |

Rhinocast - Single Part, Ductile Iron Solid Top Cover & Frame -Class E600kN

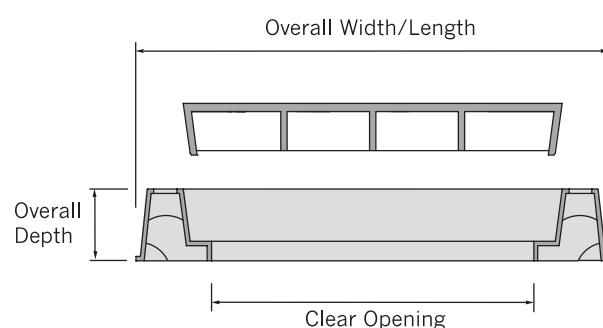
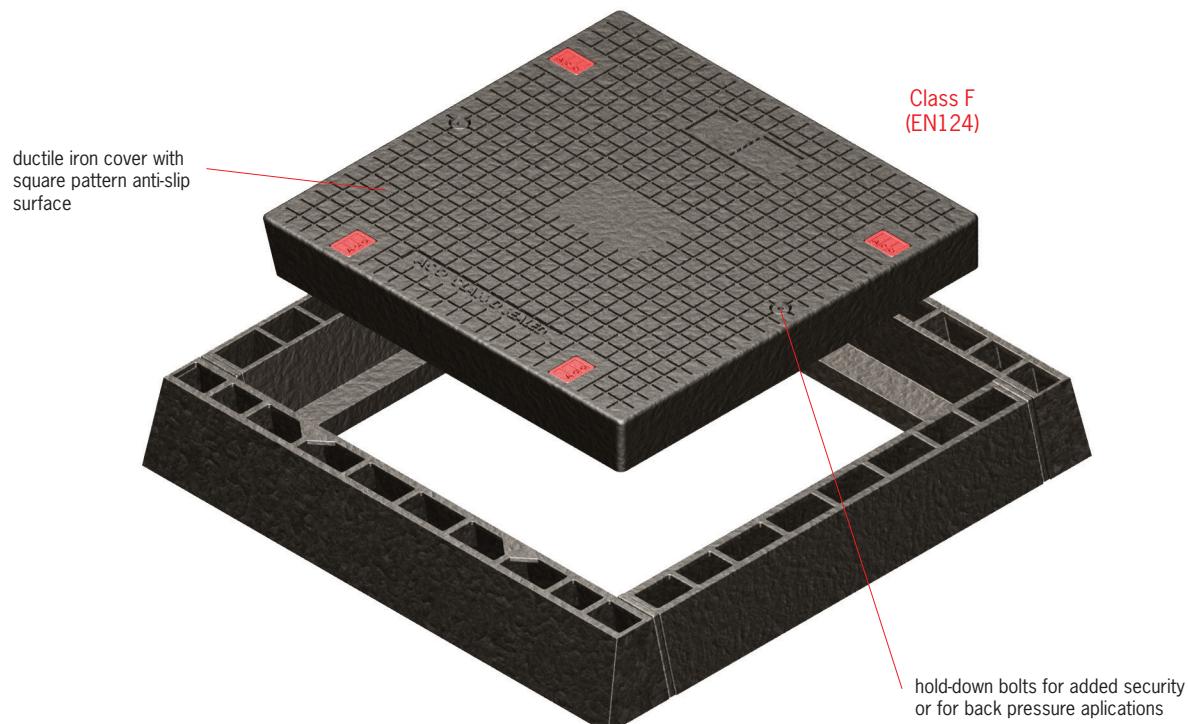
Single part square units can be used to provide access to underground stormwater/sewer systems, electricity and communication enclosures, valves and junction boxes.



| Product Descriptor | Product Code | Clear opening W x L (mm) | Overall W x L (mm) | Load Class (EN124) | Frame Depth (mm) | Frame Type | Overall Weight (kg) |
|--------------------|--------------|--------------------------|--------------------|--------------------|------------------|------------|---------------------|
| 44SEC | 141645 | 450 x 450 | 685 x 685 | E | 125 | Cellular | 143 |
| 46SEC | 141646 | 450 x 600 | 685 x 835 | E | 125 | Cellular | 181 |
| 66SEC | 141647 | 600 x 600 | 835 x 835 | E | 125 | Cellular | 218 |
| 67SEC | 141648 | 600 x 750 | 835 x 985 | E | 125 | Cellular | 230 |
| 70SEC | 141649 | 700 x 700 | 935 x 935 | E | 125 | Cellular | 265 |
| 76SEC | 141650 | 750 x 600 | 985 x 835 | E | 125 | Cellular | 244 |
| 77SEC | 141651 | 750 x 750 | 985 x 985 | E | 125 | Cellular | 281 |
| 94SEC | 141652 | 900 x 450 | 1135 x 685 | E | 125 | Cellular | 228 |
| 96SEC | 141653 | 900 x 600 | 1135 x 835 | E | 125 | Cellular | 262 |
| 97SEC | 141654 | 900 x 750 | 1135 x 985 | E | 125 | Cellular | 300 |

Rhinocast - Single Part, Ductile Iron Solid Top Cover & Frame -Class F900kN

Single part square units can be used to provide access to underground stormwater/sewer systems, electricity and communication enclosures, valves and junction boxes.



