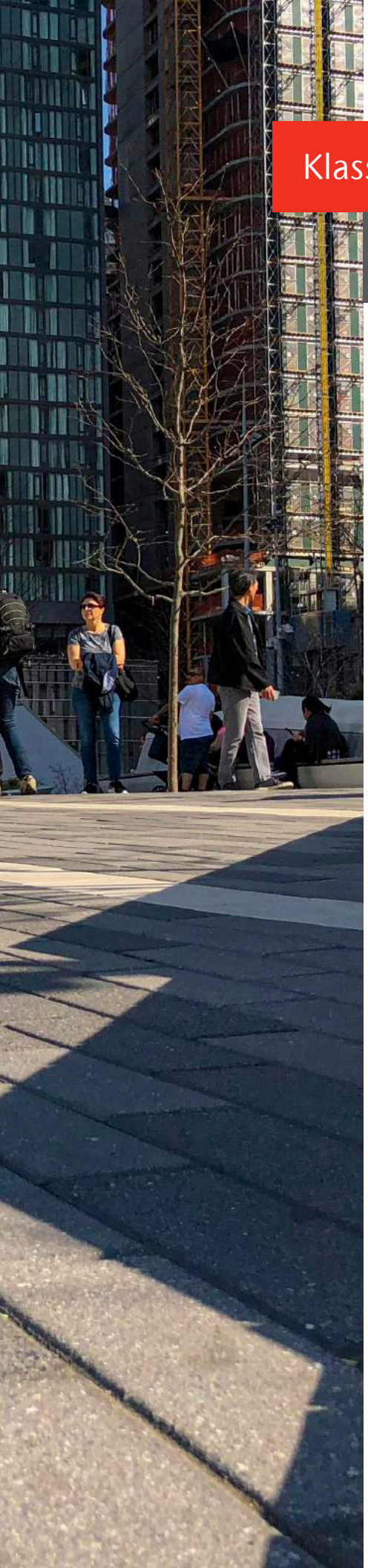


KlassikDrain

General Purpose Trench Drains

KlassikDrain is the market's most widely used modular trench drain system. Developed to offer edge protection to the channels and provide a discreet look that highlights the grate style only. KlassikDrain offers a wide range of grates in many styles, materials, finishes and load categories to provide the ultimate plug and play trench drain system.

Features & Benefits

Wide Choice of Grates

In various materials and styles (including ADA compliant) for applications from Load Class A to Load Class E. See page 13.

DrainLok & QuickLok®

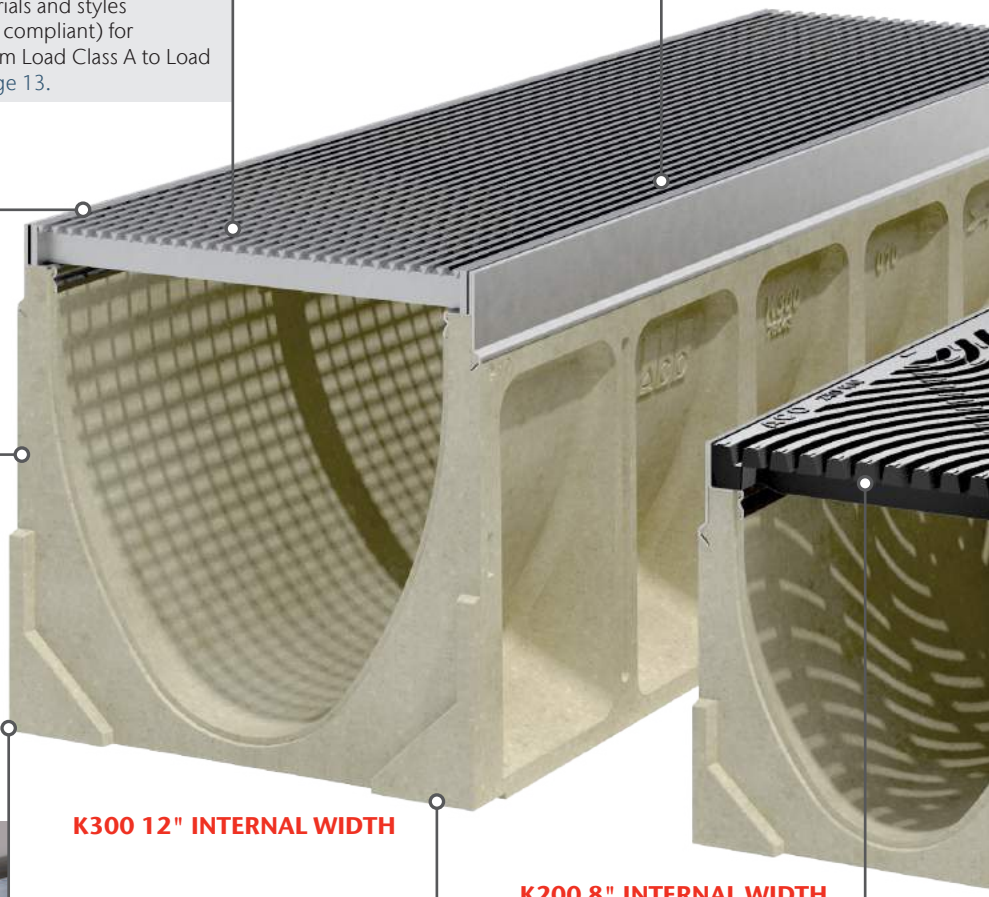
Patented, boltless locking systems provide quick fitting and removal of grates. Helps reduce installation/ maintenance time and cost.

Integral Steel Edge Rail

Provides additional strength and protects channel body from damage. Stainless steel edge rail also available.

Polymer Concrete

A durable, yet lightweight material made from polyester (a resin binder) reinforced by mineral aggregates and fillers. It provides up to four times the compressive strength of cement concrete.
See page 170 for material properties.



K300 12" INTERNAL WIDTH

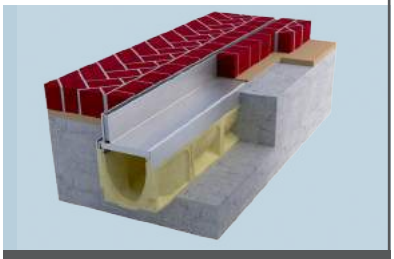
K200 8" INTERNAL WIDTH

Interconnecting End Profiles

Allow easy and effective joining of channels. Appropriate sealant can be used to create a sealed joint.

Knockouts

Included on every 5th channel to allow vertical evacuation of the system along the run. See product pages for sizes for each system.



Brickslot 100 & 200

A discreet drainage solution for use with brick or stone pavers. Available as standard, Heel-resistant and Twinslot versions. See pages 39 and 57.

Anti-Shunt Lugs

Protrusions in grate fit into recesses on the edge rail to prevent longitudinal movement.

Profiled Side Walls

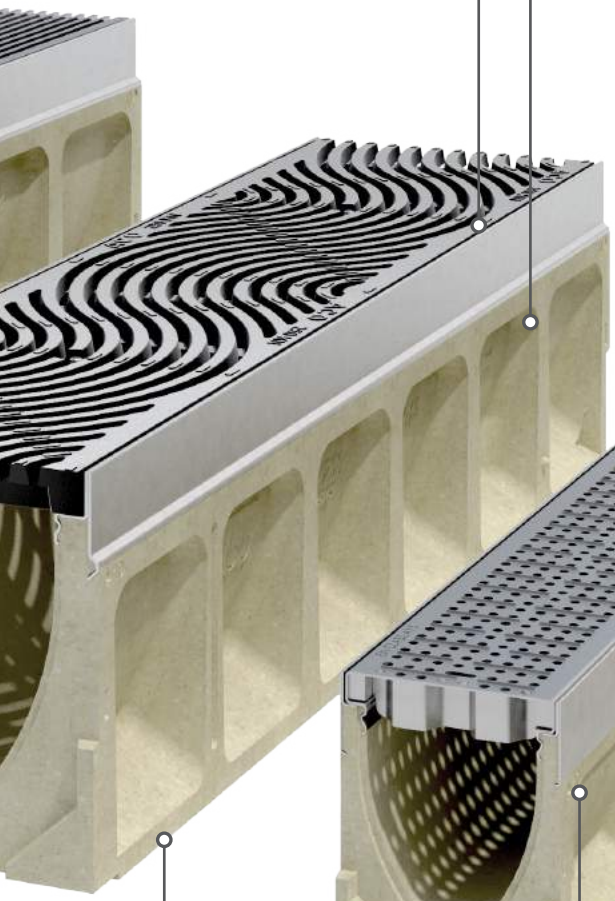
Strengthening pillars and frost keys provide channel body strength and mechanical keying to surrounding concrete.

Channel Identification

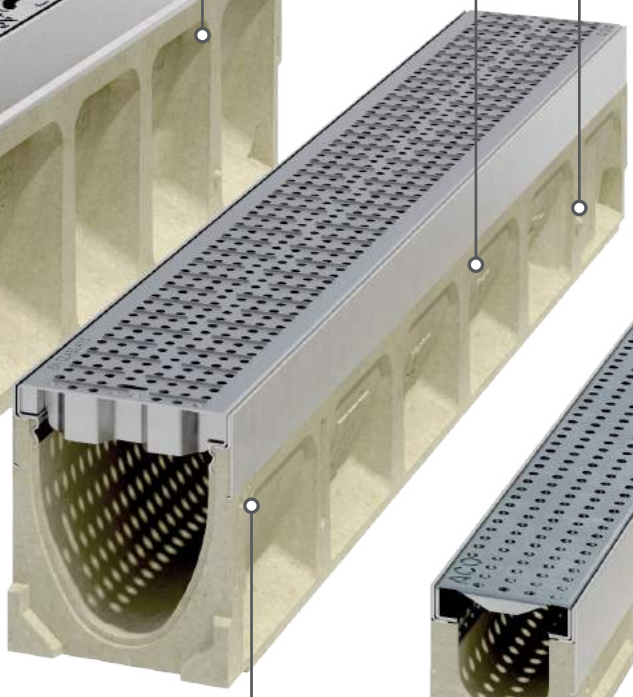
Channels feature numbering on sidewalls and base of channel (to allow easy identification after concrete encasement).

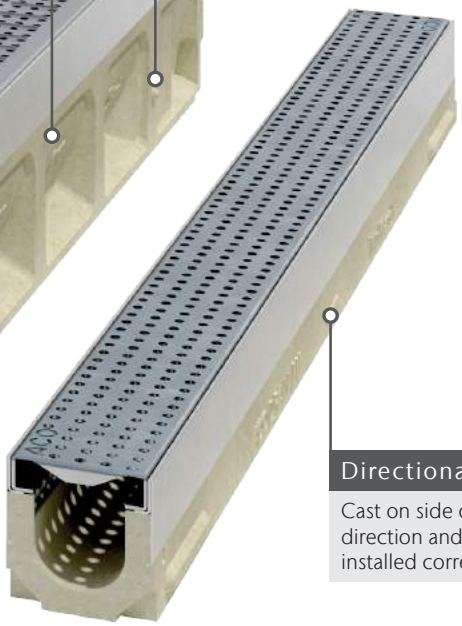
Shipping Gipple/Groove

Side interlocking feature ensures safer stacking of channels on pallets for shipping and minimizes breakage.



K100 4" INTERNAL WIDTH





K50 2" INTERNAL WIDTH

Directional Arrows

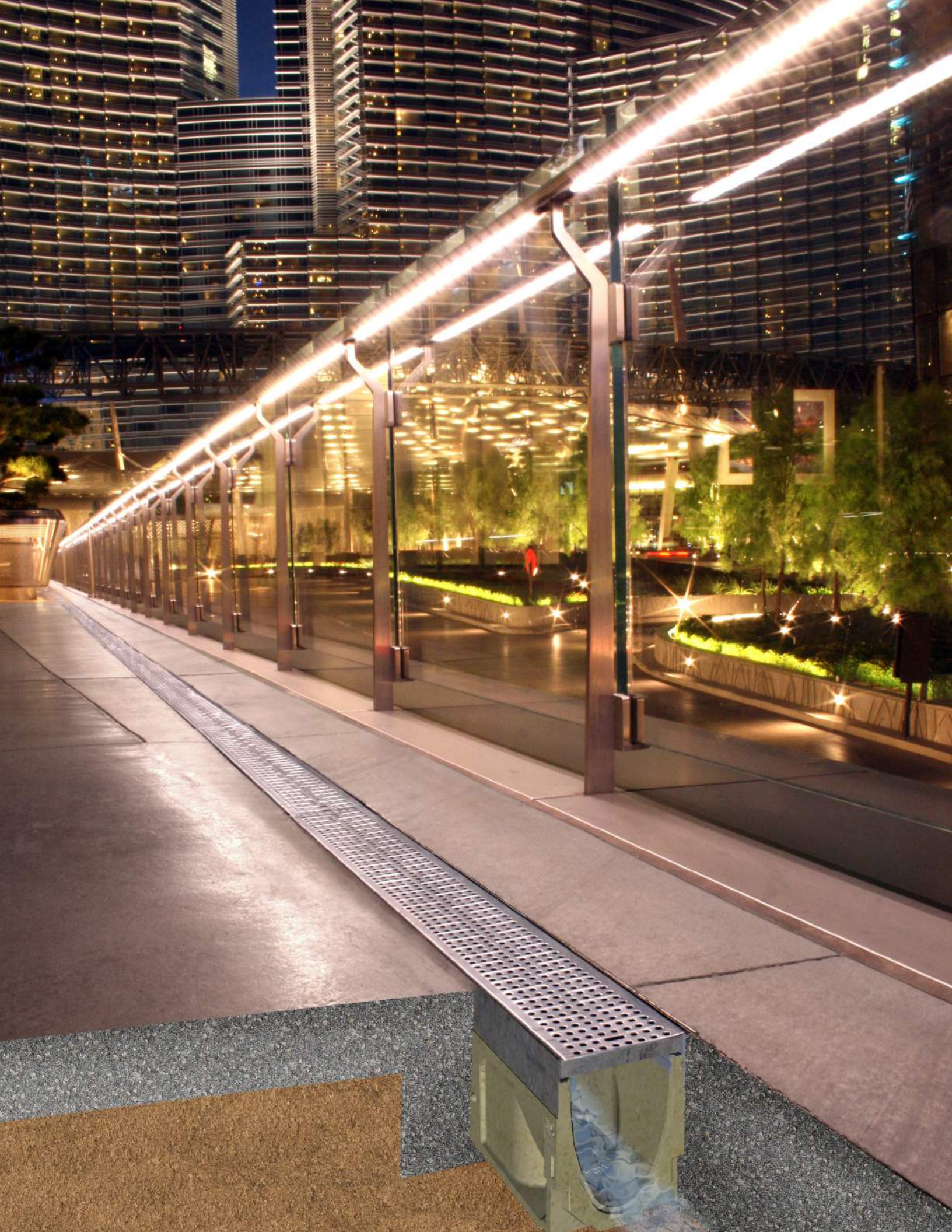
Cast on side of channel indicate flow direction and ensure channels are installed correctly.

Sloped (0.5%) Channel Units

Meter long units provide 131'-3" continuous slope - equates to 1/17" fall per linear foot. Constant depth units can be used to extend run lengths.

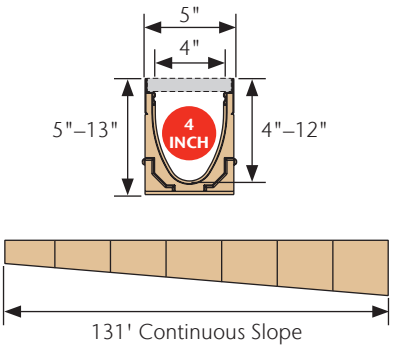
System Numbering

Each end of the channel indicates the number of the channel that will connect to it.



KlassikDrain K100/KS100

4" Internal Width General Purpose System



K100 is a 4" internal width, general purpose system with galvanized steel edge rail and the widest choice of grates in different materials and slot styles up to Load Class E (134,885 lbs) featuring either patented DrainLok or QuickLok® boltless locking systems.

KS100 is the same system, but the edge rail is grade 304 stainless steel. KS100 should be used where increased aesthetics are required or where increased corrosion resistance is required.

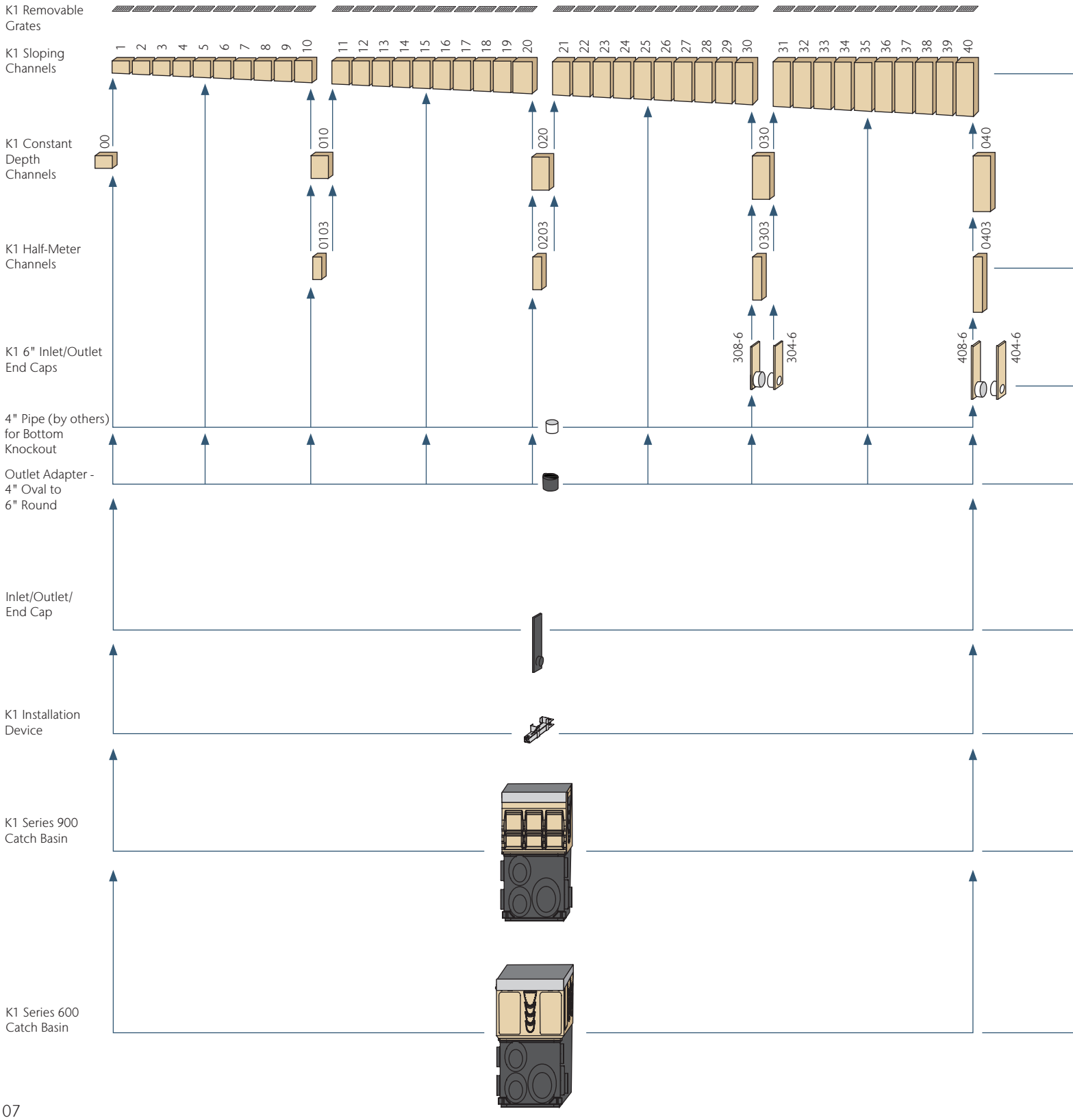
Typical Applications:

- Parking lots & garages
- Shopping malls
- Pedestrian areas
- Light industrial areas
- Commercial areas
- Internal applications

KLASSIKDRAIN K100/KS100 SELECTION CRITERIA

A ▶▶▶▶ E	Light to industrial duty loads
	Product can be used towards LEED & EPA requirements
	Resistant to many everyday chemicals
	Multiple grate options to meet legal requirements
SAFE	Multiple grate options to meet design requirements
	General, everyday hydraulic capacity
	Constant depth and/or sloped depth channels

K100/KS100 System Layout



Note: K1 Universal Inlet/Outlet/End Cap, Installation Devices and Catch Basins can be placed at either end of any channel within the system.

K1 Meter Channels - Sloping & Constant Depth

0.5% sloped channels in meter lengths and 40 depths which connect to create 40 meter (131'-2") continuously sloping run. Available with either galvanized or stainless steel edge rail.

Constant depth channels available in 5 depths. Can be used to create non-sloped runs, or inserted in sloped runs to increase length.

Bottom knockouts on all constant depths and 5, 10, 15, 20, 25, 30, 35, 40 channels.

K1 Half-Meter Channels

Constant depth channels in 4 depths supplement meter channels. Side knockout and profiling enable side junction to be created. Bottom knockouts on all half meter channels. Available with either galvanized or stainless steel edge rail.

K1 6" SCH 40 Inlet/Outlet End Cap

6" SCH 40 plain end plastic pipe; oval to round adapter cast into polymer concrete end cap and available in two heights. Solvent weld to coupler.
Note: These end caps cannot be cut to height, and fit only at positions shown in layout diagram.

Outlet Adapter - 4" Oval to 6" Round

Oval to round plastic adapter for bottom drill-out on 4" polymer concrete channels. SCH 40 6" plain end can be solvent welded to underground pipe system. Seal to channel using appropriate flexible sealant.

K1 Universal Inlet/Outlet/End Cap

Fits all channels and manufactured from ABS plastic to complement edge rail. Guides aid cutting to correct height. Wings clip cap onto end of channel. 4" bell end connection to SCH 40 pipe. Seal using PVC-ABS cement.
Note: ACO recommends removal of unused sections of bell end to ensure adequate pavement material coverage.

K1 Installation Device

Fits molded recesses on body of channel. Provides height and joint alignment - a sliding clamp locks the two channels together. Bolt to rebar on either side of channel to hold channels in place during concrete pour. Not reusable; it is encased within concrete pour.

K1 Series 900 In-Line Catch Basins

Two-part in-line catch basin with either a plastic base with 4", 6" and 8" drill-outs for pipe connection or a polymer concrete base. Supplied with plastic trash bucket. Options include an in-line or side foul air trap. Available with either galvanized or stainless steel edge rail.

Any channel can be connected into the catch basin by removing the end wall to the correct height with a box cutter. Cut-out guides provided for connection to channels 00, 010, 020, 030 and 040. All cut-outs to receive male channel ends. One blanking end plate supplied with each in-line catch basin.

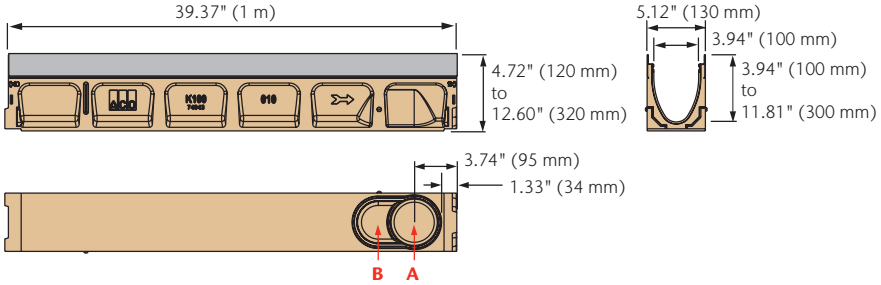
K1 Series 600 Catch Basins

Two-part catch basin; bases have either a plastic base with 4", 6" and 8" drill-outs for pipe connection or a polymer concrete base. Supplied with plastic trash bucket. Optional riser available for increased depth. Available with either galvanized or stainless steel edge rail.

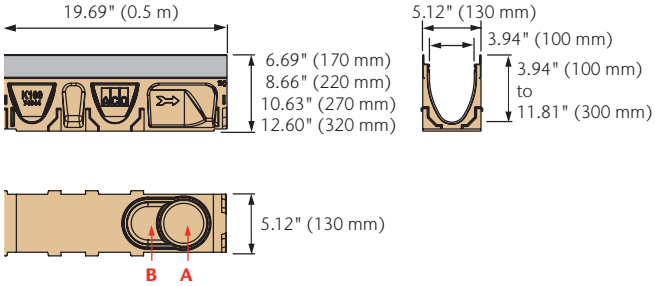
Any channel can be connected to catch basin by removing end/side wall to correct height. Drill-outs guide connection to channels 00, 010, 020, 030 and 040. All cut-outs to receive male channel ends.

Dimensions & Outlet Flow Rates

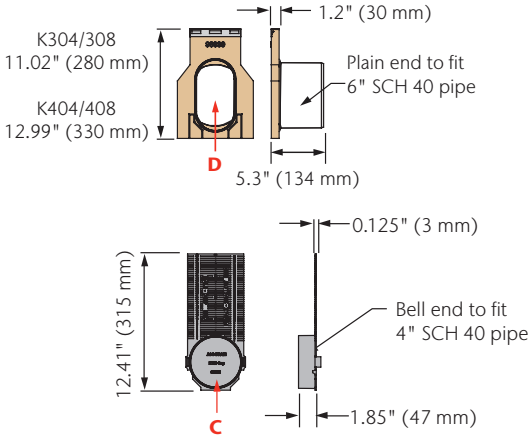
K1 Meter Channels



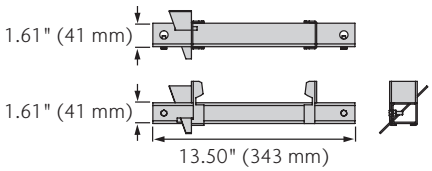
K1 Half-Meter Channels



K1 Universal Inlet/Outlet/End Cap



K1 Installation Device



OUTLET FLOW RATES

Channel Outlet	Channel	Size (SCH 40)	Invert in	GPM	CFS
A	K1-00	4" round	3.94	108	0.24
	K1-40	4" round	11.81	187	0.42
B	K1-00	6" oval	3.94	177	0.39
	K1-40	6" oval	11.81	306	0.68
C	K1-20	4" round	7.87	132	0.29
	K1-40	4" round	11.81	171	0.38
D	K1-30	6" oval	9.84	233	0.52
	K1-40	6" oval	11.81	264	0.59

Note: These are pipe flow rates at specified outlet, NOT channel flow rates.

