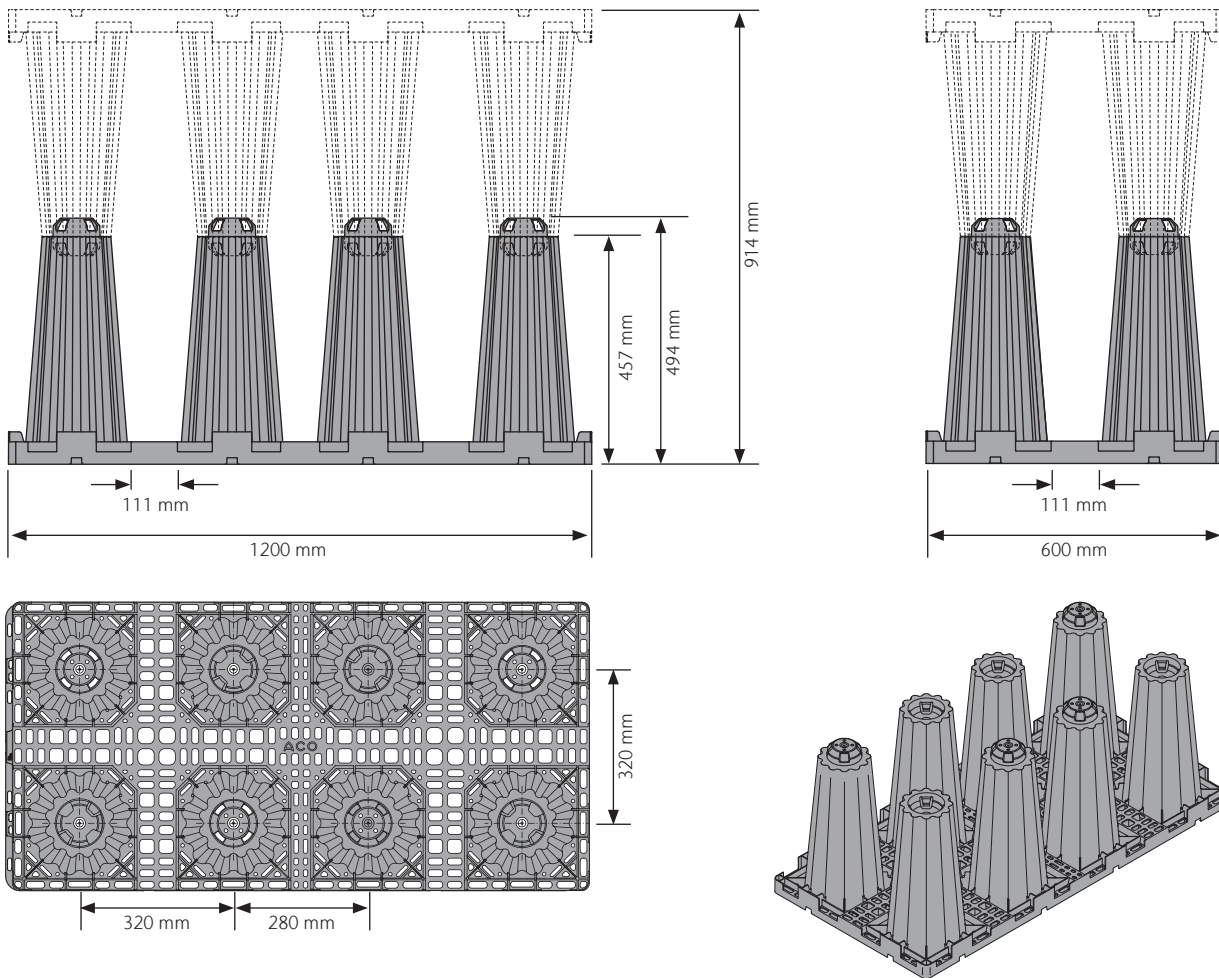


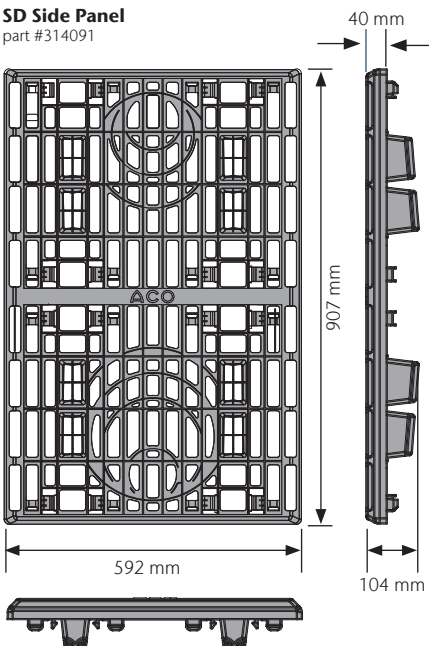
# ACO StormBrixx® SD: Lateral Loading 70 kN/m<sup>2</sup>