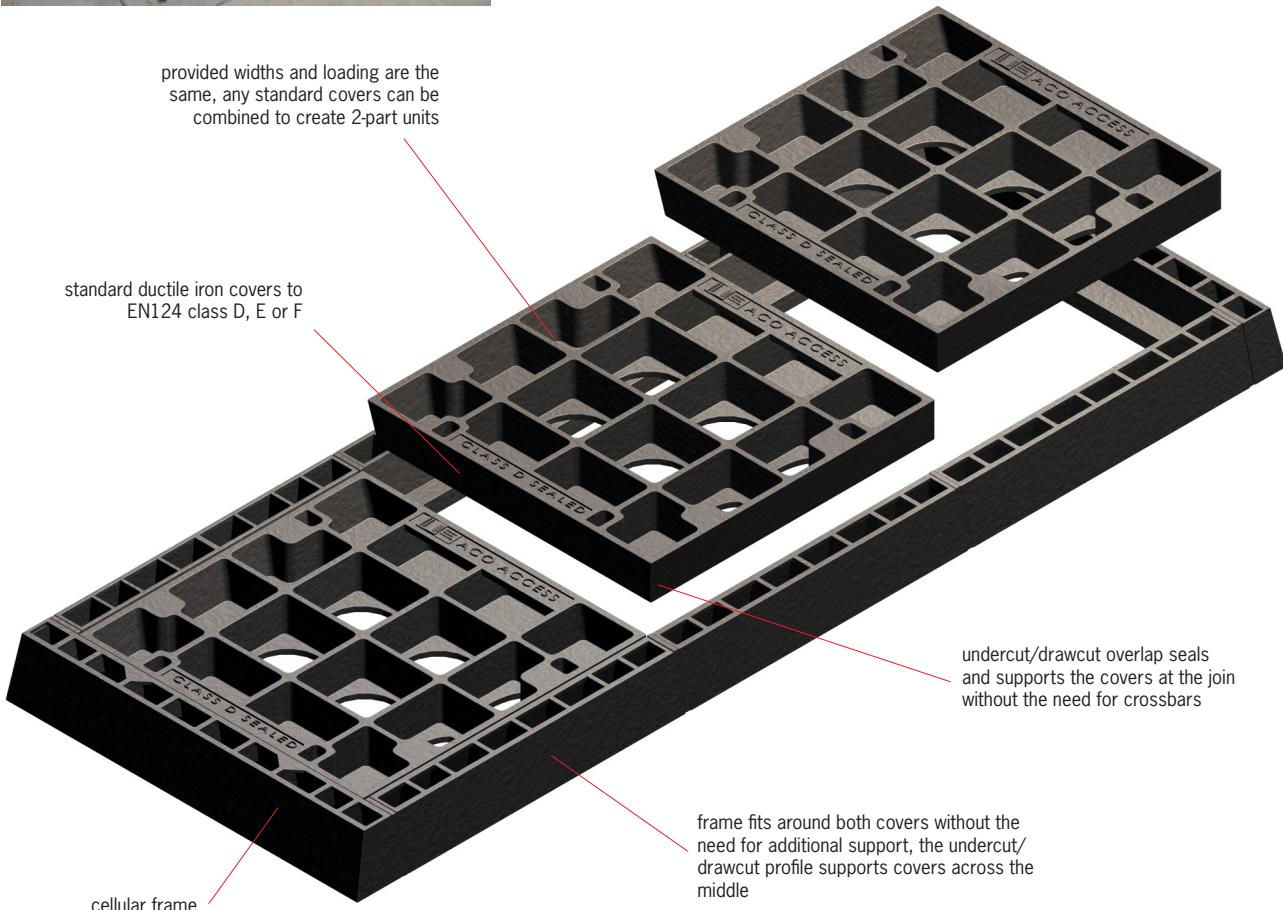
| Product Descriptor | Product Code | Clear opening W x L (mm) | Overall W x L (mm) | Load Class (EN124) | Frame Depth (mm) | Frame Type | Overall Weight (kg) |
|--------------------|--------------|--------------------------|--------------------|--------------------|------------------|------------|---------------------|
| 44SFC | 141655 | 450 x 450 | 685 x 685 | F | 125 | Cellular | 143 |
| 46SFC | 141656 | 450 x 600 | 685 x 835 | F | 125 | Cellular | 181 |
| 66SFC | 141657 | 600 x 600 | 835 x 835 | F | 125 | Cellular | 218 |
| 67SFC | 141658 | 600 x 750 | 835 x 985 | F | 125 | Cellular | 230 |
| 70SFC | 141659 | 700 x 700 | 935 x 935 | F | 125 | Cellular | 265 |
| 76SFC | 141660 | 750 x 600 | 985 x 835 | F | 125 | Cellular | 244 |
| 77SFC | 141661 | 750 x 750 | 985 x 985 | F | 125 | Cellular | 281 |
| 94SFC | 141662 | 900 x 450 | 1135 x 685 | F | 125 | Cellular | 228 |
| 96SFC | 141663 | 900 x 600 | 1135 x 835 | F | 125 | Cellular | 262 |
| 97SFC | 141664 | 900 x 750 | 1135 x 985 | F | 125 | Cellular | 300 |

Rhinocast - Single Row, Ductile Iron Infill Cover & Frame Trench Runs

Trench runs are normally used where the required length of an access opening is greater than the length of the longest single part cover available or where smaller size covers are required for ease of lifting.

