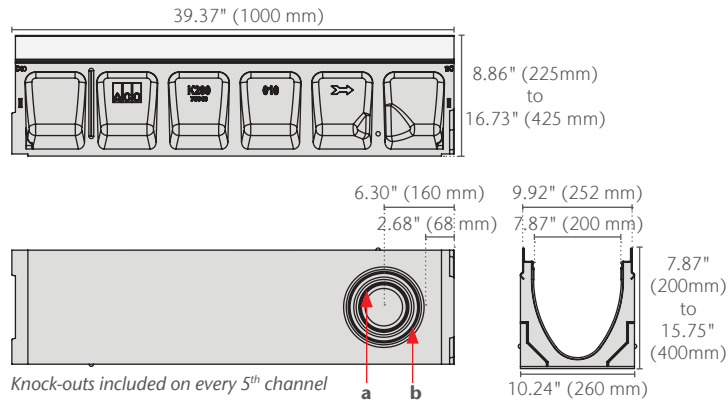


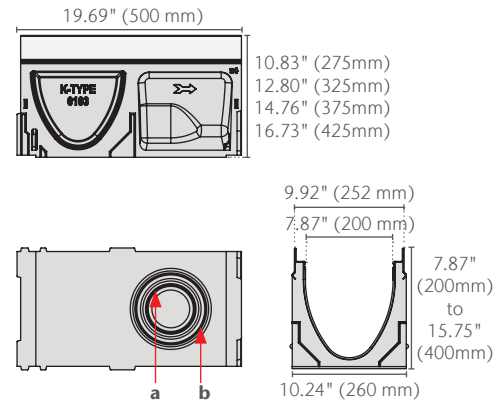
K200 Galvanized Steel Edge Rail Channel System