## Stormwater Retention/Detention/Infiltration System

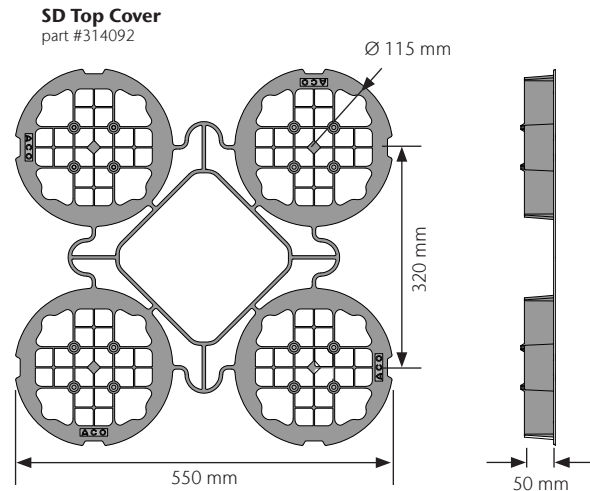
**SD Tank Half Body**  
part #314090



**SD Side Panel**  
part #314091



**SD Top Cover**  
part #314092



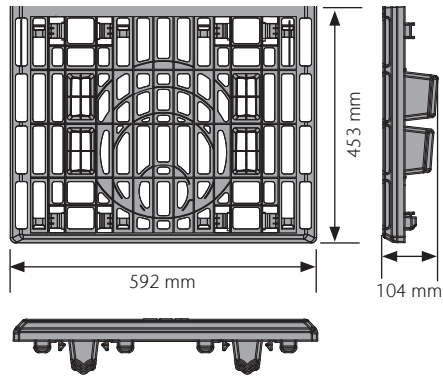
ACO Specification Information

# ACO StormBrixx® SD: Lateral Loading 70 kN/m<sup>2</sup>

## Stormwater Retention/Detention/Infiltration System

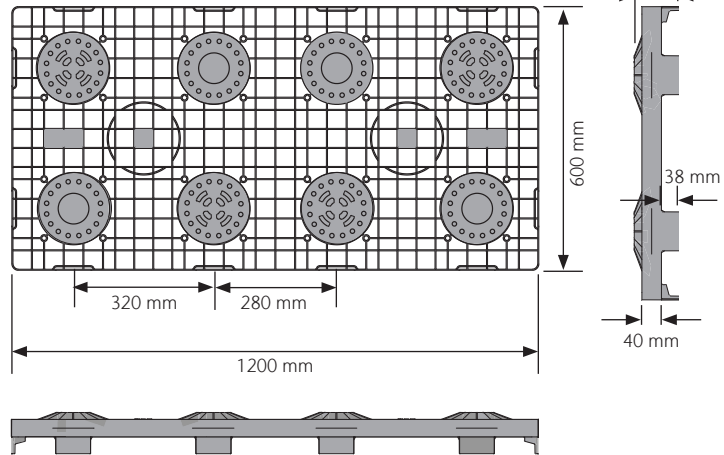
**SD Half-Layer Side Panel**

part #314098



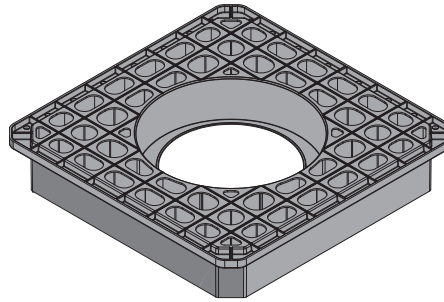
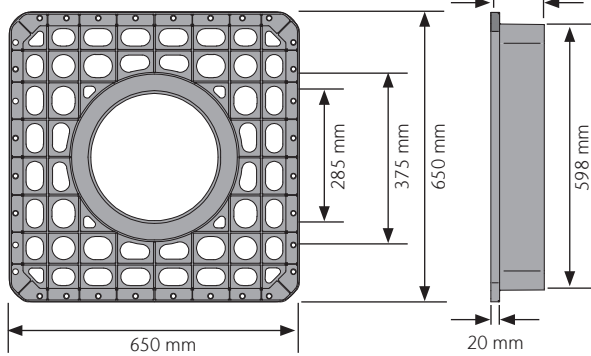
**Half-Layer Top Cover Plate**

