

# Specialised Access Solutions



Product Catalogue 2026





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## ABOUT HYGRADE WATER

# As part of the Hynds Group of Companies, Hygrade supports New Zealand's infrastructure by supplying innovative and quality products.

### Overview

In operation since 1988, Hygrade Water has built a reputation for supplying quality imported products for use in water, wastewater, and stormwater applications in New Zealand.

Hygrade Water has Distribution Centres located in Auckland and Christchurch to be able to support the local market in a timely manner.

### Commitment to quality management and accredited operating systems

Hygrade Water maintains an independently audited third party accreditation for the ISO9001 certified quality management systems, and follow founding policies that underpin commitment and performance outcomes to achieve our organisational vision and values. 'S' Mark accreditation is maintained by regular audits.

We also require the same quality commitment from our global suppliers for castings and composite products.

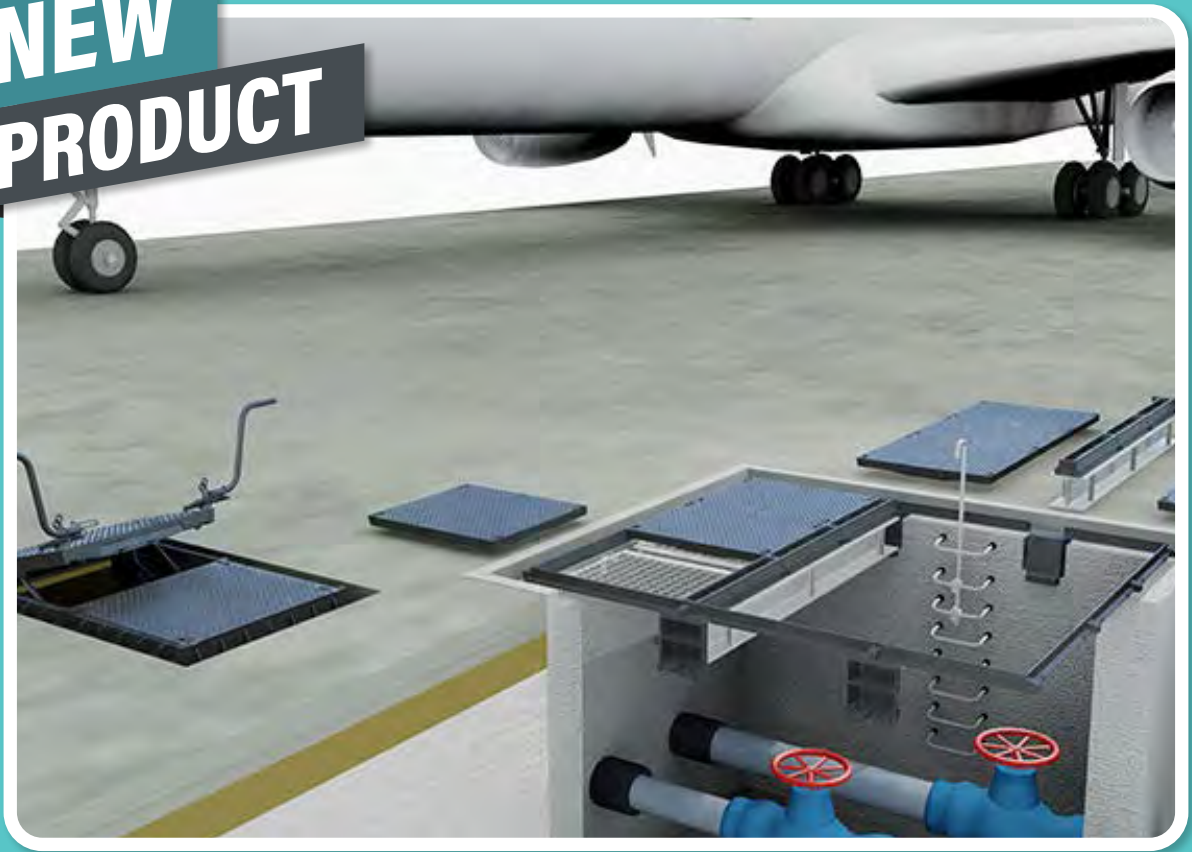
### How To Find Us

For further information about any product shown in this catalogue, please do not hesitate to contact our sales team on **0800 494 723**.

Further information and our full comprehensive range of product can be viewed on [www.hygradewater.co.nz](http://www.hygradewater.co.nz)



**NEW  
PRODUCT**



# THE ERMATIC®

**Engineered for excessive loads and frequent need for access**

The ERMATIC® custom modular multiple cover system is a highly engineered range of access covers designed for a wide variety of underground services. It is engineered to perform in tough environments where excessive loads and frequent need for access are par for the course. With every unique customer project / application, we offer

a range of standard solutions, solid top, and infill, single and multipart, and in different load class options.

The covers and beams are removable, yielding a full clear opening. The ERMATIC range leverages the global engineering and design experience within EJ to enhance ergonomic design and security.



# ERMATIC MACHINED MODULAR SOLUTION

## ERGONOMICS - EASE OF ACCESS

ERMATIC modular solutions keeps workers safe. They're designed for easy handling and feature ergonomically designed lift handles and optional assist lift covers. Removable I-beams provide unobstructed access to large clear openings.

