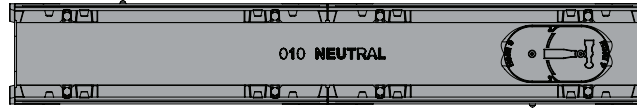


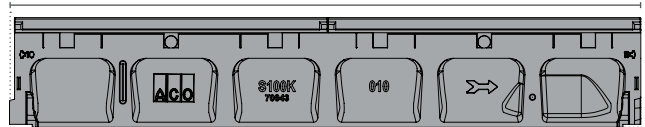
S100K Iron Edged Channels Spec Sheet



One Meter Channel

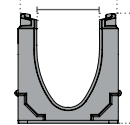


39.37" (1000mm)



4.92" (125mm)
to
12.80" (325mm)

5.98" (152mm)
3.94" (100mm)



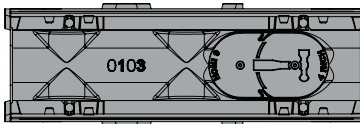
3.94" (100mm)
to
11.81" (300mm)



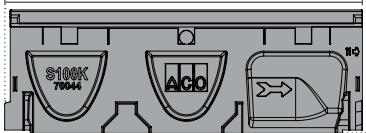
3.74" (95mm)
1.33" (34mm)

Knock-outs included on every 5th channel B A

Half Meter Channel

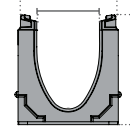


19.69" (500mm)

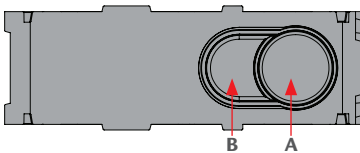


6.89" (175mm) SK1-0103
8.86" (225mm) SK1-0203
10.83" (275mm) SK1-0303
12.80" (325mm) SK1-0403

5.98" (152mm)
3.94" (100mm)

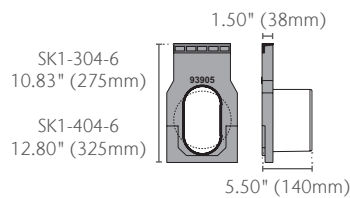


3.94" (100mm)
to
11.81" (300mm)

