



**Outlet flow rates**

Product	Outlet size (Sch. 40)	Invert Depth	GPM	CFS
H100KS-8 channel	4" round	2.56	87	0.20

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

*ACO Specification Information*

**ACO DRAIN**

**SlabDrain - H100KS-8 stainless steel edge rail channel system**



Description	Part No.	Invert Depth		Weight lbs.
		inches	mm	
<b>H100KS-8 - Polyester polymer concrete</b> H100KS-8 Neutral channel - 39.37" (1m)	95373	2.56	65	16.0
H100KS-8 Stainless steel closing cap	98471	2.56	65	1.0

**Notes:**

1. Add nominal 0.6" (15mm) to invert depth for overall channel depth
2. Preformed Sch. 40 4" dia. drill-out cast on underside of each channel
3. Use QuickLok/PowerLok grate removal tool to remove grates (Part # 01318)
4. H80KS has Grade 304 stainless steel rails

**Specifications**

**General**

The surface drainage system shall be ACO Drain SlabDrain H100KS-8 complete with gratings secured with 'QuickLok' as manufactured by ACO Polymer Products, Inc. or equal approved.

**Materials**

The trench system bodies shall be manufactured from polyester polymer concrete with minimum properties as follows:

- Compressive strength: 14,000 psi
- Flexural strength: 4,000 psi
- Water absorption 0.07%
- Frost proof
- Salt proof
- Dilute acid and alkali resistant

The nominal clear opening shall be 4.00" (100mm) with overall width of 5.10" (130mm). Pre-cast units shall be manufactured with neutral invert and have a wall thickness of at least 0.5" (13mm). Each unit will feature a male to female interconnecting end profile. Units shall have horizontal cast in anchoring features on the outside wall to ensure maximum mechanical bond to the surrounding bedding material and pavement surface. The Grade 304 stainless steel rail will be integrally cast in by the manufacturer to ensure maximum homogeneity between polymer concrete body and edge rail. Each edge rail shall be at least 1/8" (3mm) thick.

**Grates**

Grates should be specified. See separate ACO Spec Info grate sheets for details. After removal of grates and 'QuickLok' bar there shall be uninterrupted access to the trench to aid maintenance.

**Installation**

The trench drain system shall be installed in accordance with the manufacturer's installation instructions and recommendations.

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