Choosing the Correct Trench Drain

ACO has an established Technical Services Department with many years experience advising on surface drainage.

This free service is offered with no obligation and is supported by a range of written information, brochures and technical documentation.

Services include advice at project design stage through to on site advice where required.

1. Trench Hydraulics
   - Free calculations to ensure correct sizing of trenches.

2. Grate Hydraulics
   - Initial calculations to ensure flow is captured.

3. Run Layouts
   - Plan and profile layouts complete with bill of materials.

4. Pending Analysis
   - Risk analysis of flood situations, including duration.

5. Chemical Resistance
   - Choosing correct materials to withstand work environment.

ACO Service & Support

ACO offers several support services to help designers evaluate or accelerate these roles whilst keeping within the design and cost restraints of the project flow detail.

### Table: Recommended Grate Data and Results

<table>
<thead>
<tr>
<th>Water Flow Rate</th>
<th>Grate Type</th>
<th>Intake Calculation</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.01 m/s</td>
<td>XD/13/23</td>
<td>K100 HEELSAFE ANTI-SLIP STAINLESS GRATE - The grate intake calculation to ensure 100% of the flow is captured with no flow bypassing the grate.</td>
</tr>
</tbody>
</table>

### ACO DRAIN®

**Introduction and Overview Brochure**

A Summary of the ACO Drain® Product Brand

- **KlassikDrain** - general purpose trench drains
- **PowerDRAIN** - heavy duty trench drains
- **SlabDrain** - shallow channel trench drains
- **Specialty Products**
ACO Drain® is produced at ACO’s Islands through its partners.
warehouses throughout Australia.
located at Emu Plains, NSW
ACO’s manufacturing plant is
enclosures; access covers and other
products; cable pit and ducting
stormwater and building drainage
offers an extensive portfolio of
ACO, established in Australia in 1993,
of $1 billion.
3,800 people and has sales in excess
of 40
The group operates on a global
ACO Drain®
ACO Drain® is produced at ACO’s manufacturing facility in NSW.
ACO Drain® offers a comprehensive
manufacturing facility in NSW.
range of trench drain solutions for
customers, both external and internal.
ACO’s manufacturing plant is
located at Emu Plains, NSW and
support and maintains warehouses
throughout Australia. ACO also
supplies products to
and the Pacific through its partners.
ACO, the future of drainage.

Service Chain
To support the extensive product range, ACO provides support from
the initial design conception to the final installation.

Specialty Products
Brickslot
MiniKlassik
Grated Pits

For use where an existing catchment
has been fitted with an outlet for
good drainage, the collection of
concentrated surface water runoff.
Grated pits are available in a wide
range of styles including Stainless steel
and Galvanised steel units and
easy to transport. Grated pits also
available.

Product Overview
KlassikDrain - K1000/K2000/K3000
General purpose steel edged, modular trench drain system
A general purpose modular drainage system, ideal for pedestrian, commercial and light industrial applications.
Available in a choice of three internal widths – 300mm, 200mm and 300mm.

Stabiflow In-Line Metal Edged, Modular Trench Drain System
A versatile modular drainage system with a choice of 3 internal widths – 300mm, 250mm and 300mm.

PowerDrain - S100K/S200K/S300K
Heavy duty ductile iron edged, modular trench drain system
A heavy duty modular drainage system, ideal for heavy and commercial applications.
Available in a choice of three internal widths – 150mm, 200mm and 300mm.

Service Chain
To support the extensive product range, ACO provides support from
the initial design conception to the final installation.

Services include in-house project specific design advice, field support and post-installation advice. Product training
and professional development seminars are provided throughout the community with updates on the latest product innovations.

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