## ULTIMATE PROTECTION

The ERMATIC modular solution keeps underground structures secure. These solutions are quiet—precisely machined surfaces fit tightly together, reducing movement under traffic conditions and protecting against damage and debris or aggressive chemicals for underground vaults/trenches. Designers are also able to conceal underground services as the covers can be ordered with the options of concrete infill or pavers to allow blending with the surrounding groundwork.

## PROJECT APPLICATIONS

- Sewerage: inspection pits for sludge chambers, access shafts for large plants, etc.
- Telecommunications: cable jointing chambers, etc.
- Utility: gas mains/water mains
- Electrical: lighting, signals, transformer pits, cable joint boxes, etc.

## PROJECT ENVIRONMENTS

- Airports and ports
- Railways
- Tunnels
- Power stations
- Water treatment and purification plants
- Manufacturing plants
- Exhibition centers, leisure parks, stadiums, and other public arenas

The ERMATIC range of modular covers are manufactured in the EJ Picardie, French foundry.



Hygrade supplies a range of Streetware products that meet the requirements of recognised International Standards such as AS3996 and EN124, while also achieving the needs of Transit NZ's HN-HO-72.

The table below lists the ultimate design load capabilities of the AS3996:2019 Standard.

A small range of streetware products are designed to Standard EN124. For loading information on EN124, please contact Hygrade for more information.

## Load Classes

### Australian Standard AS3996:2019

| Type                                                                                | Class | Typical use                                                                                                                                                                             | Nominal wheel loading (kg) | Serviceability design load (kN) | Ultimate limit state design (kN) |
|-------------------------------------------------------------------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|----------------------------------|
|  | A     | Areas accessible strictly by pedestrians. Not suited to vehicles. Example - residential walkways not accessible by vehicles.                                                            | 330                        | 6.7                             | 10                               |
|  | B     | Private and shared residential property. Suitable for vehicles accessing driveways and footpaths. Low speed only. Example - residential driveways, cycle trails, residential car parks. | 2,670                      | 53                              | 80                               |
|  | C     | Residential roads and car parks trafficable to vehicles. Example - areas with slow moving traffic such as carparks.                                                                     | 5,000                      | 100                             | 150                              |
|  | D     | Major roads in residential areas. Meets HN-HO-72 requirements. Example - major roads, carparks.                                                                                         | 8,000                      | 160                             | 240                              |
|  | E     | Arterial roads and motorways. Suitable for all heavy vehicles. Example - motorways, loading docks, warehouses.                                                                          | 13,700                     | 267                             | 400                              |
|  | F     | Loading docks, wharves and airport service taxiways. Example - heavy and high traffic volumes.                                                                                          | 20,000                     | 400                             | 600                              |
|  | G     | Airport runways and taxiways, wharves. Example - very heavy loading and high traffic volumes.                                                                                           | 30,000                     | 600                             | 900                              |

#### NOTE :

Loadings are a guide only and don't take into account specific forces and vehicle configurations. If in doubt please contact Hygrade regarding clarification and recommendation for the best product to suit your requirements.



# CLASS B COVERS

A range of solutions designed for lightly trafficked applications such as footpaths and pedestrian areas.



## CLASS B COVERS

Hygrade offer a wide selection of Class B covers available as infill, solid top, or decorative edge. These covers are designed for lightly trafficked areas and for building interiors such as shopping malls or office buildings.

If you are uncertain as to the adequacy of covers conforming to a particular loading, it is recommended to use a cover from a higher loading class.

**Note:** For lid lifters suitable for the standard key holes of these covers, refer to page 32.

- Meets the requirements of AS3996:2019
- Manufactured from over 90% recycled materials
- Precision machined to seal against gas, air, and water ingress or egress
- Close tolerances to eliminate movement
- Bolt down capability for security

### CLASS B Infill Covers

These covers are recessed for concrete infill which makes them the perfect solution for providing a surface which can be made to blend into a surrounding area. The surface finish will dictate the skid resistance for the cover. All recessed covers are designed with cross-ribs to increase strength.

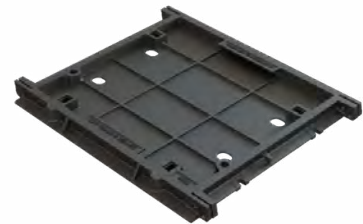


FIG. 1 DICIF6060B

| Code       | Description                 | Frame     |            |               |                |       |             |
|------------|-----------------------------|-----------|------------|---------------|----------------|-------|-------------|
|            |                             | C/O Width | C/O Length | Overall Width | Overall Length | Depth | Weight (kg) |
| DICIF6045B | Cover DI 600 x 450mm Infill | 600       | 450        | 810           | 562            | 55    | 50          |
| DICIF6060B | Cover DI 600 x 600mm Infill | 600       | 600        | 810           | 712            | 55    | 68          |
| DICIF7560B | Cover DI 750 x 600mm Infill | 750       | 600        | 958           | 712            | 55    | 75          |
| DICIF7575B | Cover DI 750 x 750mm Infill | 750       | 750        | 958           | 862            | 55    | 85          |
| DICIF9060B | Cover DI 900 x 600mm Infill | 900       | 600        | 1110          | 712            | 55    | 95          |
| DICIF9090B | Cover DI 900 x 945mm Infill | 900       | 900        | 1110          | 1012           | 55    | 125         |

## CLASS B SOLID TOP COVERS

These solid top covers are lighter in weight than concrete infilled covers. They feature a textured anti-slip surface designed for maximum performance in all weather conditions. The 4L is a patented design and achieves a P5 anti-slip rating.