part #314094



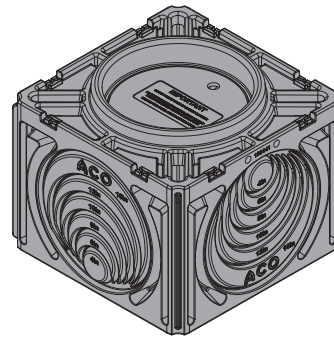
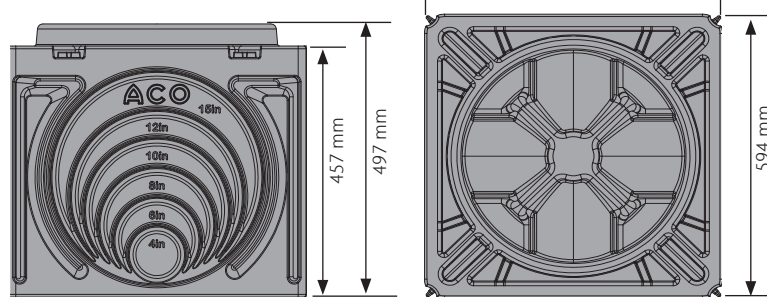
**Access Plate**

part #314075



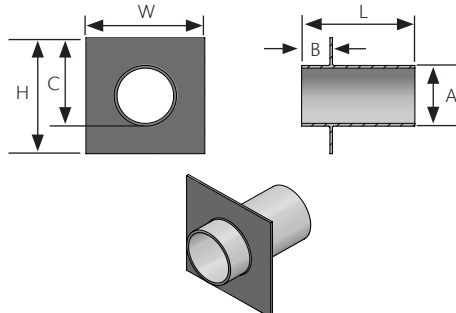
**SD Access Chamber**

part #138141



**Pipe Connector with Flange**

part #: see chart



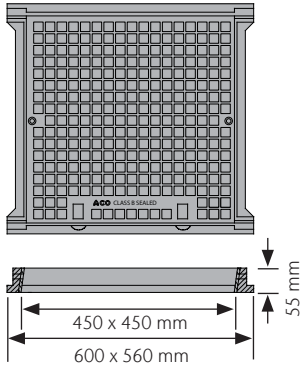
| Pipe Size | Part # | A mm | B mm | C mm | H mm | W mm | L mm |
|-----------|--------|------|------|------|------|------|------|
| DN100     | 142833 | 111  | 50   | 161  | 210  | 210  | 200  |
| DN150     | 142834 | 161  | 50   | 211  | 260  | 260  | 200  |
| DN225     | 142835 | 251  | 50   | 301  | 350  | 350  | 200  |
| DN300     | 142836 | 317  | 50   | 367  | 415  | 415  | 200  |
| DN375     | 142837 | 402  | 50   | 452  | 500  | 500  | 200  |

ACO Specification Information

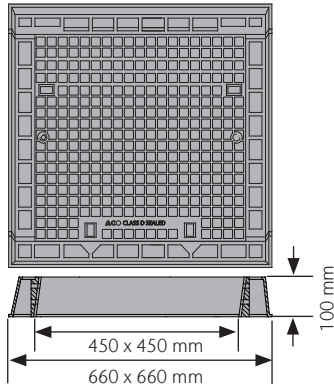
# ACO StormBrixx® SD: Lateral Loading 70 kN/m<sup>2</sup>

## Stormwater Retention/Detention/Infiltration System

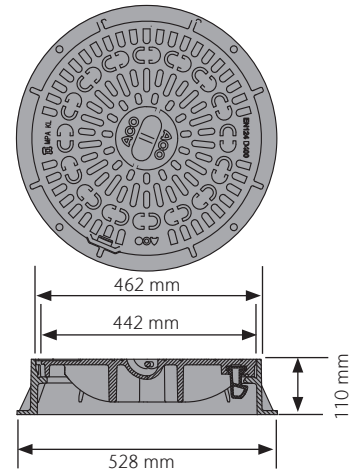
**Rhinocast Square Solid Top Cover  
(Class B)**  
part #85249