K100/KS100 Parts

	Part No.		Invert Depth				Overall Depth				Volume	Weight
	K100	KS100	in		mm		in		mm		gal	lbs
			female	male	female	male	female	male	female	male		
K1-00 Constant Depth Channel - 39.37" (1 m)*	**74041**	**74441**	**3.94**	**3.94**	**100**	**100**	**4.72**	**4.72**	**120**	**120**	**1.96**	**28.1**
K1-1 Sloped Channel - 39.37" (1 m)	**74001**	**74401**	3.94	4.13	100	105	4.72	4.92	120	125	1.99	28.1
K1-2 Sloped Channel - 39.37" (1 m)	**74002**	**74402**	4.13	4.33	105	110	4.92	5.12	125	130	2.04	28.9
K1-3 Sloped Channel - 39.37" (1 m)	**74003**	**74403**	4.33	4.53	110	115	5.12	5.31	130	135	2.13	29.7
K1-4 Sloped Channel - 39.37" (1 m)	**74004**	**74404**	4.53	4.72	115	120	5.31	5.51	135	140	2.23	30.5
K1-5 Sloped Channel - 39.37" (1 m)*	**74005**	**74405**	4.72	4.92	120	125	5.51	5.71	140	145	2.33	31.3
K1-6 Sloped Channel - 39.37" (1 m)	**74006**	**74406**	4.92	5.12	125	130	5.71	5.91	145	150	2.43	32.1
K1-7 Sloped Channel - 39.37" (1 m)	**74007**	**74407**	5.12	5.31	130	135	5.91	6.10	150	155	2.54	32.9
K1-8 Sloped Channel - 39.37" (1 m)	**74008**	**74408**	5.31	5.51	135	140	6.10	6.30	155	160	2.65	33.7
K1-9 Sloped Channel - 39.37" (1 m)	**74009**	**74409**	5.51	5.71	140	145	6.30	6.50	160	165	2.75	34.5
K1-10 Sloped Channel - 39.37" (1 m)*	**74010**	**74410**	5.71	5.91	145	150	6.50	6.69	165	170	2.86	35.3
K1-010 Constant Depth Channel - 39.37" (1 m)*	**74043**	**74443**	**5.91**	**5.91**	**150**	**150**	**6.69**	**6.69**	**170**	**170**	**2.85**	**35.3**
K1-0103 Constant Depth Channel - 19.69" (0.5 m)*	**74044**	**74444**	**5.91**	**5.91**	**150**	**150**	**6.69**	**6.69**	**170**	**170**	**1.43**	**17.0**
K1-11 Sloped Channel - 39.37" (1 m)	**74011**	**74411**	5.91	6.10	150	155	6.69	6.89	170	175	2.97	36.1
K1-12 Sloped Channel - 39.37" (1 m)	**74012**	**74412**	6.10	6.30	155	160	6.89	7.09	175	180	3.08	36.9
K1-13 Sloped Channel - 39.37" (1 m)	**74013**	**74413**	6.30	6.50	160	165	7.09	7.28	180	185	3.19	37.7
K1-14 Sloped Channel - 39.37" (1 m)	**74014**	**74414**	6.50	6.69	165	170	7.28	7.48	185	190	3.30	38.5
K1-15 Sloped Channel - 39.37" (1 m)*	**74015**	**74415**	6.69	6.89	170	175	7.48	7.68	190	195	3.42	39.3
K1-16 Sloped Channel - 39.37" (1 m)	**74016**	**74416**	6.89	7.09	175	180	7.68	7.87	195	200	3.53	40.1
K1-17 Sloped Channel - 39.37" (1 m)	**74017**	**74417**	7.09	7.28	180	185	7.87	8.07	200	205	3.64	40.9
K1-18 Sloped Channel - 39.37" (1 m)	**74018**	**74418**	7.28	7.48	185	190	8.07	8.27	205	210	3.75	41.7
K1-19 Sloped Channel - 39.37" (1 m)	**74019**	**74419**	7.48	7.68	190	195	8.27	8.46	210	215	3.86	42.5
K1-20 Sloped Channel - 39.37" (1 m)*	**74020**	**74420**	7.68	7.87	195	200	8.46	8.66	215	220	3.98	43.4
K1-020 Constant Depth Channel - 39.37" (1 m)*	**74045**	**74445**	**7.87**	**7.87**	**200**	**200**	**8.66**	**8.66**	**220**	**220**	**3.97**	**43.4**
K1-0203 Constant Depth Channel - 19.69" (0.5 m)*	**74046**	**74446**	**7.87**	**7.87**	**200**	**200**	**8.66**	**8.66**	**220**	**220**	**1.98**	**20.5**
K1-21 Sloped Channel - 39.37" (1 m)	**74021**	**74421**	7.87	8.07	200	205	8.66	8.86	220	225	4.09	44.2
K1-22 Sloped Channel - 39.37" (1 m)	**74022**	**74422**	8.07	8.27	205	210	8.86	9.06	225	230	4.20	45.0
K1-23 Sloped Channel - 39.37" (1 m)	**74023**	**74423**	8.27	8.46	210	215	9.06	9.25	230	235	4.32	45.8
K1-24 Sloped Channel - 39.37" (1 m)	**74024**	**74424**	8.46	8.66	215	220	9.25	9.45	235	240	4.42	46.6
K1-25 Sloped Channel - 39.37" (1 m)*	**74025**	**74425**	8.66	8.86	220	225	9.45	9.65	240	245	4.54	47.4
K1-26 Sloped Channel - 39.37" (1 m)	**74026**	**74426**	8.86	9.06	225	230	9.65	9.84	245	250	4.66	48.2
K1-27 Sloped Channel - 39.37" (1 m)	**74027**	**74427**	9.06	9.25	230	235	9.84	10.04	250	255	4.78	49.0
K1-28 Sloped Channel - 39.37" (1 m)	**74028**	**74428**	9.25	9.45	235	240	10.04	10.24	255	260	4.89	49.8
K1-29 Sloped Channel - 39.37" (1 m)	**74029**	**74429**	9.45	9.65	240	245	10.24	10.43	260	265	5.00	50.6
K1-30 Sloped Channel - 39.37" (1 m)*	**74030**	**74430**	9.65	9.84	245	250	10.43	10.63	265	270	5.11	51.4
K1-030 Constant Depth Channel - 39.37" (1 m)*	**74047**	**74447**	**9.84**	**9.84**	**250**	**250**	**10.63**	**10.63**	**270**	**270**	**5.10**	**51.4**
K1-0303 Constant Depth Channel - 19.69" (0.5 m)*	**74048**	**74448**	**9.84**	**9.84**	**250**	**250**	**10.63**	**10.63**	**270**	**270**	**2.55**	**24.0**
K1-31 Sloped Channel - 39.37" (1 m)	**74031**	**74431**	9.84	10.04	250	255	10.63	10.83	270	275	5.23	52.2
K1-32 Sloped Channel - 39.37" (1 m)	**74032**	**74432**	10.04	10.24	255	260	10.83	11.02	275	280	5.34	53.0
K1-33 Sloped Channel - 39.37" (1 m)	**74033**	**74433**	10.24	10.43	260	265	11.02	11.22	280	285	5.45	53.8
K1-34 Sloped Channel - 39.37" (1 m)	**74034**	**74434**	10.43	10.63	265	270	11.22	11.42	285	290	5.56	54.6
K1-35 Sloped Channel - 39.37" (1 m)*	**74035**	**74435**	10.63	10.83	270	275	11.42	11.61	290	295	5.68	55.4
K1-36 Sloped Channel - 39.37" (1 m)	**74036**	**74436**	10.83	11.02	275	280	11.61	11.81	295	300	5.79	56.2
K1-37 Sloped Channel - 39.37" (1 m)	**74037**	**74437**	11.02	11.22	280	285	11.81	12.01	300	305	5.91	57.0
K1-38 Sloped Channel - 39.37" (1 m)	**74038**	**74438**	11.22	11.42	285	290	12.01	12.20	305	310	6.02	57.9
K1-39 Sloped Channel - 39.37" (1 m)	**74039**	**74439**	11.42	11.61	290	295	12.20	12.40	310	315	6.13	58.7
K1-40 Sloped Channel - 39.37" (1 m)*	**74040**	**74440**	11.61	11.81	295	300	12.40	12.60	315	320	6.25	59.5
K1-040 Constant Depth Channel - 39.37" (1 m)*	**74049**	**74449**	**11.81**	**11.81**	**300**	**300**	**12.60**	**12.60**	**320**	**320**	**6.24**	**59.5**
K1-0403 Constant Depth Channel - 19.69" (0.5 m)*	**74050**	**74450**	**11.81**	**11.81**	**300**	**300**	**12.60**	**12.60**	**320**	**320**	**3.12**	**27.5**
K1-304-6 6" Inlet Cap	**96839**	**96844**	9.84	9.84	250	250	11.02	11.02	280	280	-	5.2
K1-308-6 6" Outlet Cap	**96840**	**96845**	9.84	9.84	250	250	11.02	11.02	280	280	-	5.0
K1-404-6 6" Inlet Cap	**96834**	**96846**	11.81	11.81	300	300	12.99	12.99	330	330	-	6.0
K1-408-6 6" Outlet Cap	**96836**	**96847**	11.81	11.81	300	300	12.99	12.99	330	330	-	5.8
K1 Universal Inlet/Outlet/End Cap	**96822**		11.81	11.81	300	300	12.40	12.40	315	315	-	0.4
K1 Debris Strainer for 4" Bottom Knockout[3]	**93488**		-	-	-	-	-	-	-	-	-	0.2
Outlet Adapter - 4" Oval to 6" Round	**95140**		-	-	-	-	-	-	-	-	-	1.1
K1 Installation device	**97477**		-	-	-	-	-	-	-	-	-	2.8
Grate Removal Tool	**01318**		-	-	-	-	-	-	-	-	-	0.3
K1 QuickLok® Locking Bar	**02899**		-	-	-	-	-	-	-	-	-	0.1

Notes:
1. K100 has a galvanized steel edge rail for general use. KS100 has a grade 304 stainless steel edge rail for use where increased aesthetics or corrosion resistance is required.
2. KlassikDrain is sold as channel only. Choose appropriate grate from pages 35–38.
3. Debris strainer details for 4" dia. outlet on page 138.
4. See Catch Basin Parts List on page 29.
**This channel features 4" & 6" bottom knockouts.*

Catch Basin Assemblies & Part Details

Polymer concrete catch basins can be used as standalone area drains or as the outlet to a trench run. They provide the highest hydraulic output and allow access to the pipe system for maintenance.

Series 900 catch basins are **in-line catch basins** (same width and visually indistinguishable from the trench run) while Series 600 catch basins are 12" wide, providing greater hydraulic output.

CATCH BASIN LOAD STRENGTH

Catch basins with plastic risers/bases should be used in load classes A–D. For heavy duty applications, ACO recommends using polymer concrete risers and catch basins for load class E/F applications.

K100/KS100 Catch Basin Parts

	Part No.		Volume*	Weight
	K100	**KS100**	gal	lbs
K1-901 In-Line Catch Basin w/ Plastic Base	**94608**	**94609**	12.3	52.6
K1-906 In-Line Catch Basin w/ Polymer Concrete Base	**97934**	**97935**	11.1	113.4
K1-621 Catch Basin w/ Plastic Base	**94617**	**94618**	24.9	55.8
K1-622 Catch Basin w/ Polymer Concrete Base	**97915**	**97916**	25.1	137.5
K1-631 Catch Basin w/ Plastic Riser & Base	**94631**	**94632**	34.7	65.8
K1-632 Catch Basin w/ Polymer Concrete Riser & Base	**97925**	**97926**	34.0	183.0
Series 600 Plastic Riser	**99902**		9.8	10.0
Series 611 Polymer Concrete Riser	**91110**		8.9	45.0
Foul Air Trap (fits all plastic basins)	**90854**		-	1.2

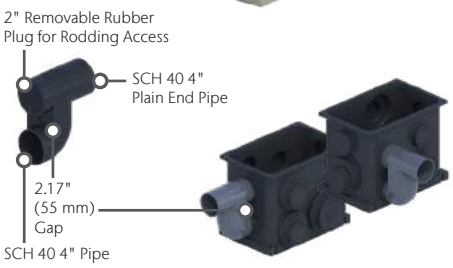
**Volume is up to grate seat and without trash bucket.*

BLANKING END PLATES

Blanking plates are supplied with catch basin tops to stop concrete ingress at end of drain run. The plate is fitted by pushing it over the polymer concrete end bar to fit flush with side rails.

FOUL AIR TRAP

A plastic foul air trap that fits into the front or side of plastic in-line catch basins. A coupler is required to connect SCH 40 4" plain end pipe to underground pipe system.

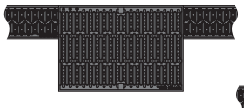


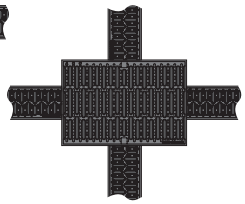
CATCH BASIN CHANNEL CONNECTION

Channels can be connected to catch basin on all four sides in a variety of configurations.

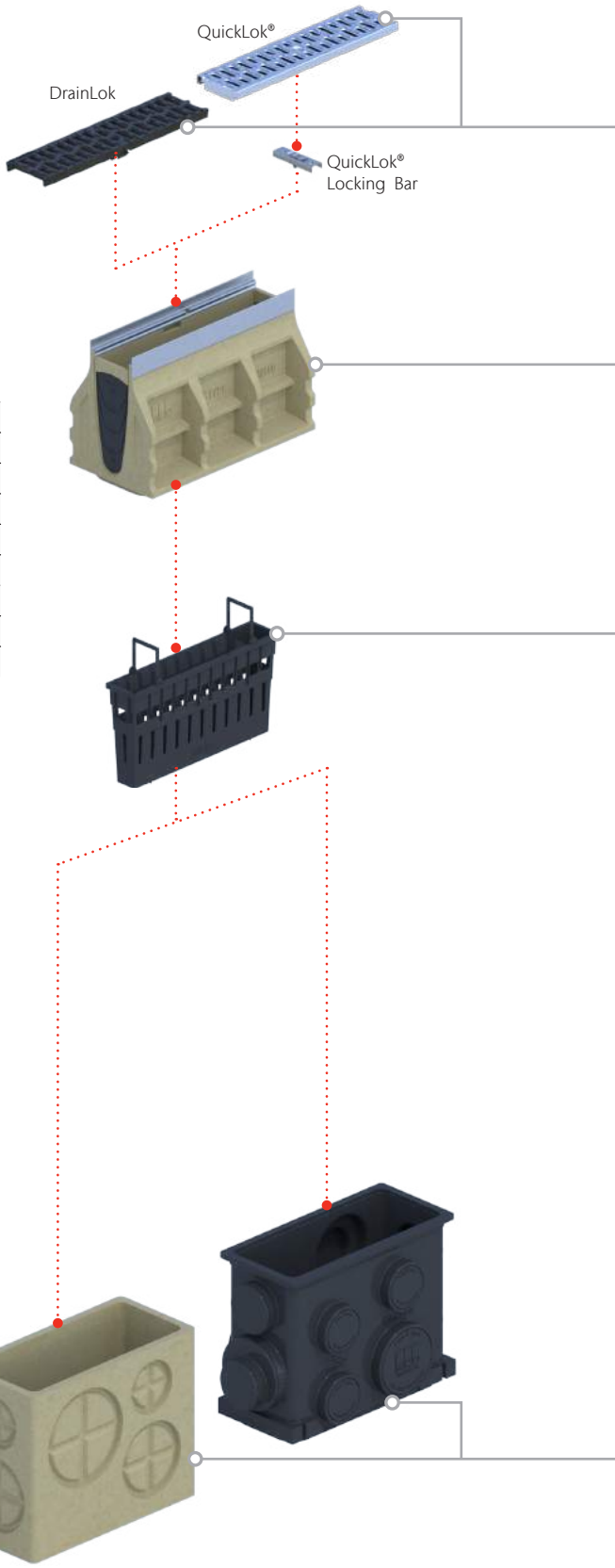
Series 900

Series 600





K1 SERIES 900 4" WIDE IN-LINE CATCH BASINS



K1 SERIES 600 12" WIDE CATCH BASINS

Series 600 Grates - choice of grates to match/complement channel with DrainLok or QuickLok® boltless locking. See page 77–78. All catch basin assemblies will include one QuickLok® Locking Bar.

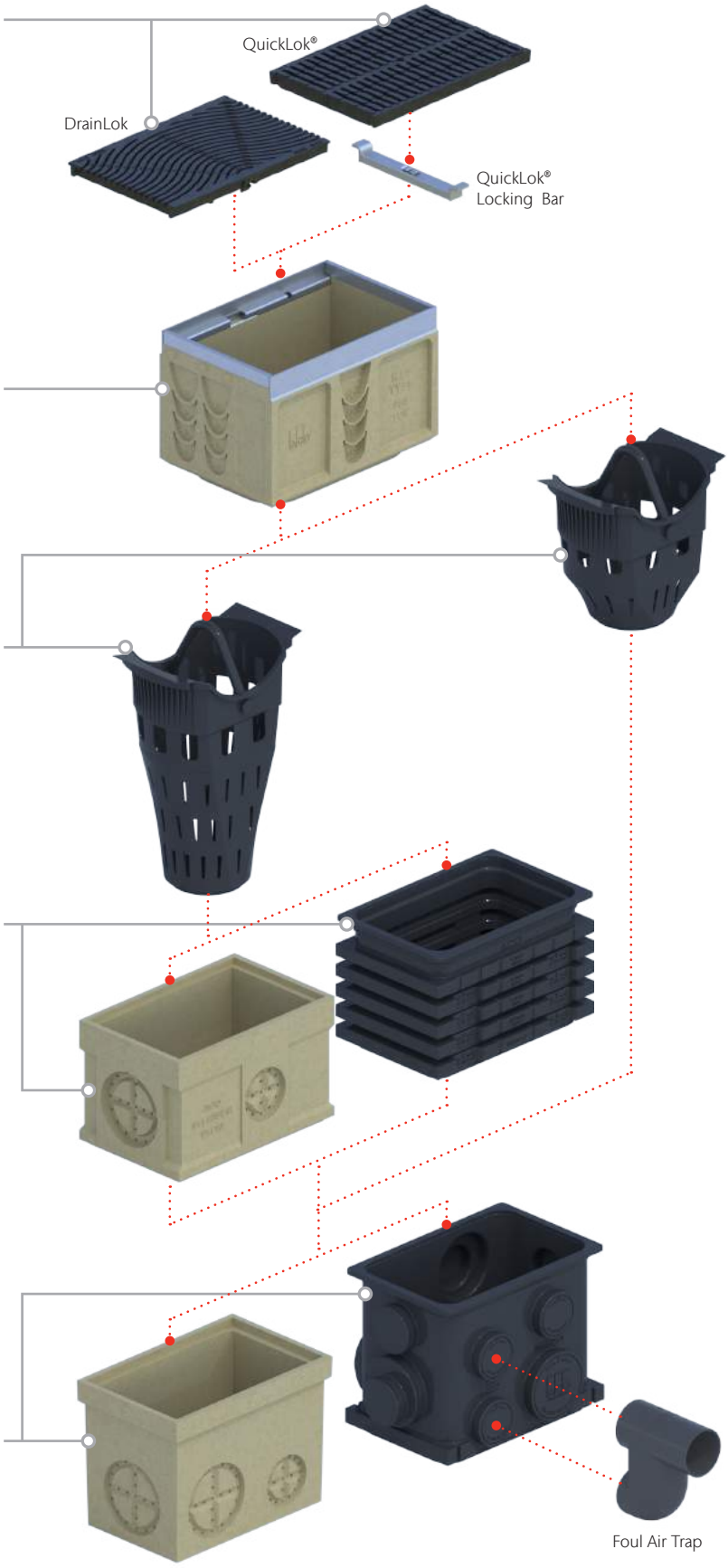
Series 900 Grates - choice of grates to match channel grates with DrainLok or QuickLok® boltless locking. See page 35–38. QuickLok® grates are often paired with removable QuickLok® locking bars for easy access to trash bucket and pipework. One is included in each catch basin assembly.

Top Section - polymer concrete with integrally cast-in galvanized or stainless steel frame. Guides aid connection of male channel ends at #10, 20, 30 and 40 depths. Other channels can be connected by removing wall to required height. Blanking kit supplied with in-line catch basins.

Trash Bucket - plastic trash bucket designed to collect debris washed from trench run. Supported in catch basin top to avoid creation of a vacuum and reduction in outflow. K1-631 and K1-632 use a deeper bucket with riser.

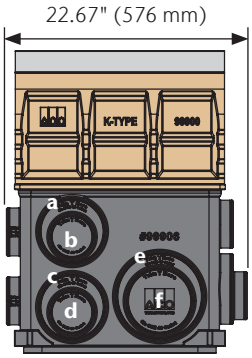
Riser - a plastic or polymer concrete riser supplied with K1-631 and K1-632, designed to provide additional catch basin depth and hydraulic output. Guides on the plastic version enable cutting to size at 2" (50 mm) intervals - minimum 2" and maximum 12" height. Additional units can be used (a maximum of 2 is recommended to ensure snake access is maintained and for structural stability).
Multiple risers can be used with series 600 catch basins.

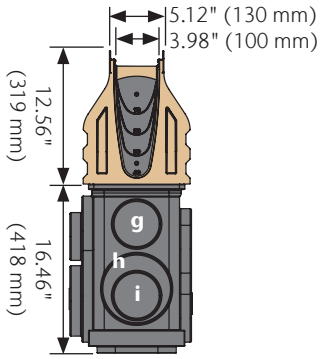
Base - Plastic or polymer concrete bases available. Plastic bases have a wide range of SCH 40 4", 6" and 8" cut-outs for easy pipe connection. Cut-outs on end and side allow connection of ACO foul air trap. Polymer concrete bases have drill-outs cast on the sides for pipe connections.

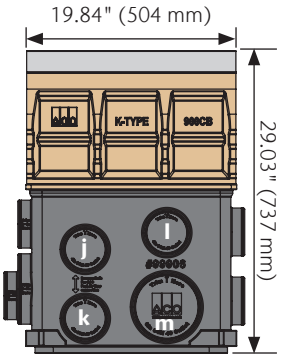


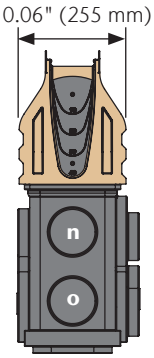
Catch Basin Dimensions & Outlet Flow Rates

K1-901G/S In-Line Catch Basin









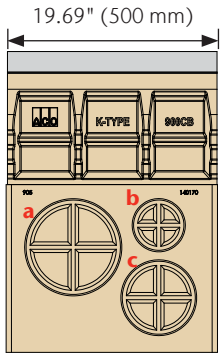
Catch Basin Outlet	Size (SCH 40)	Invert in	GPM	CFS
a	6"	19.99	505	1.12
b	4"	19.36	227	0.51
c	6"	27.30	604	1.35
d	4"	26.43	269	0.60
e	8"	27.30	1051	2.34
f	6"	26.43	593	1.32

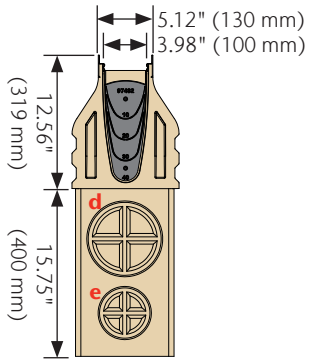
Catch Basin Outlet	Size (SCH 40)	Invert in	GPM	CFS
g	4"	18.56	222	0.49
h	6"	25.85	586	1.30
i	4"	25.30	263	0.59

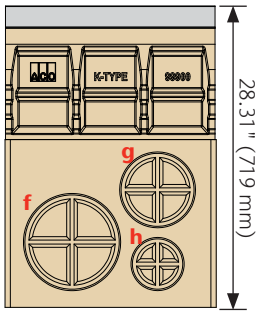
Catch Basin Outlet	Size (SCH 40)	Invert in	GPM	CFS
j	4"	20.68	235	0.52
k	4"	27.17	273	0.61
l	4"	18.99	224	0.50
m	6"	27.17	602	1.34

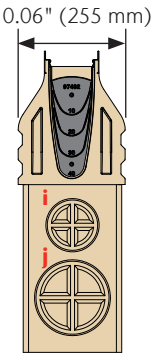
Catch Basin Outlet	Size (SCH 40)	Invert in	GPM	CFS
n	4"	19.30	226	0.50
o	4"	25.67	265	0.59

K1-906G/S In-Line Catch Basin









Catch Basin Outlet	Size (SCH 40)	Invert in	GPM	CFS
a	8"	22.43	934	2.15
b	4"	18.36	220	0.51
c	6"	26.17	589	1.36

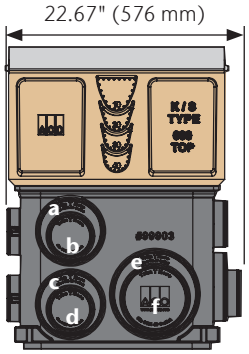
Catch Basin Outlet	Size (SCH 40)	Invert in	GPM	CFS
d	6"	20.26	509	1.17
e	4"	26.23	268	0.62

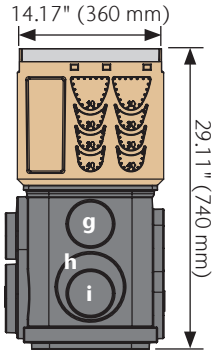
Catch Basin Outlet	Size (SCH 40)	Invert in	GPM	CFS
f	8"	26.17	1025	2.36
g	6"	20.26	509	1.17
h	4"	26.23	268	0.62

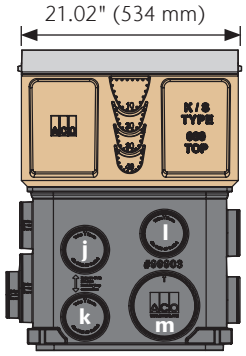
Catch Basin Outlet	Size (SCH 40)	Invert in	GPM	CFS
i	4"	18.36	220	0.51
j	6"	26.17	589	1.36

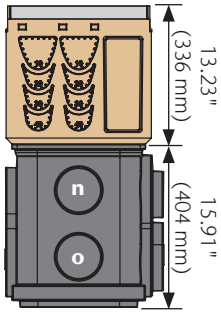
Note: These are pipe flow rates at specified outlets, NOT channel flow rates. Catch basin flow rates are listed without a trash bucket—using a trash bucket reduces flow.

K1-621G/S Catch Basin









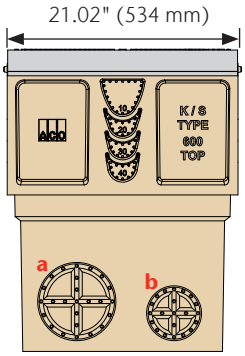
Catch Basin Outlet	Size (SCH 40)	Invert in	GPM	CFS
a	6"	20.62	514	1.15
b	4"	20.07	231	0.52
c	6"	27.76	609	1.36
d	4"	27.19	273	0.61
e	8"	27.76	1061	2.36
f	6"	27.19	602	1.34

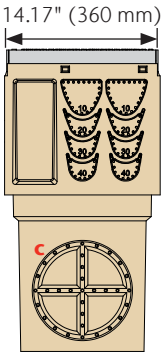
Catch Basin Outlet	Size (SCH 40)	Invert in	GPM	CFS
g	4"	19.15	225	0.50
h	6"	26.28	591	1.32
i	4"	25.86	266	0.59

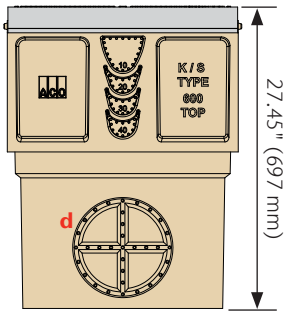
Catch Basin Outlet	Size (SCH 40)	Invert in	GPM	CFS
j	4"	21.29	239	0.53
k	4"	27.79	276	0.62
l	4"	19.72	229	0.51
m	6"	27.79	610	1.36

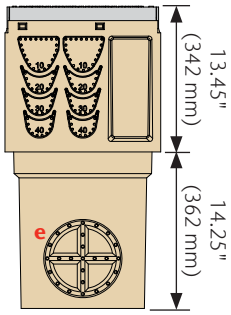
Catch Basin Outlet	Size (SCH 40)	Invert in	GPM	CFS
n	4"	19.84	230	0.51
o	4"	26.34	269	0.60

K1-622G/S Catch Basin









Catch Basin Outlet	Size (SCH 40)	Invert in	GPM	CFS
a	6"	25.96	587	1.35
b	4"	26.02	267	0.61

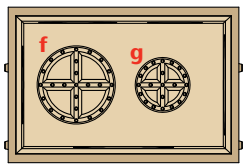
Catch Basin Outlet	Size (SCH 40)	Invert in	GPM	CFS
c	8"	25.96	1020	2.35

Catch Basin Outlet	Size (SCH 40)	Invert in	GPM	CFS
d	8"	25.96	1020	2.35

Catch Basin Outlet	Size (SCH 40)	Invert in	GPM	CFS
e	6"	25.96	587	1.35

Note: These are pipe flow rates at specified outlets, NOT channel flow rates. Catch basin flow rates are listed without a trash bucket—using a trash bucket reduces flow.

