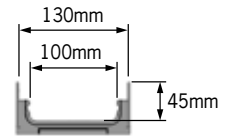
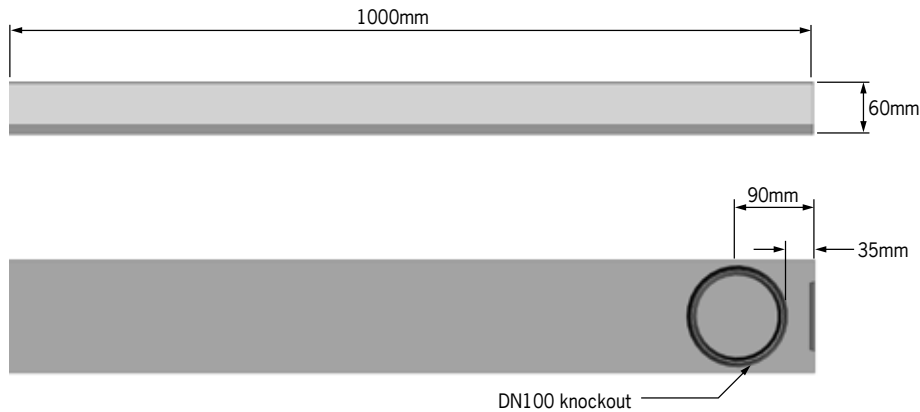


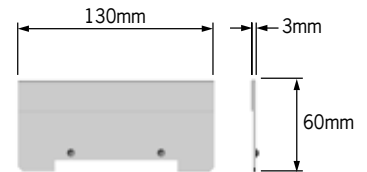
# SlabDrain - H100K/H100KS Steel edge rail channel system



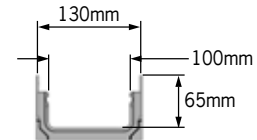
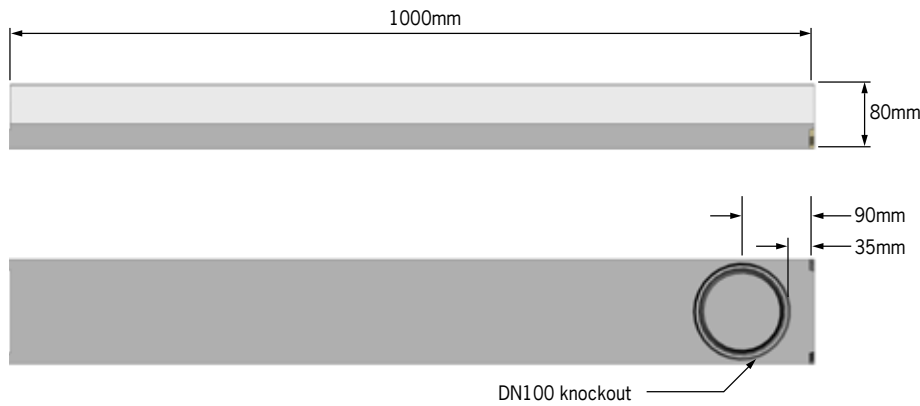
**H100K-60 channel with galvanised steel edge rails**  
**H100KS-60 channel with stainless steel edge rails**



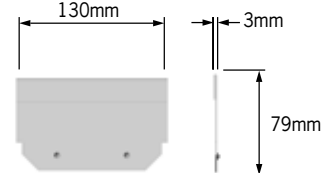
**End Cap**



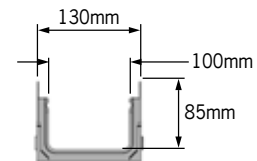
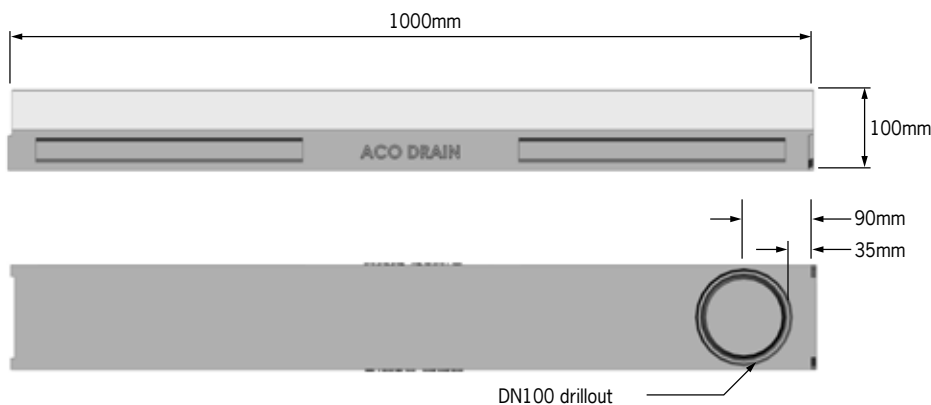
**H100K-80 channel with galvanised steel edge rails**  
**H100KS-80 channel with stainless steel edge rails**



