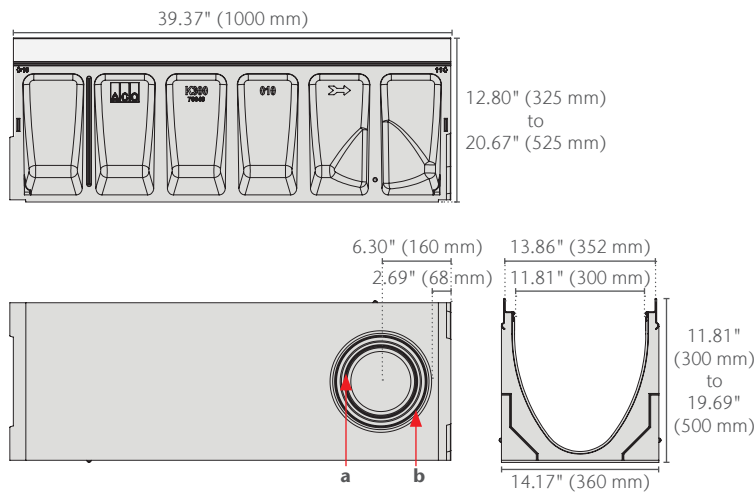


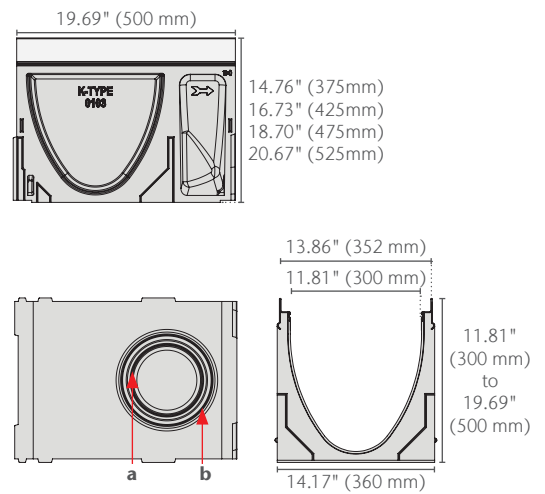
# KS300 Stainless Steel Edge Rail Channel System



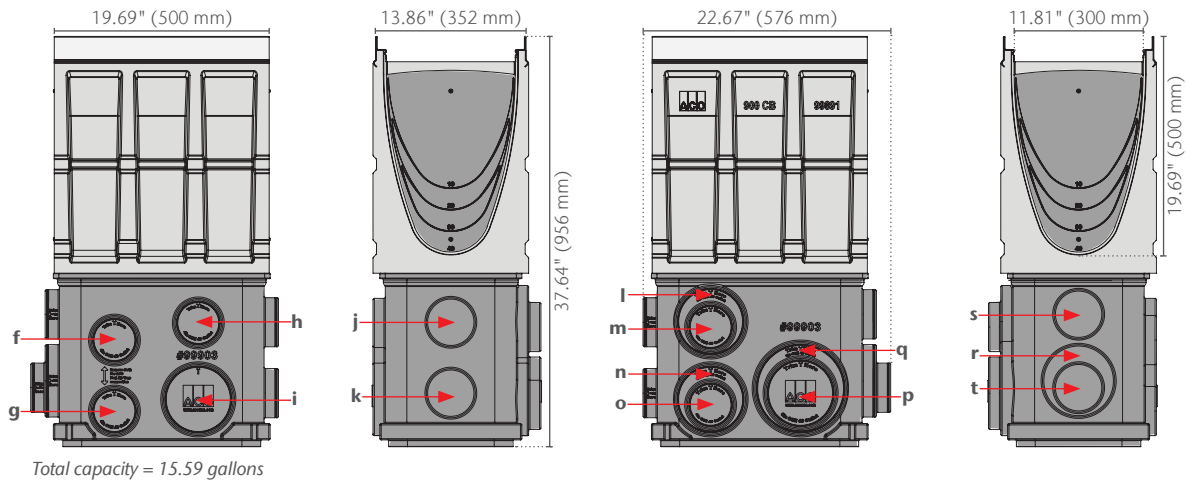
## One Meter Channel



## Half Meter Channel



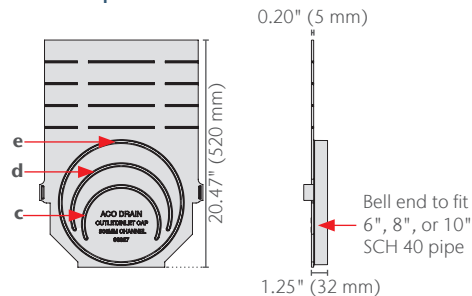
## Type 903G In-line Catch Basin



## Type 904G In-line Catch Basin

- Notes:
1. Riser can be cut down in 1" (25 mm) increments.
  2. Maximum capacity including riser 27.82 gallons.
  3. Add 12" (300 mm) to all heights if using riser.
  4. Outlet flow rates will be higher due to increased depth - contact ACO Sales Office for more details.