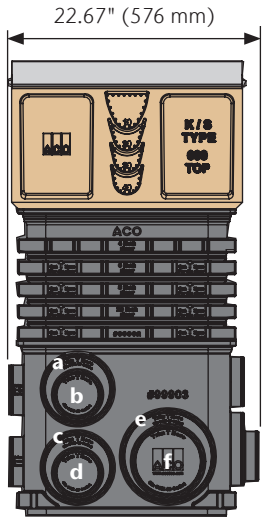
Underside

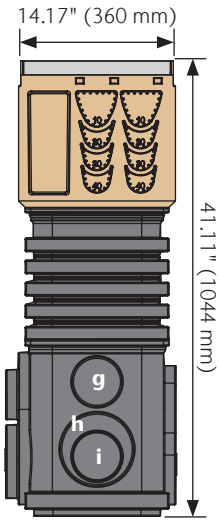


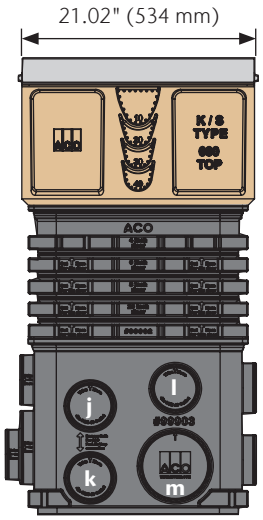
Catch Basin Outlet	Size (SCH 40)	Invert in	GPM	CFS
f	6"	27.45	641	1.48
g	4"	27.45	285	0.66

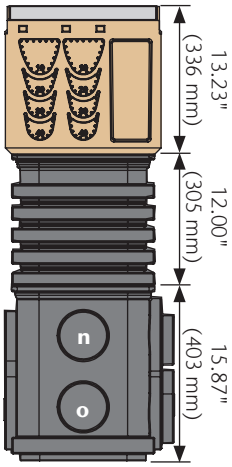
Catch Basin Dimensions & Outlet Flow Rates (cont.)

K1-631G/S Catch Basin









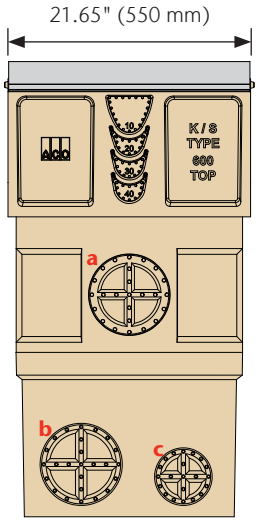
Catch Basin Outlet	Size (SCH 40)	Invert in	GPM	CFS
a	6"	32.62	667	1.49
b	4"	32.07	299	0.67
c	6"	39.76	743	1.65
d	4"	39.19	332	0.74
e	8"	39.76	1302	2.90
f	6"	39.19	737	1.64

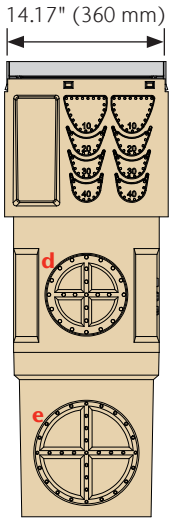
Catch Basin Outlet	Size (SCH 40)	Invert in	GPM	CFS
g	4"	31.15	294	0.65
h	6"	38.28	728	1.62
i	4"	37.86	326	0.73

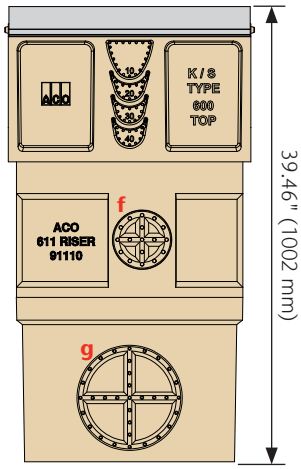
Catch Basin Outlet	Size (SCH 40)	Invert in	GPM	CFS
j	4"	33.29	305	0.68
k	4"	39.79	335	0.75
l	4"	31.72	297	0.66
m	6"	39.79	743	1.66

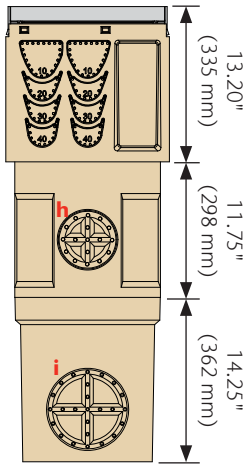
Catch Basin Outlet	Size (SCH 40)	Invert in	GPM	CFS
n	4"	31.84	297	0.66
o	4"	38.34	328	0.73

K1-632G/S Catch Basin









Catch Basin Outlet	Size (SCH 40)	Invert in	GPM	CFS
a	6"	23.20	550	1.27
b	6"	37.90	723	1.66
c	4"	37.96	326	0.75

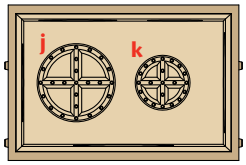
Catch Basin Outlet	Size (SCH 40)	Invert in	GPM	CFS
d	6"	23.20	551	1.27
e	8"	37.90	1267	2.91

Catch Basin Outlet	Size (SCH 40)	Invert in	GPM	CFS
f	4"	22.20	245	0.56
g	8"	37.90	1267	2.91

Catch Basin Outlet	Size (SCH 40)	Invert in	GPM	CFS
h	4"	22.20	245	0.56
i	6"	37.90	723	1.66

Note: These are pipe flow rates at specified outlets, NOT channel flow rates. Catch basin flow rates are listed without a trash bucket—using a trash bucket reduces flow.

Underside



Catch Basin Outlet	Size (SCH 40)	Invert in	GPM	CFS
j	6"	39.45	769	1.77
k	4"	39.45	342	0.79

MADAME TUSSAUDS
Hollywood, CA
United States

Madame Tussauds Hollywood is a wax museum and tourist attraction located on Hollywood Boulevard in Hollywood, California. It is the ninth location for the Tussauds franchise, which was set up by sculptor Marie Tussaud. KlassikDrain KS100 and Type 447 stainless steel longitudinal grates were used to stop stormwater from running into both Madame Tussauds and onto the Walk of Fame where over 10 million tourists visit each year.

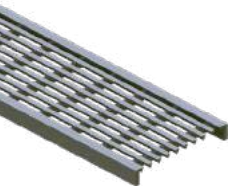
PORTFOLIO

K100/KS100 Grates - DrainLok

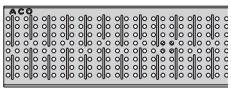
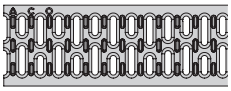
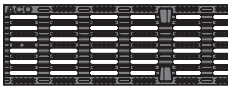
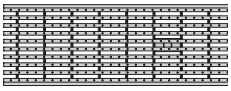
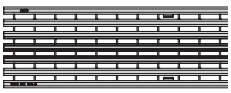
KEY

- **ADA Compliant** — Compliant with Americans with Disabilities Act of 2010, Section 302.3 (page 174)
- **Heel-Resistant** — ASME A112.6.3 - 2001 Heel-resistant slot width less than 0.31" (8 mm) (page 174)
- **Heel-Safe** — Heel-safe slot width equal or less than 0.25" (6.5 mm) (page 174)
- **Slip-Resistant Grates** — BPN over 24 (page 174)
- **Bicycle-Safe** — Compliant to Australian Standard AS 3996 - 2006 (page 174)
- **Non-Metallic** — No metallic/magnetic parts included (page 170)

For details on how psi is determined, see pages 161-166.



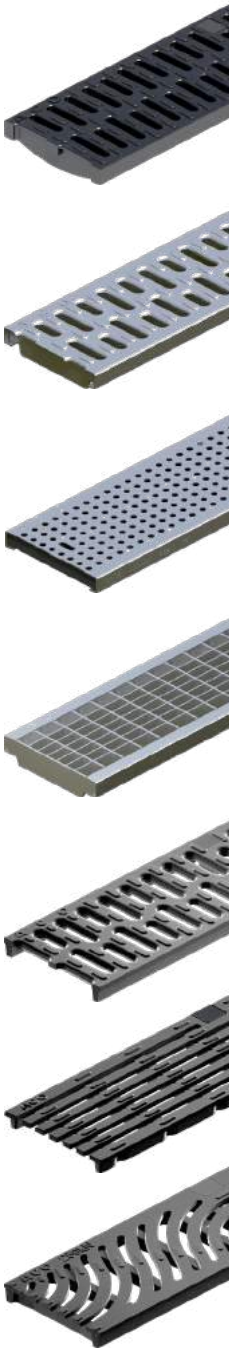
	Part No.	Length in (m)	Slot Size in	Intake Area in²	Weight lbs					
LOAD CLASS A (EN 1433 - 15 KN) - 3,372 LBS - 70 PSI (PEDESTRIAN TRAFFIC)										
PERFORATED STEEL										
Type 410D - Galvanized	**12666**	39.37 (1.0)		28.3	6.3	×				
Type 412D - Galvanized	**12667**	19.69 (0.5)		14.1	3.2	×				
			Ø 0.25				✓	✓	✓	✓
Type 451D - Stainless[1]	**12664**	39.37 (1.0)		28.3	6.3	✓				
Type 453D - Stainless[1]	**12665**	19.69 (0.5)		14.1	3.2	✓				
SLOTTED STEEL										
Type 420D - Galvanized	**12610**	39.37 (1.0)		35.2	5.9					
Type 421D - Galvanized	**12611**	19.69 (0.5)		17.6	3.0					
			0.38 x 1.46 avg.			✓	×	×	×	✓
Type 450D - Stainless[1]	**12640**	39.37 (1.0)		35.2	5.9					
Type 452D - Stainless[1]	**12641**	19.69 (0.5)		17.6	3.0					
LONGITUDINAL PLASTIC[2]										
Type 494D - Black	**99575**	19.69 (0.5)		27.4	1.8					
Type 495D - Gray	**99576**	19.69 (0.5)	1.76 x 0.34	27.4	1.8	✓	✓	×	×	✓
Type 496D - Tan	**99577**	19.69 (0.5)		27.4	1.8					
LOAD CLASS B (EN 1433 - 125 KN) - 28,101 LBS - 580 PSI (LIGHT DUTY TRAFFIC)										
LONGITUDINAL STEEL (STAINLESS)[1]										
Type 447D - Stainless	**142215**	39.37 (1.0)	1.61 x 0.24	93.7	8.0	✓	✓	✓	✓	✓
Type 448D - Stainless	**142216**	19.69 (0.5)		46.9	4.0					
LONGITUDINAL STEEL (GALVANIZED)										
Type 438D - Galvanized	**132555**	39.37 (1.0)	1.15 x 0.3	66.0	8.0	✓	✓	✓	×	✓
Type 437D - Galvanized	**132550**	19.69 (0.5)		33.0	4.0					

Notes
1. *Grade 304 stainless steel*
2. *Polypropylene material*
3. *Ductile iron to ASTM A536 Grade 65-45-12*
4. *Ductile iron to ASTM A536 Grade 80-55-06*

K100/KS100 Grates - DrainLok (cont.)

	Part No.	Length in (m)	Slot Size in	Intake Area in²	Weight lbs					
LOAD CLASS C (EN 1433 - 250 KN) - 56,202 LBS - 1,160 PSI (COMMERCIAL VEHICLE TRAFFIC)										
SLOTTED PLASTIC[2]										
Type 492D - Microgrip Black	**132720**	19.69 (0.5)	0.3 x 1.69 avg.	22.2	2.2	✓	×	✓	×	✓
SLOTTED STEEL										
Type 425D - Galvanized	**12614**	39.37 (1.0)	0.38 x 1.46 avg.	35.2	10.0	✓	×	×	×	✓
Type 426D - Galvanized	**12615**	19.69 (0.5)		17.6	5.0					
Type 455D - Stainless[1]	**12644**	39.37 (1.0)		35.2	10.0					
Type 457D - Stainless[1]	**12645**	19.69 (0.5)		17.6	5.0					
PERFORATED STEEL										
Type 411D - Galvanized	**12656**	39.37 (1.0)	Ø 0.25	28.3	10.0	×	✓	✓	✓	✓
Type 413D - Galvanized	**12657**	19.69 (0.5)		14.1	5.0	×				
Type 465D - Stainless[1]	**12654**	39.37 (1.0)		28.3	10.0	✓				
Type 466D - Stainless[1]	**12655**	19.69 (0.5)		14.1	5.0	✓				
MESH STEEL										
Type 405D - Galvanized	**132880**	39.37 (1.0)	1.20 x 0.50	121.1	9.1	✓	✓	×	×	✓
Type 406D - Galvanized	**132881**	19.69 (0.5)		58.0	4.6					
Type 430D - Stainless[1]	**132882**	39.37 (1.0)		121.1	9.2					
Type 431D - Stainless[1]	**132883**	19.69 (0.5)		58.0	4.6					
SLOTTED IRON[3]										
Type 460D - Iron	**12670**	19.69 (0.5)	0.47 x 1.58 avg.	28.3	8.0	✓	✓	×	×	✓
LONGITUDINAL IRON[4]										
Type 476D - Iron	**142171**	19.69 (0.5)	2.1 x 0.24	22.6	8.4	✓	✓	✓	✓	✓
WAVE IRON[4]										
Type 480D - Iron	**99578**	19.69 (0.5)	0.27 x 2.4 avg.	27.0	8.0	✓	✓	✓	×	✓



DRAINLOK - BOLTLESS & BARLESS LOCKING SYSTEM

Factory-fitted locking device removes need for bolts and bars and improves channel hydraulic capacity. The DrainLok mechanism clips into channel edge rail for rapid installation. DrainLok grates are fit with an anti-shunt mechanism that restricts unwanted grate movement when installed, improving durability and longevity of the system.

1

2

Fit grate

Position grate onto channel and align anti-shunt detail with recess in rail.

Push down or stand on grate until it clicks into position.

3

Grate removal

To remove first grate, insert grate removal tool into slots at end of grate, pull up sharply. Remaining grates can be removed by hand.

K100/KS100 Grates - QuickLok®

KEY

ADA Compliant
Compliant with Americans with Disabilities Act of 2010, Section 302.3 (page 174)

Heel-Resistant
ASME A112.6.3 - 2001 Heel-resistant slot width less than 0.31" (8 mm) (page 174)

Heel-Safe
Heel-safe slot width equal or less than 0.25" (6.5 mm) (page 174)

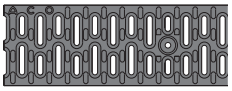
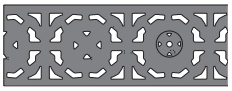
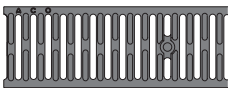
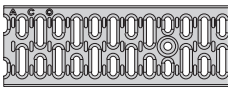
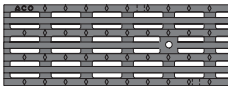
Slip-Resistant Grates
BPN over 24 (page 174)

Bicycle-Safe
Compliant to Australian Standard AS 3996 - 2006 (page 174)

Non-Metallic
No metallic/magnetic parts included (page 170)

For details on how psi is determined, see pages 161-166.

	Part No.	Length in (m)	Slot Size in	Intake Area in²	Weight lbs					
LOAD CLASS C (EN 1433 - 250 KN) - 56,202 LBS - 1,160 PSI (COMMERCIAL VEHICLE TRAFFIC)										
SLOTTED PLASTIC[2]										
Type 492Q - Black	**31710**	19.69 (0.5)	0.3 x 1.69 avg.	22.2	3.5	✓	✗	✓	✗	✓
MOSAIC IRON[4]										
Type 479Q - Iron	**97116**	19.69 (0.5)	0.43 avg.	13.0	9.6	✓	✓	✗	✗	✓
LOAD CLASS E (EN 1433 - 600 KN) - 134,885 LBS - 2,785 PSI (INDUSTRIAL TRAFFIC)										
SLOTTED IRON[4]										
Type 461Q - Iron	**96752**	19.69 (0.5)	0.40 x 3.93	34.1	10.2	✓	✗	✗	✗	✓
SLOTTED STEEL										
Type 435Q - Galvanized	**31550**	39.37 (1.0)	0.38 x 1.46 avg.	35.2	13.7	✓	✗	✗	✗	✓
Type 436Q - Galvanized	**31551**	19.69 (0.5)		17.6	6.8					
Type 490Q - Stainless[1]	**31650**	39.37 (1.0)		35.2	13.7					
Type 493Q - Stainless[1]	**31651**	19.69 (0.5)		17.6	6.8					
LONGITUDINAL IRON[4]										
Type 478Q - Iron	**03314**	19.69 (0.5)	1.77 x 0.27	22.5	13.3	✓	✓	✓	✗	✓

Notes
1. Grade 304 stainless steel 2. Polypropylene material 3. Ductile iron to ASTM A536 Grade 65-45-12 4. Ductile iron to ASTM A536 Grade 80-55-06

QUICKLOK® - BOLTLESS LOCKING SYSTEM

1

2

Fit locking bar

Locate locking bar in channel wall recesses by rotating clockwise.

Use hammer to tap bar into place, so that serrated ends grip in recess.

3

4

Fit grate

To install grate, align QuickLok® stud directly over locking bar.

Push down or stand on grate until it clicks into position.

5

6

Remove grate

To remove first grate, insert grate removal tool into slots at end of grate, pull up sharply. Remaining grates can be removed by hand.

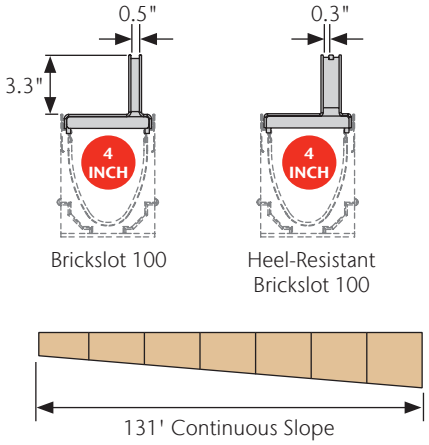
To remove bar, insert screwdriver into hole at end of bar and lever back serrated end, rotate bar free.

K100/KS100 Grates - Brickslot Tops

	Part No.	Length in (m)	Slot Size in	Intake Area in²	Weight lbs					
LOAD CLASS C (EN 1433 - 250 KN) - 56,202 LBS - 1,160 PSI (COMMERCIAL VEHICLE TRAFFIC)										
BRICKSLOT 100 STEEL										
Type 441 - Galvanized	**138040**	39.37 (1.0)	39.4 x 0.47	18.6	17.6	-	✓	×	×	✓
Type 442 - Galvanized	**138041**	19.69 (0.5)	19.7 x 0.47	9.3	9.0					
Type 443 - Stainless[1]	**138045**	39.37 (1.0)	39.4 x 0.47	18.6	17.6					
Type 444 - Stainless[1]	**138046**	19.69 (0.5)	19.7 x 0.47	9.3	9.0					
HEEL-RESISTANT BRICKSLOT 100 STEEL										
Type 470 - Galvanized	**138050**	39.37 (1.0)	39.4 x 0.30	24.8	18.0	-	✓	✓	×	✓
Type 471 - Galvanized	**138051**	19.69 (0.5)	19.7 x 0.30	12.4	9.2					
Type 472 - Stainless[1]	**138055**	39.37 (1.0)	39.4 x 0.30	24.8	18.0					
Type 473 - Stainless[1]	**138056**	19.69 (0.5)	19.7 x 0.30	12.4	9.2					

Brickslot 100

Discreet Slot & 4" Internal Width Drainage Channel



Brickslot is a discreet, galvanized steel drainage solution for use with 3.125" or less brick or stone pavers. The slots blend in with the paving joints giving an aesthetic solution.

Brickslot 100 offers a single offset slot, or a twin heel-resistant slot option.

Stainless steel Brickslot is the same system, but is manufactured entirely in grade 304 stainless steel. Stainless steel Brickslot should be used where increased aesthetics are desired, or where increased corrosion resistance is required.

Typical Applications:

- Pedestrian plazas
- Aesthetic areas
- Paved areas
- Sidewalks

BRICKSLOT 100 SELECTION CRITERIA

A ▶▶▶▶ C	Light to medium duty loads
	Product can be used towards LEED & EPA requirements
	Resistant to many everyday chemicals
	Multiple grate options to meet legal requirements
	General, everyday hydraulic capacity
	Constant depth and/or sloped depth channels

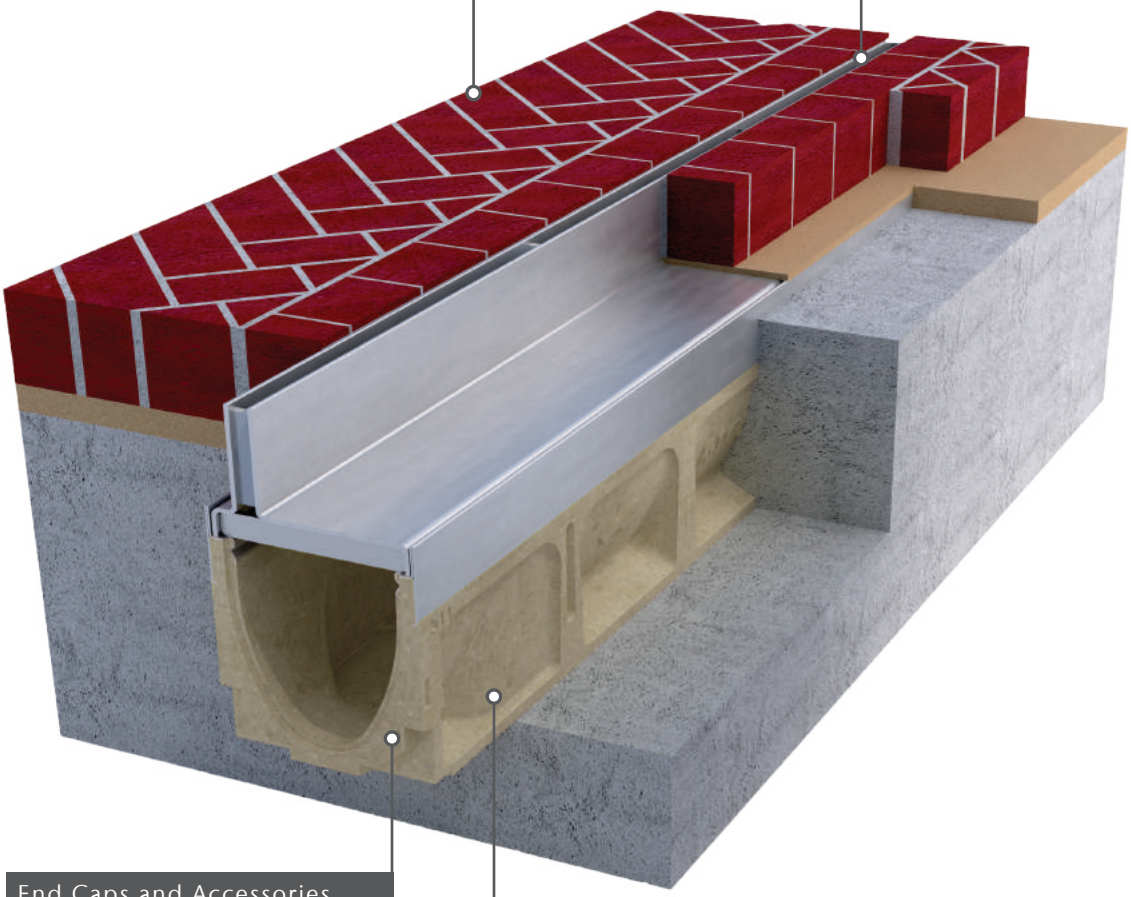
Brickslot 100 Features

Brick Pavers

Fit directly against slot. For light duty pedestrian applications, pavers can be set on sand; for heavier duty projects, pavers should be set on concrete. Maximum paver depth (allowing for 0.25" (6 mm) bedding material): 3.125" (80 mm).

0.5" (12 mm) Slot

Easy-to-clean, smooth slots allow continuous water flow into the channel. Offset, heel-resistant, double 0.31" (8 mm) flared slot opening to 1" (25 mm) throat for increased drainage capacity.



End Caps and Accessories

Available from the K100 range.
See page 28 for details.

Used with K100 Channel

Brickslot fits directly into K100 channel grate recess. Half meter sections are available. Half meter access units provide access to channel or catch basin for maintenance.
See page 28 for details.

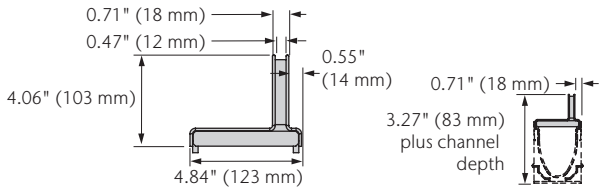
Brickslot 100 Parts

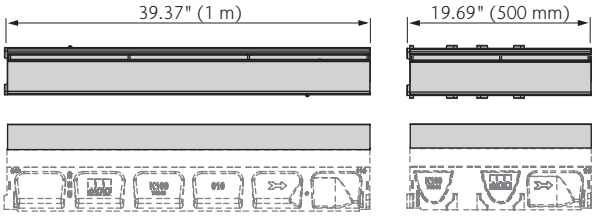
	Part No.		Overall Depth	Weight			
	Galvanized	Stainless	in (mm)	lbs			
Type 441/443 - Brickslot 100 - 39.37" (1 m)	**138040**	**138045**	4.06 (103)	17.6	✓	×	✓
Type 442/444 - Brickslot 100 - 19.69" (0.5 m)	**138041**	**138046**	4.06 (103)	9.0	✓	×	✓
Type 482/484 - Brickslot 100 - Access Unit - 19.69" (0.5 m) [3]	**138042**	**138047**	4.06 (103)	16.4	✓	×	✓
Type 470/472 - Heel-Resistant Brickslot 100 - 39.37" (1 m)	**138050**	**138055**	4.06 (103)	18.0	✓	✓	✓
Type 471/473 - Heel-Resistant Brickslot 100 - 19.69" (0.5 m)	**138051**	**138056**	4.06 (103)	9.2	✓	✓	✓
Type 483/485 - Heel-Resistant Brickslot 100 Access Unit - 19.69" (0.5 m) [3]	**138152**	**138057**	4.06 (103)	11.0	✓	✓	✓
Grate Removal Tool [4]	**01318**		-	0.3	-	-	-

Notes

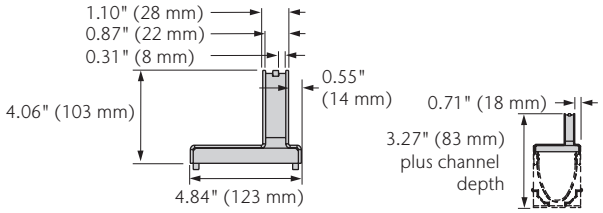
1. For K100 channels and K1-900 catch basin information pages 28–29.
2. Brickslot can also be used with SlabDrain HK channels - see page 135.
3. Access unit can be used on channels or catch basins - for details please refer to separate Spec Info sheets.
4. Only access cover can be removed once Brickslot has been installed.
5. For custom slot widths, heights or materials (e.g. 316L stainless steel), ask us about our Aquaduct product line.

