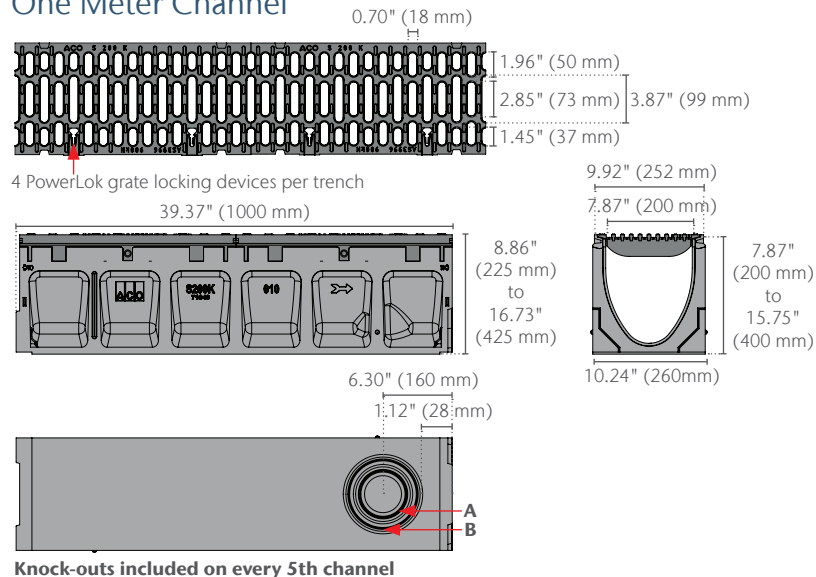


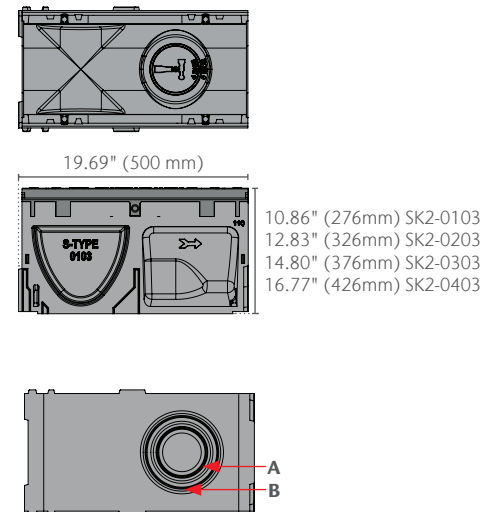
# S200K Iron Edged Channel System w/ Slotted Grate Spec Sheet