Designed to meet load requirements of EN124, trench runs can be used to provide access to underground stormwater/sewer systems, electricity and communications enclosures, grease traps, and valves and junction

boxes. All covers in the system can be removed to give unrestricted access. Alternatively, any single cover can be removed to provide localised access.



Rhinocast - Multi-Part Access Covers and Frame

Multipart units combine standard size covers in multiple rows and lengths. They are used where a single part cover does not offer a large enough clear opening span or if smaller individual covers are required for ease of lifting.

Covers do not have to be the same length, provided each row has covers

of the same width and load class.

All covers and beams can be removed to allow full uninterrupted access, or single covers can be removed to provide access to specific areas.

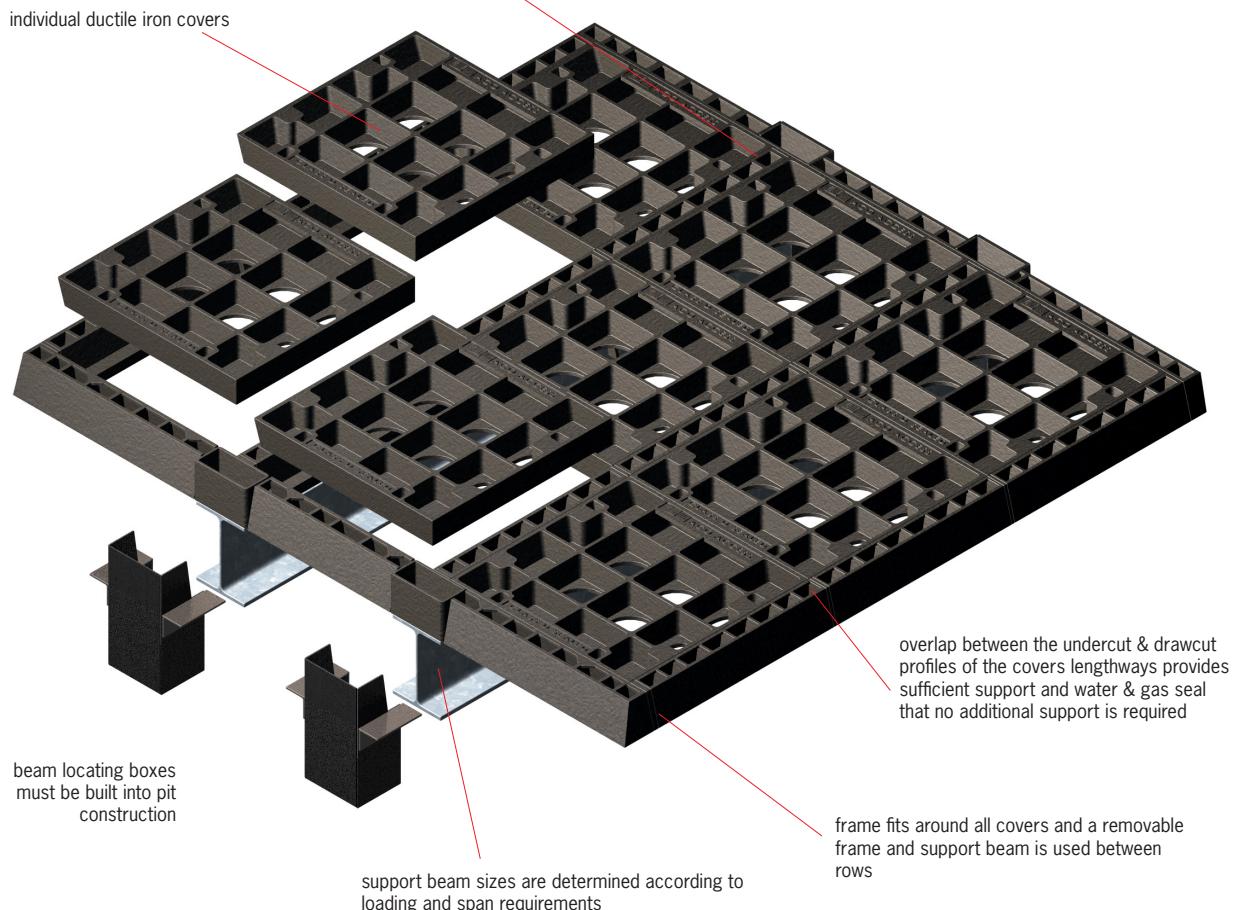
Common applications include access openings for below ground machinery or equipment installations such as

lift motor rooms, sewerage pumping stations, valve pits, large electrical pits, container ports and transformers.

Due to the endless range of sizes available, ACO will design the multipart closest to your requirements, free of charge and obligation. See page 18.



between the covers widthways, the cover profiles are both undercut and therefore require an additional centre frame to provide the seal and a support beam to take the loadings



Servokat – Assisted Lift Access Covers

Assisted lift covers are the ideal solution for applications where frequent access to the utilities or machinery beneath is required. The cover is hinged to the frame and a gas strut allows for easy opening.