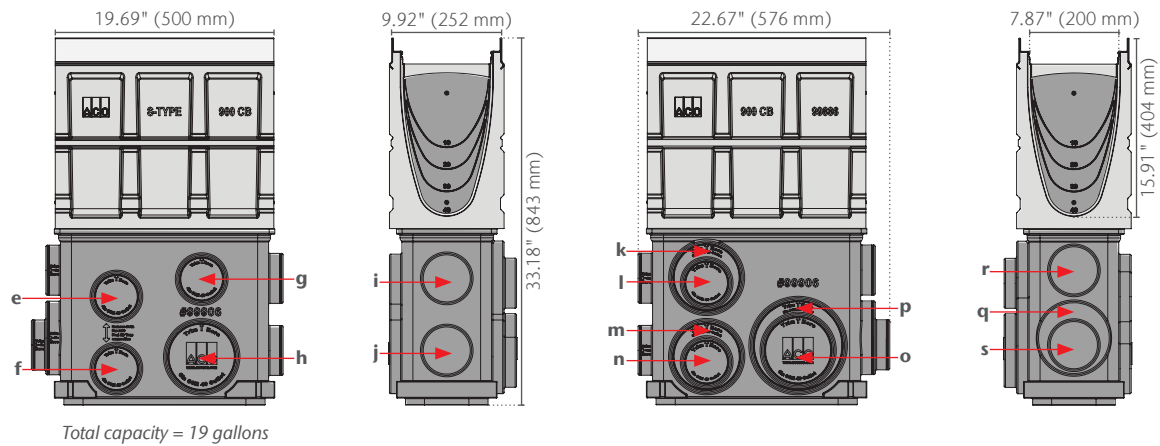
One Meter Channel



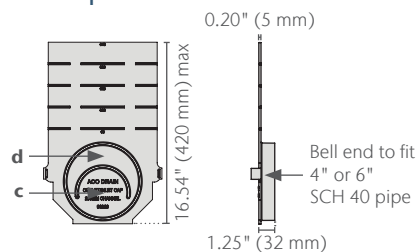
Half Meter Channel



Type K901G In-line Catch Basin



End Cap



K200 Galvanized Steel Edge Rail Channel System

Description	Part No.	Invert ² in (mm)	Weight lbs	Description	Part No.	Invert ² in (mm)	Weight lbs
K2-00 Neutral channel - 39.37" (1m) ¹	75041	7.87 (200)	83.6	Foul air trap - fits both 900 & 600 series basins	90854	-	1.2
K2-1 Sloped channel - 39.37" (1m)	75001	8.07 (205)	83.6	Universal end cap	96821	15.71(399)	1.4
K2-2 Sloped channel - 39.37" (1m)	75002	8.27 (210)	84.7	Debris strainer for 8" bottom knockout	93488	-	0.2
K2-3 Sloped channel - 39.37" (1m)	75003	8.46 (215)	85.8	K2-Installation device	97478	-	2.8
K2-4 Sloped channel - 39.37" (1m)	75004	8.66 (220)	86.9	Grate removal tool	01318	-	0.3
K2-5 Sloped channel - 39.37" (1m)	75005	8.86 (225)	88	K2-QuickLok® locking bar	10457	-	0.5
K2-6 Sloped channel - 39.37" (1m)	75006	9.06 (230)	89.1				
K2-7 Sloped channel - 39.37" (1m)	75007	9.25 (235)	90.2				
K2-8 Sloped channel - 39.37" (1m)	75008	9.45 (240)	91.3				
K2-9 Sloped channel - 39.37" (1m)	75009	9.65 (245)	92.4				
K2-10 Sloped channel - 39.37" (1m) ¹	75010	9.84 (250)	93.5				
K2-010 Neutral channel - 39.37" (1m) ¹	75043	9.84 (250)	93.5				
K2-0103 Neutral channel - 19.69" (0.5m) ¹	75044	9.84 (250)	56				
K2-11 Sloped channel - 39.37" (1m)	75011	10.04 (255)	94.6				
K2-12 Sloped channel - 39.37" (1m)	75012	10.24 (260)	95.7				
K2-13 Sloped channel - 39.37" (1m)	75013	10.43 (265)	96.8				
K2-14 Sloped channel - 39.37" (1m)	75014	10.63 (270)	97.9				
K2-15 Sloped channel - 39.37" (1m) ¹	75015	10.83 (275)	99				
K2-16 Sloped channel - 39.37" (1m)	75016	11.02 (280)	100.1				
K2-17 Sloped channel - 39.37" (1m)	75017	11.22 (285)	101.2				
K2-18 Sloped channel - 39.37" (1m)	75018	11.41 (290)	102.3				
K2-19 Sloped channel - 39.37" (1m)	75019	11.61 (295)	103.4				
K2-20 Sloped channel - 39.37" (1m) ¹	75020	11.81 (300)	104.5				
K2-020 Neutral channel - 39.37" (1m) ¹	75045	11.81 (300)	104.5				
K2-0203 Neutral channel - 19.69" (0.5m) ¹	75046	11.81 (300)	64				
K2-21 Sloped channel - 39.37" (1m)	75021	12.01 (305)	105.6				
K2-22 Sloped channel - 39.37" (1m)	75022	12.2 (310)	106.7				
K2-23 Sloped channel - 39.37" (1m)	75023	12.4 (315)	107.8				
K2-24 Sloped channel - 39.37" (1m)	75024	12.6 (320)	108.9				
K2-25 Sloped channel - 39.37" (1m) ¹	75025	12.8 (325)	110				
K2-26 Sloped channel - 39.37" (1m)	75026	12.99 (330)	111.1				
K2-27 Sloped channel - 39.37" (1m)	75027	13.19 (335)	112.2				
K2-28 Sloped channel - 39.37" (1m)	75028	13.39 (340)	113.3				
K2-29 Sloped channel - 39.37" (1m)	75029	13.58 (345)	114.4				
K2-30 Sloped channel - 39.37" (1m)	75030	13.78 (350)	115.5				
K2-030 Neutral channel - 39.37" (1m) ¹	75047	13.78 (350)	115.5				
K2-0303 Neutral channel - 19.69" (0.5m) ¹	75048	13.78 (350)	68				
K2-31 Sloped channel - 39.37" (1m)	75031	13.98 (355)	116.6				
K2-32 Sloped channel - 39.37" (1m)	75032	14.17 (360)	117.7				
K2-33 Sloped channel - 39.37" (1m)	75033	14.37 (365)	118.8				
K2-34 Sloped channel - 39.37" (1m)	75034	14.57 (370)	119.9				
K2-35 Sloped channel - 39.37" (1m) ¹	75035	14.76 (375)	121				
K2-36 Sloped channel - 39.37" (1m)	75036	14.96 (380)	122.1				
K2-37 Sloped channel - 39.37" (1m)	75037	15.16 (385)	123.2				
K2-38 Sloped channel - 39.37" (1m)	75038	15.35 (390)	124.3				
K2-39 Sloped channel - 39.37" (1m)	75039	15.55 (395)	125.4				
K2-40 Sloped channel - 39.37" (1m) ¹	75040	15.75 (400)	126.5				
K2-040 Neutral channel - 39.37" (1m) ¹	75049	15.75 (400)	126.5				
K2-0403 Neutral channel - 19.69" (0.5m) ¹	75050	15.75 (400)	77				
K2-901G In-line catch basin - 19.69" (0.5m) ³	94611	32.81 (833.3)	68				
K2-621G catch basin - 19.69" (0.5m) ³	94620	37.33 (948.1)	91				
K2-631G catch basin - 19.69" (0.5m) ⁴	94633	49.33 (1252.9)	101				
K2-Series 600 Optional plastic riser	99902	-	10				