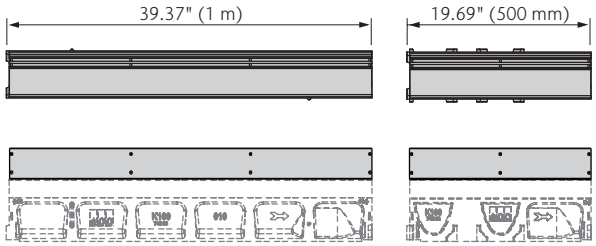
Brickslot 100



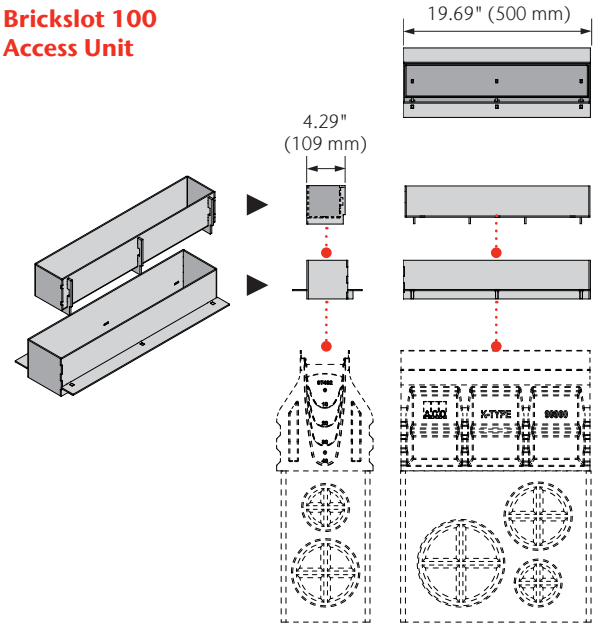


Heel-Resistant Brickslot 100

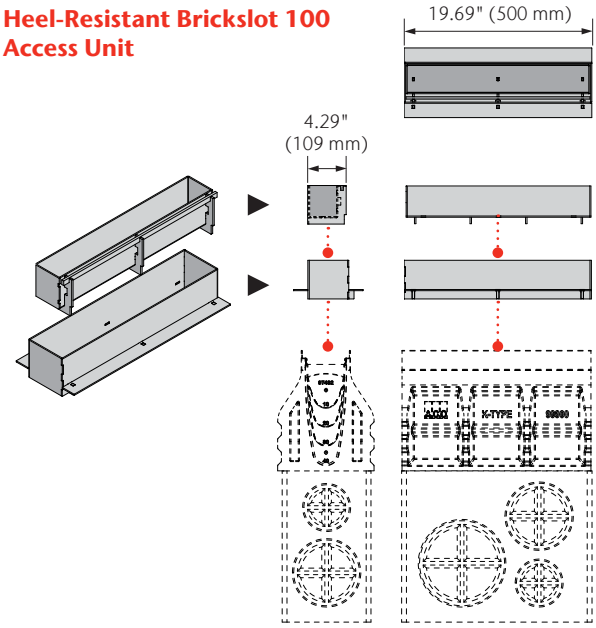




Brickslot 100 Access Unit

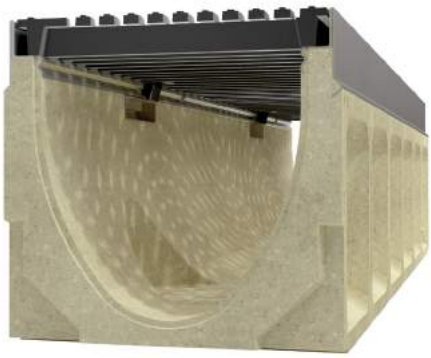


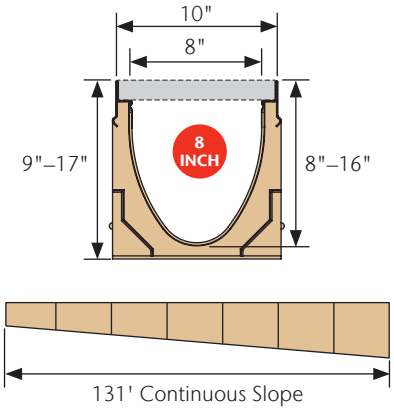
Heel-Resistant Brickslot 100 Access Unit



KlassikDrain K200/KS200

8" Internal Width General Purpose System





K200 is an 8" wide system with galvanized steel edge rail and wide choice of grates in different materials and slot styles up to Load Class E (60 ton) featuring either patented DrainLok or QuickLok® boltless locking systems.

KS200 is the same system, but the edge rail is grade 304 stainless steel. KS200 should be used where increased aesthetics are required, or where increased corrosion resistance is required.

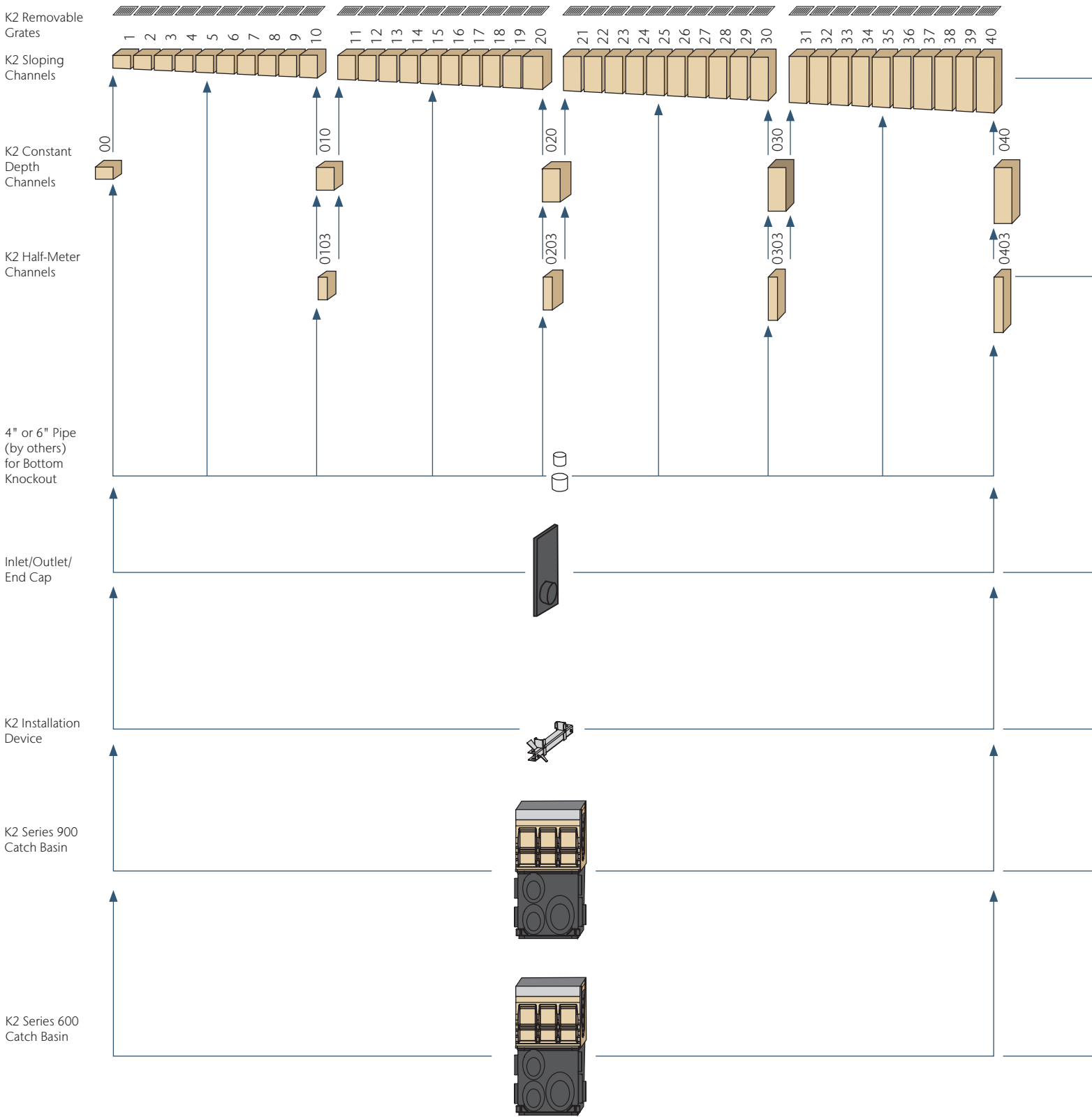
Typical Applications:

- Parking lots & garages
- Shopping malls
- Pedestrian areas
- Light industrial areas
- Commercial areas
- Internal applications

KLASSIKDRAIN K200/KS200 SELECTION CRITERIA

A ▶▶▶▶ E	Light to industrial duty loads
	Product can be used towards LEED & EPA requirements
	Resistant to many everyday chemicals
	Multiple grate options to meet legal requirements
SAFE	Multiple grate options to meet design requirements
	Increased hydraulic capacity
	Constant depth and/or sloped depth channels

K200/KS200 System Layout



Note: K2 Universal Inlet/Outlet/End Cap, Installation Devices and Catch Basins can be placed at either end of any channel within the system.

K2 Meter Channels - Sloping & Constant Depth

0.5% sloped channels in meter lengths and 40 depths which connect to create 40 meter (131'-2") continuously sloping run. Available with either galvanized or stainless steel edge rail.

Constant depth channels available in 5 depths. Can be used to create non-sloped runs, or inserted in sloped runs to increase length.

Bottom knockouts on all constant depths and 5, 10, 15, 20, 25, 30, 35, 40 channels.

K2 Half-meter Channels

Constant depth channels in 4 depths supplement meter channels. Side knockout and profiling enable side junction to be created. Bottom knockouts on all half meter channels. Available with either galvanized or stainless steel edge rail.

K2 Universal Inlet/Outlet/End Cap

Fits all channels and manufactured from ABS plastic to complement edge rail. Guides aid cutting to correct height. Wings clip cap onto end of channel. 4" and 6" bell end connection to SCH 40 pipe. Seal using PVC-ABS cement.
Note: ACO recommends removal of unused sections of bell end to ensure adequate pavement material coverage.

K2 Installation Device

Fits molded recesses on body of channel. Provides height and joint alignment - a sliding clamp locks the two channels together. Bolt to rebar on either side of channel to hold channels in place during concrete pour. Not reusable; it is encased within concrete pour.

K2 Series 900 In-Line Catch Basins

Two-part in-line catch basin with either a plastic base with 4", 6" and 8" drill-outs for pipe connection or a polymer concrete base. Supplied with plastic trash bucket. Options include an in-line or side foul air trap. Available with either galvanized or stainless steel edge rail.

Any channel can be connected into the catch basin by removing the end wall to the correct height with a box cutter. Cut-out guides provided for connection to channels 00, 010, 020, 030 and 040. All cut-outs to receive male channel ends. One blanking end plate supplied with in-line catch basin.

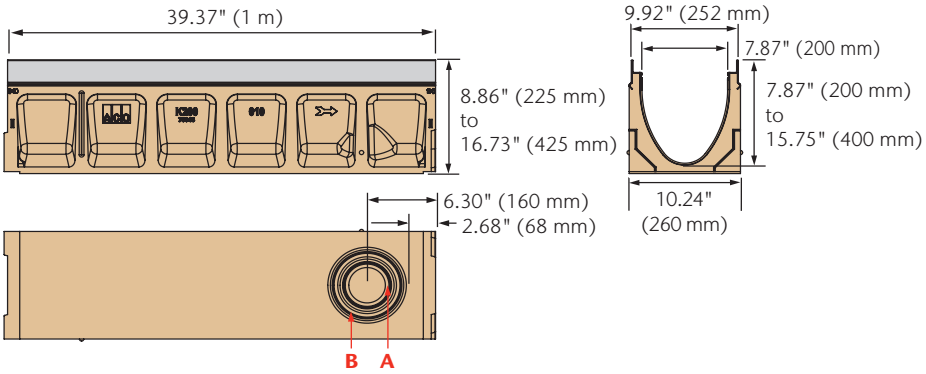
K2 Series 600 Catch Basins

Two-part in-line catch basin with either a plastic base with 4", 6" and 8" drill-outs for pipe connection or a polymer concrete base. Supplied with plastic trash bucket. Available with either galvanized or stainless steel edge rail.

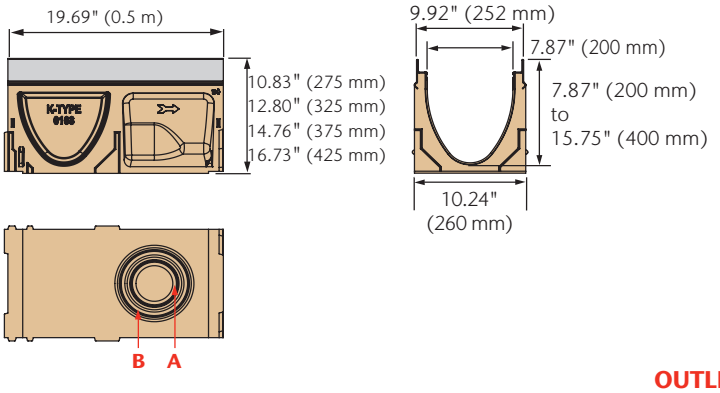
Any channel can be connected to catch basin by removing end/side wall to correct height. Drill-outs guide connection to channels 00, 010, 020, 030 and 040. All cut-outs to receive male channel ends. Blanking kits included to stop concrete ingress during final pour.

Dimensions & Outlet Flow Rates

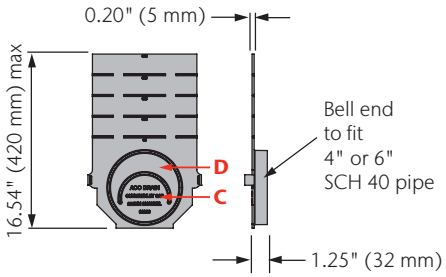
K2 Meter Channels



K2 Half-Meter Channels



K2 Universal Inlet/Outlet/End Cap

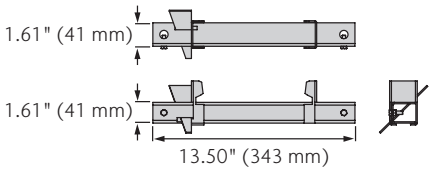


OUTLET FLOW RATES

Channel Outlet	Channel	Size (SCH 40)	Invert in	GPM	CFS
A	K2-00	4" round	7.87	153	0.34
	K2-40	4" round	15.75	216	0.48
B	K2-00	6" round	7.87	344	0.77
	K2-40	6" round	15.75	486	1.08
C	K2-20	4" round	7.87	132	0.29
	K2-40	4" round	15.75	202	0.45
D	K2-30	6" round	9.84	320	0.71
	K2-40	6" round	15.75	437	0.97

Note: These are pipe flow rates at specified outlet, NOT channel flow rates.

K2 Installation Device



K200/KS200 Parts

	Part No.		Invert Depth				Overall Depth				Volume	Weight
	K200	KS200	in		mm		in		mm		gal	lbs
			female	male	female	male	female	male	female	male		
K2-00 Constant Depth Channel - 39.37" (1 m)*	**75041**	**75441**	**7.87**	**7.87**	**200**	**200**	**8.86**	**8.86**	**225**	**225**	**7.54**	**83.6**
K2-1 Sloped Channel - 39.37" (1 m)	**75001**	**75401**	7.87	8.07	200	205	8.86	9.06	225	230	7.94	83.6
K2-2 Sloped Channel - 39.37" (1 m)	**75002**	**75402**	8.07	8.27	205	210	9.06	9.25	230	235	8.13	84.7
K2-3 Sloped Channel - 39.37" (1 m)	**75003**	**75403**	8.27	8.46	210	215	9.25	9.45	235	240	8.33	85.8
K2-4 Sloped Channel - 39.37" (1 m)	**75004**	**75404**	8.46	8.66	215	220	9.45	9.65	240	245	8.53	86.9
K2-5 Sloped Channel - 39.37" (1 m)*	**75005**	**75405**	8.66	8.86	220	225	9.65	9.84	245	250	8.74	88.0
K2-6 Sloped Channel - 39.37" (1 m)	**75006**	**75406**	8.86	9.06	225	230	9.84	10.04	250	255	8.95	89.1
K2-7 Sloped Channel - 39.37" (1 m)	**75007**	**75407**	9.06	9.25	230	235	10.04	10.24	255	260	9.16	90.2
K2-8 Sloped Channel - 39.37" (1 m)	**75008**	**75408**	9.25	9.45	235	240	10.24	10.43	260	265	9.37	91.3
K2-9 Sloped Channel - 39.37" (1 m)	**75009**	**75409**	9.45	9.65	240	245	10.43	10.63	265	270	9.58	92.4
K2-10 Sloped Channel - 39.37" (1 m)*	**75010**	**75410**	9.65	9.84	245	250	10.63	10.83	270	275	9.79	93.5
K2-010 Constant Depth Channel - 39.37" (1 m)*	**75043**	**75443**	**9.84**	**9.84**	**250**	**250**	**10.83**	**10.83**	**275**	**275**	**9.59**	**93.5**
K2-0103 Constant Depth Channel - 19.69" (0.5 m)*	**75044**	**75444**	**9.84**	**9.84**	**250**	**250**	**10.83**	**10.83**	**275**	**275**	**4.80**	**56.0**
K2-11 Sloped Channel - 39.37" (1 m)	**75011**	**75411**	9.84	10.04	250	255	10.83	11.02	275	280	10.01	94.6
K2-12 Sloped Channel - 39.37" (1 m)	**75012**	**75412**	10.04	10.24	255	260	11.02	11.22	280	285	10.22	95.7
K2-13 Sloped Channel - 39.37" (1 m)	**75013**	**75413**	10.24	10.43	260	265	11.22	11.42	285	290	10.44	96.8
K2-14 Sloped Channel - 39.37" (1 m)	**75014**	**75414**	10.43	10.63	265	270	11.42	11.61	290	295	10.66	97.9
K2-15 Sloped Channel - 39.37" (1 m)*	**75015**	**75415**	10.63	10.83	270	275	11.61	11.81	295	300	10.88	99.0
K2-16 Sloped Channel - 39.37" (1 m)	**75016**	**75416**	10.83	11.02	275	280	11.81	12.01	300	305	11.10	100.1
K2-17 Sloped Channel - 39.37" (1 m)	**75017**	**75417**	11.02	11.22	280	285	12.01	12.20	305	310	11.32	101.2
K2-18 Sloped Channel - 39.37" (1 m)	**75018**	**75418**	11.22	11.42	285	290	12.20	12.40	310	315	11.54	102.3
K2-19 Sloped Channel - 39.37" (1 m)	**75019**	**75419**	11.42	11.61	290	295	12.40	12.60	315	320	11.76	103.4
K2-20 Sloped Channel - 39.37" (1 m)*	**75020**	**75420**	11.61	11.81	295	300	12.60	12.80	320	325	11.98	104.5
K2-020 Constant Depth Channel - 39.37" (1 m)*	**75045**	**75445**	**11.81**	**11.81**	**300**	**300**	**12.80**	**12.80**	**325**	**325**	**11.78**	**104.5**
K2-0203 Constant Depth Channel - 19.69" (0.5 m)*	**75046**	**75446**	**11.81**	**11.81**	**300**	**300**	**12.80**	**12.80**	**325**	**325**	**5.89**	**64.0**
K2-21 Sloped Channel - 39.37" (1 m)	**75021**	**75421**	11.81	12.01	300	305	12.80	12.99	325	330	12.21	105.6
K2-22 Sloped Channel - 39.37" (1 m)	**75022**	**75422**	12.01	12.20	305	310	12.99	13.19	330	335	12.42	106.7
K2-23 Sloped Channel - 39.37" (1 m)	**75023**	**75423**	12.20	12.40	310	315	13.19	13.39	335	340	12.65	107.8
K2-24 Sloped Channel - 39.37" (1 m)	**75024**	**75424**	12.40	12.60	315	320	13.39	13.58	340	345	12.87	108.9
K2-25 Sloped Channel - 39.37" (1 m)*	**75025**	**75425**	12.60	12.80	320	325	13.58	13.78	345	350	13.10	110.0
K2-26 Sloped Channel - 39.37" (1 m)	**75026**	**75426**	12.80	12.99	325	330	13.78	13.98	350	355	13.32	111.1
K2-27 Sloped Channel - 39.37" (1 m)	**75027**	**75427**	12.99	13.19	330	335	13.98	14.17	355	360	13.56	112.2
K2-28 Sloped Channel - 39.37" (1 m)	**75028**	**75428**	13.19	13.39	335	340	14.17	14.37	360	365	13.77	113.3
K2-29 Sloped Channel - 39.37" (1 m)	**75029**	**75429**	13.39	13.58	340	345	14.37	14.57	365	370	13.99	114.4
K2-30 Sloped Channel - 39.37" (1 m)*	**75030**	**75430**	13.58	13.78	345	350	14.57	14.76	370	375	14.22	115.5
K2-030 Constant Depth Channel - 39.37" (1 m)*	**75047**	**75447**	**13.78**	**13.78**	**350**	**350**	**14.76**	**14.76**	**375**	**375**	**14.01**	**115.5**
K2-0303 Constant Depth Channel - 19.69" (0.5 m)*	**75048**	**75448**	**13.78**	**13.78**	**350**	**350**	**14.76**	**14.76**	**375**	**375**	**7.05**	**68.0**
K2-31 Sloped Channel - 39.37" (1 m)	**75031**	**75431**	13.78	13.98	350	355	14.76	14.96	375	380	14.44	116.6
K2-32 Sloped Channel - 39.37" (1 m)	**75032**	**75432**	13.98	14.17	355	360	14.96	15.16	380	385	14.67	117.7
K2-33 Sloped Channel - 39.37" (1 m)	**75033**	**75433**	14.17	14.37	360	365	15.16	15.35	385	390	14.89	118.8
K2-34 Sloped Channel - 39.37" (1 m)	**75034**	**75434**	14.37	14.57	365	370	15.35	15.55	390	395	15.11	119.9
K2-35 Sloped Channel - 39.37" (1 m)*	**75035**	**75435**	14.57	14.76	370	375	15.55	15.75	395	400	15.34	121.0
K2-36 Sloped Channel - 39.37" (1 m)	**75036**	**75436**	14.76	14.96	375	380	15.75	15.94	400	405	15.56	122.1
K2-37 Sloped Channel - 39.37" (1 m)	**75037**	**75437**	14.96	15.16	380	385	15.94	16.14	405	410	15.78	123.2
K2-38 Sloped Channel - 39.37" (1 m)	**75038**	**75438**	15.16	15.35	385	390	16.14	16.34	410	415	16.02	124.3
K2-39 Sloped Channel - 39.37" (1 m)	**75039**	**75439**	15.35	15.55	390	395	16.34	16.54	415	420	16.23	125.4
K2-40 Sloped Channel - 39.37" (1 m)*	**75040**	**75440**	15.55	15.75	395	400	16.54	16.73	420	425	16.46	126.5
K2-040 Constant Depth Channel - 39.37" (1 m)*	**75049**	**75449**	**15.75**	**15.75**	**400**	**400**	**16.73**	**16.73**	**425**	**425**	**16.27**	**126.5**
K2-0403 Constant Depth Channel - 19.69" (0.5 m)*	**75050**	**75450**	**15.75**	**15.75**	**400**	**400**	**16.73**	**16.73**	**425**	**425**	**8.14**	**77.0**
K2 Universal Inlet/Outlet/End Cap	**96821**		15.75	15.75	400	400	16.54	16.54	420	420	-	1.4
K2 Debris Strainer for 4" Bottom Knockout[3]	**93488**		-	-	-	-	-	-	-	-	-	0.2
K2 Installation Device	**97478**		-	-	-	-	-	-	-	-	-	4.0
Grate Removal Tool	**01318**		-	-	-	-	-	-	-	-	-	0.3
K2 QuickLok® Locking Bar	**10457**		-	-	-	-	-	-	-	-	-	0.5

Notes:
1. K200 has a galvanized steel edge rail for general use. KS200 has a grade 304 stainless steel edge rail for use where increased aesthetics or corrosion resistance is required.
2. KlassikDrain is sold as channel only. Choose appropriate grate from pages 55–56.
3. Debris strainer details for 4" dia. outlet on page 138.
4. See Catch Basin Parts List on page 49.
**This channel features 4" & 6" bottom knockouts.*

Catch Basin Assemblies & Part Details

Polymer concrete catch basins can be used as standalone area drains or as the outlet to a trench run. They provide the highest hydraulic output and allow access to the pipe system for maintenance.

Series 900 catch basins are **in-line catch basins** (same width and visually indistinguishable from the trench run) while Series 600 catch basins are 12" wide, providing greater hydraulic output.

CATCH BASIN LOAD STRENGTH

Catch basins with plastic risers/bases should be used in load classes A–D. For heavy duty applications, ACO recommends using polymer concrete risers and catch basins for load class E/F applications.

K200/KS200 Catch Basin Parts

	Part No.		Volume*	Weight
	K200	**KS200**	gal	lbs
K2-902 In-Line Catch Basin w/ Plastic Base	**94611**	**94612**	18.1	68.0
K2-906 In-Line Catch Basin w/ Polymer Concrete Base	**97937**	**97938**	17.5	137.1
K2-621 Catch Basin w/ Plastic Base	**94620**	**94621**	24.9	91.0
K2-622 Catch Basin w/ Polymer Concrete Base	**97917**	**97918**	25.1	169.7
K2-631 Catch Basin w/ Plastic Riser & Base	**94633**	**94634**	34.7	101.0
K2-632 Catch Basin w/ Polymer Concrete Riser & Base	**97927**	**97928**	34.0	215.2
Series 600 Plastic Riser	**99902**		9.8	10.0
Series 611 Polymer Concrete Riser	**91110**		8.9	45.0
Foul Air Trap (fits all plastic basins)	**90854**		-	1.2

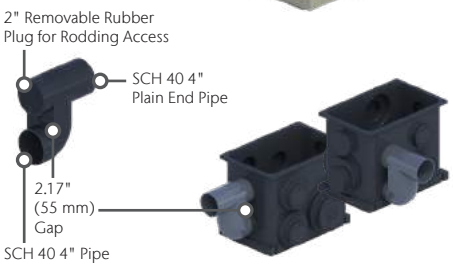
**Volume is up to grate seat and without trash bucket.*

BLANKING END PLATES

Blanking plates are supplied with catch basin tops to stop concrete ingress at end of drain run. The plate is fitted by pushing it over the polymer concrete end bar to fit flush with side rails.

FOUL AIR TRAP

A plastic foul air trap that fits into the front or side of plastic in-line catch basins. A coupler is required to connect SCH 40 4" plain end pipe to underground pipe system.

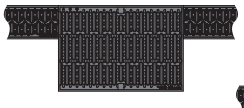


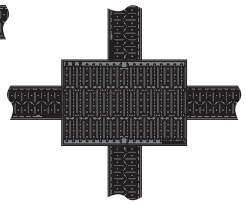
CATCH BASIN CHANNEL CONNECTION

Channels can be connected to catch basin on all four sides in a variety of configurations.