Typical applications

- Industrial infrastructure - energy, sewer & water supply utilities
- Commercial infrastructure – airports, docks

The Servokat range comprises a variety of systems in a choice of:

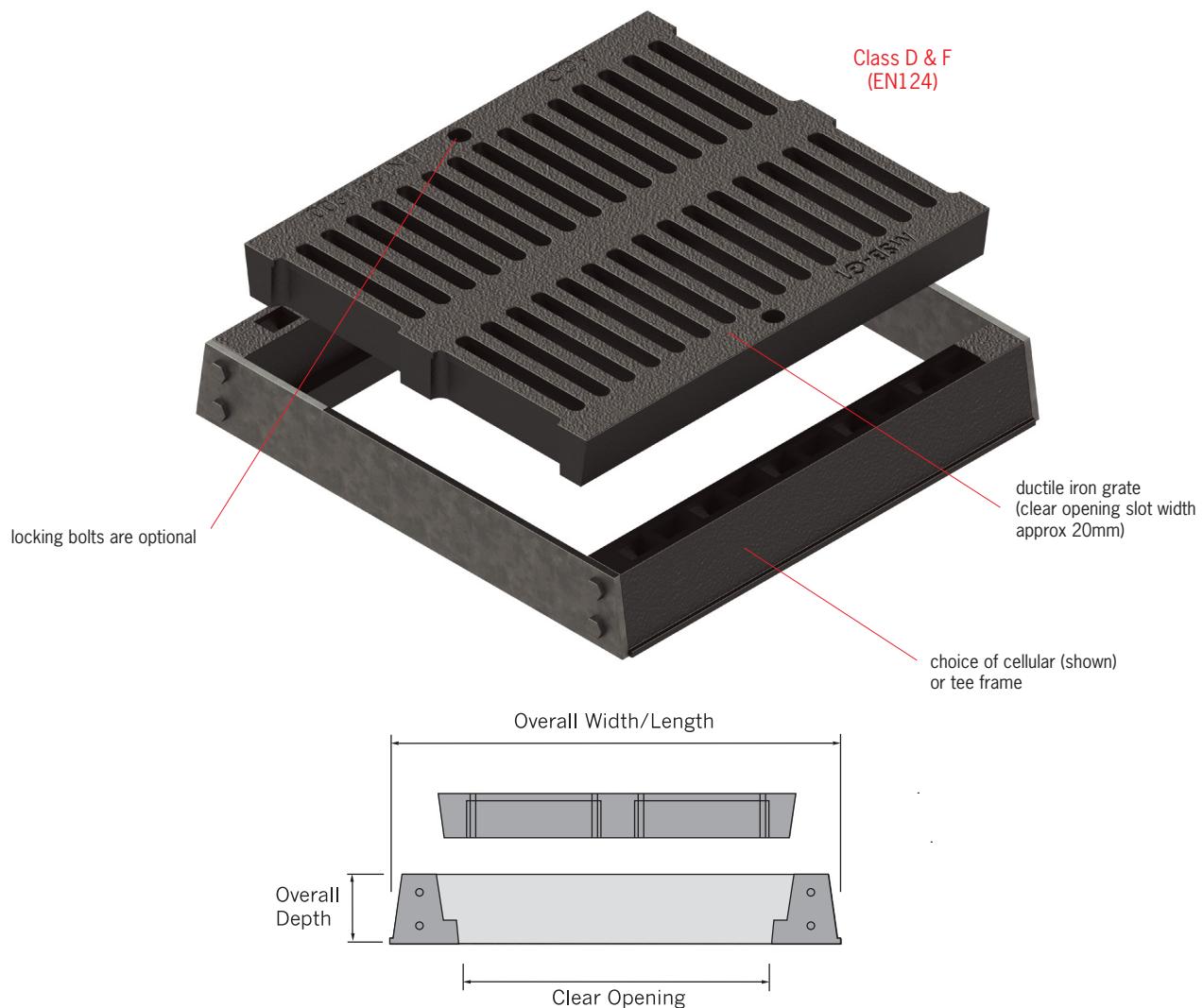
- Load classes
- Sizes – single, 2-part etc...
- Styles – recessed/solid top
- Materials – Steel, cast iron