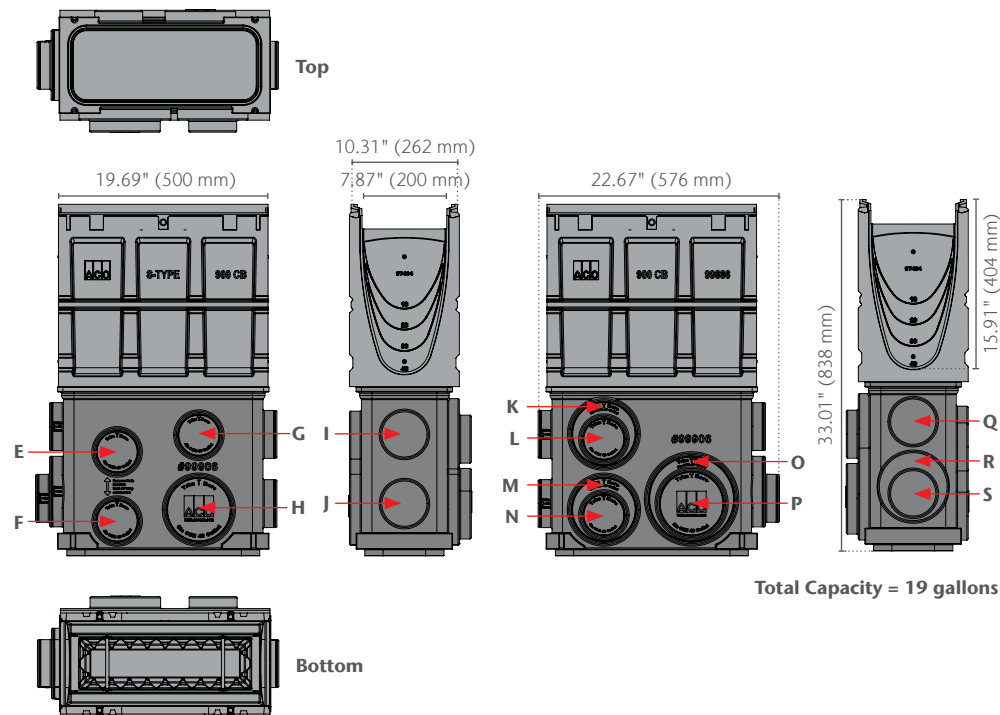
## One Meter Channel



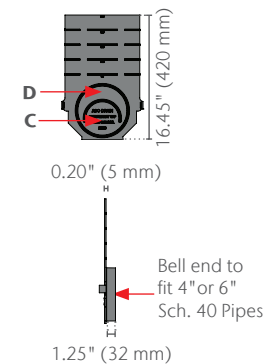
## Half Meter Channel



## Type 902D Inline Catch Basin



## End Caps



## S200K Iron Edged Channel System w/ Slotted Grate Spec Sheet



| Description                                                 | Part No.     | Invert<br>in <sup>2</sup> (mm <sup>2</sup> ) | Weight<br>lbs. |
|-------------------------------------------------------------|--------------|----------------------------------------------|----------------|
| <b>SK2-00 Neutral channel - 39.37" (1m)<sup>1</sup></b>     | <b>71041</b> | <b>7.87 (200)</b>                            | <b>141.2</b>   |
| SK2-1 Sloped channel - 39.37" (1m)                          | 71001        | 8.07 (205)                                   | 141.2          |
| SK2-2 Sloped channel - 39.37" (1m)                          | 71002        | 8.26 (210)                                   | 142.3          |
| SK2-3 Sloped channel - 39.37" (1m)                          | 71003        | 8.46 (215)                                   | 143.4          |
| SK2-4 Sloped channel - 39.37" (1m)                          | 71004        | 8.66 (220)                                   | 144.5          |
| SK2-5 Sloped channel - 39.37" (1m) <sup>1</sup>             | 71005        | 8.85 (225)                                   | 145.6          |
| SK2-6 Sloped channel - 39.37" (1m)                          | 71006        | 9.05 (230)                                   | 146.7          |
| SK2-7 Sloped channel - 39.37" (1m)                          | 71007        | 9.25 (235)                                   | 147.8          |
| SK2-8 Sloped channel - 39.37" (1m)                          | 71008        | 9.44 (240)                                   | 148.9          |
| SK2-9 Sloped channel - 39.37" (1m)                          | 71009        | 9.64 (245)                                   | 150.0          |
| SK2-10 Sloped channel - 39.37" (1m) <sup>1</sup>            | 71010        | 9.84 (250)                                   | 151.1          |
| <b>SK2-010 Neutral channel - 39.37" (1m)<sup>1</sup></b>    | <b>71043</b> | <b>9.84 (250)</b>                            | <b>151.2</b>   |
| <b>SK2-0103 Neutral channel - 19.69" (0.5m)<sup>1</sup></b> | <b>71044</b> | <b>9.84 (250)</b>                            | <b>89.2</b>    |
| SK2-11 Sloped channel - 39.37" (1m)                         | 71011        | 10.03 (255)                                  | 152.2          |
| SK2-12 Sloped channel - 39.37" (1m)                         | 71012        | 10.23 (260)                                  | 153.3          |
| SK2-13 Sloped channel - 39.37" (1m)                         | 71013        | 10.43 (265)                                  | 154.4          |
| SK2-14 Sloped channel - 39.37" (1m)                         | 71014        | 10.62 (270)                                  | 155.6          |
| SK2-15 Sloped channel - 39.37" (1m) <sup>1</sup>            | 71015        | 10.82 (275)                                  | 156.7          |
| SK2-16 Sloped channel - 39.37" (1m)                         | 71016        | 11.02 (280)                                  | 157.8          |
| SK2-17 Sloped channel - 39.37" (1m)                         | 71017        | 11.22 (285)                                  | 158.9          |
| SK2-18 Sloped channel - 39.37" (1m)                         | 71018        | 11.41 (290)                                  | 160.0          |
| SK2-19 Sloped channel - 39.37" (1m)                         | 71019        | 11.61 (295)                                  | 161.1          |
| SK2-20 Sloped channel - 39.37" (1m) <sup>1</sup>            | 71020        | 11.81 (300)                                  | 162.2          |
| <b>SK2-020 Neutral channel - 39.37" (1m)<sup>1</sup></b>    | <b>71045</b> | <b>11.81 (300)</b>                           | <b>162.2</b>   |
| <b>SK2-0203 Neutral channel - 19.69" (0.5m)<sup>1</sup></b> | <b>71046</b> | <b>11.81 (300)</b>                           | <b>96.8</b>    |
| SK2-21 Sloped channel - 39.37" (1m)                         | 71021        | 12 (305)                                     | 163.3          |
| SK2-22 Sloped channel - 39.37" (1m)                         | 71022        | 12.2 (310)                                   | 164.4          |
| SK2-23 Sloped channel - 39.37" (1m)                         | 71023        | 12.4 (315)                                   | 165.5          |