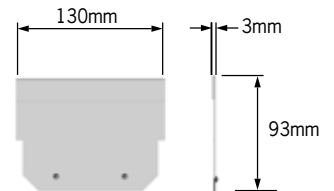
**End Cap**



**H100K-100 channel with galvanised steel edge rails**  
**H100KS-100 channel with stainless steel edge rails**



**End Cap**



## Outlet flow rates

| Product              | Outlet size | Invert Depth (mm) | L/s |
|----------------------|-------------|-------------------|-----|
| H100K-60/H100KS-60   | 100mm round | 45                | 4.8 |
| H100K-80/H100KS-80   | 100mm round | 65                | 5.8 |
| H100K-100/H100KS-100 | 100mm round | 85                | 6.6 |

**Note:** These are the pipe flow rates at the specified outlet, **NOT** channel flow rates.

ACO Specification Information

## SlabDrain - H100K/H100KS Steel edge rail channel system



| Description                                                       | Part No. | Invert <sup>1</sup><br>(mm) | Weight<br>(kg) |
|-------------------------------------------------------------------|----------|-----------------------------|----------------|
| H100K-60 Neutral channel with galvanised steel edge rails - (1m)  | 141803   | 45                          | 7.6            |
| H100KS-60 Neutral channel with stainless steel edge rails - (1m)  | 141804   | 45                          | 7.6            |
| H100K-60/H100KS-60 End cap                                        | 141805   | 60 <sup>2</sup>             | 0.1            |
| H100K-80 Neutral channel with galvanised steel edge rails - (1m)  | 141785   | 65                          | 9.0            |
| H100KS-80 Neutral channel with stainless steel edge rails - (1m)  | 141786   | 65                          | 9.0            |
| H100K-80/H100KS-80 End cap                                        | 141793   | 80 <sup>2</sup>             | 0.5            |
| H100K-100 Neutral channel with galvanised steel edge rails - (1m) | 141787   | 85                          | 12.5           |
| H100KS-100 Neutral channel with stainless steel edge rails - (1m) | 141788   | 85                          | 12.5           |
| H100K-100/H100KS-100 End cap                                      | 141794   | 100 <sup>2</sup>            | 0.6            |
| Debris strainer for 100mm knockout                                | 93488    | -                           | 0.1            |
| Grate removal tool                                                | 01318    | -                           | 0.1            |
| QuickLok bar                                                      | 02899    | -                           | 0.1            |

**Notes:**

1. To calculate overall channel depth add 15mm to invert depth.
2. Overall depth of end caps.

**Specifications**

The surface drainage system shall be ACO's SlabDrain H100K/H100KS\* polymer concrete shallow channel system with galvanised/stainless\* steel edge rails as manufactured by ACO.

**Channels**

H100K/H100KS\* channel shall be 100mm nominal internal width with an overall width of 130mm. Channels shall have an overall depth of 60mm/80mm/100mm\* for use in areas with depth restrictions. All channels shall be interlocking with a male/female joint.

**Grates**

Insert specification for the selected grate. Refer to the relevant ACO Specification Information sheet, click: <http://www.acodrain.com.au/resources>

**Installation**

The complete drainage system shall be by ACO and to be installed for its intended purpose. Any deviation or partial use of the specified system and/or improper installation will void all warranties provided by ACO.

**Materials**

H100K/H100KS\* channels shall be manufactured from polyester resin polymer concrete with integrally cast-in galvanised/stainless\* steel edge rails.

Properties of polymer concrete will be as follows with supporting documentation:

|                                           |                           |
|-------------------------------------------|---------------------------|
| Compressive Strength:                     | 98 MPa                    |
| Flexural Strength:                        | 26 MPa                    |
| Tensile Strength:                         | 14 MPa                    |
| Water Absorption:                         | 0.07%                     |
| Frost Proof:                              | YES                       |
| Coefficient of Expansion and Contraction: | 2.02x10 <sup>-5</sup> /°C |
| Water Vapour Transmission:                | 0.0364g/m <sup>2</sup>    |
| Non Flammable:                            | YES                       |
| Roughness (Mannings):                     | n=0.011                   |
| Resistant to Weathering:                  | YES                       |
| Dilute Acid and Alkali Resistant:         | YES                       |
| SF Sealant Groove:                        | YES                       |
| *delete as appropriate                    |                           |

**ACO Limited  
New Zealand**

Ph: 0800 448 080  
[www.acodrain.co.nz](http://www.acodrain.co.nz)  
[sales@aconz.co.nz](mailto:sales@aconz.co.nz)

Start Your  
Specification  
Here



**SPEC INFO**  
**ACO**

© July, 2017 ACO Polycrete Pty Ltd. All reasonable care has been taken in compiling the information in this document. All recommendations and suggestions on the use of ACO products are made without guarantee since the conditions of use are beyond the control of the company. It is the customer's responsibility to ensure that each product is fit for its intended purpose and that the actual conditions are suitable. ACO Polycrete Pty Ltd. pursues a policy of continuous product development and reserves the right to amend specifications without notice.