Contact ACO for further information



Rhinocast - Single Part, Ductile Iron Grate & Frame -Class D400kN & F900kN

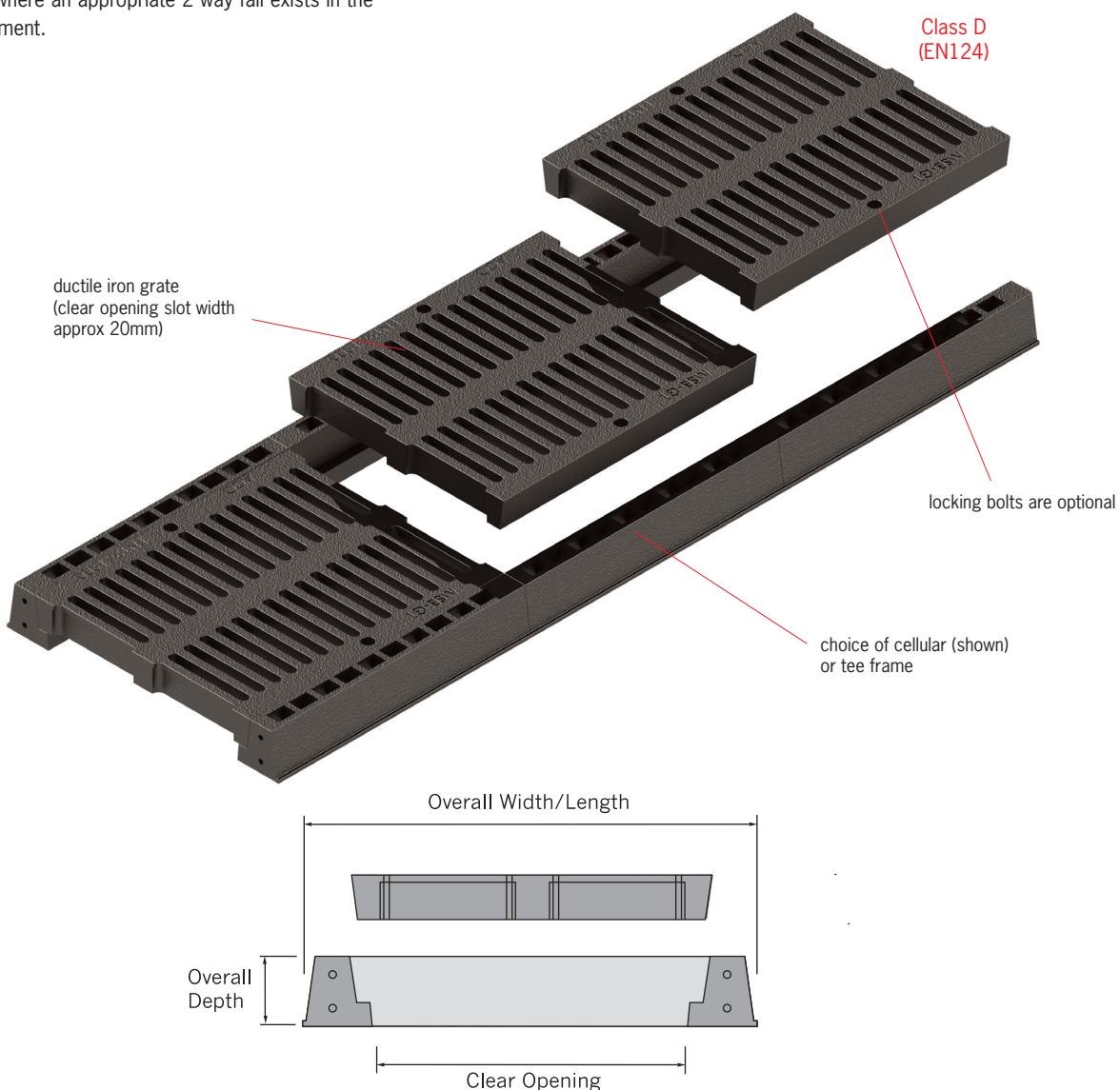
Single part square units can be used to provide stormwater drainage where an appropriate 4 way fall exists in the slab/pavement.



| Product Descriptor | Product Code | Clear opening W x L (mm) | Overall W x L (mm) | Load Class (EN124) | Frame Depth (mm) | Frame Type | Overall Weight (kg) |
|--------------------|--------------|--------------------------|--------------------|--------------------|------------------|------------|---------------------|
| 46SDC | 141665 | 450 x 610 | 650 x 630 | D | 100 | Cellular | 90 |
| 46SDT | 141666 | 450 x 610 | 630 x 630 | D | 100 | Tee | 90 |
| 66SDC | 141667 | 600 x 610 | 800 x 630 | D | 100 | Cellular | 148 |
| 66SDT | 141668 | 600 x 610 | 780 x 630 | D | 100 | Tee | 148 |
| 76SDC | 141669 | 750 x 610 | 950 x 630 | D | 100 | Cellular | 168 |
| 76SDT | 141670 | 750 x 610 | 930 x 630 | D | 100 | Tee | 168 |
| 46SFC | 141671 | 450 x 610 | 650 x 630 | F | 125 | Cellular | 90 |
| 46SFT | 141672 | 450 x 610 | 630 x 630 | F | 125 | Tee | 90 |
| 66SFC | 141673 | 600 x 610 | 800 x 630 | F | 125 | Cellular | 148 |
| 66SFT | 141674 | 600 x 610 | 780 x 630 | F | 125 | Tee | 148 |
| 76SFC | 141675 | 750 x 610 | 950 x 630 | F | 125 | Cellular | 168 |
| 76SFT | 141676 | 750 x 610 | 930 x 630 | F | 125 | Tee | 168 |