FIG. 4 DICST6060B



FIG. 5 DICST7560B

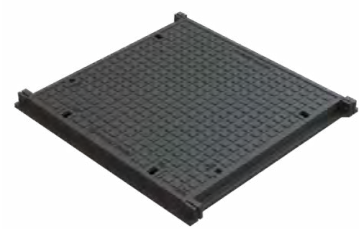


FIG. 6 DICST7575B



FIG. 7 DICST9060B

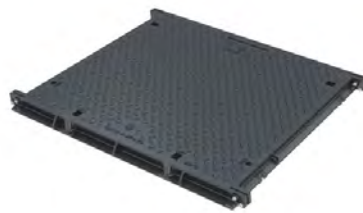


FIG. 8 DICST9090B

| Code       | Description                    | Frame     |            |               |                |       |             |
|------------|--------------------------------|-----------|------------|---------------|----------------|-------|-------------|
|            |                                | C/O Width | C/O Length | Overall Width | Overall Length | Depth | Weight (kg) |
| DICST6045B | Cover DI 600 x 450mm Solid Top | 600       | 450        | 810           | 562            | 55    | 49          |
| DICST6060B | Cover DI 600 x 600mm Solid Top | 600       | 600        | 648           | 710            | 55    | 66          |
| DICST7560B | Cover DI 750 x 600mm Solid Top | 750       | 600        | 900           | 709            | 55    | 78          |
| DICST7575B | Cover DI 750 x 750mm Solid Top | 750       | 750        | 958           | 862            | 55    | 93          |
| DICST9060B | Cover DI 900 x 600mm Solid Top | 900       | 600        | 1110          | 712            | 55    | 84          |
| DICST9090B | Cover DI 900 x 900mm Solid Top | 900       | 900        | 1110          | 1012           | 55    | 125         |

## CLASS B DECORATIVE EDGE COVERS

Decorative edged covers are the ideal solution for design sensitive applications and high-profile architectural spaces. The stainless-steel edging on the covers provide durability and a clean finish.



FIG. 2 DICDESS3030B12

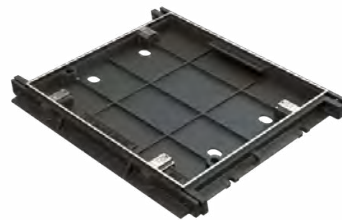


FIG. 3 DICDESS6060B12

| Code           | Description                                 | Frame     |            |               |                |       |             |
|----------------|---------------------------------------------|-----------|------------|---------------|----------------|-------|-------------|
|                |                                             | C/O Width | C/O Length | Overall Width | Overall Length | Depth | Weight (kg) |
| DICDESS3030B12 | Cover DI 312 x 312mm Infill B 12mm SS Edged | 312       | 312        | 462           | 422            | 67    | 26          |
| DICDESS6060B12 | Cover DI 612 x 612mm Infill B 12mm SS Edged | 612       | 612        | 762           | 722            | 67    | 56          |

- More sizes are available on request.
- These decorative edge covers are available in a range of heights: 12, 24, 50, 60mm

# CLASS D COVERS

A range of recessed concrete infill and solid top cover solutions designed for roadways, loading and parking areas, and suitable for most types of vehicles. Rated for loads up to HN-HO-72.



## CLASS D COVERS

The Class D range of infill and solid top cover solutions are designed for use in most traffickable locations.

If you are uncertain as to the adequacy of covers conforming to a particular loading, it is recommended to use a cover from a higher loading class.

**Note:** For lid lifters suitable for the standard key holes of these covers, refer to page 32.

- Meets the requirements of AS3996:2019
- Manufactured from over 90% recycled materials
- Precision machined to seal against gas, air, and water ingress or egress
- Close tolerances to eliminate movement
- Bolt down capability for security

### CLASS D INFILL COVERS

These covers are recessed for concrete infill which makes them the perfect solution for providing a surface which can be made to blend into a surrounding area. The surface finish will dictate the skid resistance for the cover. All recessed covers are designed with cross-ribs to increase strength.



FIG. 9 DICIF6060D

| Code       | Description                   | Frame     |            |               |                |       |             |
|------------|-------------------------------|-----------|------------|---------------|----------------|-------|-------------|
|            |                               | C/O Width | C/O Length | Overall Width | Overall Length | Depth | Weight (kg) |
| DICIF6045D | Cover DI 600 x 450mm Infill   | 600       | 450        | 803           | 562            | 77    | 82          |
| DICIF6060D | Cover DI 600 x 600mm Infill   | 600       | 600        | 800           | 712            | 77    | 95          |
| DICIF7560D | Cover DI 750 x 600mm Infill   | 750       | 600        | 954           | 712            | 77    | 112         |
| DICIF7575D | Cover DI 750 x 750mm Infill   | 750       | 750        | 954           | 954            | 77    | 125         |
| DICIF9060D | Cover DI 900 x 600mm Infill   | 900       | 600        | 1103          | 712            | 77    | 131         |
| DICIF9090D | Cover DI 900 x 900mm Infill   | 900       | 900        | 1103          | 1012           | 77    | 172         |
| DICIF1260D | Cover DI 1200 x 600mm Infill  | 1200      | 600        | 1404          | 712            | 77    | 180         |
| DICIF1212D | Cover DI 1200 x 1200mm Infill | 1200      | 1200       | 1404          | 1332           | 77    | 336         |

## CLASS D SOLID TOP COVERS

These solid top covers are lighter in weight than concrete infilled covers. They feature a textured anti-slip surface designed for maximum performance in all weather conditions. The 4L is a patented design and achieves a P5 anti-slip rating.

