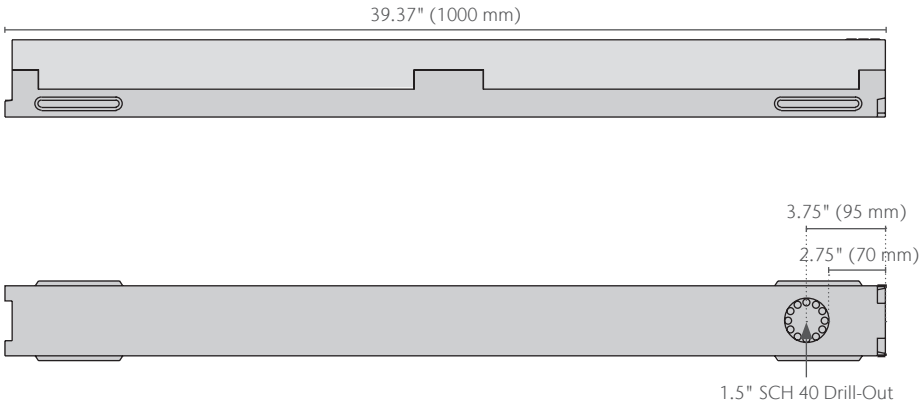
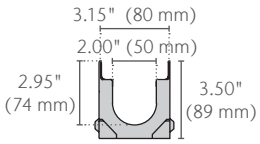
KS50 Stainless Steel Edge Rail Channel System

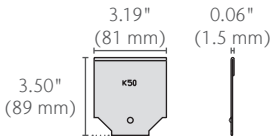
One Meter Channel



End View



Closing Cap



Outflow Rates	Outlet Size (SCH 40)	Invert Depth in (mm)	GPM	CFS
KS50 Neutral Channel	1.5" Round	2.9 (74)	12.7	0.03

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

Product Name	**Part No.**	Invert in (mm)	Weight lbs
MiniKlassik Neutral Channel Stainless Rail*	**06750**	2.9 (74)	18.0
Stainless Steel Closing Cap*	**95403**	-	0.3

Notes:
Add nominal 0.6" (15 mm) to invert depth for overall channel depth.
**Grade 304 stainless steel rails and closing gap.*

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Specification Summary

General

The surface drainage system shall be ACO Drain MiniKlassik KS50 complete with grates, as manufactured by ACO, Inc. or equal approved.

Grates

Grates should be specified. See seperate ACO Spec Info grate sheets for details. After removal of grates 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.

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: 0.7%
- Frost proof
- Salt proof
- Dilute acid and alkali resistant

The nominal clear opening shall be 2.00" (50 mm) with overall width of 3.15" (80 mm). Pre-cast units shall be manufactured with neutral invert and have a wall thickness of at least 0.50" (13 mm). Each unit will feature a full radius in the trench bottom and 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 edge 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 3/32" (2.5 mm) thick.

EN 1433 Load Class C
56,202 lbs – 1,160 psi

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