Typical applications

- Multi-storey car parks
- Restricted depth applications
- Elevated slabs
- Retro-fit
- Threshold applications

On occasion, installation constraints are of greater concern than hydraulics. The most common constraint is lack of depth.

To offer solutions where shallow trench drains are required, ACO offers SlabDrain in three widths - all neutral depths. Loading varies depending upon grate chosen, up to Load Class D210kN.

Grates are secured into the channel by ACO’s patented boltless locking device - QuickLok.
**SlabDrain Features**

**Polymer concrete** - a durable lightweight material made from polyester resin binder reinforced by mineral aggregates and fillers - up to four times the compressive strength of cement concrete. See page 20 for material properties.

**SF Sealant groove** - a 10mm x 8mm groove is cast into the male end of every channel. This groove allows for a positive bead of flexible sealant to be inserted at joints.

**Wide choice of grates** in various materials and styles (including compliance with AS 1428.2 Design for Access and Mobility - Part 2) for applications up to Load Class D210kN (AS 3996).

**Direction arrows** cast on side of channel indicate flow direction and ensure channels are installed correctly.

**Profiled side walls** - strengthening ribs provide channel body strength and anchorage to surrounding concrete.

**Integrally cast-in galvanised steel / stainless steel edge rail** provides additional strength and protects channel lip from wearing damage. Also provides a good pavement restraining edge.

**QuickLok** - patented, boltless locking system provides quick fitting and removal of grates. Helps reduce installation, maintenance time and cost.

**Vertical outlets** for pipe connection allows vertical discharge of the system at the male (downstream) end of every channel. H100K has drillout for DN100 pipe. H200K has drillout for DN150 pipe. H300K has drillout for DN150 pipe.

**Polymer concrete** - a durable lightweight material made from polyester resin binder reinforced by mineral aggregates and fillers - up to four times the compressive strength of cement concrete.

**SF Sealant groove** - a 10mm x 8mm groove is cast into the female end of every channel. This groove allows for a positive bead of flexible sealant to be inserted at joints.

**Wide choice of grates** in various materials and styles (including compliance with AS 1428.2 Design for Access and Mobility - Part 2) for applications up to Load Class D210kN (AS 3996).

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Channels & end caps

**H100K**

A wide selection of grates is available for use with H100K, rated up to Class D210kN. See pages 34-37 for details.

**Grates**

A selection of grates is available for use with H100K, rated up to Class D210kN. See pages 39 for details.

**H200K**

A wide selection of grates is available for use with H200K, rated up to Class D210kN. See pages 39 for details.

**Grates**

A selection of grates is available for use with H200K, rated up to Class D210kN. See pages 39 for details.

**H300K**

A wide selection of grates is available for use with H300K, rated up to Class D210kN. See pages 41 for details.

**Grates**

A selection of grates is available for use with H300K, rated up to Class D210kN. See pages 41 for details.

---

**Flow rates**

<table>
<thead>
<tr>
<th>Product</th>
<th>Outlet Size</th>
<th>Invert Depth</th>
<th>Litres/ sec</th>
</tr>
</thead>
<tbody>
<tr>
<td>H100K - 80</td>
<td>100mm round</td>
<td>65</td>
<td>5.8</td>
</tr>
<tr>
<td>H100K - 100</td>
<td>100mm round</td>
<td>85</td>
<td>6.4</td>
</tr>
<tr>
<td>H200K</td>
<td>150mm round</td>
<td>100</td>
<td>16.1</td>
</tr>
<tr>
<td>H200K</td>
<td>150mm round</td>
<td>100</td>
<td>16.1</td>
</tr>
<tr>
<td>H300K</td>
<td>150mm round</td>
<td>100</td>
<td>16.1</td>
</tr>
</tbody>
</table>

**Notes:**

1. H100KS - 80 and H100KS - 100 have Grade 304 stainless steel rails.
2. Add nominal 15mm to invert depth for overall channel depth.
3. Preformed drill-out for DN100 pipe on underside of each channel.
4. See pages 34-37 for details.
5. Use QuickLok grate removal tool to remove grates (Part # 01318).