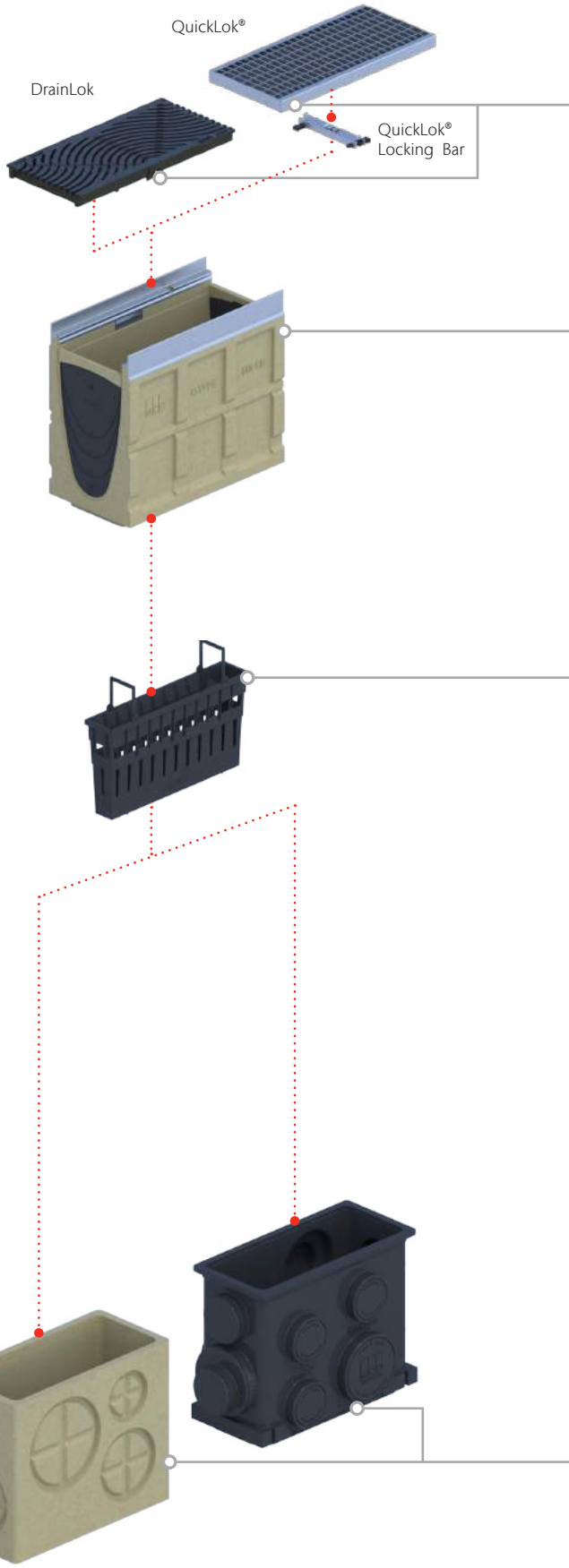
Series 900

Series 600





K2 SERIES 900 8" WIDE IN-LINE CATCH BASINS



K2 SERIES 600 12" WIDE CATCH BASINS

Series 600 Grates - choice of grates to match/complement channel with DrainLok or QuickLok® boltless locking. See page 77–78. All catch basin assemblies will include one QuickLok® Locking Bar.

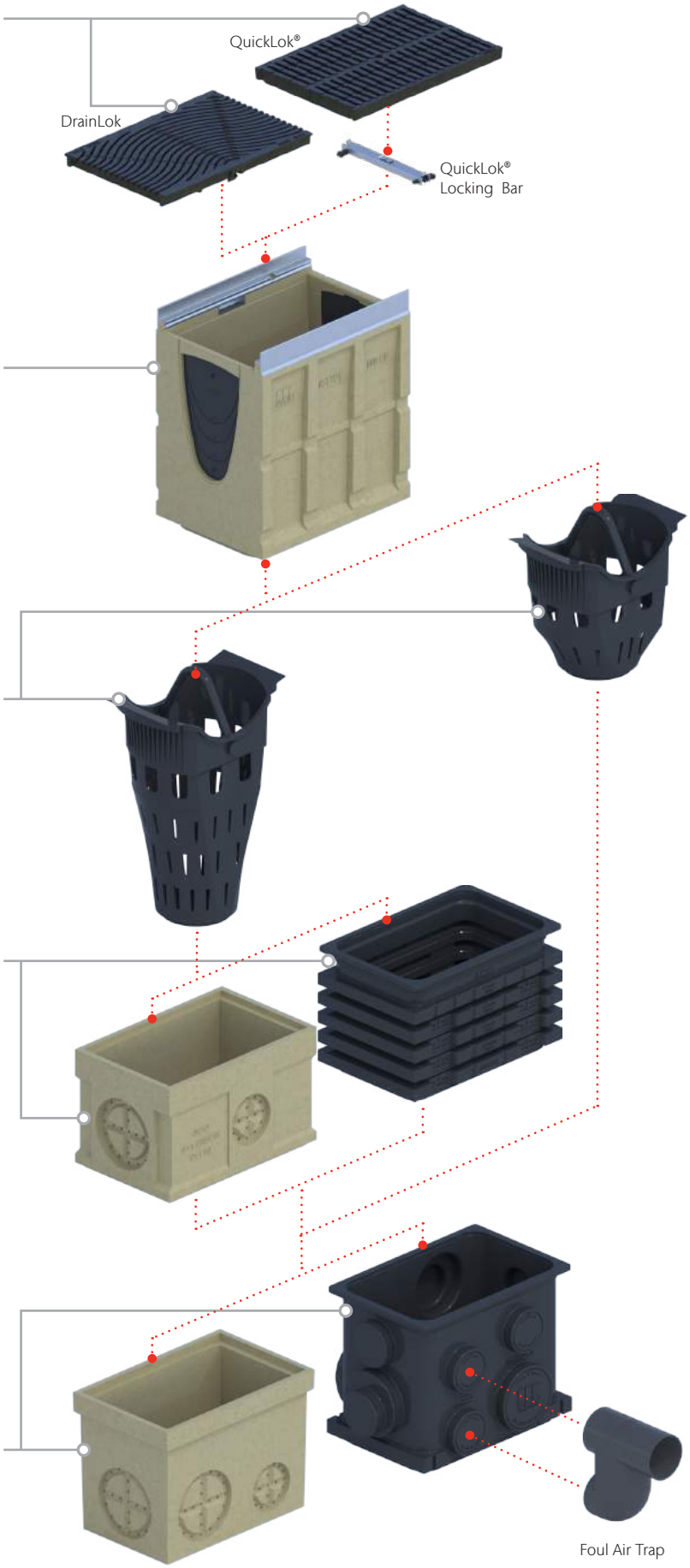
Series 900 Grates - choice of grates to match channel grates with DrainLok or QuickLok® boltless locking. See page 55–56. QuickLok® grates are often paired with removable QuickLok® locking bars for easy access to trash bucket and pipework. One is included in each catch basin assembly.

Top Section - polymer concrete with integrally cast-in galvanized or stainless steel frame. Guides aid connection of male channel ends at #10, 20, 30 and 40 depths. Other channels can be connected by removing wall to required height. Blanking kit supplied with all catch basins.

Trash Bucket - plastic trash bucket designed to collect debris washed from trench run. Supported in catch basin top to avoid creation of a vacuum and reduction in outflow. K2-631 and K2-632 use a deeper bucket with riser.

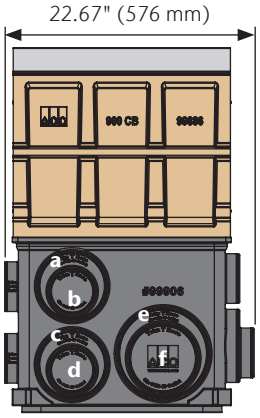
Riser - a plastic or polymer concrete riser, supplied with K2-631 and K2-632, designed to provide additional catch basin depth and hydraulic output. Guides on the plastic version enable cutting to size at 2" (50 mm) intervals - minimum 2" and maximum 12" height. Additional units can be used (a maximum of 2 is recommended to ensure snake access is maintained and for structural stability).
Multiple risers can be used with series 600 catch basins.

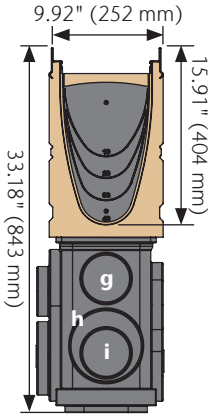
Base - Plastic or polymer concrete base available. Plastic bases have a wide range of SCH 40 4", 6" and 8" cut-outs for easy pipe connection. Cut outs on end and side allow connection of ACO foul air trap. Polymer concrete bases have drill-outs cast on sides for pipe connections.

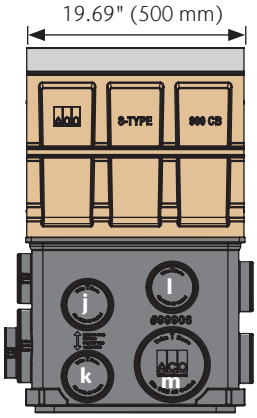


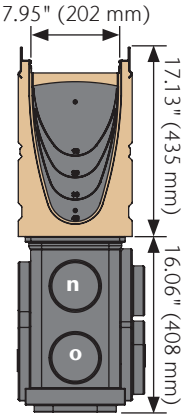
Catch Basin Dimensions & Outlet Flow Rates

K2-902G/S In-Line Catch Basin









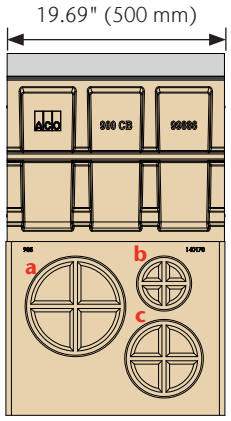
Catch Basin Outlet	Size (SCH 40)	Invert in	GPM	CFS
a	6"	24.68	570	1.27
b	4"	24.13	256	0.57
c	6"	31.82	658	1.47
d	4"	31.26	294	0.66
e	8"	31.82	1149	2.56
f	6"	31.26	651	1.45

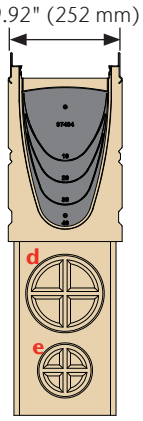
Catch Basin Outlet	Size (SCH 40)	Invert in	GPM	CFS
g	4"	23.19	251	0.56
h	6"	30.32	640	1.43
i	4"	29.90	288	0.64

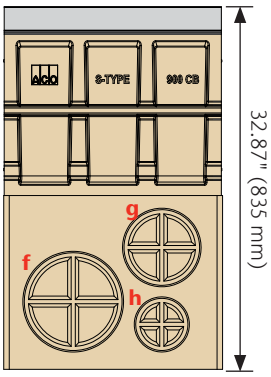
Catch Basin Outlet	Size (SCH 40)	Invert in	GPM	CFS
j	4"	25.33	263	0.59
k	4"	31.83	297	0.66
l	4"	23.76	254	0.57
m	6"	31.83	658	1.47

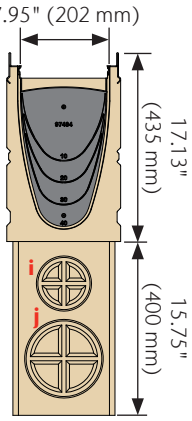
Catch Basin Outlet	Size (SCH 40)	Invert in	GPM	CFS
n	4"	23.91	255	0.57
o	4"	30.40	290	0.65

K2-906G/S In-Line Catch Basin









Catch Basin Outlet	Size (SCH 40)	Invert in	GPM	CFS
a	8"	27.05	1045	2.4
b	4"	22.98	249	0.57
c	6"	30.79	645	1.48

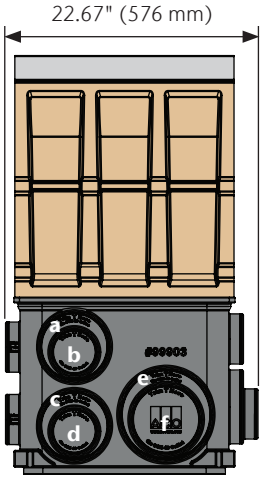
Catch Basin Outlet	Size (SCH 40)	Invert in	GPM	CFS
d	6"	24.89	573	1.32
e	4"	30.86	292	0.67

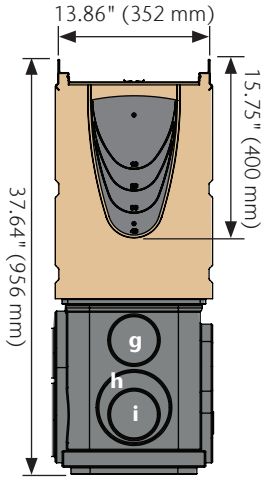
Catch Basin Outlet	Size (SCH 40)	Invert in	GPM	CFS
f	8"	30.79	1127	2.59
g	6"	24.89	573	1.32
h	4"	30.86	292	0.67

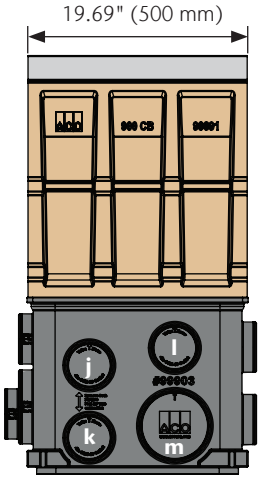
Catch Basin Outlet	Size (SCH 40)	Invert in	GPM	CFS
i	4"	22.98	249	0.57
j	6"	30.79	645	1.48

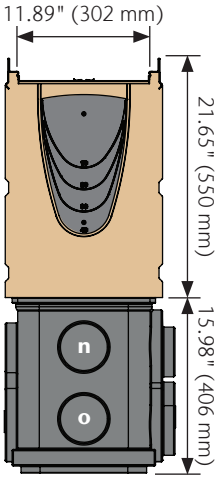
Note: These are pipe flow rates at specified outlets, NOT channel flow rates. Catch basin flow rates are listed without a trash bucket—using a trash bucket reduces flow.

K2-621G/S Catch Basin









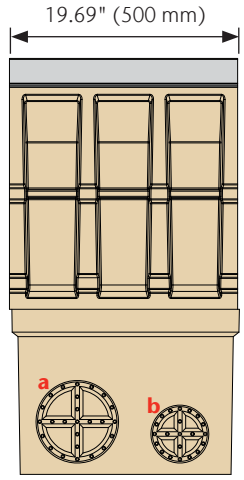
Catch Basin Outlet	Size (SCH 40)	Invert in	GPM	CFS
a	6"	29.15	626	1.40
b	4"	28.59	281	0.63
c	6"	36.28	707	1.57
d	4"	35.72	316	0.70
e	8"	36.28	1237	2.76
f	6"	35.72	701	1.56

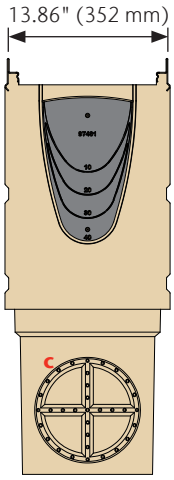
Catch Basin Outlet	Size (SCH 40)	Invert in	GPM	CFS
g	4"	27.65	276	0.61
h	6"	34.78	690	1.54
i	4"	34.36	310	0.69

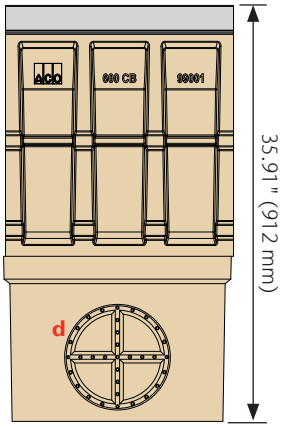
Catch Basin Outlet	Size (SCH 40)	Invert in	GPM	CFS
j	4"	29.80	287	0.64
k	4"	36.29	319	0.71
l	4"	28.22	279	0.62
m	6"	36.29	707	1.57

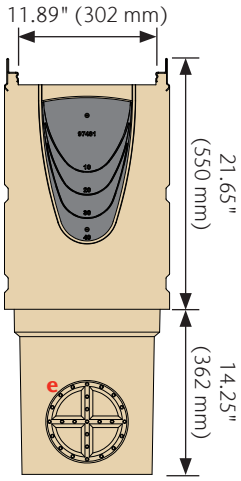
Catch Basin Outlet	Size (SCH 40)	Invert in	GPM	CFS
n	4"	28.37	280	0.62
o	4"	34.87	312	0.70

K2-622G/S Catch Basin









Catch Basin Outlet	Size (SCH 40)	Invert in	GPM	CFS
a	6"	25.95	587	1.35
b	4"	26.00	267	0.61

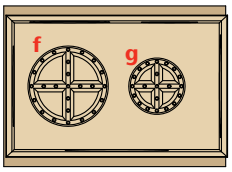
Catch Basin Outlet	Size (SCH 40)	Invert in	GPM	CFS
c	8"	25.95	1020	2.35

Catch Basin Outlet	Size (SCH 40)	Invert in	GPM	CFS
d	8"	25.95	1020	2.35

Catch Basin Outlet	Size (SCH 40)	Invert in	GPM	CFS
e	6"	25.95	587	1.35

Note: These are pipe flow rates at specified outlets, NOT channel flow rates. Catch basin flow rates are listed without a trash bucket—using a trash bucket reduces flow.

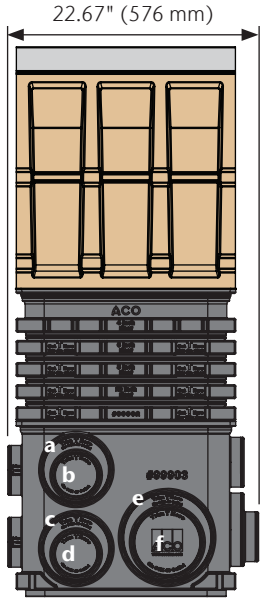
Underside

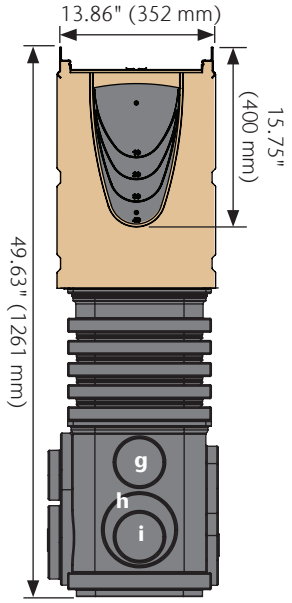


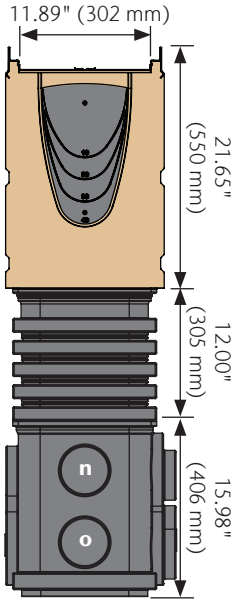
Catch Basin Outlet	Size (SCH 40)	Invert in	GPM	CFS
f	6"	35.90	734	1.69
g	4"	35.90	326	0.75

Catch Basin Dimensions & Outlet Flow Rates (cont.)

K2-631G/S Catch Basin







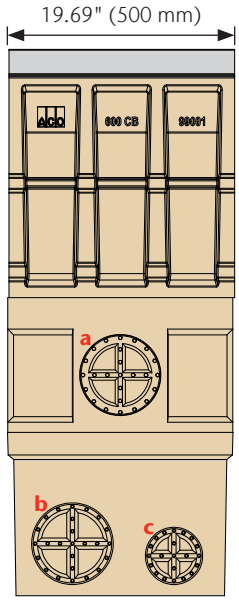
Catch Basin Outlet	Size (SCH 40)	Invert in	GPM	CFS
a	6"	41.15	757	1.69
b	4"	40.59	338	0.75
c	6"	48.28	824	1.84
d	4"	47.72	368	0.82
e	8"	48.28	1449	3.23
f	6"	47.72	819	1.83

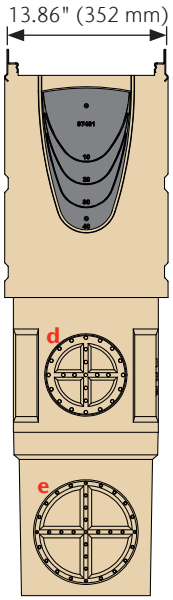
Catch Basin Outlet	Size (SCH 40)	Invert in	GPM	CFS
g	4"	39.65	334	0.74
h	6"	46.78	810	1.81
i	4"	46.36	363	0.81

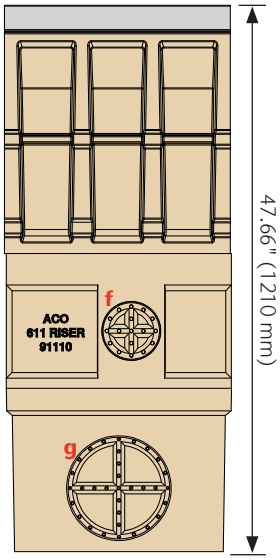
Catch Basin Outlet	Size (SCH 40)	Invert in	GPM	CFS
j	4"	41.80	343	0.77
k	4"	48.29	370	0.83
l	4"	40.22	337	0.75
m	6"	48.29	824	1.84

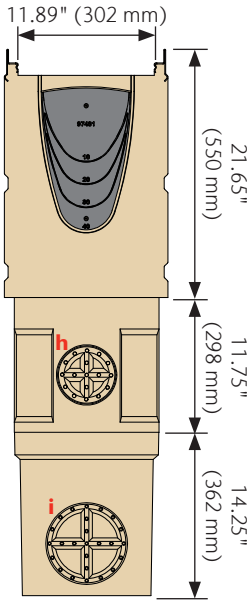
Catch Basin Outlet	Size (SCH 40)	Invert in	GPM	CFS
n	4"	40.37	337	0.75
o	4"	46.87	365	0.81

K2-632G/S Catch Basin









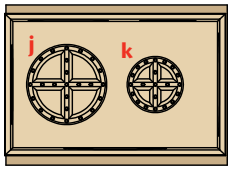
Catch Basin Outlet	Size (SCH 40)	Invert in	GPM	CFS
a	6"	31.40	652	1.45
b	6"	46.11	804	1.79
c	4"	46.17	362	0.81

Catch Basin Outlet	Size (SCH 40)	Invert in	GPM	CFS
d	6"	31.40	652	1.45
e	8"	46.10	1412	3.15

Catch Basin Outlet	Size (SCH 40)	Invert in	GPM	CFS
f	4"	30.40	290	0.65
g	8"	46.10	1412	3.15

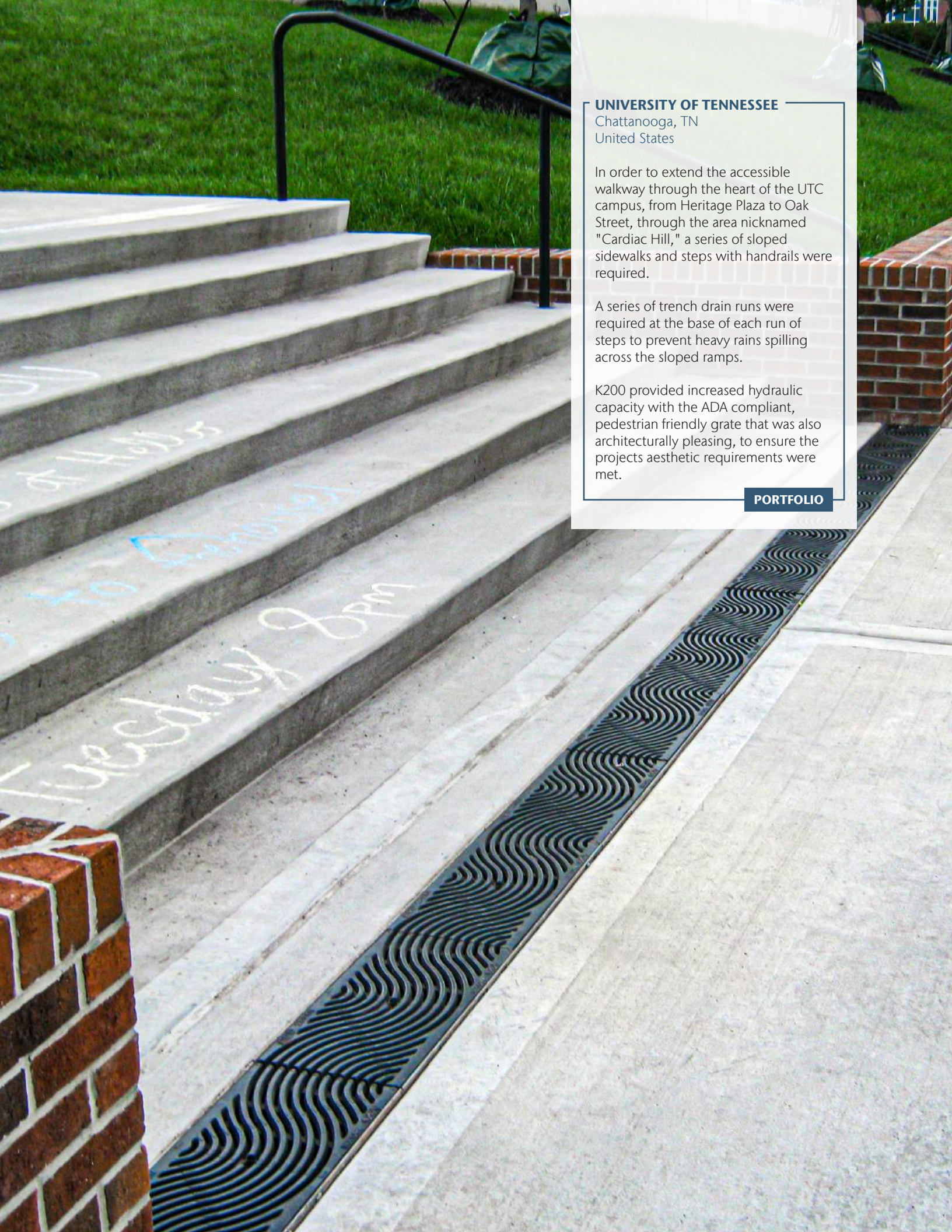
Catch Basin Outlet	Size (SCH 40)	Invert in	GPM	CFS
h	4"	30.40	290	0.65
i	6"	46.10	804	1.79

Underside



Catch Basin Outlet	Size (SCH 40)	Invert in	GPM	CFS
j	6"	47.65	845	1.94
k	4"	47.65	376	0.86

Note: These are pipe flow rates at specified outlets, NOT channel flow rates. Catch basin flow rates are listed without a trash bucket—using a trash bucket reduces flow.



UNIVERSITY OF TENNESSEE
Chattanooga, TN
United States

In order to extend the accessible walkway through the heart of the UTC campus, from Heritage Plaza to Oak Street, through the area nicknamed "Cardiac Hill," a series of sloped sidewalks and steps with handrails were required.

A series of trench drain runs were required at the base of each run of steps to prevent heavy rains spilling across the sloped ramps.

K200 provided increased hydraulic capacity with the ADA compliant, pedestrian friendly grate that was also architecturally pleasing, to ensure the projects aesthetic requirements were met.

PORTFOLIO

K200/KS200 Grates - DrainLok

KEY

ADA Compliant
Compliant with Americans with Disabilities Act of 2010, Section 302.3 (page 174)

Heel-Resistant
ASME A112.6.3 - 2001 Heel-resistant slot width less than 0.31" (8 mm) (page 174)

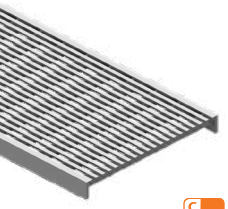
Heel-Safe
Heel-safe slot width equal or less than 0.25" (6.5 mm) (page 174)

Slip-Resistant Grates
BPN over 24 (page 174)

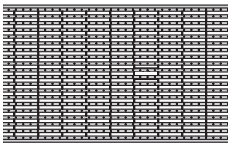
Bicycle-Safe
Compliant to Australian Standard AS 3996 - 2006 (page 174)

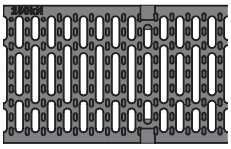
Non-Metallic
No metallic/magnetic parts included (page 170)

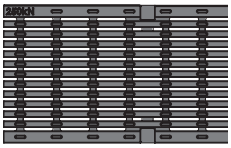
For details on how psi is determined, see pages 161-166.