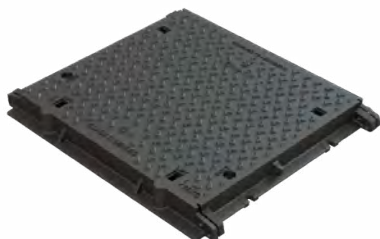


FIG. 10 DICST6060D

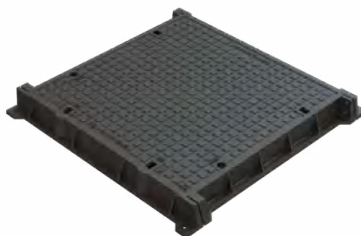


FIG. 11 DICST7575D



FIG. 12 DICST9060D

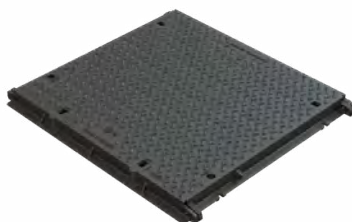


FIG. 13 DICST9090D

| Code       | Description                     | Frame     |            |               |                |       |             |
|------------|---------------------------------|-----------|------------|---------------|----------------|-------|-------------|
|            |                                 | C/O Width | C/O Length | Overall Width | Overall Length | Depth | Weight (kg) |
| DICST6060D | Cover DI 600 x 600mm Solid Top  | 600       | 600        | 812           | 812            | 100   | 115         |
| DICST7560D | Cover DI 750 x 600mm Solid Top  | 750       | 600        | 830           | 812            | 100   | 130         |
| DICST7575D | Cover DI 750 x 750mm Solid Top  | 750       | 750        | 962           | 962            | 100   | 145         |
| DICST9060D | Cover DI 900 x 600mm Solid Top  | 904       | 611        | 1101          | 712            | 100   | 135         |
| DICST9090D | Cover DI 900 x 900mm Solid Top  | 900       | 900        | 1112          | 1112           | 100   | 192         |
| DICST1260D | Cover DI 1200 x 600mm Solid Top | 1200      | 600        | 1300          | 836            | 125   | 245         |

# CLASS G COVERS

A range of recessed concrete infill and solid top cover solutions designed for very heavy loading and high traffic volume applications such as loading docks, wharves, and airport taxiways.



## CLASS G COVERS

The Class G range of recessed concrete infill and solid top cover solutions are designed for extra heavy loadings and high traffic volume applications including wharves and airports.

**Note:**

- For lid lifters suitable for the standard key holes of these covers, refer to page 32.
- Class G Infill covers are only available as a made to order items. Lead time approx. 3 - 5 months.

- Meets the requirements of AS3996:2019
- Manufactured from over 90% recycled materials
- Precision machined to seal against gas, air, and water ingress or egress
- Close tolerances to eliminate movement
- Bolt down capability for security

## CLASS G SOLID TOP COVERS

These solid top covers are lighter in weight than concrete infilled covers. They feature a textured anti-slip surface designed for maximum performance in all weather conditions. The 4L is a patented design and achieves a P5 anti-slip rating.

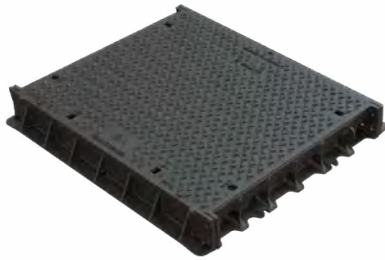


FIG. 15 DICST6060G

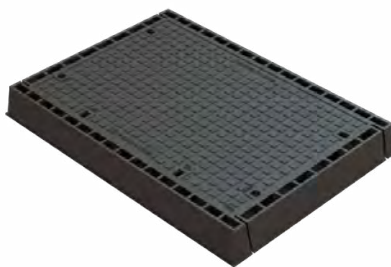


FIG. 16 DICST9060G

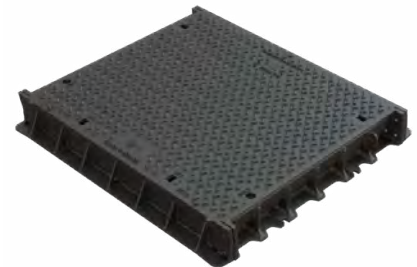
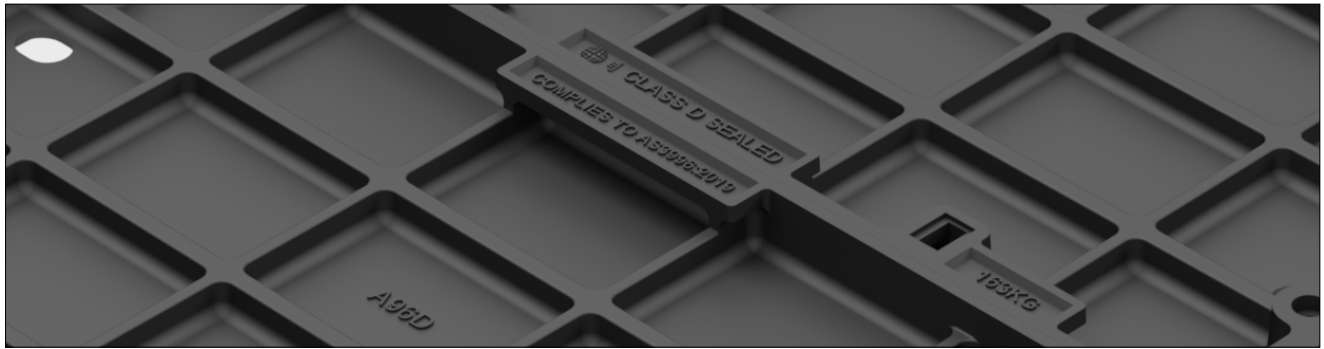


