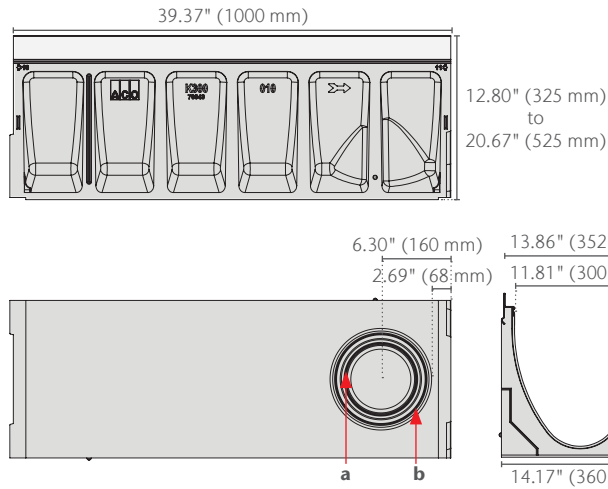


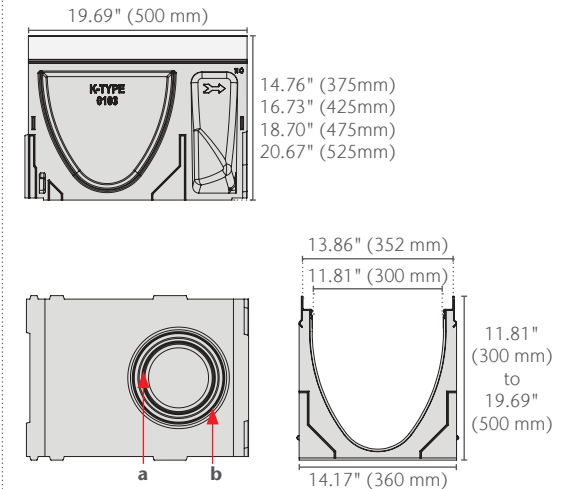
K300 Galvanized Steel Edge Rail Channel System