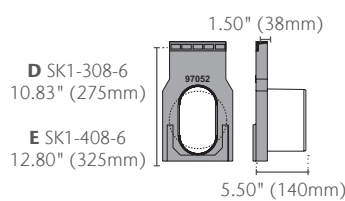


B A

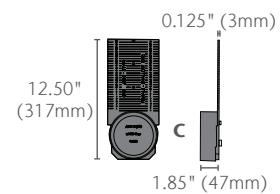
6" Oval Inlet Cap



6" Oval Outlet Cap



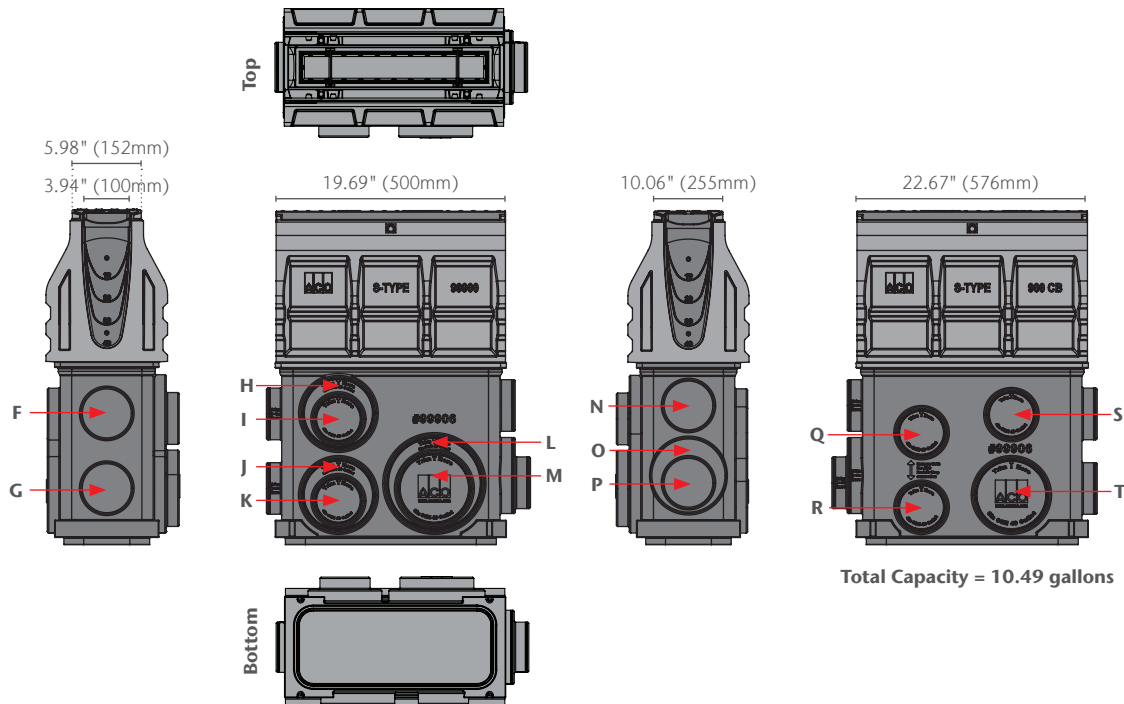
End Caps



S100K Iron Edged Channels Spec Sheet



Type 901D Inline Catch Basin



Total Capacity = 10.49 gallons

| Outlet | Product | Outlet Size (Sch. 40) | Invert Depth in (mm) | GPM | CFS |
|--------|-------------------------|-----------------------|----------------------|------|------|
| A | Bottom outlet - SK1-00 | 4" round | 3.94 (100) | 108 | 0.24 |
| A | Bottom outlet - SK1-40 | 4" round | 11.81 (300) | 187 | 0.42 |
| B | Bottom outlet - SK1-00 | 6" oval | 3.94 (100) | 177 | 0.39 |
| B | Bottom outlet - SK1-40 | 6" oval | 11.81 (300) | 306 | 0.68 |
| C | End outlet - SK1-20 | 4" round | 7.87 (200) | 132 | 0.29 |
| C | End outlet - SK1-40 | 4" round | 11.81 (300) | 171 | 0.38 |
| D | SK1-308-6 6" outlet cap | 6" oval | 9.84 (250) | 233 | 0.52 |
| E | SK1-408-6 6" outlet cap | 6" oval | 11.81 (300) | 264 | 0.59 |
| F | Type SK1-901D | 4" round | 19.87 (505) | 230 | 0.51 |
| G | Type SK1-901D | 4" round | 26.37 (670) | 268 | 0.6 |
| H | Type SK1-901D | 6" round | 20.65 (525) | 514 | 1.15 |
| I | Type SK1-901D | 4" round | 20.11 (511) | 231 | 0.51 |
| J | Type SK1-901D | 6" round | 27.79 (705) | 611 | 1.36 |
| K | Type SK1-901D | 4" round | 27.22 (691) | 272 | 0.61 |
| L | Type SK1-901D | 8" round | 27.79 (705) | 1065 | 2.37 |
| M | Type SK1-901D | 6" round | 27.22 (691) | 601 | 1.34 |
| N | Type SK1-901D | 4" round | 19.16 (487) | 226 | 0.5 |
| O | Type SK1-901D | 6" round | 26.29 (668) | 593 | 1.32 |
| P | Type SK1-901D | 4" round | 25.87 (657) | 266 | 0.59 |
| Q | Type SK1-901D | 4" round | 21.30 (541) | 239 | 0.53 |
| R | Type SK1-901D | 4" round | 27.29 (693) | 276 | 0.62 |
| S | Type SK1-901D | 4" round | 19.73 (501) | 228 | 0.51 |
| T | Type SK1-901D | 6" round | 27.79 (706) | 610 | 1.36 |

Note:

These are the pipe flow rates at the specified outlet, NOT channel flow rates.
Catch basin flow rates are without trash bucket - using trash bucket reduces flow.



