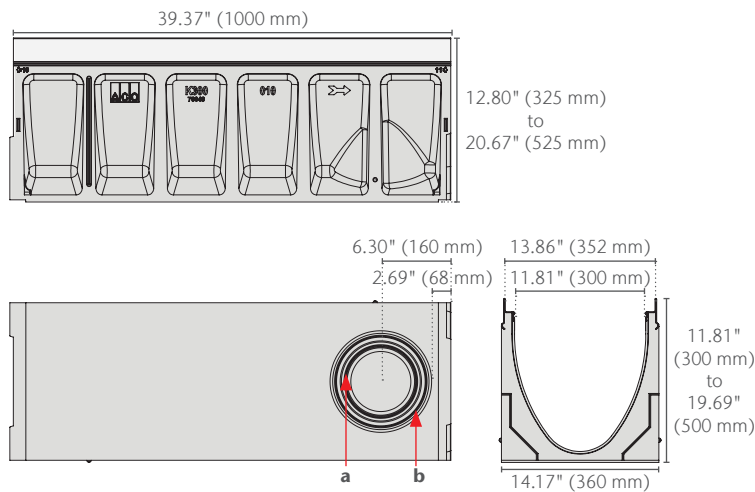


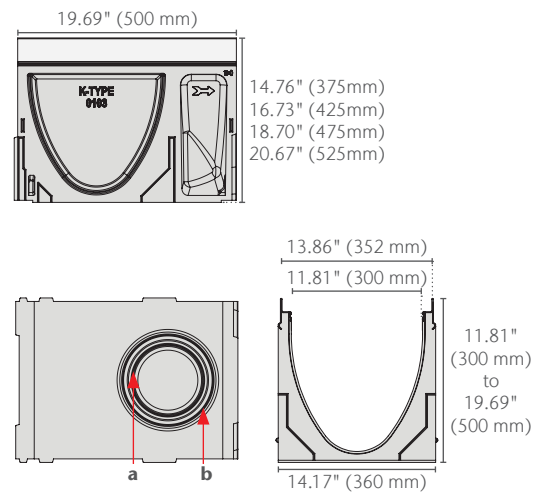
KS300 Stainless Steel Edge Rail Channel System



