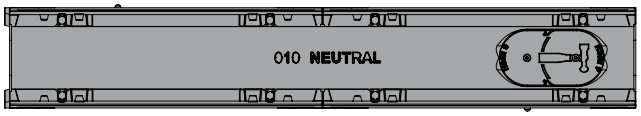
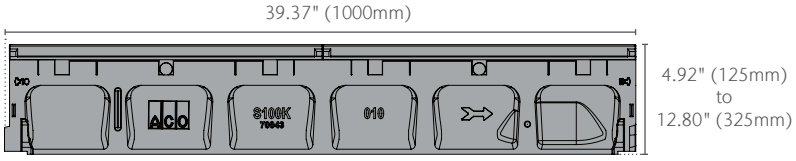
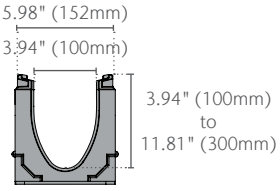
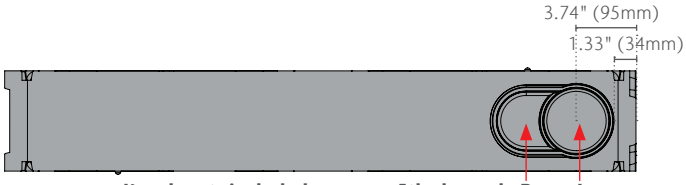
S100K Iron Edged Channels Spec Sheet

One Meter Channel



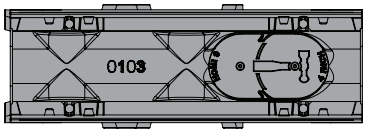


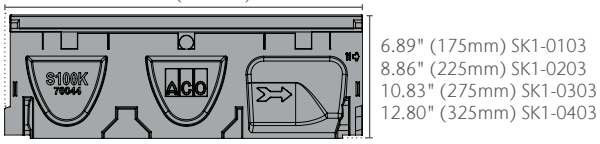


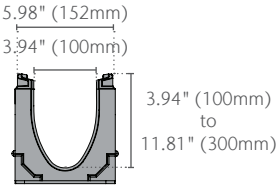


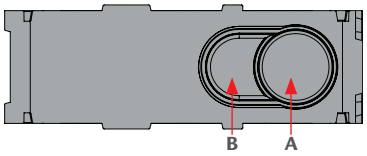
Knock-outs included on every 5th channel