## End Cap



# KS300 Stainless Steel Edge Rail Channel System

Description	Part No.	Invert <sup>2</sup> in (mm)	Weight lbs
K3-00 Neutral channel - 39.37" (1m) <sup>1</sup>	<b>76441</b>	11.81 (300)	132.6
K3-1 Sloped channel - 39.37" (1m)	<b>76401</b>	12.01 (305)	132.6
K3-2 Sloped channel - 39.37" (1m)	<b>76402</b>	12.2 (310)	133.8
K3-3 Sloped channel - 39.37" (1m)	<b>76403</b>	12.4 (315)	135
K3-4 Sloped channel - 39.37" (1m)	<b>76404</b>	12.6 (320)	136.2
K3-5 Sloped channel - 39.37" (1m) <sup>1</sup>	<b>76405</b>	12.8 (325)	137.4
K3-6 Sloped channel - 39.37" (1m)	<b>76406</b>	12.99 (330)	138.6
K3-7 Sloped channel - 39.37" (1m)	<b>76407</b>	13.19 (335)	139.8
K3-8 Sloped channel - 39.37" (1m)	<b>76408</b>	13.39 (340)	141
K3-9 Sloped channel - 39.37" (1m)	<b>76409</b>	13.58 (345)	142.2
K3-10 Sloped channel - 39.37" (1m) <sup>1</sup>	<b>76410</b>	13.78 (350)	143.4
K3-010 Neutral channel - 39.37" (1m) <sup>1</sup>	<b>76443</b>	13.78 (350)	143.4
K3-0103 Neutral channel - 19.69" (0.5m) <sup>1</sup>	<b>76444</b>	13.78 (350)	75.3
K3-11 Sloped channel - 39.37" (1m)	<b>76411</b>	13.98 (355)	144.6
K3-12 Sloped channel - 39.37" (1m)	<b>76412</b>	14.17 (360)	145.8
K3-13 Sloped channel - 39.37" (1m)	<b>76413</b>	14.37 (365)	147
K3-14 Sloped channel - 39.37" (1m)	<b>76414</b>	14.57 (370)	148.2
K3-15 Sloped channel - 39.37" (1m) <sup>1</sup>	<b>76415</b>	14.76 (375)	149.4
K3-16 Sloped channel - 39.37" (1m)	<b>76416</b>	14.96 (380)	150.6
K3-17 Sloped channel - 39.37" (1m)	<b>76417</b>	15.16 (385)	151.8
K3-18 Sloped channel - 39.37" (1m)	<b>76418</b>	15.35 (390)	153
K3-19 Sloped channel - 39.37" (1m)	<b>76419</b>	15.55 (395)	154.2
K3-20 Sloped channel - 39.37" (1m) <sup>1</sup>	<b>76420</b>	15.75 (400)	155.4
K3-020 Neutral channel - 39.37" (1m) <sup>1</sup>	<b>76445</b>	15.75 (400)	155.4
K3-0203 Neutral channel - 19.69" (0.5m) <sup>1</sup>	<b>76446</b>	15.75 (400)	82.3
K3-21 Sloped channel - 39.37" (1m)	<b>76421</b>	15.94 (405)	156.7
K3-22 Sloped channel - 39.37" (1m)	<b>76422</b>	16.14 (410)	157.9
K3-23 Sloped channel - 39.37" (1m)	<b>76423</b>	16.34 (415)	159.1
K3-24 Sloped channel - 39.37" (1m)	<b>76424</b>	16.54 (420)	160.3
K3-25 Sloped channel - 39.37" (1m) <sup>1</sup>	<b>76425</b>	16.73 (425)	161.5
K3-26 Sloped channel - 39.37" (1m)	<b>76426</b>	16.93 (430)	162.7
K3-27 Sloped channel - 39.37" (1m)	<b>76427</b>	17.13 (435)	163.9
K3-28 Sloped channel - 39.37" (1m)	<b>76428</b>	17.32 (440)	165.1
K3-29 Sloped channel - 39.37" (1m)	<b>76429</b>	17.52 (445)	166.3
K3-30 Sloped channel - 39.37" (1m)	<b>76430</b>	17.72 (450)	167.5
K3-030 Neutral channel - 39.37" (1m) <sup>1</sup>	<b>76447</b>	17.72 (450)	167.5
K3-0303 Neutral channel - 19.69" (0.5m) <sup>1</sup>	<b>76448</b>	17.72 (450)	89.5
K3-31 Sloped channel - 39.37" (1m)	<b>76431</b>	17.91 (455)	168.7
K3-32 Sloped channel - 39.37" (1m)	<b>76432</b>	18.11 (460)	169.9
K3-33 Sloped channel - 39.37" (1m)	<b>76433</b>	18.31 (465)	171.1
K3-34 Sloped channel - 39.37" (1m)	<b>76434</b>	18.50 (470)	172.3
K3-35 Sloped channel - 39.37" (1m) <sup>1</sup>	<b>76435</b>	18.70 (475)	173.5
K3-36 Sloped channel - 39.37" (1m)	<b>76436</b>	18.90 (480)	174.7
K3-37 Sloped channel - 39.37" (1m)	<b>76437</b>	19.09 (485)	175.9
K3-38 Sloped channel - 39.37" (1m)	<b>76438</b>	19.29 (490)	177.1
K3-39 Sloped channel - 39.37" (1m)	<b>76439</b>	19.49 (495)	178.3
K3-40 Sloped channel - 39.37" (1m) <sup>1</sup>	<b>76440</b>	19.69 (500)	179.5
K3-040 Neutral channel - 39.37" (1m) <sup>1</sup>	<b>76449</b>	19.69 (500)	179.5
K3-0403 Neutral channel - 19.69" (0.5m) <sup>1</sup>	<b>76450</b>	19.69 (500)	97.7
K3-903G In-line catch basin - 19.69" (0.5m) <sup>3</sup>	<b>94615</b>	37.40 (950)	88
K3-904G In-line catch basin - 19.69" (0.5) <sup>3</sup>	<b>94636</b>	37.40 (950)	98