Rhinocast - Trench Grate, Ductile Iron Grate & Frame -Class D400kN

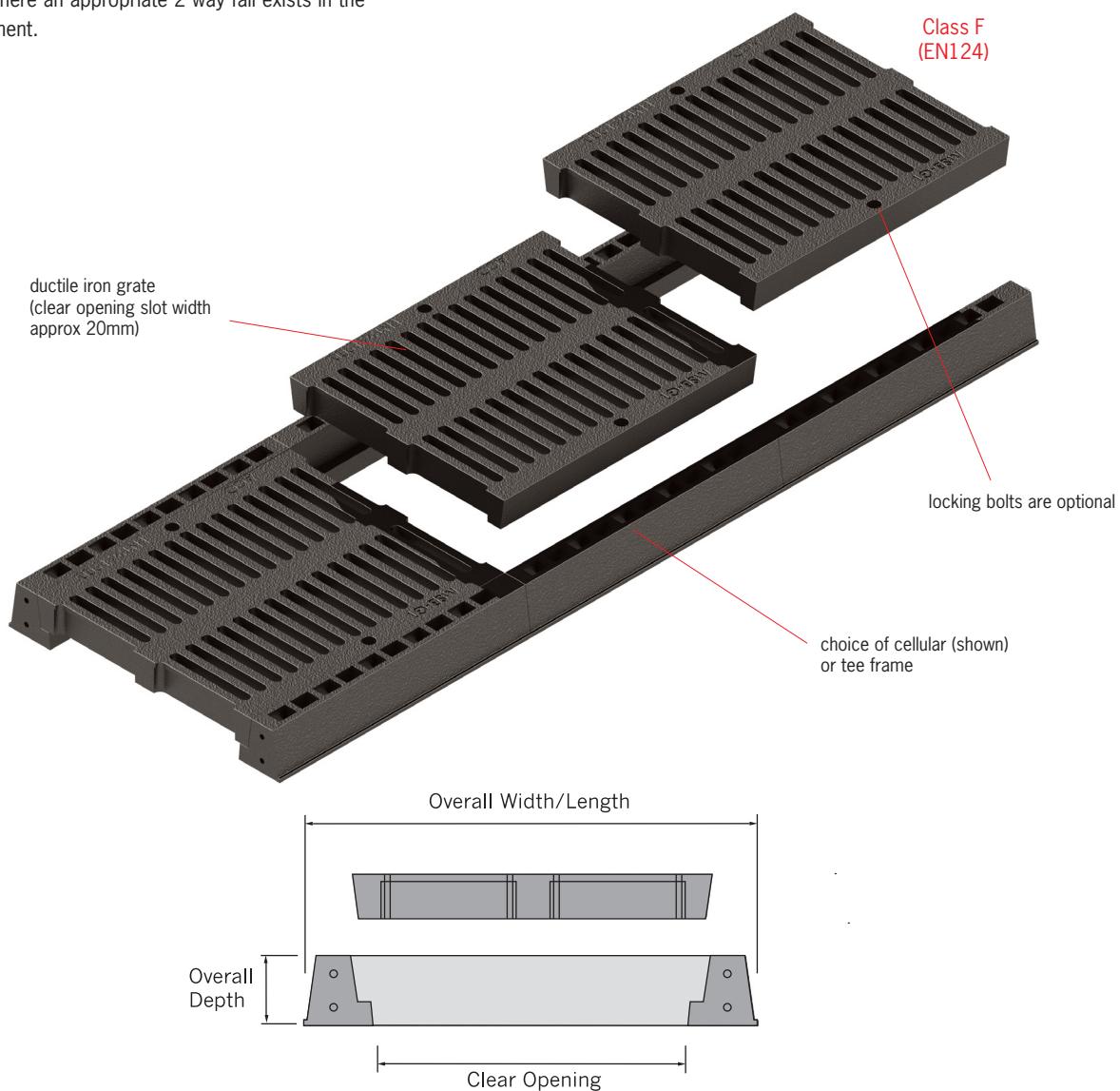
Trench grates are normally used where the required length of an access opening is greater than the length of the longest single part grate available. These can be used to provide stormwater drainage where an appropriate 2 way fall exists in the slab/pavement.



| Product Descriptor | Product Code | Clear opening W x L (mm) | Overall W x L (mm) | Load Class (EN124) | Frame Depth (mm) | Frame Type | Overall Weight (kg) |
|--------------------|--------------|--------------------------|--------------------|--------------------|------------------|------------|---------------------|
| 22TDC | 141677 | 225 x 610 | 425 x 610 | D | 125 | Cellular | 57 |
| 22TDT | 141678 | 225 x 610 | 355 x 610 | D | 70 | Tee | 50 |
| 30TDC | 141679 | 300 x 610 | 500 x 610 | D | 125 | Cellular | 67 |
| 30TDT | 141680 | 300 x 610 | 430 x 610 | D | 76 | Tee | 60 |
| 45TDC | 141681 | 450 x 610 | 650 x 610 | D | 125 | Cellular | 80 |
| 45TDT | 141682 | 450 x 610 | 630 x 610 | D | 100 | Tee | 75 |
| 60TDC | 141683 | 600 x 610 | 800 x 610 | D | 125 | Cellular | 148 |
| 60TDT | 141684 | 600 x 610 | 780 x 610 | D | 100 | Tee | 140 |
| 75TDC | 141685 | 750 x 610 | 950 x 610 | D | 125 | Cellular | 178 |
| 75TDT | 141686 | 750 x 610 | 930 x 610 | D | 100 | Tee | 168 |

Rhinocast - Trench Grate, Ductile Iron Grate & Frame -Class F900kN

Trench grates runs are normally used where the required length of an access opening is greater than the length of the longest single part grate available. These can be used to provide stormwater drainage where an appropriate 2 way fall exists in the slab/pavement.



| Product Descriptor | Product Code | Clear opening W x L (mm) | Overall W x L (mm) | Load Class (EN124) | Frame Depth (mm) | Frame Type | Overall Weight (kg) |
|--------------------|--------------|--------------------------|--------------------|--------------------|------------------|------------|---------------------|
| 22TFC | 141687 | 225 x 610 | 425 x 610 | F | 125 | Cellular | 57 |
| 22TFT | 141688 | 225 x 610 | 355 x 610 | F | 70 | Tee | 50 |
| 30TFC | 141689 | 300 x 610 | 500 x 610 | F | 125 | Cellular | 67 |
| 30TFT | 141690 | 300 x 610 | 430 x 610 | F | 76 | Tee | 60 |
| 45TFC | 141691 | 450 x 610 | 650 x 610 | F | 125 | Cellular | 80 |
| 45TFT | 141692 | 450 x 610 | 630 x 610 | F | 100 | Tee | 75 |
| 60TFC | 141693 | 600 x 610 | 800 x 610 | F | 125 | Cellular | 148 |
| 60TFT | 141694 | 600 x 610 | 780 x 610 | F | 100 | Tee | 140 |
| 75TFC | 141695 | 750 x 610 | 950 x 610 | F | 125 | Cellular | 178 |
| 75TFT | 141696 | 750 x 610 | 930 x 610 | F | 100 | Tee | 168 |