1. This channel offers a bottom knockout feature; 4" & 6" 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 25mm (≈1.0") 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 Flow Rates

Outlet	Product	Outlet size (SCH 40)	Invert Depth	GPM	CFS
a	Bottom outlet - K2-00	4" round	7.87"	153	0.34
a	Bottom outlet - K2-040	4" round	15.75"	216	0.48
b	Bottom outlet - K2-00	6" round	7.87"	344	0.77
b	Bottom outlet - K2-040	6" round	15.75"	486	1.08
c	End outlet - K2-00	4" round	7.87"	132	0.29
c	End outlet - K2-40	4" round	15.75"	202	0.45
d	End outlet - K2-10	6" round	9.84"	320	0.71
d	End outlet - K2-40	6" round	15.75"	437	0.97
e	Type K2-902G	4" round	25.33"	263	0.59
f	Type K2-902G	4" round	31.83"	297	0.66
g	Type K2-902G	4" round	23.76"	254	0.57
h	Type K2-902G	6" round	31.83"	658	1.47
i	Type K2-902G	4" round	23.91"	255	0.57
j	Type K2-902G	4" round	30.40"	290	0.65
k	Type K2-902G	6" round	24.68"	570	1.27
l	Type K2-902G	4" round	24.13"	256	0.57
m	Type K2-902G	6" round	31.82"	658	1.47
n	Type K2-902G	4" round	31.26"	294	0.66
o	Type K2-902G	6" round	31.26"	651	1.45
p	Type K2-902G	8" round	31.82"	1149	2.56
q	Type K2-902G	6" round	30.32"	640	1.43
r	Type K2-902G	4" round	23.19"	251	0.56
s	Type K2-902G	4" round	29.90"	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.

K200 Galvanized Steel Edge Rail Channel System



Specification Summary

General

The surface drainage system shall be ACO Drain K200 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 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 0.50" (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" (2.5 mm) thick.

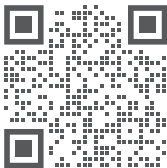


EN1433 Load Class E
134,885 lbs – 2,785 psi

ACO, Inc.

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