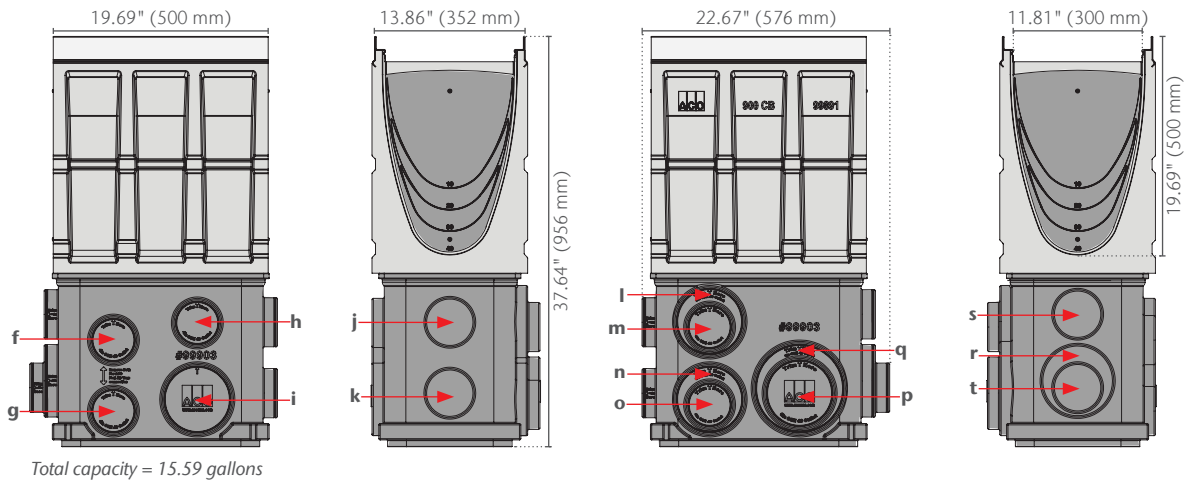
One Meter Channel



Half Meter Channel



Type 903G In-line Catch Basin

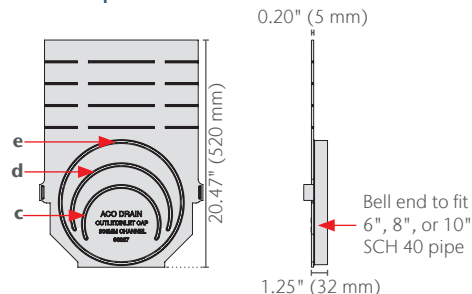


Type 904G In-line Catch Basin

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 ² in (mm)	Weight lbs
K3-00 Neutral channel - 39.37" (1m) ¹	76441	11.81 (300)	132.6
K3-1 Sloped channel - 39.37" (1m)	76401	12.01 (305)	132.6
K3-2 Sloped channel - 39.37" (1m)	76402	12.2 (310)	133.8
K3-3 Sloped channel - 39.37" (1m)	76403	12.4 (315)	135
K3-4 Sloped channel - 39.37" (1m)	76404	12.6 (320)	136.2
K3-5 Sloped channel - 39.37" (1m) ¹	76405	12.8 (325)	137.4
K3-6 Sloped channel - 39.37" (1m)	76406	12.99 (330)	138.6
K3-7 Sloped channel - 39.37" (1m)	76407	13.19 (335)	139.8
K3-8 Sloped channel - 39.37" (1m)	76408	13.39 (340)	141
K3-9 Sloped channel - 39.37" (1m)	76409	13.58 (345)	142.2
K3-10 Sloped channel - 39.37" (1m) ¹	76410	13.78 (350)	143.4
K3-010 Neutral channel - 39.37" (1m) ¹	76443	13.78 (350)	143.4
K3-0103 Neutral channel - 19.69" (0.5m) ¹	76444	13.78 (350)	75.3
K3-11 Sloped channel - 39.37" (1m)	76411	13.98 (355)	144.6
K3-12 Sloped channel - 39.37" (1m)	76412	14.17 (360)	145.8
K3-13 Sloped channel - 39.37" (1m)	76413	14.37 (365)	147
K3-14 Sloped channel - 39.37" (1m)	76414	14.57 (370)	148.2
K3-15 Sloped channel - 39.37" (1m) ¹	76415	14.76 (375)	149.4
K3-16 Sloped channel - 39.37" (1m)	76416	14.96 (380)	150.6
K3-17 Sloped channel - 39.37" (1m)	76417	15.16 (385)	151.8
K3-18 Sloped channel - 39.37" (1m)	76418	15.35 (390)	153
K3-19 Sloped channel - 39.37" (1m)	76419	15.55 (395)	154.2
K3-20 Sloped channel - 39.37" (1m) ¹	76420	15.75 (400)	155.4
K3-020 Neutral channel - 39.37" (1m) ¹	76445	15.75 (400)	155.4
K3-0203 Neutral channel - 19.69" (0.5m) ¹	76446	15.75 (400)	82.3
K3-21 Sloped channel - 39.37" (1m)	76421	15.94 (405)	156.7
K3-22 Sloped channel - 39.37" (1m)	76422	16.14 (410)	157.9
K3-23 Sloped channel - 39.37" (1m)	76423	16.34 (415)	159.1
K3-24 Sloped channel - 39.37" (1m)	76424	16.54 (420)	160.3
K3-25 Sloped channel - 39.37" (1m) ¹	76425	16.73 (425)	161.5
K3-26 Sloped channel - 39.37" (1m)	76426	16.93 (430)	162.7
K3-27 Sloped channel - 39.37" (1m)	76427	17.13 (435)	163.9
K3-28 Sloped channel - 39.37" (1m)	76428	17.32 (440)	165.1
K3-29 Sloped channel - 39.37" (1m)	76429	17.52 (445)	166.3
K3-30 Sloped channel - 39.37" (1m)	76430	17.72 (450)	167.5
K3-030 Neutral channel - 39.37" (1m) ¹	76447	17.72 (450)	167.5
K3-0303 Neutral channel - 19.69" (0.5m) ¹	76448	17.72 (450)	89.5
K3-31 Sloped channel - 39.37" (1m)	76431	17.91 (455)	168.7
K3-32 Sloped channel - 39.37" (1m)	76432	18.11 (460)	169.9
K3-33 Sloped channel - 39.37" (1m)	76433	18.31 (465)	171.1
K3-34 Sloped channel - 39.37" (1m)	76434	18.50 (470)	172.3
K3-35 Sloped channel - 39.37" (1m) ¹	76435	18.70 (475)	173.5
K3-36 Sloped channel - 39.37" (1m)	76436	18.90 (480)	174.7
K3-37 Sloped channel - 39.37" (1m)	76437	19.09 (485)	175.9
K3-38 Sloped channel - 39.37" (1m)	76438	19.29 (490)	177.1
K3-39 Sloped channel - 39.37" (1m)	76439	19.49 (495)	178.3
K3-40 Sloped channel - 39.37" (1m) ¹	76440	19.69 (500)	179.5
K3-040 Neutral channel - 39.37" (1m) ¹	76449	19.69 (500)	179.5
K3-0403 Neutral channel - 19.69" (0.5m) ¹	76450	19.69 (500)	97.7
K3-903G In-line catch basin - 19.69" (0.5m) ³	94615	37.40 (950)	88
K3-904G In-line catch basin - 19.69" (0.5) ³	94636	37.40 (950)	98