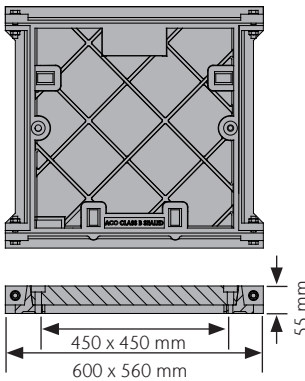
**Rhinocast Square Solid Top Cover  
(Class D)**  
part #89268



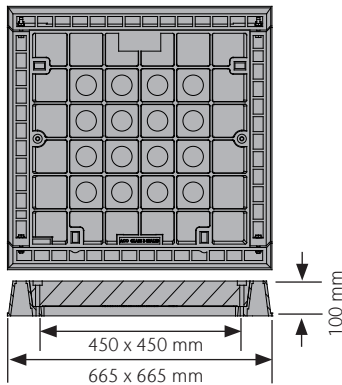
**Circular Solid Top Access Cover  
(Class D400)**  
part #314043



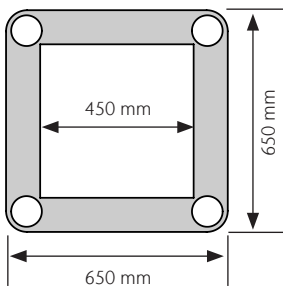
**Rhinocast Square Recessed Access Cover  
(Class B)**  
part #85014



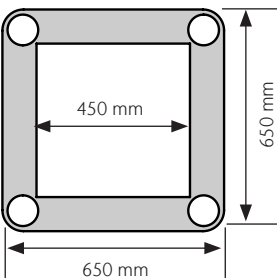
**Rhinocast Square Recessed Access Cover  
(Class D)**  
part #89013



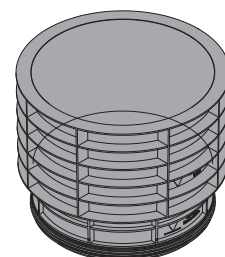
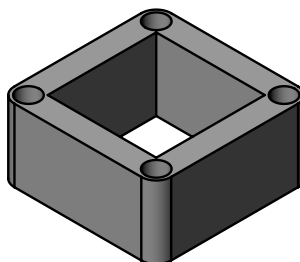
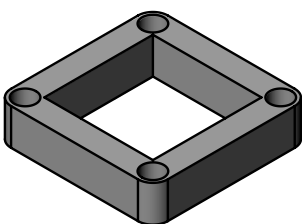
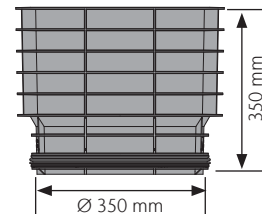
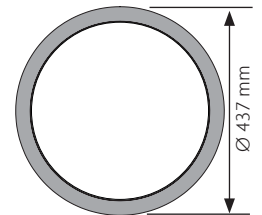
**EzyBrixx® Square Rising Access Shaft**  
part #142832