FIG. 17 DICST9090G

| Code       | Description                    | Frame     |            |               |                |       |             |
|------------|--------------------------------|-----------|------------|---------------|----------------|-------|-------------|
|            |                                | C/O Width | C/O Length | Overall Width | Overall Length | Depth | Weight (kg) |
| DICST6060G | Cover DI 600 x 600mm Solid Top | 600       | 600        | 823           | 773            | 150   | 160         |
| DICST9060G | Cover DI 900 x 600mm Solid Top | 900       | 600        | 1123          | 773            | 150   | 249         |
| DICST9090G | Cover DI 900 x 900mm Solid Top | 900       | 900        | 1123          | 1073           | 150   | 310         |

# CLASS D MULTIPART COVERS

Multipart covers give you the ability to cover a larger size opening while still retaining adequate load ratings. As these are infill covers, they can be matched to the surroundings. In the larger sizes, removable beams may be used to span the opening and maintain the load rating.



## CLASS D TWO & THREE PART COVERS

Multipart covers give you the ability to cover a large size opening while still retaining adequate load ratings. These covers are designed to be opened and reinstalled in sequence. This needs to be considered during the system design so that access for lifting equipment can be maintained.

As multipart access covers come in small sections, they are easier to remove and gain access to specific parts in an underground chamber. This can be useful if only an inspection is required rather than full access for maintenance.

**Note:** For lid lifters suitable for the standard key holes of these covers, refer to page 32.

- Meets the requirements of AS3996:2019
- Manufactured from over 90% recycled materials
- Close tolerances to eliminate movement
- Bolt down capability for security
- Removable beams for full access

## CLASS D INFILL COVERS

These covers are recessed for concrete infill which makes them the perfect solution for providing a surface which can be made to blend into a surrounding area. The surface finish will dictate the skid resistance for the cover. All recessed covers are designed with cross-ribs to increase strength.



FIG. 18 DICIF6012D



FIG. 19 DICIF6019D



FIG. 20 DICIF9012D

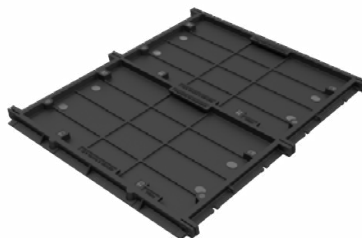


FIG. 21 DICIF1212D

| Code       | Description                          | Frame     |            |               |                |       |             |
|------------|--------------------------------------|-----------|------------|---------------|----------------|-------|-------------|
|            |                                      | C/O Width | C/O Length | Overall Width | Overall Length | Depth | Weight (kg) |
| DICIF6012D | Cover DI 600 x 1220mm 2 Part Infill  | 600       | 1220       | 803           | 1332           | 77    | 175         |
| DICIF6019D | Cover DI 600 x 1940mm 3 Part Infill  | 600       | 1940       | 812           | 2152           | 100   | 300         |
| DICIF9012D | Cover DI 915 x 1220mm 2 Part Infill  | 915       | 1220       | 1103          | 1332           | 77    | 270         |
| DICIF1212D | Cover DI 1200 x 1290mm 2 Part Infill | 1200      | 1290       | 1436          | 1526           | 125   | 520         |

**Many more size options by request.**

# CLASS D SOLID TOP COVERS

These solid top covers are lighter in weight than concrete infilled covers. They feature a textured anti-slip surface designed for maximum performance in all weather conditions.

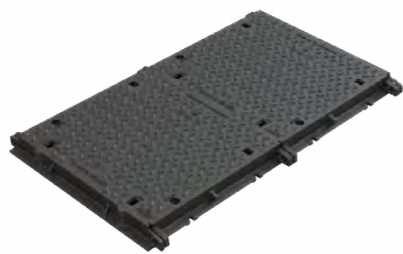


FIG. 22 DICST6012D

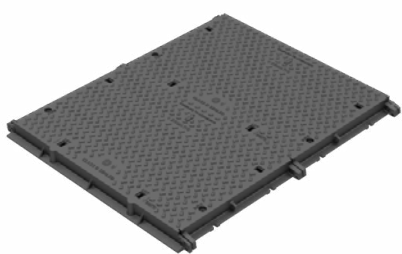


FIG. 23 DICST9012D

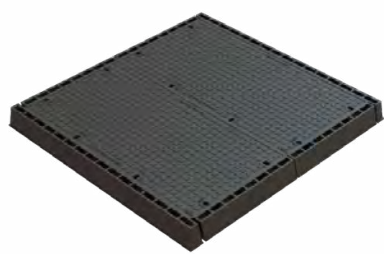


FIG. 24 DICST1212D

| Code       | Description                             | Frame     |            |               |                |       |             |
|------------|-----------------------------------------|-----------|------------|---------------|----------------|-------|-------------|
|            |                                         | C/O Width | C/O Length | Overall Width | Overall Length | Depth | Weight (kg) |
| DICST6012D | Cover DI 600 x 1270mm 2 Part Solid Top  | 600       | 1270       | 812           | 1482           | 100   | 244         |
| DICST9012D | Cover DI 915 x 1270mm 2 Part Solid Top  | 915       | 1270       | 1110          | 1480           | 100   | 275         |
| DICST1212D | Cover DI 1200 x 1290mm 2 Part Solid Top | 1200      | 1290       | 1436          | 1526           | 125   | 585         |



# CLASS G MULTIPART COVERS

Hygrade offer a range of Multipart covers that meet Class G loading requirements for Airports and Ports. These covers are available as Infill or Solid Top to suit a variety of clear opening sizes.