S100K Iron Edged Channels Spec Sheet



| Description | Part No. | Invert in ² (mm ²) | Weight lbs. | Description | Part No. | Invert in ² (mm ²) | Weight lbs. |
|---|--------------|--|----------------|--|--------------|--|----------------|
| SK1-00 Constant depth channel - 39.37" (1m)¹ | 67041 | 3.94 (100) | 48.1 | Series 600 optional riser | 99902 | - | 10.0 |
| SK1-1 Sloped channel - 39.37" (1m) | 67001 | 4.13 (105) | 48.1 | Foul air trap - fits both 900 & 600 basins | 90854 | - | 1.2 |
| SK1-2 Sloped channel - 39.37" (1m) | 67002 | 4.33 (110) | 49.1 | SK1-304-6 6" Inlet Cap | 96861 | 9.84 (250) | 6.2 |
| SK1-3 Sloped channel - 39.37" (1m) | 67003 | 4.53 (115) | 50.1 | SK1-308-6 6" Outlet Cap | 96862 | 9.84 (250) | 6.0 |
| SK1-4 Sloped channel - 39.37" (1m) | 67004 | 4.72 (120) | 51.1 | SK1-404-6 6" Inlet Cap | 96863 | 11.81 (300) | 7.2 |
| SK1-5 Sloped channel - 39.37" (1m) ¹ | 67005 | 4.92 (125) | 52.1 | SK1-408-6 6" Outlet Cap | 96864 | 11.81 (300) | 7.0 |
| SK1-6 Sloped channel - 39.37" (1m) | 67006 | 5.12 (130) | 53.1 | SK1-Universal end cap | 96824 | 11.81 (300) | 0.4 |
| SK1-7 Sloped channel - 39.37" (1m) | 67007 | 5.31 (135) | 54.1 | Debris strainer for 4" bottom knockout | 93488 | - | 0.2 |
| SK1-8 Sloped channel - 39.37" (1m) | 67008 | 5.51 (140) | 55.1 | 4" Oval to 6" round outlet adaptor | 95140 | - | 1.1 |
| SK1-9 Sloped channel - 39.37" (1m) | 67009 | 5.71 (145) | 56.1 | 4" Installation device | 97477 | - | 2.8 |
| SK1-10 Sloped channel - 39.37" (1m) ¹ | 67010 | 5.91 (150) | 57.1 | Grate removal tool | 01318 | - | 0.3 |
| SK1-010 Constant depth channel - 39.37" (1m)¹ | 67043 | 5.91 (150) | 57.1 | SK1 Ductile Iron Slotted Grate ⁶ | 96082 | - | 12.3 |
| SK1-0103 Constant depth channel - 19.69" (0.5m) ¹ | 67044 | 5.91 (150) | 29.4 | SK1 Ductile Iron Longitudinal Grate ⁶ | 96096 | - | 13.6 |
| SK1-11 Sloped channel - 39.37" (1m) | 67011 | 6.1 (155) | 58.1 | SK1 Ductile Iron 4-Bolt Grate | 99590 | - | 10.8 |
| SK1-12 Sloped channel - 39.37" (1m) | 67012 | 6.30 (160) | 59.1 | | | | |
| SK1-13 Sloped channel - 39.37" (1m) | 67013 | 6.50 (165) | 60.1 | | | | |
| SK1-14 Sloped channel - 39.37" (1m) | 67014 | 6.69 (170) | 61.1 | | | | |
| SK1-15 Sloped channel - 39.37" (1m) ¹ | 67015 | 6.89 (175) | 62.1 | | | | |
| SK1-16 Sloped channel - 39.37" (1m) | 67016 | 7.09 (180) | 63.1 | | | | |
| SK1-17 Sloped channel - 39.37" (1m) | 67017 | 7.28 (185) | 64.1 | | | | |
| SK1-18 Sloped channel - 39.37" (1m) | 67018 | 7.48 (190) | 65.1 | | | | |
| SK1-19 Sloped channel - 39.37" (1m) | 67019 | 7.68 (195) | 66.1 | | | | |
| SK1-20 Sloped channel - 39.37" (1m) ¹ | 67020 | 7.87 (200) | 67.1 | | | | |
| SK1-020 Constant depth channel - 39.37" (1m)¹ | 67045 | 7.87 (200) | 67.1 | | | | |
| SK1-0203 Constant depth channel - 19.69" (0.5m) ¹ | 67046 | 7.87 (200) | 33.9 | | | | |
| SK1-21 Sloped channel - 39.37" (1m) | 67021 | 8.07 (205) | 68.1 | | | | |
| SK1-22 Sloped channel - 39.37" (1m) | 67022 | 8.27 (210) | 69.1 | | | | |
| SK1-23 Sloped channel - 39.37" (1m) | 67023 | 8.46 (215) | 70.0 | | | | |
| SK1-24 Sloped channel - 39.37" (1m) | 67024 | 8.66 (220) | 71.0 | | | | |
| SK1-25 Sloped channel - 39.37" (1m) ¹ | 67025 | 8.86 (225) | 72.0 | | | | |
| SK1-26 Sloped channel - 39.37" (1m) | 67026 | 9.06 (230) | 73.0 | | | | |
| SK1-27 Sloped channel - 39.37" (1m) | 67027 | 9.25 (235) | 74.0 | | | | |
| SK1-28 Sloped channel - 39.37" (1m) | 67028 | 9.45 (240) | 75.0 | | | | |
| SK1-29 Sloped channel - 39.37" (1m) | 67029 | 9.65 (245) | 76.0 | | | | |
| SK1-30 Sloped channel - 39.37" (1m) ¹ | 67030 | 9.84 (250) | 77.0 | | | | |
| SK1-030 Constant depth channel - 39.37" (1m)¹ | 67047 | 9.84 (250) | 77.0 | | | | |
| SK1-0303 Constant depth channel - 19.69" (0.5m) ¹ | 67048 | 9.84 (250) | 38.4 | | | | |
| SK1-31 Sloped channel - 39.37" (1m) | 67031 | 10.04 (255) | 78.0 | | | | |
| SK1-32 Sloped channel - 39.37" (1m) | 67032 | 10.24 (260) | 79.0 | | | | |
| SK1-33 Sloped channel - 39.37" (1m) | 67033 | 10.43 (265) | 80.0 | | | | |
| SK1-34 Sloped channel - 39.37" (1m) | 67034 | 10.63 (270) | 81.0 | | | | |
| SK1-35 Sloped channel - 39.37" (1m) ¹ | 67035 | 10.83 (275) | 82.0 | | | | |
| SK1-36 Sloped channel - 39.37" (1m) | 67036 | 11.02 (280) | 83.0 | | | | |
| SK1-37 Sloped channel - 39.37" (1m) | 67037 | 11.22 (285) | 84.0 | | | | |
| SK1-38 Sloped channel - 39.37" (1m) | 67038 | 11.42 (290) | 85.0 | | | | |
| SK1-39 Sloped channel - 39.37" (1m) | 67039 | 11.61 (295) | 86.0 | | | | |
| SK1-40 Sloped channel - 39.37" (1m) ¹ | 67040 | 11.81 (300) | 87.0 | | | | |
| SK1-040 Constant depth channel - 39.37" (1m)¹ | 67049 | 11.81 (300) | 87.0 | | | | |
| SK1-0403 Constant depth channel - 19.69" (0.5m) ¹ | 67050 | 11.81 (300) | 43.0 | | | | |
| SK1-901D In-line catch basin - 19.69" (0.5m) ³ | 67051 | 28.23 (717) | 86.0 | | | | |
| SK1-621D catch basin - 19.69" (0.5m) ³ | 67053 | 28.86 (733) | 75.7 | | | | |
| SK1-631D catch basin - 19.69" (0.5m) ⁴ | 67054 | 40.86 (1038) | 85.7 | | | | |