**EzyBrixx® Square Rising Access Shaft**  
part #142831



**Circular Rising Access Shaft**  
part #314038



ACO Specification Information

# ACO StormBrixx® SD: Lateral Loading 70 kN/m<sup>2</sup>

## Stormwater Retention/Detention/Infiltration System

### ACO StormBrixx SD Parts Table

|                                                   | Part # | Length mm | Width mm | Depth mm | Weight kg |
|---------------------------------------------------|--------|-----------|----------|----------|-----------|
| SD Tank Half Body                                 | 314090 | 1200      | 600      | 494      | 9.5       |
| SD Side Panel                                     | 314091 | 907       | 592      | 104      | 3.1       |
| SD Top Cover                                      | 314092 | 550       | 550      | 50       | 0.8       |
| SD Layer Connector                                | 314093 | 53        | 44       | 26.5     | 0.1       |
| SD Half Layer Side Panel                          | 314098 | 454       | 592      | 104      | 1.5       |
| Half Layer Top Cover Plate                        | 314094 | 1200      | 600      | 94       | 3.5       |
| SD Access Chamber                                 | 138141 | 594       | 594      | 497      | 18.1      |
| Access Plate                                      | 314075 | 650       | 650      | 120      | 4.7       |
| Rhinocast Square Solid Top Access Cover (Class B) | 85249  | 560       | 600      | 55       | 44        |
| Rhinocast Square Solid Top Access Cover (Class D) | 89268  | 660       | 660      | 100      | 87        |
| Rhinocast Square Recessed Access Cover (Class B)  | 85014  | 560       | 600      | 55       | 47        |
| Rhinocast Square Recessed Access Cover (Class D)  | 89013  | 665       | 665      | 100      | 85        |
| EzyBrixx Square Rising Access Shaft - 150 mm high | 142832 | 650       | 650      | 150      | 4.9       |
| EzyBrixx Square Rising Access Shaft - 300 mm high | 142831 | 650       | 650      | 300      | 9.8       |
| EzyBrixx Access Shaft Connector Clips (set of 4)  | 142840 | 94        | 24       | 26       | 0.05      |
| Circular Solid Top Access Cover (Class D400)      | 314043 | -         | Ø528     | 110      | 38        |
| Circular Rising Access Shaft - 300mm high         | 314038 | -         | Ø437     | 350      | 2.6       |
| Pipe Connector with Flange DN100                  | 142833 | 210       | 210      | 200      | 0.6       |
| Pipe Connector with Flange DN150                  | 142834 | 260       | 260      | 200      | 1.1       |
| Pipe Connector with Flange DN225                  | 142835 | 350       | 350      | 200      | 2.5       |
| Pipe Connector with Flange DN300                  | 142836 | 415       | 415      | 200      | 4.0       |
| Pipe Connector with Flange DN375                  | 142837 | 500       | 500      | 200      | 6.0       |

### Geomembrane/Geotextile Parts Table

|                                                                    | Part #   | Roll size m | Area m <sup>2</sup> | Weight kg |
|--------------------------------------------------------------------|----------|-------------|---------------------|-----------|
| Geomembrane for Det/Ret - 1mm liner - 8m x 50m roll <sup>1,2</sup> | 142967   | 8 x 50      | 400                 | 400       |
| Non Woven Geotextile for Det/Ret - 2m x 50m roll <sup>3</sup>      | 142971   | 2 x 50      | 100                 | 15        |
| Non Woven Geotextile for Det/Ret - 2m x 175m roll <sup>3</sup>     | 142973** | 2 x 175     | 350                 | 70        |
| Non Woven Geotextile for Det/Ret - 3m x 175m roll <sup>3</sup>     | 142974** | 3 x 175     | 525                 | 105       |
| Non Woven Geotextile for Det/Ret - 4m x 175m roll <sup>3</sup>     | 142975** | 4 x 175     | 700                 | 140       |
| Non Woven Geotextile for Det/Ret - 6m x 175m roll <sup>3</sup>     | 142976** | 6 x 175     | 1050                | 210       |
| Woven Geotextile for Infiltration - 2m x 50m roll                  | 142965   | 2 x 50      | 100                 | 13        |
| Woven Geotextile for Infiltration - 4m x 50m roll                  | 142966   | 4 x 50      | 200                 | 28        |
| Sealing Tape for Geomembrane - 50mm x 10m roll                     | 142969   | 0.05 x 10   | -                   | -         |

\*\* If supplied from Perth office, add 'WA' to the end of the Part #, for example '142973WA'.

<sup>1</sup>Geomembrane roll can be cut down to size for a nominal cutting fee, contact ACO.

<sup>2</sup>Prefabricated geomembrane panels up to approximately 1,000m<sup>2</sup> can be supplied, contact ACO.

<sup>3</sup>Non woven geotextile can also be used for infiltration tanks.

### Specifications

#### General

The stormwater Retention\*/Detention\* Infiltration\* system shall be ACO Stormbrixx SD as manufactured by ACO.

#### Materials

The StormBrixx SD tank shall be manufactured from polypropylene with minimum properties as follows:

Vertical strength: 350 kN/m<sup>2</sup>

Lateral strength: 70 kN/m<sup>2</sup>

Design life: 50 years

Frost proof, salt proof and fuel and oil resistant.

The stormwater tank shall provide an average 97% open area, holding up to 0.638 m<sup>3</sup> (638 litre) per cell (two SD tank half bodies assembled) and offer full access to all areas and levels for maintenance.

#### Geomembranes/Geotextiles

The StormBrixx stormwater tank shall be wrapped in appropriate permeable geotextile and/or impermeable geomembrane depending on tank use.

#### Accessories

The StormBrixx stormwater tank shall be used in conjunction with access chambers/ plates with rising access shafts and access covers. Pipe connectors with flange are available for connection with inlet, outlet, vent and inspection pipes.

#### Installation

The StormBrixx stormwater tank shall be installed in accordance with the manufacturer's installation instructions and recommendations.

\* Choose one

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