



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



ACO Specification Information

Description	Part No.	Invert Depth		Weight lbs.
		inches	mm	
H100KS-8 - Polyester polymer concrete 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, 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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