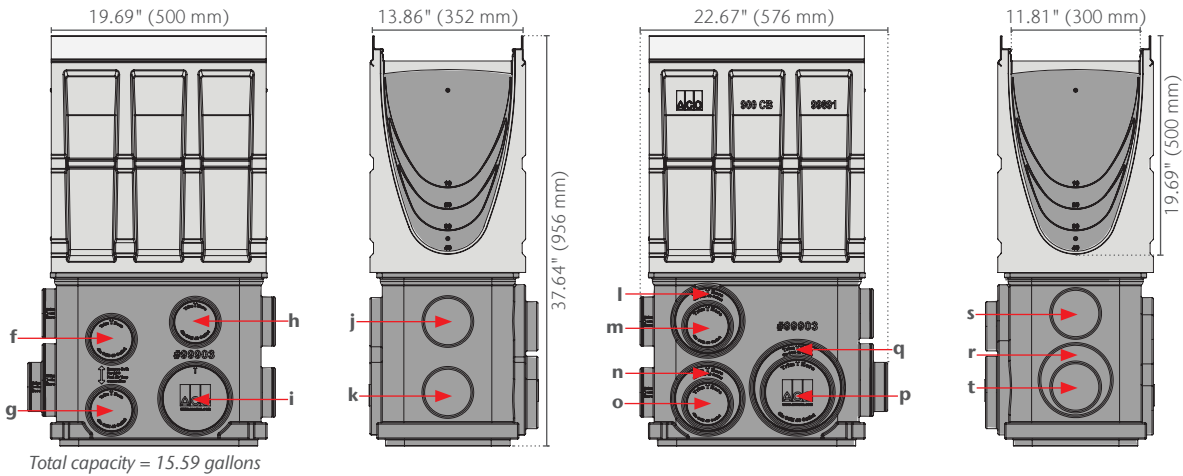
One Meter Channel



Half Meter Channel



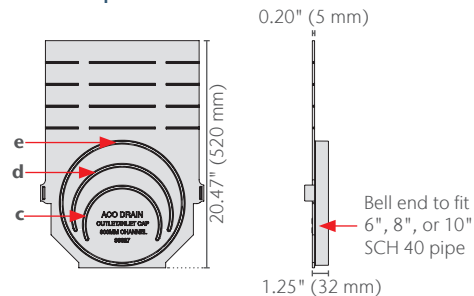
Type K903G In-line Catch Basin



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



K300 Galvanized Steel Edge Rail Channel System

Description	Part No.	Invert ² in(mm)	Weight lbs
K3-00 Neutral channel - 39.37" (1m) ¹	76041	11.81 (300)	132.6
K3-1 Sloped channel - 39.37" (1m)	76001	12.01 (305)	132.6
K3-2 Sloped channel - 39.37" (1m)	76002	12.2 (310)	133.8
K3-3 Sloped channel - 39.37" (1m)	76003	12.4 (315)	135
K3-4 Sloped channel - 39.37" (1m)	76004	12.6 (320)	136.2
K3-5 Sloped channel - 39.37" (1m) ¹	76005	12.8 (325)	137.4
K3-6 Sloped channel - 39.37" (1m)	76006	12.99 (330)	138.6
K3-7 Sloped channel - 39.37" (1m)	76007	13.19 (335)	139.8
K3-8 Sloped channel - 39.37" (1m)	76008	13.39 (340)	141
K3-9 Sloped channel - 39.37" (1m)	76009	13.58 (345)	142.2
K3-10 Sloped channel - 39.37" (1m) ¹	76010	13.78 (350)	143.4
K3-010 Neutral channel - 39.37" (1m) ¹	76043	13.78 (350)	143.4
K3-0103 Neutral channel - 19.69" (0.5m) ¹	76044	13.78 (350)	75.3
K3-11 Sloped channel - 39.37" (1m)	76011	13.98 (355)	144.6
K3-12 Sloped channel - 39.37" (1m)	76012	14.17 (360)	145.8
K3-13 Sloped channel - 39.37" (1m)	76013	14.37 (365)	147
K3-14 Sloped channel - 39.37" (1m)	76014	14.57 (370)	148.2
K3-15 Sloped channel - 39.37" (1m) ¹	76015	14.76 (375)	149.4
K3-16 Sloped channel - 39.37" (1m)	76016	14.96 (380)	150.6
K3-17 Sloped channel - 39.37" (1m)	76017	15.16 (385)	151.8
K3-18 Sloped channel - 39.37" (1m)	76018	15.35 (390)	153
K3-19 Sloped channel - 39.37" (1m)	76019	15.55 (395)	154.2
K3-20 Sloped channel - 39.37" (1m) ¹	76020	15.75 (400)	155.4
K3-020 Neutral channel - 39.37" (1m) ¹	76045	15.75 (400)	155.4
K3-0203 Neutral channel - 19.69" (0.5m) ¹	76046	15.75 (400)	82.3
K3-21 Sloped channel - 39.37" (1m)	76021	15.94 (405)	156.6
K3-22 Sloped channel - 39.37" (1m)	76022	16.14 (410)	157.9
K3-23 Sloped channel - 39.37" (1m)	76023	16.34 (415)	159.1
K3-24 Sloped channel - 39.37" (1m)	76024	16.54 (420)	160.3
K3-25 Sloped channel - 39.37" (1m) ¹	76025	16.73 (425)	161.5
K3-26 Sloped channel - 39.37" (1m)	76026	16.93 (430)	162.7
K3-27 Sloped channel - 39.37" (1m)	76027	17.13 (435)	163.9
K3-28 Sloped channel - 39.37" (1m)	76028	17.32 (440)	165.1
K3-29 Sloped channel - 39.37" (1m)	76029	17.52 (445)	166.3
K3-30 Sloped channel - 39.37" (1m) ¹	76030	17.72 (450)	167.5
K3-030 Neutral channel - 39.37" (1m) ¹	76047	17.72 (450)	167.5
K3-0303 Neutral channel - 19.69" (0.5m) ¹	76048	17.72 (450)	89.5
K3-31 Sloped channel - 39.37" (1m)	76031	17.91 (455)	168.7
K3-32 Sloped channel - 39.37" (1m)	76032	18.11 (460)	169.9
K3-33 Sloped channel - 39.37" (1m)	76033	18.31 (465)	171.1
K3-34 Sloped channel - 39.37" (1m)	76034	18.50 (470)	172.3
K3-35 Sloped channel - 39.37" (1m) ¹	76035	18.70 (475)	173.5
K3-36 Sloped channel - 39.37" (1m)	76036	18.90 (480)	174.7
K3-37 Sloped channel - 39.37" (1m)	76037	19.09 (485)	175.9
K3-38 Sloped channel - 39.37" (1m)	76038	19.29 (490)	177.1
K3-39 Sloped channel - 39.37" (1m)	76039	19.49 (495)	178.3
K3-40 Sloped channel - 39.37" (1m) ¹	76040	19.69 (500)	179.5
K3-040 Neutral channel - 39.37" (1m) ¹	76049	19.69 (500)	179.5
K3-0403 Neutral channel - 19.69" (0.5m) ¹	76050	19.69 (500)	97.7
K3-903G In-line catch basin - 19.69" (0.5m) ³	94614	37.40 (950)	88
K3-904G In-line catch basin - 19.69" (0.5) ³	94635	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 - K3-00	6" round	11.81"	421	0.94
a	Bottom outlet - K3-040	6" round	19.69"	544	1.21
b	Bottom outlet - K3-00	8" round	11.81"	748	1.67
b	Bottom outlet - K3-040	8" round	19.69"	966	2.15
c	End outlet - K3-00	6" round	11.81"	364	0.81
c	End outlet - K3-40	6" round	19.69"	500	1.11
d	End outlet - K3-10	8" round	13.78"	681	1.52
d	End outlet - K3-40	8" round	19.69"	863	1.92
e	End outlet - K3-20	10" round	15.75"	1116	2.49
e	End outlet - K3-40	10" round	19.69"	1304	2.91
f	Type K3-903G	4" round	29.80"	287	0.64
g	Type K3-903G	4" round	36.29"	319	0.71
h	Type K3-903G	4" round	28.22"	279	0.62
i	Type K3-903G	6" round	36.29"	707	1.57
j	Type K3-903G	4" round	28.37"	280	0.62
k	Type K3-903G	4" round	34.87"	312	0.7
l	Type K3-903G	6" round	29.15"	626	1.4
m	Type K3-903G	4" round	28.59"	281	0.63
n	Type K3-903G	6" round	36.28"	707	1.57
o	Type K3-903G	4" round	35.72"	316	0.7
p	Type K3-903G	6" round	35.72"	701	1.56
q	Type K3-903G	8" round	36.28"	1237	2.76
r	Type K3-903G	6" round	34.78"	690	1.54
s	Type K3-903G	4" round	27.65"	276	0.61
t	Type K3-903G	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.

K300 Galvanized Steel Edge Rail Channel System



Specification Summary

General

The surface drainage system shall be ACO Drain K300 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 galvanized 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.

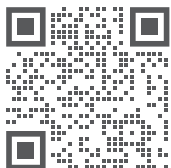


EN1433 Load Class E
134,885 lbs – 2,785 psi

ACO, Inc.

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