## CLASS G TWO & THREE PART COVERS

Multipart covers give you the ability to cover a large size opening while still retaining adequate load ratings. These covers are designed to be opened and reinstalled in sequence. This needs to be considered during the system design so that access for lifting equipment can be maintained.

As multipart access covers come in small sections, they are easier to remove and gain access to specific parts in an underground chamber. This can be useful if only an inspection is required rather than full access for maintenance.

**Note:** For lid lifters suitable for the standard key holes of these covers, refer to page 32.

- Meets the requirements of AS3996:2019
- Manufactured from over 90% recycled materials
- Close tolerances to eliminate movement
- Bolt down capability for security
- Removable beams for full access

## CLASS G INFILL COVERS

These covers are recessed for concrete infill which makes them the perfect solution for providing a surface which can be made to blend into a surrounding area. The surface finish will dictate the skid resistance for the cover. All recessed covers are designed with cross-ribs to increase strength.



FIG. 25 DICIF6019G



FIG. 26 DICIF9090G

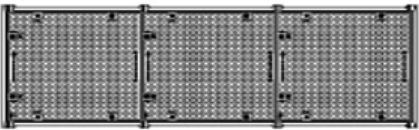


FIG. 27 DICIF9012G

| Code       | Description                         | Frame     |            |               |                |       |             |
|------------|-------------------------------------|-----------|------------|---------------|----------------|-------|-------------|
|            |                                     | C/O Width | C/O Length | Overall Width | Overall Length | Depth | Weight (kg) |
| DICIF6019G | Cover DI 600 x 1980mm 3 Part Infill | 600       | 1980       | 836           | 2216           | 125   | 636         |
| DICIF9090G | Cover DI 900 x 900mm 2 Part Infill  | 915       | 990        | 1151          | 1226           | 125   | 420         |
| DICIF9012G | Cover DI 915 x 1290mm 2 Part Infill | 915       | 1290       | 1151          | 1526           | 125   | 470         |

CLASS G **SOLID TOP COVERS**

This solid top multipart cover comes in a 2-part design. Solid top covers are lighter in weight than concrete infilled covers. They feature a textured anti-slip surface designed for maximum performance in all weather conditions.



Glass G TWO-& THREE-PART solid top covers are available in a range of modular sizes on a “made to order” basis.

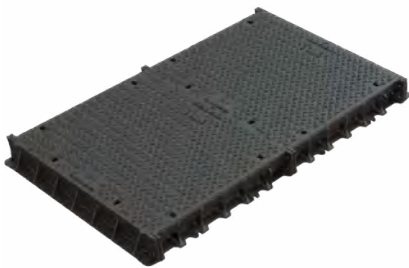


FIG. 28 DICST9012G

| Code       | Description                            | Frame     |            |               |                |       |             |
|------------|----------------------------------------|-----------|------------|---------------|----------------|-------|-------------|
|            |                                        | C/O Width | C/O Length | Overall Width | Overall Length | Depth | Weight (kg) |
| DICST9012G | Cover DI 915 x 1290mm 2 Part Solid Top | 915       | 1290       | 1151          | 1526           | 125   | 470         |

# HINGED LIFT ASSIST COVERS

For ease of access, Hygrade offer a range of Hinged Lift Assist Covers in Class D and Class G. A mechanical spring is used to reduce the lifting weight of the cover as low as 16kg. This allows frequent access with only hand tools.



## HINGED LIFT ASSIST COVERS

Hinged Lift Assist covers feature a mechanical spring strut that significantly reduces the lifting effort required to open the cover compared to traditional solid top or infill covers.

These are ideal covers when frequent access is required and heavy loadings are expected.

- Spring assist
- Meets the requirements of AS3996:2019
- Manufactured from over 90% recycled materials

### CLASS D HINGED LIFT ASSIST COVERS

Class D Hinged Lift Assist Covers are ideal for use in roadways and carparks where quick ease of access is required.



FIG. 31 DICLFA9090D



FIG. 32 DICLFA1212D

| Code        | Description                               | Frame     |            |               |                |       |             |
|-------------|-------------------------------------------|-----------|------------|---------------|----------------|-------|-------------|
|             |                                           | C/O Width | C/O Length | Overall Width | Overall Length | Depth | Weight (kg) |
| DICLFA9090D | Cover DI 914 x 914mm Hinged Lift Assist   | 914       | 914        | 1146          | 1146           | 127   | 250         |
| DICLFA1212D | Cover DI 1219 x 1219mm Hinged Lift Assist | 1219      | 1219       | 1428          | 1428           | 152   | 415         |

## CLASS G HINGED LIFT ASSIST COVERS

Class G Hinged Lift Assist Covers are ideal for use in airports and ports where ready access to underground infrastructure is required.