---

**Channels & end caps**

<table>
<thead>
<tr>
<th>Description</th>
<th>Part No</th>
<th>Invert Depth</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>H100K - 80 Neutral channel (1m)</td>
<td>06490</td>
<td>65 65</td>
<td>9.0</td>
</tr>
<tr>
<td>H100K - 100 Neutral channel (1m)</td>
<td>06369</td>
<td>65 65</td>
<td>9.0</td>
</tr>
<tr>
<td>H100K - 100 Neutral channel (1m)</td>
<td>06086</td>
<td>85 85 12.5</td>
<td></td>
</tr>
<tr>
<td>H100K - 100 Stainless steel end cap</td>
<td>95625</td>
<td>- - 0.5</td>
<td></td>
</tr>
<tr>
<td>H100K - 80 Stainless steel end cap</td>
<td>95646</td>
<td>- - 0.5</td>
<td></td>
</tr>
</tbody>
</table>

**Notes:**

1. H100K - 80 and H100K - 100 have Grade 304 stainless steel rails.
2. Add nominal 15mm to invert depth for overall channel depth.
3. Preformed drill-out for DN100 pipe on underside of each channel.
4. See pages 34-37 for details.
5. Use QuickLok grate removal tool to remove grates (Part # 01318).

---

**H200K**

A wide selection of grates is available for use with H200K, rated up to Class D210kN. See pages 39 for details.

**Grates**

A selection of grates is available for use with H200K, rated up to Class D210kN. See pages 39 for details.

**H300K**

A wide selection of grates is available for use with H300K, rated up to Class D210kN. See pages 41 for details.

**Grates**

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<td>16.1</td>
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<td>150mm round</td>
<td>100</td>
<td>16.1</td>
</tr>
</tbody>
</table>

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**Notes:**

1. H300KS has Grade 304 stainless steel rails.
2. Add nominal 30mm to invert depth for overall channel depth.
3. Preformed drill-out for DN150 pipe on underside of each channel.
4. See page 39 for details.
5. Use QuickLok grate removal tool to remove grates (Part # 01318).

---

**Channels & end caps**

<table>
<thead>
<tr>
<th>Description</th>
<th>Part No</th>
<th>Invert Depth</th>
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</tr>
</thead>
<tbody>
<tr>
<td>H200K Neutral channel (1m)</td>
<td>06095</td>
<td>100 100</td>
<td>27.2</td>
</tr>
<tr>
<td>H200K Neutral channel (1m)</td>
<td>06129</td>
<td>100 100</td>
<td>27.2</td>
</tr>
<tr>
<td>H200K Stainless steel end cap</td>
<td>95668</td>
<td>- - 1.0</td>
<td></td>
</tr>
</tbody>
</table>

**Notes:**

1. H200KS has Grade 304 stainless steel rails.
2. Add nominal 30mm to invert depth for overall channel depth.
3. Preformed drill-out for DN150 pipe on underside of each channel.
4. See page 39 for details.
5. Use QuickLok grate removal tool to remove grates (Part # 01318).

---

**H300K**

A wide selection of grates is available for use with H300K, rated up to Class D210kN. See pages 41 for details.

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1. H300KS has Grade 304 stainless steel rails.
2. Add nominal 30mm to invert depth for overall channel depth.
3. Preformed drill-out for DN150 pipe on underside of each channel.
4. See page 41 for details.
5. Use QuickLok grate removal tool to remove grates (Part # 01318).
**Typical applications**
- Shopping centres
- Pedestrian areas
- High profile projects
- Suspended slabs with waterproof membranes
- Pool areas

**Specialty Products**
Products designed for specific drainage applications

To complement its core range of general purpose (KlassikDrain & PowerDrain) and shallow (SlabDrain) grated trench drains, ACO has developed a specialty range of drainage products for specific applications and problem situations.

Typical solutions range from discreet purpose made trench drainage systems for brick pavements; grated trench drains that allow for the connection of waterproof membranes; and unobtrusive, attractive threshold drains.