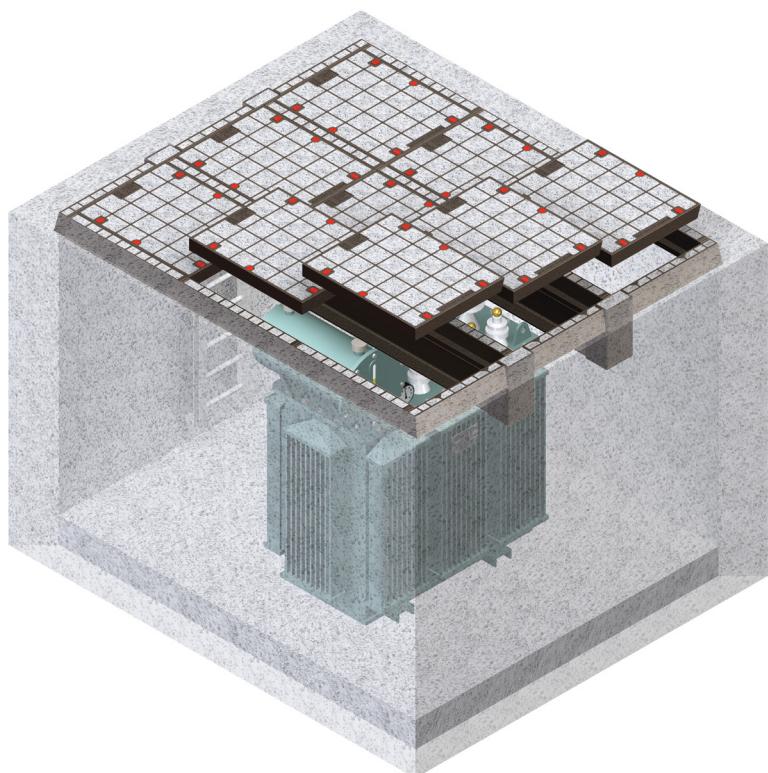
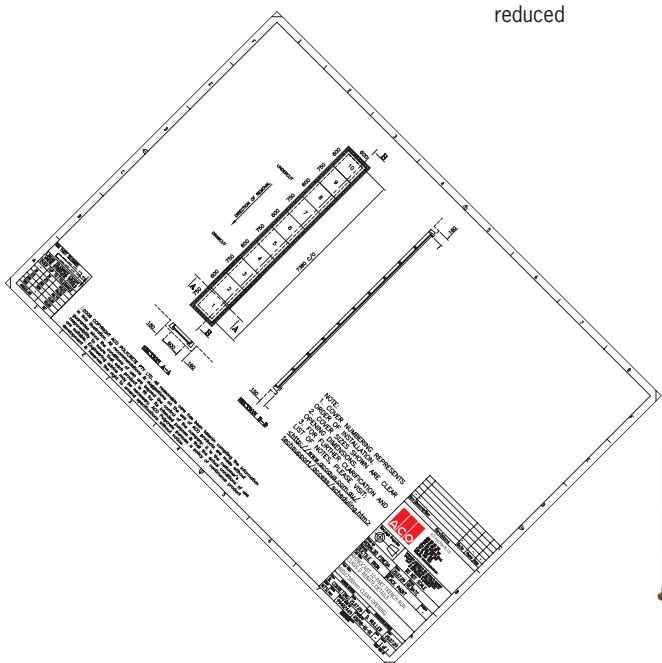
Technical Support

ACO has an established technical services department with many years experience advising on access covers generally and for individual projects. This free service is offered with no obligation and is supported with extensive, high quality information and technical documentation.

For large customised spaces, ACO will configure a bespoke access cover arrangement (multipart) to meet the physical and structural requirements of the enclosure. ACO can issue customers technical drawings showing the necessary requirements for the construction of the rebate prior to the installation of the multipart.

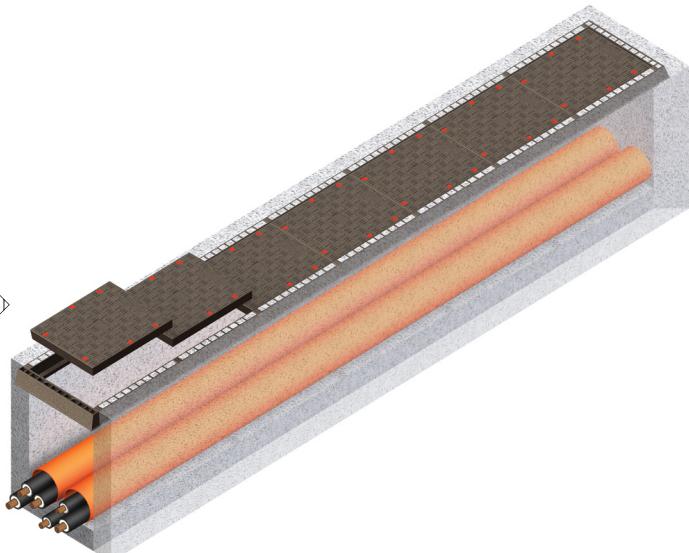
Technical support is also offered online.