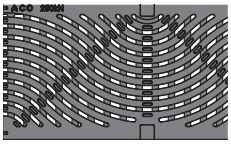


	Part No.	Length in (m)	Slot Size in	Intake Area in²	Weight lbs					
LOAD CLASS B (EN 1433 - 125 KN) - 28,101 LBS - 387 PSI (LIGHT DUTY TRAFFIC)										
LONGITUDINAL STEEL[1]										
Type 647D - Stainless	**142219**	39.37 (1.0)	1.61 x 0.24	178.2	18.0	✓	✓	✓	✓	✓
Type 648D - Stainless	**142220**	19.69 (0.5)		89.1	9.0					
LOAD CLASS C (EN 1433) - 56,202 LBS - 774 PSI (COMMERCIAL VEHICLE TRAFFIC)										
SLOTTED IRON[4]										
Type 660D - Iron	**142177**	19.69 (0.5)	0.47 x 2.6	56.4	19.0	✗	✗	✗	✗	✓
LONGITUDINAL IRON[4]										
Type 676D - Iron	**142173**	19.69 (0.5)	2.07 x 0.24	35.8	19.0	✓	✓	✗	✗	✓
WAVE IRON[4]										
Type 680D - Iron	**99579**	19.69 (0.5)	0.27 x 0.9 avg.	58.1	27.0	✓	✓	✓	✗	✓









Notes
1. Grade 304 stainless steel 2. Polypropylene material 3. Ductile iron to ASTM A536 Grade 65-45-12 4. Ductile iron to ASTM A536 Grade 80-55-06

DRAINLOK - BOLTLESS & BARLESS LOCKING SYSTEM

Factory-fitted locking device removes need for bolts and bars and improves channel hydraulic capacity. The DrainLok mechanism clips into channel edge rail for rapid installation. DrainLok grates are fit with an anti-shunt mechanism that restricts unwanted grate movement when installed, improving durability and longevity of the system.

1

Fit grate

Position grate onto channel and align anti-shunt detail with recess in rail.

2

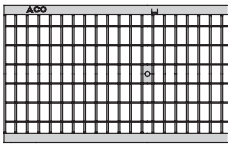
Push down or stand on grate until it clicks into position.

3

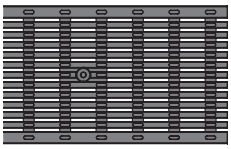
Remove grate

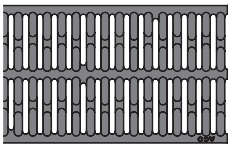
To remove first grate, insert grate removal tool into slots at end of grate, pull up sharply. Remaining grates can be removed by hand.

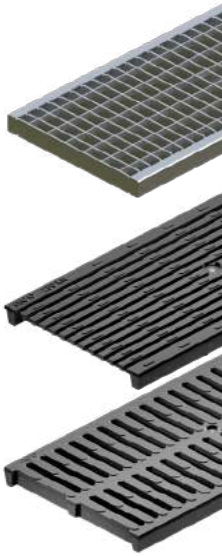
K200/KS200 Grates - QuickLok®



	Part No.	Length in (m)	Slot Size in	Intake Area in²	Weight lbs					
LOAD CLASS C (EN 1433 - 250 KN) - 56,202 LBS - 774 PSI (COMMERCIAL VEHICLE TRAFFIC)										
MESH STEEL										
Type 605Q - Galvanized	**10352**	39.37 (1.0)	0.66 x 1.22	256.0	31.7	✓	×	×	×	✓
Type 606Q - Galvanized	**10353**	19.69 (0.5)		128.0	16.0					
Type 630Q - Stainless[1]	**16032**	39.37 (1.0)		256.0	31.7					
Type 631Q - Stainless[1]	**16033**	19.69 (0.5)		128.0	16.0					
LOAD CLASS E (EN 1433 - 600 KN) - 134,885 LBS - 1,856 PSI (INDUSTRIAL TRAFFIC)										
LONGITUDINAL IRON[4]										
Type 678Q - Iron	**138129**	19.69 (0.5)	1.41 x 0.31	51.6	26.0	✓	✓	✓	✓	✓
SLOTTED IRON[4]										
Type 661Q - Iron	**10351**	19.69 (0.5)	0.39 x 3.75	81.9	37.0	✓	×	×	×	×







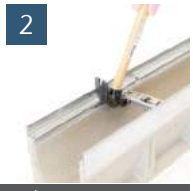
QUICKLOK® - BOLTLESS LOCKING SYSTEM

1

Fit locking bar

Locate locking bar in channel wall recesses by rotating clockwise.

2



Use hammer to tap bar into place, so that serrated ends grip in recess.

3

Fit grate

To install grate, align QuickLok® stud directly over locking bar.

4

Push down or stand on grate until it clicks into position.

5

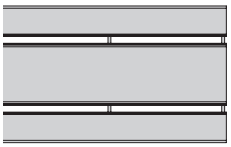
Remove grate

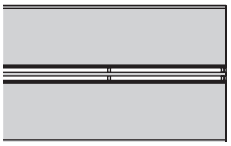
To remove first grate, insert grate removal tool into slots at end of grate, pull up sharply. Remaining grates can be removed by hand.

6

To remove bar, remove clips then insert screwdriver into hole at end of bar and lever back serrated end, rotate bar free.

K200/KS200 Grates - Brickslot Tops

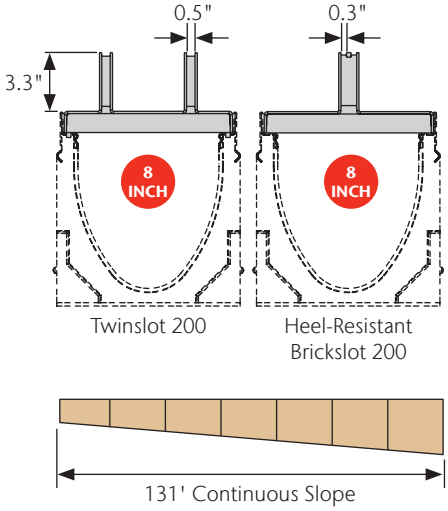




LOAD CLASS C (EN 1433 - 250 KN) - 56,202 LBS - 774 PSI (COMMERCIAL VEHICLE TRAFFIC)										
TWINSLOT 200 STEEL										
Type 641 - Galvanized	**138060**	39.37 (1.0)	39.4 x 0.47	37.2	36.3	-	✓	×	×	✓
Type 642 - Galvanized	**138061**	19.69 (0.5)	19.7 x 0.47	18.6	18.7					
Type 643 - Stainless[1]	**138065**	39.37 (1.0)	39.4 x 0.47	37.2	36.3					
Type 644 - Stainless[1]	**138066**	19.69 (0.5)	19.7 x 0.47	18.6	18.7					
HEEL-RESISTANT BRICKSLOT 200 STEEL										
Type 670 - Galvanized	**138070**	39.37 (1.0)	39.4 x 0.30	24.8	28.2	-	✓	✓	×	✓
Type 672 - Galvanized	**138071**	19.69 (0.5)	19.7 x 0.30	12.4	14.5					
Type 673 - Stainless[1]	**138075**	39.37 (1.0)	39.4 x 0.30	24.8	28.2					
Type 674 - Stainless[1]	**138076**	19.69 (0.5)	19.7 x 0.30	12.4	14.5					

Brickslot 200

Discreet Slot & 8" Internal Width Drainage Channel



Brickslot is a discreet, galvanized steel drainage solution for use with 3.125" or less brick or stone pavers. The slot(s) blend in with the paving joints giving an aesthetic solution.

Brickslot 200 offers increased capacity via a double spaced Twinslot, or a central twin Heel-resistant slot.

Stainless steel Brickslot is the same system, but is manufactured entirely in grade 304 stainless steel. Stainless steel Brickslot should be used where increased aesthetics are desired, or where increased corrosion resistance is required.

Typical Applications:

- Pedestrian plazas
- Aesthetic areas
- Paved areas
- Sidewalks

BRICKSLOT 200 SELECTION CRITERIA

A ▶▶▶▶ C	Light to industrial duty loads
	Product can be used towards LEED & EPA requirements
	Resistant to many everyday chemicals
	Multiple grate options to meet legal requirements
	Increased hydraulic capacity
	Constant depth and/or sloped depth channels

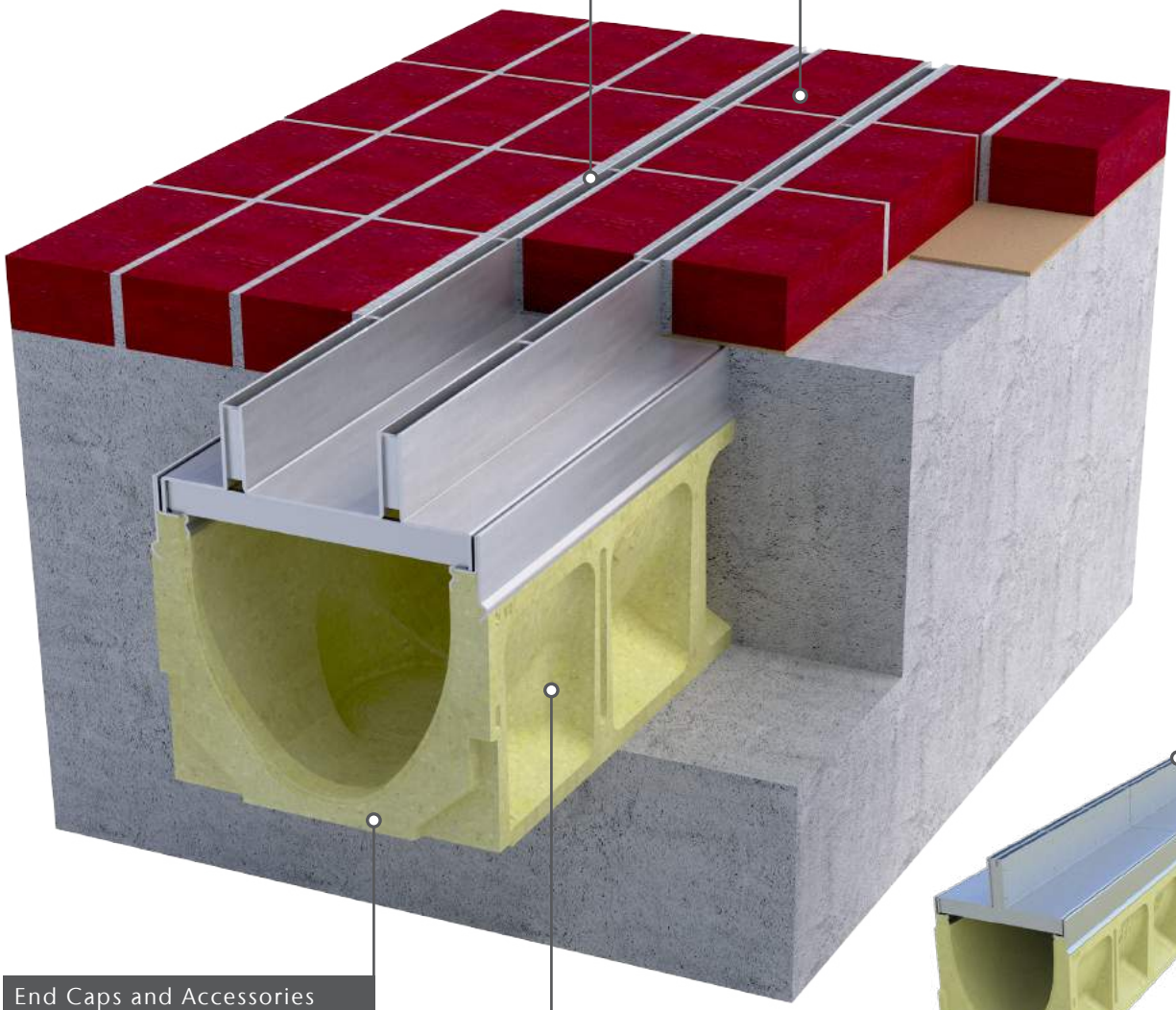
Brickslot 200 Features

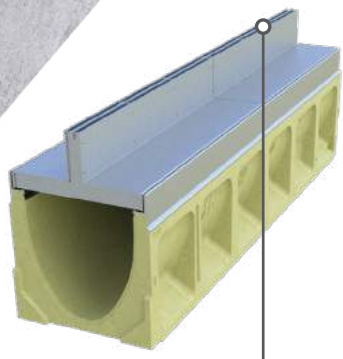
Brick Pavers

Fit directly against slot. For light duty pedestrian applications, pavers can be set on sand; for heavier duty projects, pavers should be set on concrete. Maximum paver depth (allowing for 0.25" (6 mm) bedding material): 3.125" (80 mm).

Two 6" Parallel 0.5" (12 mm) Slots

Easy-to-clean, smooth slots allow continuous water flow into the channel.





End Caps and Accessories

Available from the K200 range.
See page 48 for details.

Used with K200 Channel

Brickslot fits directly into K200 channel grate recess. Half meter sections are available. Half meter access units provide access to channel or catch basin for maintenance.
See page 48 for details.

Heel-Resistant Option

Heel-Resistant Brickslot offers a double, 0.375" (8 mm) flared-opening slot to a 0.875" (22 mm) throat for increased drainage capacity.

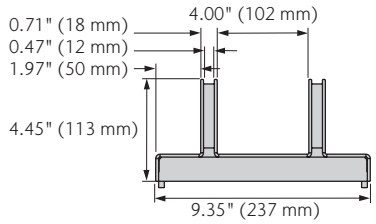
Brickslot 200 Parts

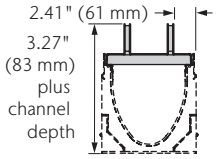
	Part No.		Overall Depth	Weight			
	Galvanized	Stainless	in (mm)	lbs			
Type 641/643 - Twinslot 200 - 39.37" (1 m)	**138060**	**138065**	4.45 (113)	36.3	✓	✗	✓
Type 642/644 - Twinslot 200 - 19.69" (0.5 m)	**138061**	**138066**	4.45 (113)	18.7	✓	✗	✓
Type 682/684 - Twinslot 200 Access Unit - 19.69" (0.5 m) [3]	**138062**	**138067**	4.45 (113)	22.4	✓	✗	✓
Type 670/673 - Heel-Resistant Brickslot 200 - 39.37" (1 m)	**138070**	**138075**	4.45 (113)	28.2	✓	✓	✓
Type 672/674 - Heel-Resistant Brickslot 200 - 19.69" (0.5 m)	**138071**	**138076**	4.45 (113)	17.8	✓	✓	✓
Type 683/685 - Heel-Resistant Brickslot 200 Access Unit - 19.69" (0.5 m) [3]	**138072**	**138077**	4.45 (113)	20.4	✓	✓	✓
Grate Removal Tool [4]	**01318**		-	0.3	-	-	-

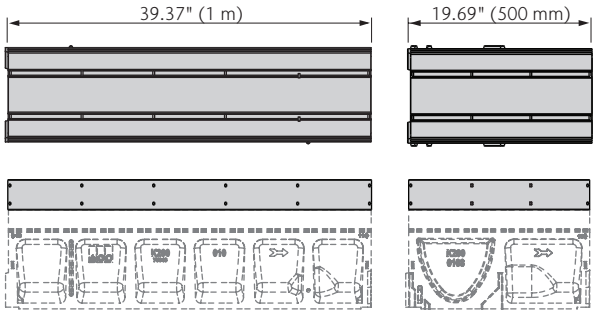
Notes

1. For K200 channels and K2-900 catch basin information see page 48–49.
2. Brickslot can also be used with SlabDrain H200K/S channels - see page 135.
3. Access unit can be used on channels or catch basins - for details please refer to separate Spec Info sheets.
4. Only access cover can be removed once Brickslot has been installed.
5. For custom slot widths, heights or materials (eg. 316L stainless steel), ask us about our Aquaduct product line.

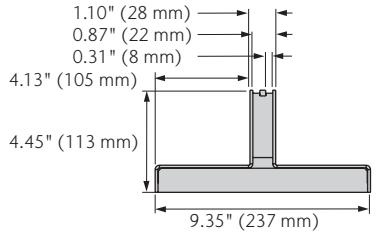
Twinslot 200

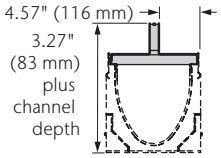


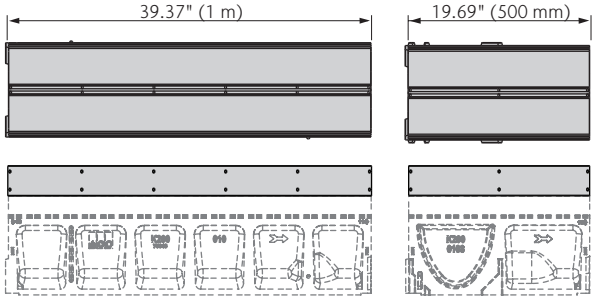




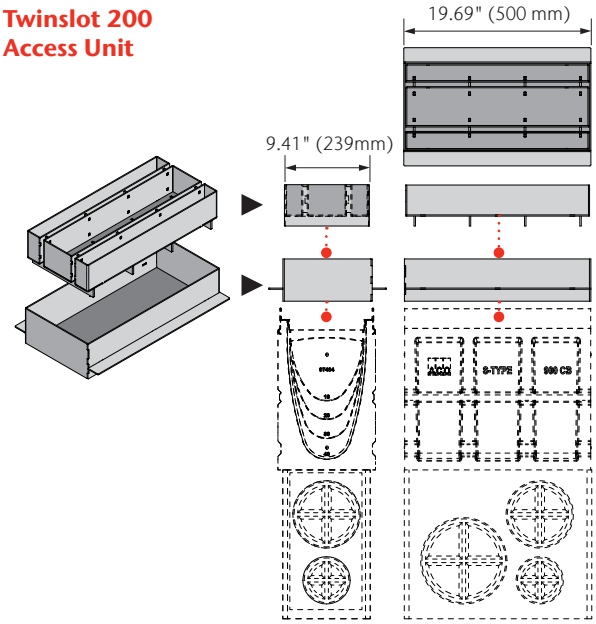
Heel-Resistant Brickslot 200



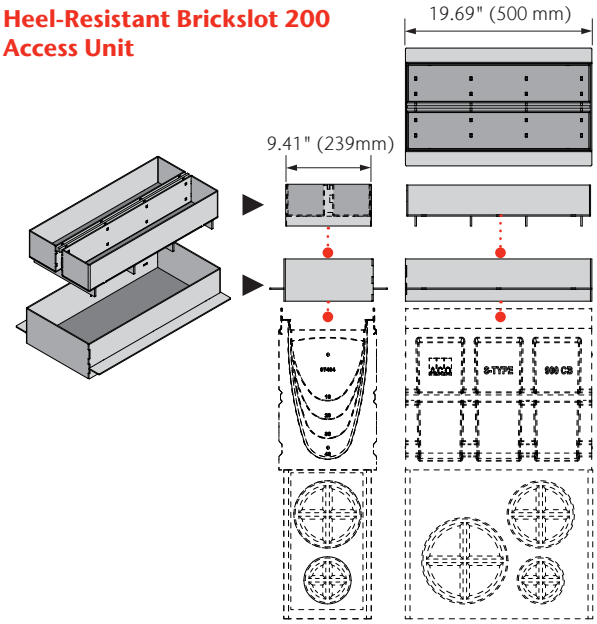




Twinslot 200 Access Unit

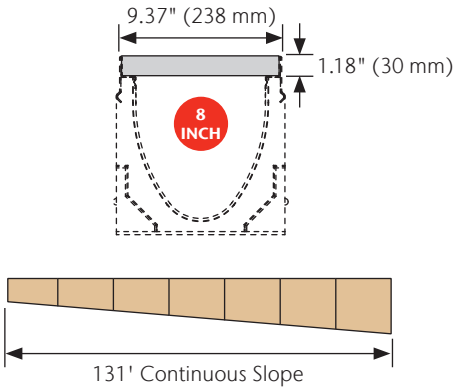


Heel-Resistant Brickslot 200 Access Unit



EcoPanel

Permeable Paver Cover & 8" Internal Width Drainage Channel



EcoPanel is a stormwater trench drain cover constructed from permeable UV stable resin-bonded aggregate in a galvanized steel frame. The unique combination of a durable load bearing surface enclosed in an engineered frame allows for water infiltration under medium duty traffic.

EcoPanel linear permeable paver covers are installed into ACO's KlassikDrain K200 or SlabDrain H200 (8" internal width) channels.

EcoPanel is a unique and decorative drainage solution that can be used as a design element to create distinctive urban landscapes.

Typical Applications:

- Shopping Centers/Malls
- Pedestrian Plazas
- Bicycle Paths
- Playgrounds
- Parking Lots
- Parks

ECOPANEL SELECTION CRITERIA

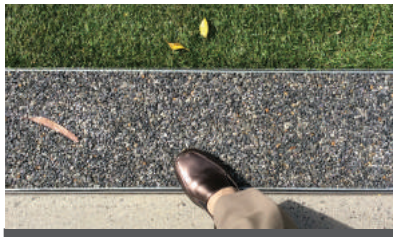
A ▶▶▶▶ B	Pedestrian to light duty loads
	Product can be used towards LEED & EPA requirements
	Resistant to many everyday chemicals
	Multiple grate options to meet legal requirements
SAFE	Multiple grate options to meet design requirements
	Increased hydraulic capacity
	Constant depth and/or sloped depth channels

EcoPanel Features

Access Unit - 39.37" (1 m)

With lifting key and keyhole.

Lifting Key
part no. 84306

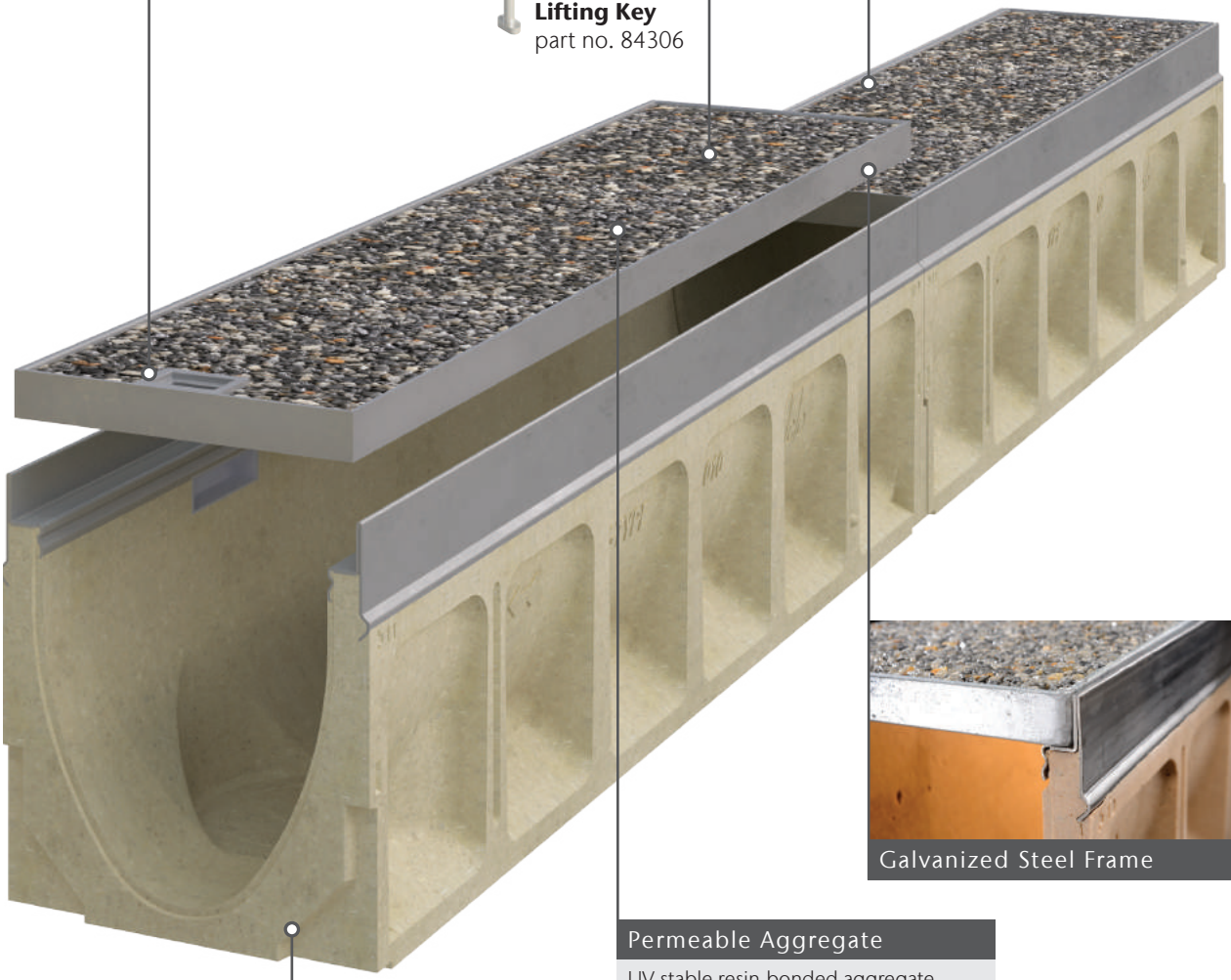


Pedestrian-Friendly

Up to Load Class B (28,101 lbs).
Suitable for pedestrian areas with slow moving commercial vehicles.

Standard Unit - 39.37" (1 m)

No lifting keyhole.



Galvanized Steel Frame

Permeable Aggregate

UV stable resin-bonded aggregate available in eight colors.

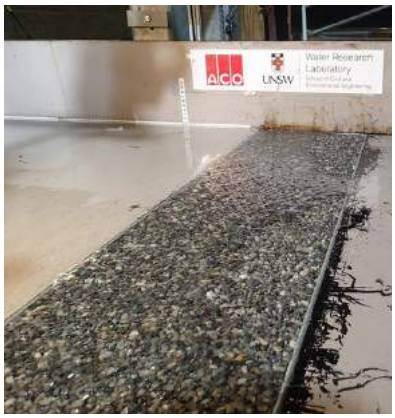
K200 Channel

Constant depth or sloped.

EcoPanel Color and Material

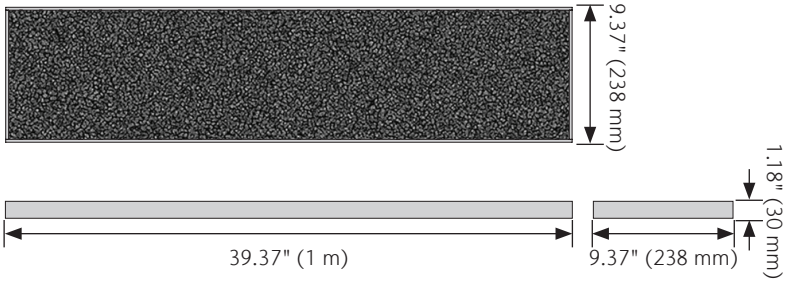
	Part No.		Weight lbs
	Standard Unit	Access Unit	
Black Granite	**142742**	**142743**	50.7
Blue Marble	**142744**	**142745**	50.7
Silver Marble	**142746**	**142747**	50.7
Starlight Granite	**142748**	**142749**	50.7
Sand Marble	**142750**	**142751**	50.7
Gold Marble	**142752**	**142753**	50.7
Gray Marble	**142754**	**142755**	50.7
Red Granite	**142756**	**142757**	50.7

Porous Aggregate
Water permeates through the EcoPanel to the channel below.