- This channel offers bottom knockout feature; 4" round/6" oval.
- Inverts shown are male end; for female invert depth subtract 5mm (≈0.2") from male invert (except neutral channels where it will be same as male invert). To calculate overall channel depth add 25.4mm (≈1") to invert depth.
- Catch basin assembly includes polymer concrete top, PowerLok grate, trash bucket and plastic base.
- Catch basin assembly includes polymer concrete top, PowerLok grate, deep trash bucket, plastic riser and plastic base.
- Water intake per meter channel is 50.4 in² (325.16 cm²)
- See 4" width ductile iron grate specification info for grate details.

S100K Iron Edged Channels Spec Sheet



Specification Summary

General

The surface drainage system shall be ACO Drain PowerDrain S100K as manufactured by ACO, Inc. or equal approved.
(Add appropriate grate - see grate spec information).

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 0.07%
- Frost-proof
- Salt-proof
- Dilute acid and alkali-resistant

The nominal clear opening shall be 4" (100 mm) with overall width of 6.30" (160 mm). Pre-cast units shall be manufactured with either an invert slope of 0.5% or with neutral invert and have a wall thickness of at least 0.67" (16 mm). Each unit will feature a partial radius in the trench bottom and a male to female interconnecting end profile. Units shall have horizontal cast in anchoring keys on the outside wall to ensure maximum mechanical bond to the surrounding bedding material and pavement surface. The ductile iron 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 1/4" (6 mm) thick.

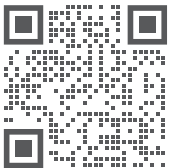


EN1433 Load Class F
202,328 lbs – 4,177 psi

ACO, Inc.

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