Description	Part No.	Invert <sup>2</sup> in (mm)	Weight lbs
K3-Series 600 Optional plastic riser	<b>99902</b>	-	10
Foul air trap - fits both 900 & 600 series basins	<b>90854</b>	-	1.2
Universal end cap	<b>96826</b>	15.71 (399)	2.5
K3-Installation device	<b>97479</b>	-	4.9
Grate removal tool	<b>01318</b>	-	0.3
K3-QuickLok® locking bar	<b>10458</b>	-	0.7

1. This channel offers a bottom knockout feature; 6" & 8" round
2. Inverts shown are for the male end; for female invert depth subtract 5mm (=0.2") from the male invert (except for neutral channels, where it will be same as male invert). To calculate the overall channel depth add 20mm (=0.8") to invert depth.
3. This catch basin kit includes a polymer concrete top, removable Quicklok locking bar, trash bucket and plastic base. Select an appropriate grate.
4. This catch basin kit includes a polymer concrete top, removable Quicklok locking bar, deep trash bucket, plastic riser and plastic base. Select an appropriate grate.

Outlet	Product	Outlet size (SCH 40)	Invert Depth	GPM	CFS
<b>a</b>	Bottom outlet - KS3-00	6" round	11.81"	421	0.94
<b>b</b>	Bottom outlet - KS3-040	6" round	19.69"	544	1.21
<b>a</b>	Bottom outlet - KS3-00	8" round	11.81"	748	1.67
<b>b</b>	Bottom outlet - KS3-040	8" round	19.69"	966	2.15
<b>c</b>	End outlet - KS3-00	6" round	11.81"	364	0.81
<b>c</b>	End outlet - KS3-40	6" round	19.69"	500	1.11
<b>d</b>	End outlet - KS3-10	8" round	13.78"	681	1.52
<b>d</b>	End outlet - KS3-40	8" round	19.69"	863	1.92
<b>e</b>	End outlet - KS3-20	10" round	15.75"	1116	2.49
<b>e</b>	End outlet - KS3-40	10" round	19.69"	1304	2.91
<b>f</b>	Type KS3-903S	4" round	29.80"	287	0.64
<b>g</b>	Type KS3-903S	4" round	36.29"	319	0.71
<b>h</b>	Type KS3-903S	4" round	28.22"	279	0.62
<b>i</b>	Type KS3-903S	6" round	36.29"	707	1.57
<b>j</b>	Type KS3-903S	4" round	28.37"	280	0.62
<b>k</b>	Type KS3-903S	4" round	34.87"	312	0.7
<b>l</b>	Type KS3-903S	6" round	29.15"	626	1.4
<b>m</b>	Type KS3-903S	4" round	28.59"	281	0.63
<b>n</b>	Type KS3-903S	6" round	36.28"	707	1.57
<b>o</b>	Type KS3-903S	4" round	35.72"	316	0.7
<b>p</b>	Type KS3-903S	6" round	35.72"	701	1.56
<b>q</b>	Type KS3-903S	8" round	36.28"	1237	2.76
<b>r</b>	Type KS3-903S	6" round	34.78"	690	1.54
<b>s</b>	Type KS3-903S	4" round	27.65"	276	0.61
<b>t</b>	Type KS3-903S	4" round	34.36"	310	0.69

Notes:  
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.



# KS300 Stainless Steel Edge Rail Channel System



## Specification Summary

### General

The surface drainage system shall be ACO Drain KS300 complete with gratings secured with QuickLok locking as manufactured by ACO, Inc. or approved equal.

### Grates

Grates shall 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.

### Materials

The trench system bodies shall be manufactured from polyester polymer concrete with the 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

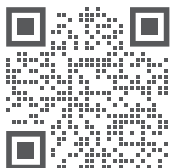
The nominal clear opening shall be 12" (300 mm) with overall width of 14.17" (360 mm). Pre-cast units shall be manufactured with either an invert slope of 0.5% or with neutral invert and have a wall thickness of at least 0.50" (13 mm). Each unit will feature a partial radius in the trench bottom and 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 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" (4 mm) thick.

 EN1433 Load Class E  
134,885 lbs – 2,785 psi

## ACO, Inc.

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info@acousa.com  
www.acousa.com