| SK2-24 Sloped channel - 39.37" (1m)                         | 71024        | 12.59 (320)                                  | 166.6          |
| SK2-25 Sloped channel - 39.37" (1m) <sup>1</sup>            | 71025        | 12.79 (325)                                  | 167.7          |
| SK2-26 Sloped channel - 39.37" (1m)                         | 71026        | 12.99 (330)                                  | 168.8          |
| SK2-27 Sloped channel - 39.37" (1m)                         | 71027        | 13.18 (335)                                  | 169.9          |
| SK2-28 Sloped channel - 39.37" (1m)                         | 71028        | 13.38 (340)                                  | 171.0          |
| SK2-29 Sloped channel - 39.37" (1m)                         | 71029        | 13.58 (345)                                  | 172.1          |
| SK2-30 Sloped channel - 39.37" (1m) <sup>1</sup>            | 71030        | 13.77 (350)                                  | 173.2          |
| <b>SK2-030 Neutral channel - 39.37" (1m)<sup>1</sup></b>    | <b>71047</b> | <b>13.77 (350)</b>                           | <b>173.2</b>   |
| <b>SK2-0303 Neutral channel - 19.69" (0.5m)<sup>1</sup></b> | <b>71048</b> | <b>13.77 (350)</b>                           | <b>101.3</b>   |
| SK2-31 Sloped channel - 39.37" (1m)                         | 71031        | 13.97 (355)                                  | 174.4          |
| SK2-32 Sloped channel - 39.37" (1m)                         | 71032        | 14.17 (360)                                  | 175.5          |
| SK2-33 Sloped channel - 39.37" (1m)                         | 71033        | 14.37 (365)                                  | 176.6          |
| SK2-34 Sloped channel - 39.37" (1m)                         | 71034        | 14.56 (370)                                  | 177.7          |
| SK2-35 Sloped channel - 39.37" (1m) <sup>1</sup>            | 71035        | 14.76 (375)                                  | 178.8          |
| SK2-36 Sloped channel - 39.37" (1m)                         | 71036        | 14.96 (380)                                  | 179.9          |
| SK2-37 Sloped channel - 39.37" (1m)                         | 71037        | 15.15 (385)                                  | 181.0          |
| SK2-38 Sloped channel - 39.37" (1m)                         | 71038        | 15.35 (390)                                  | 182.1          |
| SK2-39 Sloped channel - 39.37" (1m)                         | 71039        | 15.55 (395)                                  | 183.2          |
| SK2-40 Sloped channel - 39.37" (1m) <sup>1</sup>            | 71040        | 15.74 (400)                                  | 184.3          |
| <b>SK2-040 Neutral channel - 39.37" (1m)<sup>1</sup></b>    | <b>71049</b> | <b>15.74 (400)</b>                           | <b>184.3</b>   |
| <b>SK2-0403 Neutral channel - 19.69" (0.5m)<sup>1</sup></b> | <b>71050</b> | <b>15.74 (400)</b>                           | <b>110.1</b>   |
| SK2-902D In-line catch basin - 19.69" (0.5m) <sup>3</sup>   | 94619        | 37.36 (949)                                  | 109.8          |
| SK2-621D In-line catch basin - 19.69" (0.5m) <sup>4</sup>   | 94575        | 37.40 (950)                                  | 144.0          |
| SK2-631D catch basin - 19.69" (0.5m) <sup>4</sup>           | 94579        | 49.33 (1253)                                 | 154.0          |

| Description                                | Part No. | Invert<br>in <sup>2</sup> (mm <sup>2</sup> ) | Weight<br>lbs. |
|--------------------------------------------|----------|----------------------------------------------|----------------|
| Series 600 Optional plastic riser          | 99902    | -                                            | 10.0           |
| Foul air trap - fits both 910 & 610 basins | 90854    | -                                            | 1.2            |
| 8" channel Universal end cap               | 96823    | 19.69 (500)                                  | 1.4            |
| Debris strainer for 4" bottom knockout     | 93488    | -                                            | 0.2            |
| 8" channel Installation device             | 97478    | -                                            | 4.0            |
| Grate removal tool                         | 01318    | -                                            | 0.3            |