- For general installation instructions visit www.acoaus.com.au/access
- For ease of specification and pricing, the ACCTRIX programme has been developed to enable engineers and contractors to design their own multipart or trench run system. The user will be given an option of 5 systems based on the enclosure's size and load class requirements. These may vary in configuration and individual cover lifting weights, criteria driven by minimum lifting weight considerations. Finally, once a preference is made, a drawing is generated for specification purposes and for submission to ACO for quotation.



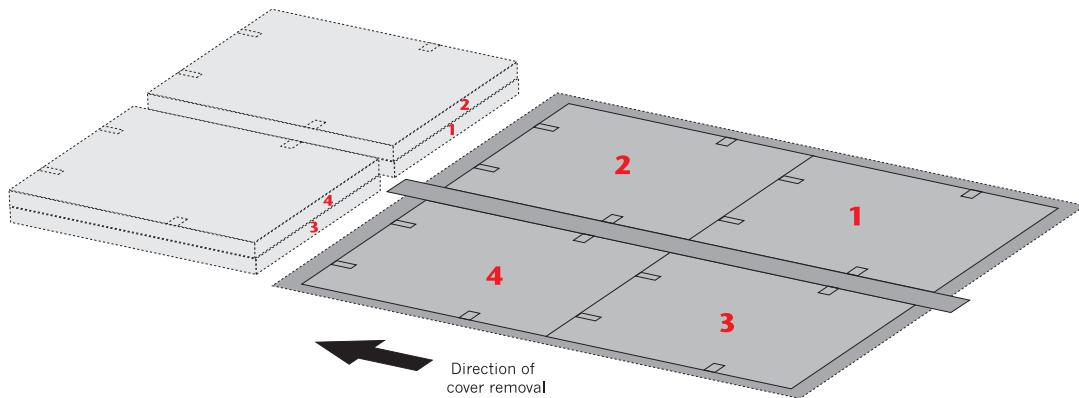
Key Installation Considerations

- Load Class - select correct cover and rebate to suit load class. The frame is designed to be fully supported by a bed of concrete – (visit www.acoaus.com.au/access)
- Install with cover positioned in the frame
- Cover and frame are a matching pair and should not be switched as fit and seal may be compromised
- Ensure that there is no rock between cover and frame otherwise seal will be compromised and service life will be reduced
- Concrete of a minimum strength of 32MPa and minimum aggregate of 12mm is recommended
- Position so that removal of cover is not obstructed by a wall, kerb etc.
- Applications where back pressure is expected may require additional reinforcing to hold the frame and cover in position. Engineering advice should be sought
- A multifast installation tutorial is available at www.acoaus.com.au/access/installation_rhinocast.htm



Rhinocast - Maintenance

To ensure long service and easy removal of covers, the following steps should be followed whenever lifting the cover or once annually, whichever is sooner.



Tools Required:

- Lifting keys
- Shifting spanner
- 2 lengths of water pipe approx. 25mm dia. (150mm longer than the width of the cover)
- Screwdriver
- Paint scraper
- Wire brush
- Tin of grease

Note: square covers will fit diagonally through the frame so care should be taken not to drop the cover through the clear opening.

Rhinocast Cover Removal

1. Remove dust caps and ensure recesses are free from debris.
2. Insert key and rotate clockwise a quarter turn, lock in position. Position jacking screw over frame and screw down using shifting spanner to break the seal.
3. If there are difficulties breaking seal, apply penetrating oil and allow a minimum of 24 hours, tap joint with hammer and try jacking screw again.
3. Once seal is broken, using standard, long handled or mobile lifting keys, lift the cover by leaning forward on the handles. Insert two sections of pipe to enable the cover to be rolled clear of the opening.
4. For multiple cover units remove covers in order and stack at the end of the row as shown above.

Rhinocast Cover Replacement

1. Use a wire brush or scraper to remove any dirt, debris or rust from the cover and frame.
2. Liberally apply sealing grease to seat area of cover and frame.
3. Using long handled lifting keys and pipe sections to roll cover back into position and gently lower onto frame seat.
4. Lift and lower cover again to evenly distribute sealing grease.
5. For multiple covers replace in reverse order to ensure each cover is returned to its correct position.
6. Replace dust caps.

Rhinocast - Accessories

| Product Code | Description |
|--------------|---|
| 141697 | Short handled lifting key - with seal breaker |
| 141698 | Long handled lifting key |
| 141699 | Sealing compound 4kg tin |
| 141700 | Sealing compound 20kg tin |



Other ACO product lines

■ ACO DRAIN

A range of grated trench drainage systems and pits made from polymer concrete. Grates are available in various materials and finishes for all loadings

■ ACO INFRASTRUCTURE

A range of linear drainage solutions for transport infrastructure projects - roads, motorways, container ports, airport tarmacs and other heavy duty applications

■ ACO CABLEMATE

A range of electrical and communication cable jointing pits and surface ducting systems

■ ACO SPORT

A range of surface drainage systems and ancillary products for sport fields, running tracks and stadiums

■ ACO HOME

A range of economical domestic drainage products, ideal for homes, gardens and landscaped areas

■ ACO STAINLESS

A range of high performance stainless steel drainage channels, grates and floor drains for hygiene and aesthetic applications

■ ACO PIPE

Grade 316 stainless steel socketed pipe systems. Chemically pickle passivated for optimum durability and corrosion resistance

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