Description	Part No.	Invert ² in (mm)	Weight lbs
K3-Series 600 Optional plastic riser	99902	-	10
Foul air trap - fits both 900 & 600 series basins	90854	-	1.2
Universal end cap	96826	15.71 (399)	2.5
K3-Installation device	97479	-	4.9
Grate removal tool	01318	-	0.3
K3-QuickLok® locking bar	10458	-	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
a	Bottom outlet - KS3-00	6" round	11.81"	421	0.94
a	Bottom outlet - KS3-040	6" round	19.69"	544	1.21
b	Bottom outlet - KS3-00	8" round	11.81"	748	1.67
b	Bottom outlet - KS3-040	8" round	19.69"	966	2.15
c	End outlet - KS3-00	6" round	11.81"	364	0.81
c	End outlet - KS3-40	6" round	19.69"	500	1.11
d	End outlet - KS3-10	8" round	13.78"	681	1.52
d	End outlet - KS3-40	8" round	19.69"	863	1.92
e	End outlet - KS3-20	10" round	15.75"	1116	2.49
e	End outlet - KS3-40	10" round	19.69"	1304	2.91
f	Type KS3-903S	4" round	29.80"	287	0.64
g	Type KS3-903S	4" round	36.29"	319	0.71
h	Type KS3-903S	4" round	28.22"	279	0.62
i	Type KS3-903S	6" round	36.29"	707	1.57
j	Type KS3-903S	4" round	28.37"	280	0.62
k	Type KS3-903S	4" round	34.87"	312	0.7
l	Type KS3-903S	6" round	29.15"	626	1.4
m	Type KS3-903S	4" round	28.59"	281	0.63
n	Type KS3-903S	6" round	36.28"	707	1.57
o	Type KS3-903S	4" round	35.72"	316	0.7
p	Type KS3-903S	6" round	35.72"	701	1.56
q	Type KS3-903S	8" round	36.28"	1237	2.76
r	Type KS3-903S	6" round	34.78"	690	1.54
s	Type KS3-903S	4" round	27.65"	276	0.61
t	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.

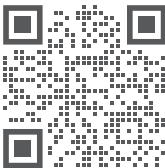


EN1433 Load Class E
134,885 lbs – 2,785 psi

ACO, Inc.

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