FIG. 33 DICLFA7575G



FIG. 34 DICLFA9090G



FIG. 35 DICLFA1212G



FIG. 36 DICFOD7676G



FIG. 37 DICFOD9191G

| Code        | Description                                 | Frame     |            |               |                |       |             |
|-------------|---------------------------------------------|-----------|------------|---------------|----------------|-------|-------------|
|             |                                             | C/O Width | C/O Length | Overall Width | Overall Length | Depth | Weight (kg) |
| DICLFA7575G | Cover DI 762 x 762mm Hinged Lift Assist     | 762       | 762        | 1035          | 1035           | 127   | 240         |
| DICLFA9090G | Cover DI 914 x 914mm Hinged Lift Assist     | 914       | 914        | 1146          | 1146           | 127   | 310         |
| DICLFA1212G | Cover DI 1219 x 1219mm Hinged Lift Assist   | 1219      | 1219       | 1428          | 1428           | 152   | 455         |
| DICFOD7676G | Cover DI 762 x 762mm Hinged Lift Assist FOD | 762       | 762        | 1035          | 1035           | 127   | 196         |
| DICFOD9191G | Cover DI 914 x 914mm Hinged Lift Assist FOD | 914       | 914        | 1146          | 1146           | 127   | 255         |



# CIRCULAR COVERS AND GRATES

Hygrade offer a robust hinged Ductile Iron access cover and grate system for use in extra heavy duty loading applications such as Ports, Airports and Freight Hubs.



## CIRCULAR COVERS AND GRATES

The SOLO hinged access covers are available as either a solid top or grated cover. These models are specifically designed to suit the higher loadings associated with Ports and Airports. Both are 600mm clear opening and are hinged for easy access. The solid top cover is also locked down for security. Load rated to 900kN.

- Meets the requirements of AS3996:2019
- Manufactured from over 90% recycled materials
- Bolt down capability for security

**Note:** For lid lifters suitable for the standard key holes of these covers, refer to page 32.



FIG. 38 DICST600F



FIG. 39 DIG600F

| Code      | Description                | Frame        |                  |       |             |
|-----------|----------------------------|--------------|------------------|-------|-------------|
|           |                            | C/O Diameter | Outside Diameter | Depth | Weight (kg) |
| DICST600F | Cover DI 600mm Hinged SOLO | 600          | 850              | 100   | 100.3       |
| DIG600F   | Grate DI 600mm Hinged SOLO | 600          | 850              | 100   | 103.5       |

# GRATES

Our sump and trench grates compliment our range of covers as these are also designed to withstand high loadings.



## GRATES

This range of sump and trench grates is designed to withstand extra heavy loads that traditional grates cannot handle.

- Meets the requirements of AS3996:2019
- Manufactured from over 90% recycled materials
- Close tolerances to eliminate movement
- Bolt down capability for security

## SUMP GRATES

Available in Class D and Class G, our Sump Grate range caters to a variety of different sump sizes.

### CLASS D SUMP GRATES



FIG. 40 DIG3030D



FIG. 41 DIG6045D



FIG. 42 DIG9060D

| Code     | Description                | Frame     |            |               |                |       |             |
|----------|----------------------------|-----------|------------|---------------|----------------|-------|-------------|
|          |                            | C/O Width | C/O Length | Overall Width | Overall Length | Depth | Weight (kg) |
| DIG3030D | Grate DI 300 x 300mm Sump  | 300       | 300        | 450           | 410            | 55    | 26          |
| DIG6045D | Grate DI 600 x 450mm Sump  | 600       | 450        | 750           | 560            | 55    | 49          |
| DIG6060D | Grate DI 600 x 600mm Sump  | 600       | 600        | 750           | 710            | 55    | 54          |
| DIG9060D | Grate DI 900 x 600mm Sump  | 880       | 640        | 1050          | 660            | 80    | 156         |
| DIG9090D | Grate DI 900 x 900mm Sump  | 900       | 960        | 1060          | 970            | 80    | 234         |
| DIG9012D | Grate DI 900 x 1200mm Sump | 880       | 1280       | 1050          | 1300           | 80    | 312         |

## CLASS G SUMP GRATES



FIG. 43 DIG6045G



FIG. 44 DIG9060G

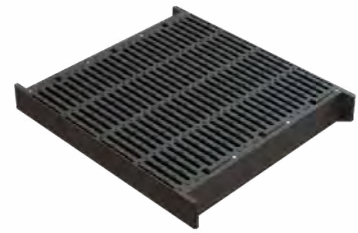


FIG. 45 DIG9090G

| Code     | Description               | Frame     |            |               |                |       |             |
|----------|---------------------------|-----------|------------|---------------|----------------|-------|-------------|
|          |                           | C/O Width | C/O Length | Overall Width | Overall Length | Depth | Weight (kg) |
| DIG6045G | Grate DI 600 x 450mm Sump | 600       | 450        | 770           | 590            | 80    | 120         |
| DIG6060G | Grate DI 600 x 600mm Sump | 600       | 600        | 670           | 670            | 80    | 150         |
| DIG9060G | Grate DI 900 x 600mm Sump | 890       | 640        | 1090          | 650            | 125   | 236         |
| DIG9090G | Grate DI 900 x 900mm Sump | 890       | 965        | 1090          | 975            | 125   | 248         |

**NOTE:** Larger custom grate sizes may be available on a "made to order" basis

## TRENCH GRATES

Trench grates are typically installed on top of concrete channels. They are designed to withstand extra heavy loadings in high traffic environments.