1. This channel offers bottom knockout feature: 6" & 8" round.
2. 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 (1.0") to invert depth.
3. Catch basin assembly includes polymer concrete top, PowerLok grate, trash bucket and plastic base.
4. Catch basin assembly includes polymer concrete top, PowerLok grate, deep trash bucket, plastic riser and plastic base.
5. Water intake per meter channel is 140.2 in<sup>2</sup> (904.51 cm<sup>2</sup>)

## Outlet Flow Rates

| Outlet | Product                 | Outlet size<br>(Sch. 40) | Invert Depth<br>in (mm) | GPM  | CFS  |
|--------|-------------------------|--------------------------|-------------------------|------|------|
| A      | Bottom outlet - SK2-00  | 4" round                 | 7.87 (200)              | 153  | 0.34 |
| A      | Bottom outlet - SK2-040 | 4" round                 | 15.75 (400)             | 216  | 0.48 |
| B      | Bottom outlet - SK2-00  | 6" round                 | 7.87 (200)              | 344  | 0.77 |
| B      | Bottom outlet - SK2-040 | 6" round                 | 15.75 (400)             | 486  | 1.08 |
| C      | End outlet - SK2-00     | 4" round                 | 7.87 (200)              | 132  | 0.29 |
| C      | End outlet - SK2-40     | 4" round                 | 15.75 (200)             | 202  | 0.45 |
| D      | End outlet - SK2-10     | 6" round                 | 9.84 (250)              | 320  | 0.71 |
| D      | End outlet - SK2-40     | 6" round                 | 15.75 (400)             | 437  | 0.97 |
| E      | Type SK2-902D           | 4" round                 | 25.33 (643)             | 263  | 0.59 |
| F      | Type SK2-902D           | 4" round                 | 31.83 (808)             | 297  | 0.66 |
| G      | Type SK2-902D           | 4" round                 | 23.76 (604)             | 254  | 0.57 |
| H      | Type SK2-902D           | 6" round                 | 31.83 (808)             | 658  | 1.47 |
| I      | Type SK2-902D           | 4" round                 | 23.91 (607)             | 255  | 0.57 |
| J      | Type SK2-902D           | 4" round                 | 30.40 (772)             | 290  | 0.65 |
| K      | Type SK2-902D           | 6" round                 | 24.68 (627)             | 570  | 1.27 |
| L      | Type SK2-902D           | 4" round                 | 24.13 (613)             | 256  | 0.57 |
| M      | Type SK2-902D           | 6" round                 | 31.82 (808)             | 658  | 1.47 |
| N      | Type SK2-902D           | 4" round                 | 31.26 (794)             | 294  | 0.66 |
| O      | Type SK2-902D           | 8" round                 | 31.82 (808)             | 1149 | 2.56 |
| P      | Type SK2-902D           | 6" round                 | 31.26 (794)             | 651  | 1.45 |
| Q      | Type SK2-902D           | 4" round                 | 23.19 (589)             | 251  | 0.56 |
| R      | Type SK2-902D           | 6" round                 | 30.23 (768)             | 640  | 1.43 |
| S      | Type SK2-902D           | 4" round                 | 29.90 (759)             | 288  | 0.64 |

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.

## S200K Iron Edged Channel System w/ Slotted Grate Spec Sheet



## Specification Summary

## General

The surface drainage system shall be ACO Drain PowerDrain S200K complete with slotted gratings secured with PowerLok locking as manufactured by ACO, Inc. or equal approved.

## Grates

Grates come in longitudinal ductile iron. Ductile iron to ASTM 536-84 - Grade 65-45-12. 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 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 8" (200 mm) with overall width of 10.24" (260 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



Australian Standard AS 3996 - 2006 Clause 3.3.6:  
max slot length dependent on slot width for grates  
that are deemed Bicycle Tire Penetration Resistant.

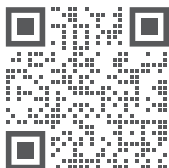


EN1433 Load Class F  
202,328 lbs – 4,177 psi

## ACO, Inc.

© January 2026 ACO, Inc.

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 of use are suitable. ACO, Inc. reserves the right to change products and specifications without notice.



info@acousa.com  
www.acousa.com