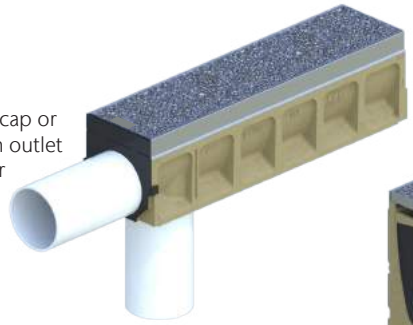


Hydraulically Tested
Water Research Laboratory at UNSW Sydney.

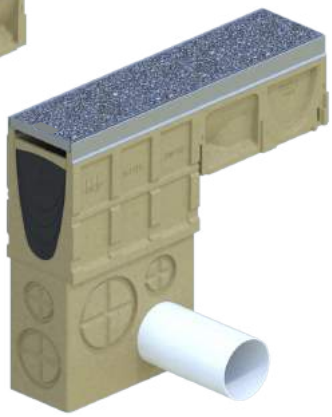
EcoPanel Standard Unit



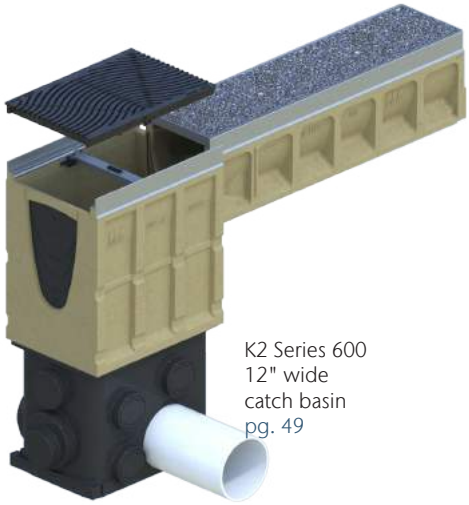
EcoPanel Connection Options



Outlet cap or bottom outlet adapter
pg. 48



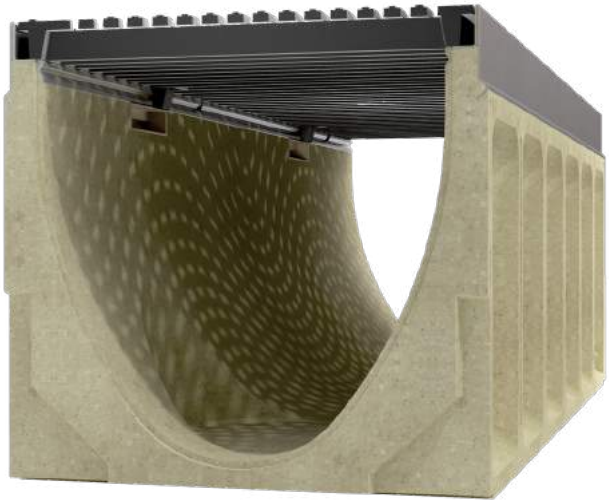
K2 Series 900 in-line catch basin with K200 19.69" (0.5 m) channel (EcoPanel grate covers both)
pg. 49

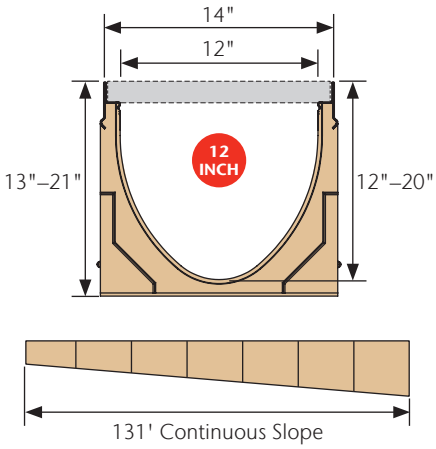


K2 Series 600 12" wide catch basin
pg. 49

KlassikDrain K300/KS300

12" Internal Width General Purpose System





K300 is a 12" wide system with galvanized steel edge rail and wide choice of grates in different materials and slot styles up to Load Class E (60 ton) featuring either patented DrainLok or QuickLok® boltless locking systems.

KS300 is the same system, but the edge rail is grade 304 stainless steel. KS300 should be used where increased aesthetics are required, or where increased corrosion resistance is required.

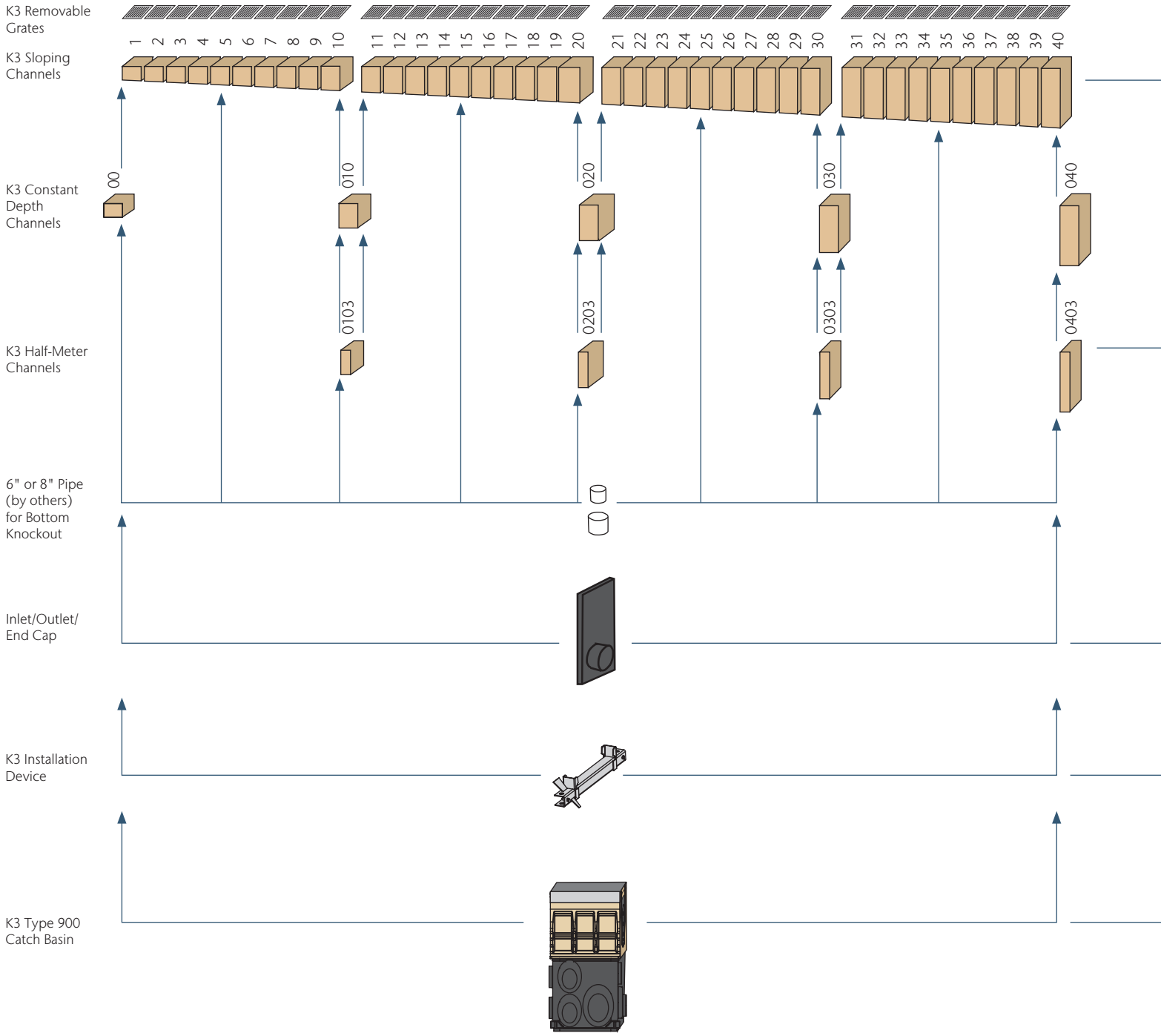
Typical Applications:

- Parking lots & garages
- Shopping malls
- Pedestrian areas
- Light industrial areas
- Commercial areas
- Internal applications

KLASSIKDRAIN K300/KS300 SELECTION CRITERIA

A ▶▶▶▶ E	Light to industrial duty loads
	Product can be used towards LEED & EPA requirements
	Resistant to many everyday chemicals
	Multiple grate options to meet legal requirements
SAFE	Multiple grate options to meet design requirements
	Maximum hydraulic capacity
	Constant depth and/or sloped depth channels

K300/KS300 System Layout



Note: K3 Universal Inlet/Outlet/End Cap, Installation Devices and Catch Basins can be placed at either end of any channel within the system.

K3 Meter Channels - Sloping & Constant Depth

0.5% sloped channels in meter lengths and 40 depths which connect to create 40 meter (131'-2") continuously sloping run. Available with either galvanized or stainless steel edge rail.

Constant depth channels available in 5 depths. Can be used to create non-sloped runs, or inserted in sloped runs to increase length.

Bottom knockouts on all constant depths and 5, 10, 15, 20, 25, 30, 35, 40 channels.

K3 Half-Meter Channels

Constant depth channels in 4 depths supplement meter channels. Side knockout and profiling enable side junction to be created. Bottom knockouts on all half meter channels. Available with either galvanized or stainless steel edge rail.

K3 Universal Inlet/Outlet/End Cap

Fits all channels and manufactured from ABS plastic to complement edge rail. Guides aid cutting to correct height. Wings clip cap onto end of channel. 6", 8" and 10" bell end connection to SCH 40 pipe. Seal using PVC-ABS cement.

K3 Installation Device

Fits molded recesses on body of channel. Provides height and joint alignment - a sliding clamp locks the two channels together. Bolt to rebar on either side of channel to hold channels in place during concrete pour. Not reusable; it is encased within concrete pour.

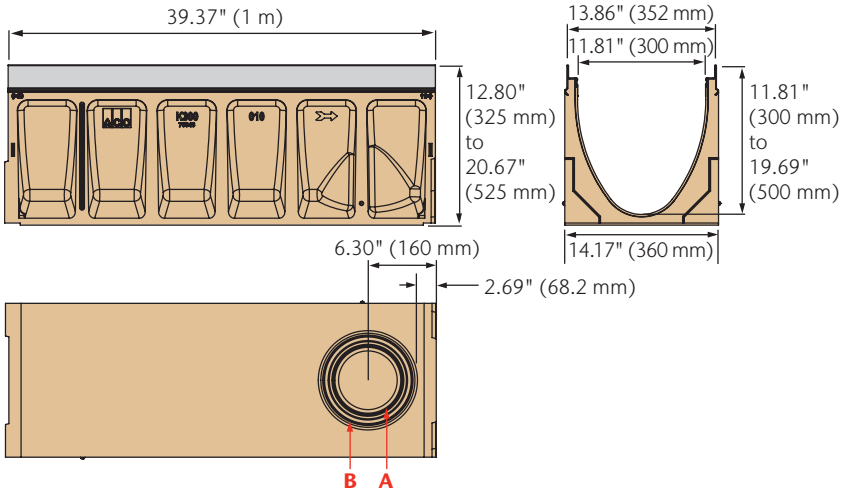
K3 Series 900 In-Line Catch Basins

Two-part in-line catch basin with either a plastic base with 4", 6" and 8" drill-outs for pipe connection or a polymer concrete base. Supplied with plastic trash bucket. Options include an in-line or side foul air trap. Available with either galvanized or stainless steel edge rail.

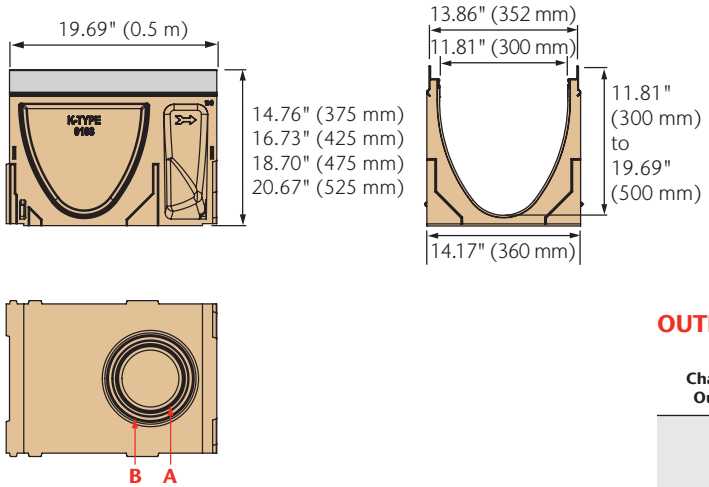
Any channel can be connected into the catch basin by removing the end wall to the correct height with a box cutter. Cut-out guides provided for connection to channels 00, 010, 020, 030 and 040. All cut-outs to receive male channel ends. One blanking end plate supplied with in-line catch basin.

Dimensions & Outlet Flow Rates

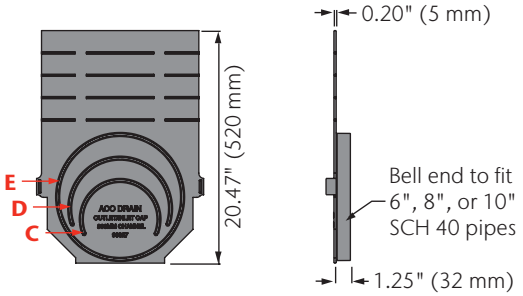
K3 Meter Channels



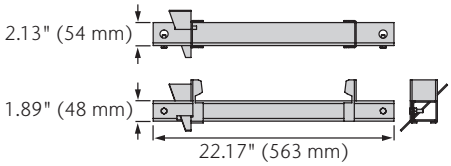
K3 Half-Meter Channels



K3 Universal Inlet/Outlet/End Cap



K3 Installation Device



OUTLET FLOW RATES

Channel Outlet	Channel	Size (SCH 40)	Invert in	GPM	CFS
A	K3-00	6" round	11.81	421	0.94
	K3-40	6" round	19.69	544	1.21
B	K3-00	8" round	11.81	748	1.67
	K3-40	8" round	19.69	966	2.15
C	K3-00	6" round	11.81	364	0.81
	K3-40	6" round	19.69	500	1.11
D	K3-10	8" round	13.78	681	1.52
	K3-40	8" round	19.69	863	1.92
E	K3-20	10" round	15.75	1116	2.49
	K3-40	10" round	19.69	1304	2.91

Note: These are pipe flow rates at specified outlet, NOT channel flow rates.

K300/KS300 Parts

	Part No.		Invert Depth				Overall Depth				Volume	Weight
	K300	KS300	in		mm		in		mm		gal	lbs
			female	male	female	male	female	male	female	male		
K3-00 - Constant Depth Channel - 39.37" (1 m)*	**76041**	**76441**	**11.81**	**11.81**	**300**	**300**	**12.80**	**12.80**	**325**	**325**	**18.01**	**132.6**
K3-1 Sloped Channel - 39.37" (1 m)	**76001**	**76401**	11.81	12.01	300	305	12.80	12.99	325	330	19.58	132.6
K3-2 Sloped Channel - 39.37" (1 m)	**76002**	**76402**	12.01	12.20	305	310	12.99	13.19	330	335	20.01	133.8
K3-3 Sloped Channel - 39.37" (1 m)	**76003**	**76403**	12.20	12.40	310	315	13.19	13.39	335	340	20.44	135.0
K3-4 Sloped Channel - 39.37" (1 m)	**76004**	**76404**	12.40	12.60	315	320	13.39	13.58	340	345	20.86	136.2
K3-5 Sloped Channel - 39.37" (1 m)*	**76005**	**76405**	12.60	12.80	320	325	13.58	13.78	345	350	21.28	137.4
K3-6 Sloped Channel - 39.37" (1 m)	**76006**	**76406**	12.80	12.99	325	330	13.78	13.98	350	355	21.69	138.6
K3-7 Sloped Channel - 39.37" (1 m)	**76007**	**76407**	12.99	13.19	330	335	13.98	14.17	355	360	22.11	139.8
K3-8 Sloped Channel - 39.37" (1 m)	**76008**	**76408**	13.19	13.39	335	340	14.17	14.37	360	365	22.51	141.0
K3-9 Sloped Channel - 39.37" (1 m)	**76009**	**76409**	13.39	13.58	340	345	14.37	14.57	365	370	22.92	142.2
K3-10 Sloped Channel - 39.37" (1 m)*	**76010**	**76410**	13.58	13.78	345	350	14.57	14.76	370	375	23.32	143.4
K3-010 Constant Depth Channel - 39.37" (1 m)*	**76043**	**76443**	**13.78**	**13.78**	**350**	**350**	**14.76**	**14.76**	**375**	**375**	**21.22**	**143.4**
K3-0103 Constant Depth Channel - 19.69" (0.5 m)*	**76044**	**76444**	**13.78**	**13.78**	**350**	**350**	**14.76**	**14.76**	**375**	**375**	**10.61**	**75.3**
K3-11 Sloped Channel - 39.37" (1 m)	**76011**	**76411**	13.78	13.98	350	355	14.76	14.96	375	380	23.72	144.6
K3-12 Sloped Channel - 39.37" (1 m)	**76012**	**76412**	13.98	14.17	355	360	14.96	15.16	380	385	24.11	145.8
K3-13 Sloped Channel - 39.37" (1 m)	**76013**	**76413**	14.17	14.37	360	365	15.16	15.35	385	390	24.51	147.0
K3-14 Sloped Channel - 39.37" (1 m)	**76014**	**76414**	14.37	14.57	365	370	15.35	15.55	390	395	24.89	148.2
K3-15 Sloped Channel - 39.37" (1 m)*	**76015**	**76415**	14.57	14.76	370	375	15.55	15.75	395	400	25.27	149.4
K3-16 Sloped Channel - 39.37" (1 m)	**76016**	**76416**	14.76	14.96	375	380	15.75	15.94	400	405	25.68	150.6
K3-17 Sloped Channel - 39.37" (1 m)	**76017**	**76417**	14.96	15.16	380	385	15.94	16.14	405	410	26.06	151.8
K3-18 Sloped Channel - 39.37" (1 m)	**76018**	**76418**	15.16	15.35	385	390	16.14	16.34	410	415	26.44	153.0
K3-19 Sloped Channel - 39.37" (1 m)	**76019**	**76419**	15.35	15.55	390	395	16.34	16.54	415	420	26.83	154.2
K3-20 Sloped Channel - 39.37" (1 m)*	**76020**	**76420**	15.55	15.75	395	400	16.54	4.92	420	125	27.21	155.4
K3-020 Constant Depth Channel - 39.37" (1 m)*	**76045**	**76445**	**15.75**	**15.75**	**400**	**400**	**16.73**	**16.73**	**425**	**425**	**24.53**	**155.4**
K3-0203 Constant Depth Channel - 19.69" (0.5 m)*	**76046**	**76446**	**15.75**	**15.75**	**400**	**400**	**16.73**	**16.73**	**425**	**425**	**12.27**	**82.3**
K3-21 Sloped Channel - 39.37" (1 m)	**76021**	**76421**	15.75	15.94	400	405	16.73	16.93	425	430	27.59	156.7
K3-22 Sloped Channel - 39.37" (1 m)	**76022**	**76422**	15.94	16.14	405	410	16.93	17.13	430	435	27.97	157.9
K3-23 Sloped Channel - 39.37" (1 m)	**76023**	**76423**	16.14	16.34	410	415	17.13	17.32	435	440	28.34	159.1
K3-24 Sloped Channel - 39.37" (1 m)	**76024**	**76424**	16.34	16.54	415	420	17.32	17.52	440	445	28.72	160.3
K3-25 Sloped Channel - 39.37" (1 m)*	**76025**	**76425**	16.54	16.73	420	425	17.52	17.72	445	450	29.09	161.5
K3-26 Sloped Channel - 39.37" (1 m)	**76026**	**76426**	16.73	16.93	425	430	17.72	17.91	450	455	29.47	162.7
K3-27 Sloped Channel - 39.37" (1 m)	**76027**	**76427**	16.93	17.13	430	435	17.91	18.11	455	460	29.84	163.9
K3-28 Sloped Channel - 39.37" (1 m)	**76028**	**76428**	17.13	17.32	435	440	18.11	18.31	460	465	30.21	165.1
K3-29 Sloped Channel - 39.37" (1 m)	**76029**	**76429**	17.32	17.52	440	445	18.31	18.50	465	470	30.58	166.3
K3-30 Sloped Channel - 39.37" (1 m)*	**76030**	**76430**	17.52	17.72	445	450	18.50	18.70	470	475	30.95	167.5
K3-030 Constant Depth Channel - 39.37" (1 m)*	**76047**	**76447**	**17.72**	**17.72**	**450**	**450**	**18.70**	**18.70**	**475**	**475**	**27.87**	**167.5**
K3-0303 Constant Depth Channel - 19.69" (0.5 m)*	**76048**	**76448**	**17.72**	**17.72**	**450**	**450**	**18.70**	**18.70**	**475**	**475**	**13.94**	**89.5**
K3-31 Sloped Channel - 39.37" (1 m)	**76031**	**76431**	17.72	17.91	450	455	18.70	18.90	475	480	31.32	168.7
K3-32 Sloped Channel - 39.37" (1 m)	**76032**	**76432**	17.91	18.11	455	460	18.90	19.09	480	485	31.69	169.9
K3-33 Sloped Channel - 39.37" (1 m)	**76033**	**76433**	18.11	18.31	460	465	19.09	19.29	485	490	32.06	171.1
K3-34 Sloped Channel - 39.37" (1 m)	**76034**	**76434**	18.31	18.50	465	470	19.29	19.49	490	495	32.42	172.3
K3-35 Sloped Channel - 39.37" (1 m)*	**76035**	**76435**	18.50	18.70	470	475	19.49	19.69	495	500	32.79	173.5
K3-36 Sloped Channel - 39.37" (1 m)	**76036**	**76436**	18.70	18.90	475	480	19.69	19.88	500	505	33.16	174.7
K3-37 Sloped Channel - 39.37" (1 m)	**76037**	**76437**	18.90	19.09	480	485	19.88	20.08	505	510	33.52	175.9
K3-38 Sloped Channel - 39.37" (1 m)	**76038**	**76438**	19.09	19.29	485	490	20.08	20.28	510	515	33.88	177.1
K3-39 Sloped Channel - 39.37" (1 m)	**76039**	**76439**	19.29	19.49	490	495	20.28	20.47	515	520	34.25	178.3
K3-40 Sloped Channel - 39.37" (1 m)*	**76040**	**76440**	19.49	19.69	495	500	20.47	20.67	520	525	34.61	179.5
K3-040 Constant Depth Channel - 39.37" (1 m)*	**76049**	**76449**	**19.69**	**19.69**	**500**	**500**	**20.67**	**20.67**	**525**	**525**	**31.25**	**179.5**
K3-0403 Constant Depth Channel - 19.69" (0.5 m)*	**76050**	**76450**	**19.69**	**19.69**	**500**	**500**	**20.67**	**20.67**	**525**	**525**	**15.63**	**97.7**
K3 Universal Inlet/Outlet/End Cap	**96826**		19.69	19.69	500	500	20.47	20.47	520	520	-	2.5
K3 Installation Device	**97479**		-	-	-	-	-	-	-	-	-	4.9
Grate Removal Tool	**01318**		-	-	-	-	-	-	-	-	-	0.3
QuickLok® Locking Bar	**10458**		-	-	-	-	-	-	-	-	-	0.7

Notes:
1. K300 has a galvanized steel edge rail for general use. KS300 has a grade 304 stainless steel edge rail for use where increased aesthetics or corrosion resistance is required.
2. KlassikDrain is sold as channel only. Choose appropriate grate from pages 77–78.
3. See Catch Basin Parts List on page 71.
**This channel features 6" & 8" bottom knockouts.*

Catch Basin Assemblies & Part Details

Polymer concrete catch basins can be used as standalone area drains or as the outlet to a trench run. They provide the highest hydraulic output and allow access to the pipe system for maintenance.

Series 900 catch basins are **in-line catch basins** (same width and visually indistinguishable from the trench run).

CATCH BASIN LOAD STRENGTH

Catch basins with plastic risers/bases should be used in load classes A–D. For heavy duty applications, ACO recommends using polymer concrete risers and catch basins for load class E/F applications.

K300/KS300 Catch Basin Parts

	Part No.		Volume*	Weight
	K300	**KS300**	gal	lbs
K3-903 In-Line Catch Basin w/ Plastic Base	**94614**	**94615**	30.4	88.0
K3-907 In-Line Catch Basin w/ Polymer Concrete Base	**97919**	**97920**	32.7	147.3
K3-904 In-Line Catch Basin w/ Plastic Riser & Base	**94635**	**94636**	40.2	98.0
K3-908 In-Line Catch Basin w/ Polymer Concrete Riser & Base	**97929**	**97930**	41.6	192.3
Series 600 Plastic Riser	**99902**		9.8	10.0
Series 611 Polymer Concrete Riser	**91110**		8.9	45.0
Foul Air Trap (fits all plastic basins)	**90854**		-	1.2

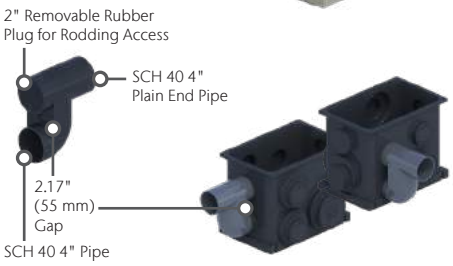
**Volume is up to grate seat and without trash bucket.*

BLANKING END PLATES

Blanking plates are supplied with catch basin tops to stop concrete ingress at end of drain run. The plate is fitted by pushing it over the polymer concrete end bar to fit flush with side rails.

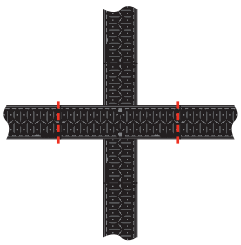
FOUL AIR TRAP

A plastic foul air trap that fits into the front or side of plastic in-line catch basins. A coupler is required to connect SCH 40 4" plain end pipe to underground pipe system.



CATCH BASIN CHANNEL CONNECTION

Channels can be connected to catch basin on all four sides in a variety of configurations.



Series 900 Grates - choice of grates to match channel grates with DrainLok or QuickLok® boltless locking. See page 77–78. QuickLok® grates are often paired with removable QuickLok® locking bars for easy access to trash bucket and pipework. One is included in each catch basin assembly.