### CLASS D TRENCH GRATES



FIG. 46 DITG3010D

| Code      | Description                  | Frame     |            |               |                |       |             |
|-----------|------------------------------|-----------|------------|---------------|----------------|-------|-------------|
|           |                              | C/O Width | C/O Length | Overall Width | Overall Length | Depth | Weight (kg) |
| DITG3010D | Grate DI 300 x 1000mm Trench | 300       | 1000       | 410           | 1000           | 50    | 54          |

### CLASS G TRENCH GRATES



FIG. 47 DITG3060G

| Code      | Description                 | Frame     |            |               |                |       |             |
|-----------|-----------------------------|-----------|------------|---------------|----------------|-------|-------------|
|           |                             | C/O Width | C/O Length | Overall Width | Overall Length | Depth | Weight (kg) |
| DITG3060G | Grate DI 300 x 600mm Trench | 300       | 600        | 430           | 600            | 78    | 57          |

# SERVICE BOXES

In intense loading environments where traditional Service Boxes cannot be used, Hygrade offer Service Boxes that meet Class G loading requirements.



## SERVICE BOXES

These Service Boxes are designed to withstand the Class G loadings seen under intense traffic conditions such as Airports and Ports.

- Meets the requirements of AS3996:2019
- Manufactured from over 90% recycled materials
- Precision machined to seal against gas, air, and water ingress or egress
- Close tolerances to eliminate movement
- Bolt down capability for security



FIG. 48 DISB2222G

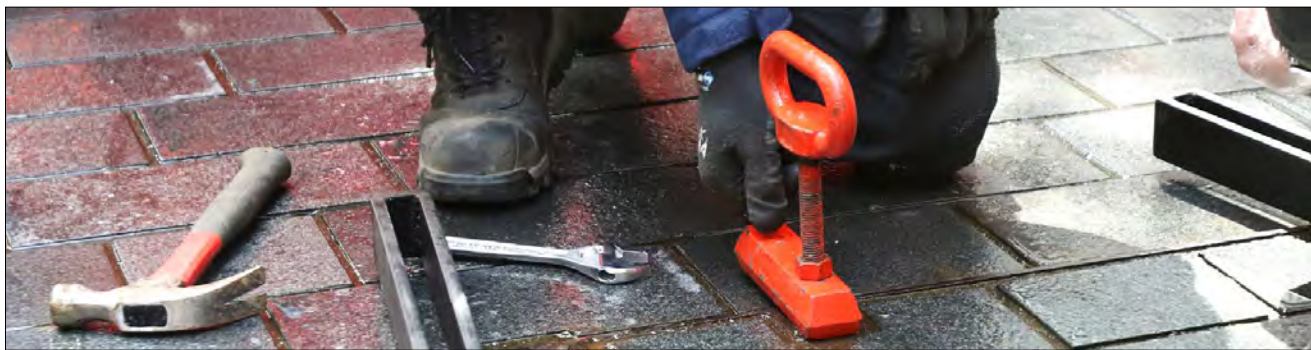


FIG. 49 DISB300G

| Code      | Description                              | Frame     |            |               |                |       |             |
|-----------|------------------------------------------|-----------|------------|---------------|----------------|-------|-------------|
|           |                                          | C/O Width | C/O Length | Overall Width | Overall Length | Depth | Weight (kg) |
| DISB2222G | Service Box DI 225 x 225mm               | 225       | 225        | 411           | 411            | 150   | 54          |
| DISB300G  | Service Box DI 300mm Monument (circular) | 300       |            | 475           |                | 200   | 46          |

# ACCESSORIES

Hygrade offer a range of accessories to compliment the Gas and Airtight Covers and Grates.



## ACCESSORIES

Our range of lifters are designed specifically for use with Gas and Airtight Covers and Grates. Lifting keyhole plugs are also available as part of the accessory range.

- Meets the requirements of AS3996:2019

### LIFTERS & KEYS



FIG. 50 LIDLIFTCMS



FIG. 51 LIDLIFTGLHK



FIG. 52 LIDLIFTGMHK



FIG. 53 LIDLIFTKP



FIG. 54 DIMHLK



FIG. 55 LIDLIFTEJXL750

| Code           | Description                                        |
|----------------|----------------------------------------------------|
| LIDLIFTCMS     | Lid Lifter Crane Mechanical Set-4 Piece            |
| LIDLIFTGLHK    | Lid Lifter Long Handle Key                         |
| LIDLIFTGMHK    | Lid Lifter Seal Breaker Key                        |
| LIDLIFTKP      | Lid Lifter Key Pack                                |
| DIMHLK         | Locking Key for Solo Hinged Access Cover and Grate |
| LIDLIFTEJXL750 | EJ Wheeled Manhole Lifter XL750                    |

## KEYHOLE PLUGS

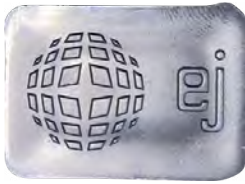


FIG. 56 DICPPREC



FIG. 57 DICPSSREC

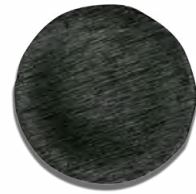


FIG. 58 DICPPRND

| Code      | Description                              |
|-----------|------------------------------------------|
| DICPPREC  | Plug Plastic Keyhole Rectangular         |
| DICPSSREC | Plug Stainless Steel Keyhole Rectangular |
| DICPPRND  | Plug Plastic Bolt Hole Round             |



# Specialised Access Solutions Catalogue

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