Half Meter Channel

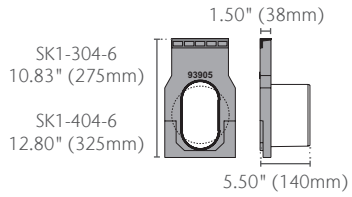




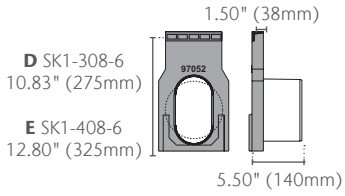




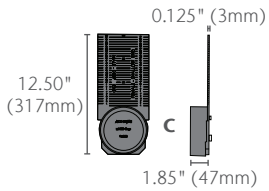
6" Oval Inlet Cap



6" Oval Outlet Cap

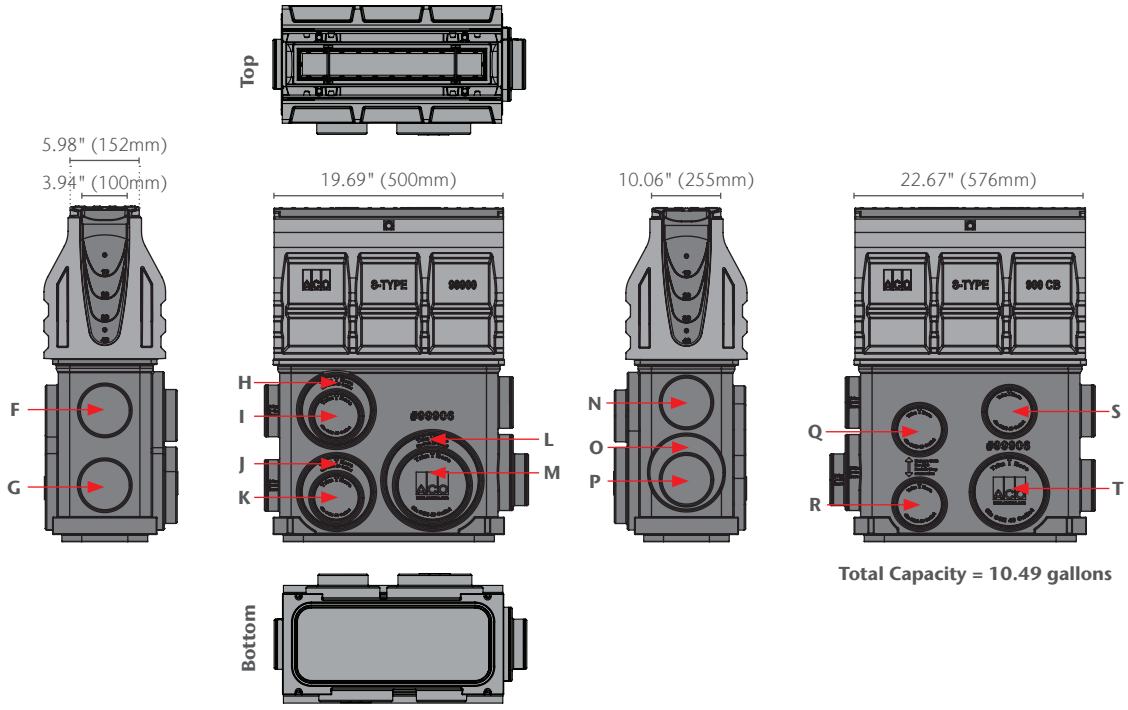


End Caps



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[2] in (mm)	Weight lbs.
SK1-00 Constant depth channel - 39.37" (1m)[1]	**67041**	**3.94 (100)**	**48.1**
SK1-1 Sloped channel - 39.37" (1m)	**67001**	4.13 (105)	48.1
SK1-2 Sloped channel - 39.37" (1m)	**67002**	4.33 (110)	49.1
SK1-3 Sloped channel - 39.37" (1m)	**67003**	4.53 (115)	50.1
SK1-4 Sloped channel - 39.37" (1m)	**67004**	4.72 (120)	51.1
SK1-5 Sloped channel - 39.37" (1m)[1]	**67005**	4.92 (125)	52.1
SK1-6 Sloped channel - 39.37" (1m)	**67006**	5.12 (130)	53.1
SK1-7 Sloped channel - 39.37" (1m)	**67007**	5.31 (135)	54.1
SK1-8 Sloped channel - 39.37" (1m)	**67008**	5.51 (140)	55.1
SK1-9 Sloped channel - 39.37" (1m)	**67009**	5.71 (145)	56.1
SK1-10 Sloped channel - 39.37" (1m)[1]	**67010**	5.91 (150)	57.1
SK1-010 Constant depth channel - 39.37" (1m)[1]	**67043**	**5.91 (150)**	**57.1**
SK1-0103 Constant depth channel - 19.69" (0.5m)[1]	**67044**	5.91 (150)	29.4
SK1-11 Sloped channel - 39.37" (1m)	**67011**	6.1 (155)	58.1
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 Contant 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

Description	Part No.	Invert[2] in (mm)	Weight lbs.
Series 600 optional riser	**99902**	-	10.0
Foul air trap - fits both 900 & 600 basins	**90854**	-	1.2
SK1-304-6 6" Inlet Cap	**96861**	9.84 (250)	6.2
SK1-308-6 6" Outlet Cap	**96862**	9.84 (250)	6.0
SK1-404-6 6" Inlet Cap	**96863**	11.81 (300)	7.2
SK1-408-6 6" Outlet Cap	**96864**	11.81 (300)	7.0
SK1-Universal end cap	**96824**	11.81 (300)	0.4
Debris strainer for 4" bottom knockout	**93488**	-	0.2
4" Oval to 6" round outlet adaptor	**95140**	-	1.1
4" Installation device	**97477**	-	2.8
Grate removal tool	**01318**	-	0.3
SK1 Ductile Iron Slotted Grate[5]	**96082**	-	12.3
SK1 Ductile Iron Longitudinal Grate[5]	**96096**	-	13.6
SK1 Ductile Iron 4-Bolt Grate	**99590**	-	10.8

1. *This channel offers bottom knockout feature; 4" round/6" oval.*
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") 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. *See 4" width ductile iron grate specification info for grate details.*

Note: Water intake per meter channel is 50.4 in² (325.16 cm²)

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.

© July 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