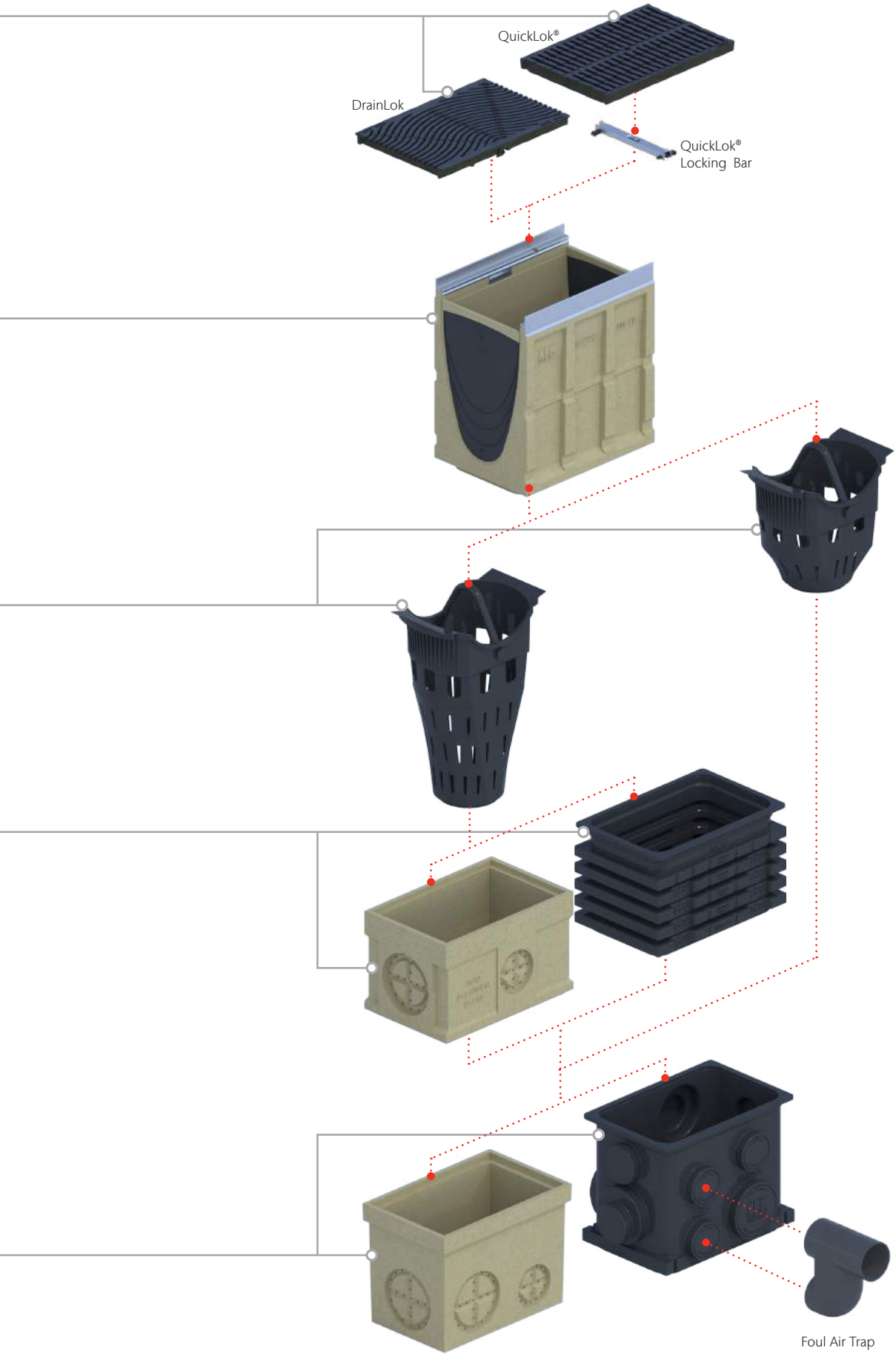
Top Section - polymer concrete with integrally cast-in galvanized or stainless steel frame. Guides aid connection of male channel ends at #10, 20, 30 and 40 depths. Other channels can be connected by removing wall to required height. Blanking kit supplied with all catch basin options.

Trash Bucket - plastic trash bucket designed to collect debris washed from trench run. Supported in catch basin top to avoid creation of a vacuum and reduction in outflow. K3-904 and K3-908 use a deeper bucket with riser.

Riser - a plastic or polymer concrete riser, supplied with K3-904 and K3-908, designed to provide additional catch basin depth and hydraulic output. Guides on the plastic version enable cutting to size at 2" (50 mm) intervals - minimum 2" and maximum 12" height. Additional units can be used (a maximum of 2 is recommended to ensure snake access is maintained and for structural stability).
Multiple risers can be used.

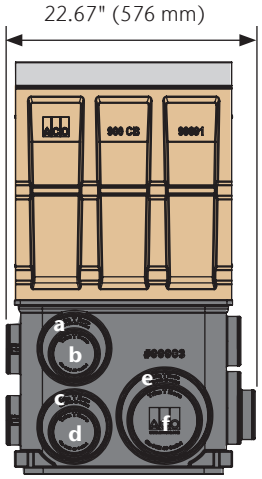
Base - Plastic or or polymer concrete base available. Plastic bases have a range of SCH 40 4", 6" and 8" cut-outs for easy pipe connection. Cut-outs on end and side allow connection of ACO foul air trap. Polymer concrete bases have drill-outs cast on sides for pipe connections.

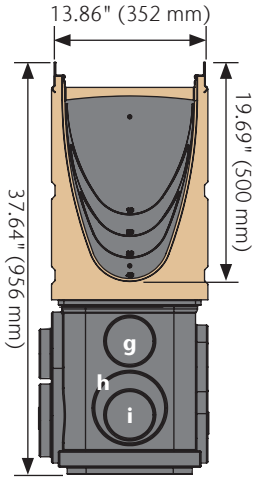
K3 SERIES 900 12" WIDE IN-LINE CATCH BASINS

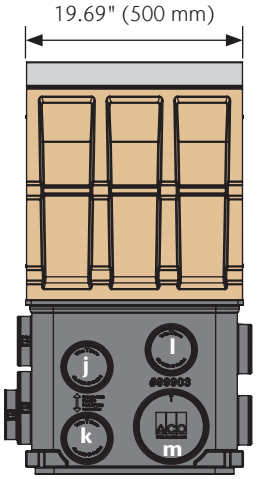


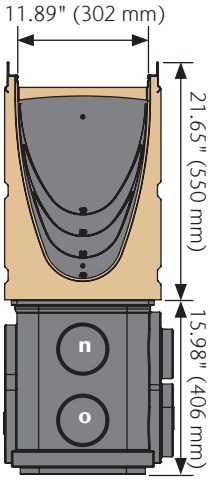
Catch Basin Dimensions & Outlet Flow Rates

K3-903G/S In-Line Catch Basin









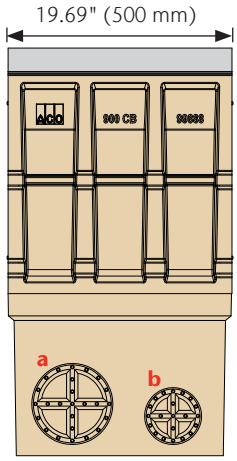
Catch Basin Outlet	Size (SCH 40)	Invert in	GPM	CFS
a	6"	29.15	626	1.40
b	4"	28.59	281	0.63
c	6"	36.28	707	1.57
d	4"	35.72	316	0.70
e	8"	36.28	1237	2.76
f	6"	35.72	701	1.56

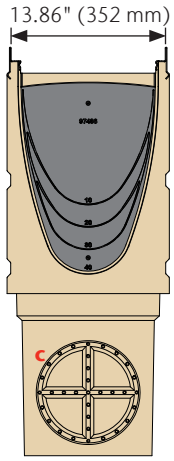
Catch Basin Outlet	Size (SCH 40)	Invert in	GPM	CFS
g	4"	27.65	276	0.61
h	6"	34.78	690	1.54
i	4"	34.36	310	0.69

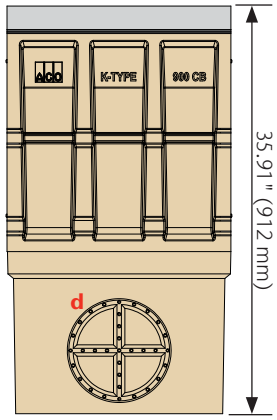
Catch Basin Outlet	Size (SCH 40)	Invert in	GPM	CFS
j	4"	29.80	287	0.64
k	4"	36.29	319	0.71
l	4"	28.22	279	0.62
m	6"	36.29	707	1.57

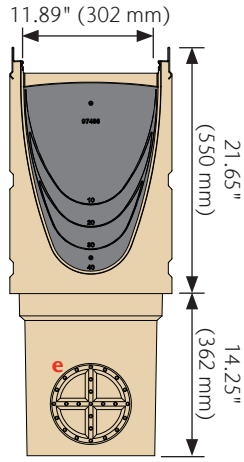
Catch Basin Outlet	Size (SCH 40)	Invert in	GPM	CFS
n	4"	28.37	280	0.62
o	4"	34.87	312	0.70

K3-907G/S In-Line Catch Basin









Catch Basin Outlet	Size (SCH 40)	Invert in	GPM	CFS
a	6"	34.35	686	1.53
b	4"	34.32	310	0.69

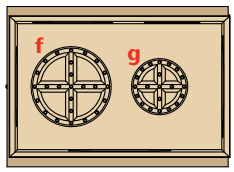
Catch Basin Outlet	Size (SCH 40)	Invert in	GPM	CFS
c	8"	34.35	1199	2.67

Catch Basin Outlet	Size (SCH 40)	Invert in	GPM	CFS
d	8"	34.35	1199	2.67

Catch Basin Outlet	Size (SCH 40)	Invert in	GPM	CFS
e	6"	34.35	686	1.53

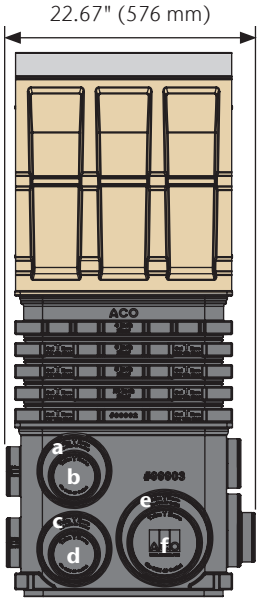
Note: These are pipe flow rates at specified outlets, NOT channel flow rates. Catch basin flow rates are listed without a trash bucket—using a trash bucket reduces flow.

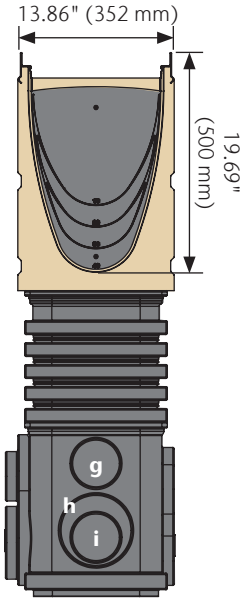
Underside

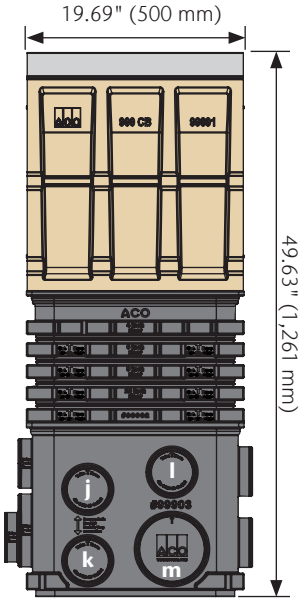


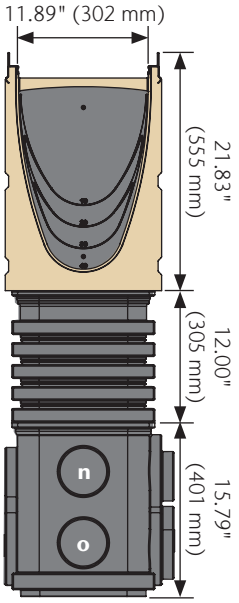
Catch Basin Outlet	Size (SCH 40)	Invert in	GPM	CFS
f	6"	35.90	734	1.69
g	4"	35.90	326	0.75

K3-904G/S In-Line Catch Basin









Catch Basin Outlet	Size (SCH 40)	Invert in	GPM	CFS
a	6"	41.15	757	1.69
b	4"	40.59	338	0.75
c	6"	48.28	824	1.84
d	4"	47.72	368	0.82
e	8"	48.28	1449	3.23
f	6"	47.72	819	1.83

Catch Basin Outlet	Size (SCH 40)	Invert in	GPM	CFS
g	4"	39.65	334	0.74
h	6"	46.78	810	1.81
i	4"	46.36	363	0.81

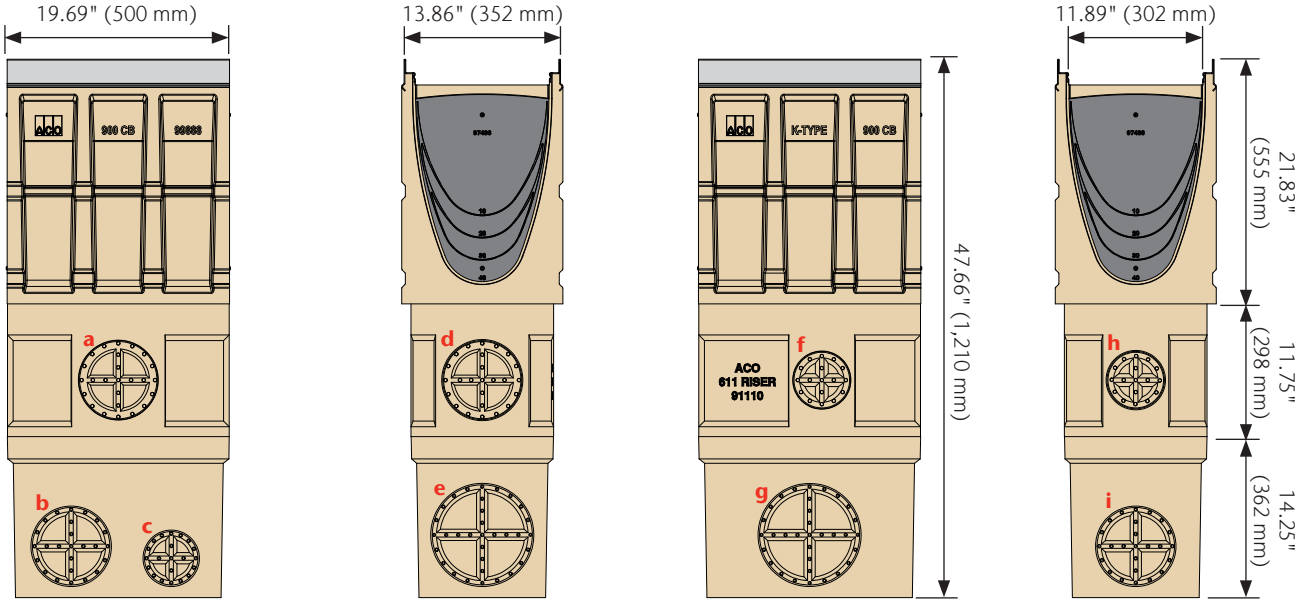
Catch Basin Outlet	Size (SCH 40)	Invert in	GPM	CFS
j	4"	41.80	343	0.77
k	4"	48.29	370	0.83
l	4"	40.22	337	0.75
m	6"	48.29	824	1.84

Catch Basin Outlet	Size (SCH 40)	Invert in	GPM	CFS
n	4"	40.37	337	0.75
o	4"	46.87	365	0.81

Note: These are pipe flow rates at specified outlets, NOT channel flow rates. Catch basin flow rates are listed without a trash bucket—using a trash bucket reduces flow.

Catch Basin Dimensions & Outlet Flow Rates (cont.)

K3-908G/S In-Line Catch Basin



Catch Basin Outlet	Size (SCH 40)	Invert in	GPM	CFS
a	6"	31.65	655	1.51
b	6"	46.35	806	1.85
c	4"	46.42	363	0.83

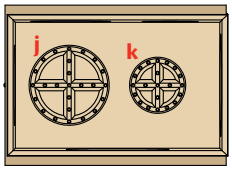
Catch Basin Outlet	Size (SCH 40)	Invert in	GPM	CFS
d	6"	31.65	655	1.51
e	8"	46.35	1416	3.26

Catch Basin Outlet	Size (SCH 40)	Invert in	GPM	CFS
f	4"	30.65	291	0.67
g	8"	46.35	1416	3.26

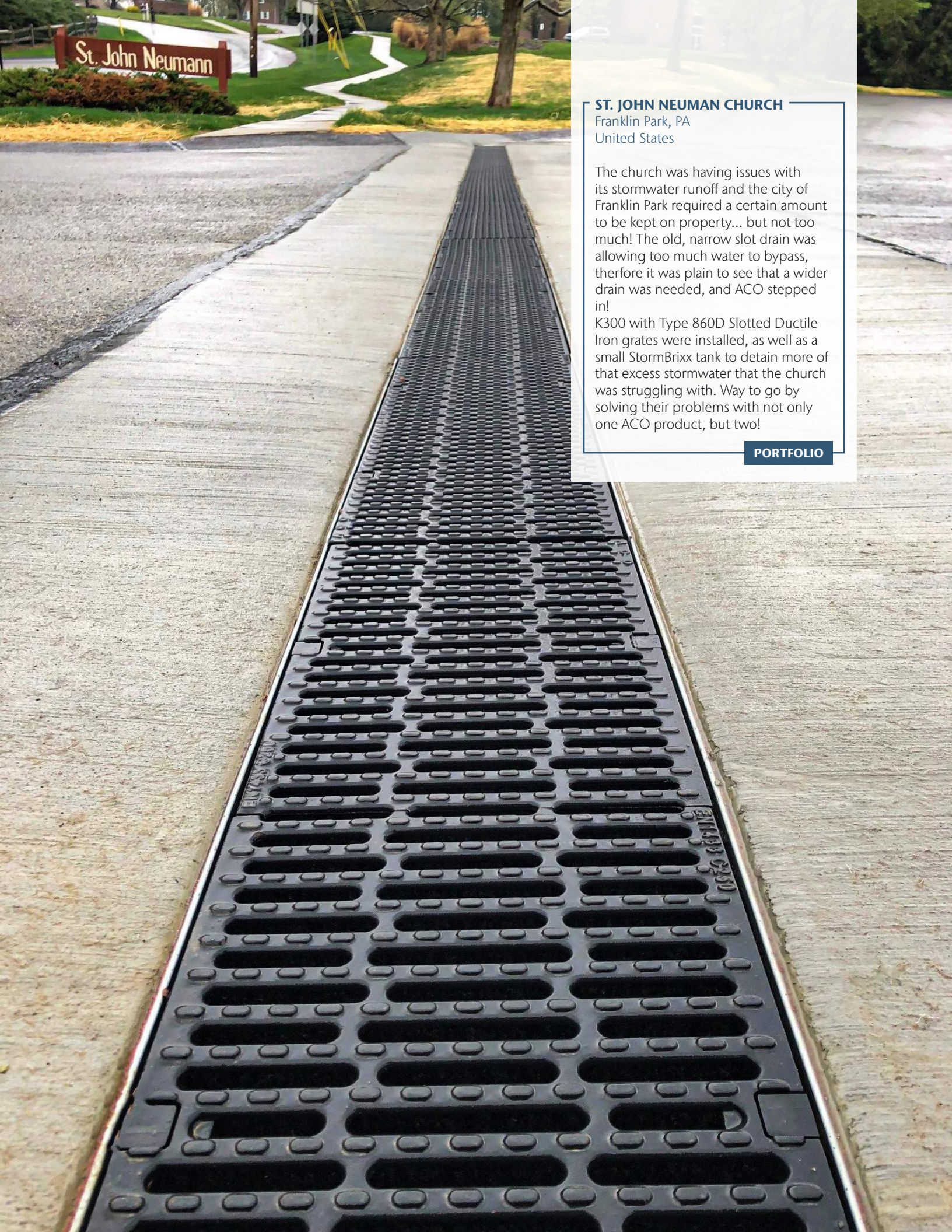
Catch Basin Outlet	Size (SCH 40)	Invert in	GPM	CFS
h	4"	30.65	291	0.67
i	6"	46.35	806	1.85

Note: These are pipe flow rates at specified outlets, NOT channel flow rates. Catch basin flow rates are listed without a trash bucket—using a trash bucket reduces flow.

Underside



Catch Basin Outlet	Size (SCH 40)	Invert in	GPM	CFS
j	6"	47.66	845	1.94
k	4"	47.66	376	0.86



ST. JOHN NEUMAN CHURCH

Franklin Park, PA
United States

The church was having issues with its stormwater runoff and the city of Franklin Park required a certain amount to be kept on property... but not too much! The old, narrow slot drain was allowing too much water to bypass, therfore it was plain to see that a wider drain was needed, and ACO stepped in!

K300 with Type 860D Slotted Ductile Iron grates were installed, as well as a small StormBrixx tank to detain more of that excess stormwater that the church was struggling with. Way to go by solving their problems with not only one ACO product, but two!

PORTFOLIO

K300/KS300 Grates - DrainLok

KEY

ADA Compliant
Compliant with Americans with Disabilities Act of 2010, Section 302.3 (page 174)

Heel-Resistant
ASME A112.6.3 - 2001 Heel-resistant slot width less than 0.31" (8 mm) (page 174)

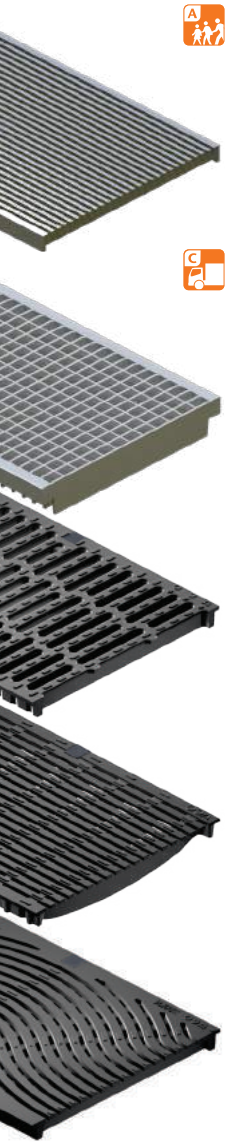
Heel-Safe
Heel-safe slot width equal or less than 0.25" (6.5 mm) (page 174)

Slip-Resistant Grates
BPN over 24 (page 174)

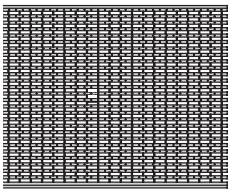
Bicycle-Safe
Compliant to Australian Standard AS 3996 - 2006 (page 174)

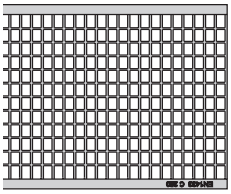
Non-Metallic
No metallic/magnetic parts included (page 170)

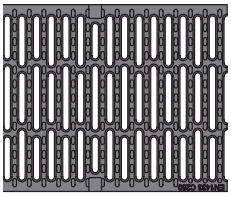
For details on how psi is determined, see pages 161-166.

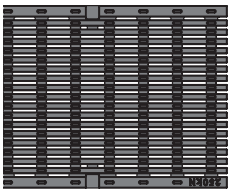


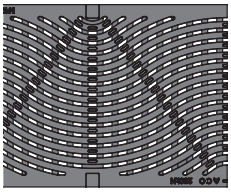
	Part No.	Length in (m)	Slot Size in	Intake Area in²	Weight lbs					
LOAD CLASS A (EN 1433 - 15 KN) - 3,372 LBS - 58 PSI (PEDESTRIAN TRAFFIC)										
LONGITUDINAL STEEL[1]										
Type 847D - Stainless	**142223**	39.37 (1.0)	0.81 x 0.24	263.2	29.0	✓	✓	✓	✓	✓
Type 848D - Stainless	**142224**	19.69 (0.5)		131.6	14.0					
LOAD CLASS C (EN 1433 - 250 KN) - 56,202 LBS - 967 PSI (COMMERCIAL VEHICLE TRAFFIC)										
MESH STEEL										
Type 805D - Galvanized	**133675**	19.69 (0.5)	0.63 x 0.87	163.7	26.2	✓	✗	✗	✗	✓
Type 830D - Stainless[1]	**133678**	19.69 (0.5)		163.7	29.5					
SLOTTED IRON[4]										
Type 860D - Iron	**13870**	19.69 (0.5)	0.47 x 2.57 avg.	88.1	38.0	✓	✗	✗	✗	✓
LONGITUDINAL IRON[4]										
Type 876D - Iron	**99588**	19.69 (0.5)	1.97 x 0.24	64.3	35.0	✓	✓	✓	✓	✓
WAVE IRON[4]										
Type 880D - Iron	**99581**	19.69 (0.5)	0.27 x 0.9 avg.	88.5	37.0	✓	✓	✓	✗	✓











Notes
1. Grade 304 stainless steel 2. Polypropylene material 3. Ductile iron to ASTM A536 Grade 65-45-12 4. Ductile iron to ASTM A536 Grade 80-55-06

DRAINLOK - BOLTLESS & BARLESS LOCKING SYSTEM

Factory-fitted locking device removes need for bolts and bars and improves channel hydraulic capacity. The DrainLok mechanism clips into channel edge rail for rapid installation. DrainLok grates are fit with an anti-shunt mechanism that restricts unwanted grate movement when installed, improving durability and longevity of the system.

1

Fit grate

Position grate onto channel and align anti-shunt detail with recess in rail.

2

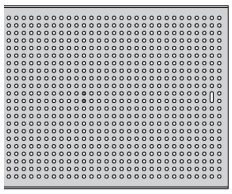
Push down or stand on grate until it clicks into position.

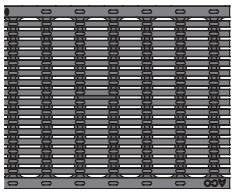
3

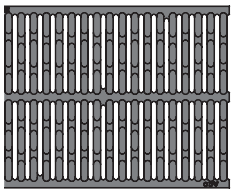
Remove grate

To remove first grate, insert grate removal tool into slots at end of grate, pull up sharply. Remaining grates can be removed by hand.

K300/KS300 Grates - QuickLok®







	Part No.	Length in (m)	Slot Size in	Intake Area in²	Weight lbs					
LOAD CLASS C (EN 1433 - 250 KN) - 56,202 LBS - 967 PSI (COMMERCIAL VEHICLE TRAFFIC)										
PERFORATED STEEL										
Type 811Q - Galvanized	**98967**	39.37 (1.0)		63.8	30.9	×				
Type 813Q - Galvanized	**98966**	19.69 (0.5)		31.9	15.0	×				
			Ø 0.25				✓	✓	✓	✓
Type 865Q - Stainless[1]	**98968**	39.37 (1.0)		63.8	30.9	✓				
Type 866Q - Stainless[1]	**98969**	19.69 (0.5)		31.9	15.0	✓				
LOAD CLASS E (EN 1433 - 600 KN) - 134,885 LBS - 2,321 PSI (INDUSTRIAL TRAFFIC)										
LONGITUDINAL IRON[4]										
Type 878Q - Iron	**138130**	19.69 (0.5)	1.0 x 0.31	61.8	52.0	✓	✓	✓	✓	✓
SLOTTED IRON[4]										
Type 861Q - Iron	**10431**	19.69 (0.5)	0.39 x 5.71	97.0	58.0	✓	×	×	×	✓

QUICKLOK® - BOLTLESS LOCKING SYSTEM

1

Fit locking bar

Locate locking bar in channel wall recesses by rotating clockwise.

2

Use hammer to tap bar into place, so that serrated ends grip in recess.

3

Fit grate

To install grate, align QuickLok® stud directly over locking bar.

4

Push down or stand on grate until it clicks into position.

5

Remove grate

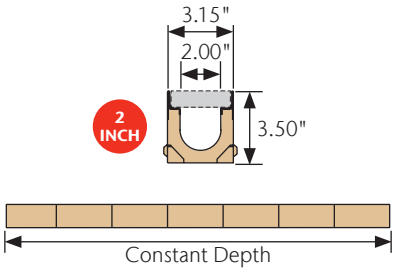
To remove first grate, insert grate removal tool into slots at end of grate, pull up sharply. Remaining grates can be removed by hand.

6

To remove bar, remove clips then insert screwdriver into hole at end of bar and lever back serrated end, rotate bar free.

MiniKlassik K50/KS50

2" Internal Width General Purpose System



K50 is a 2" internal width system with galvanized steel edge rail for high profile, aesthetic applications where a barrier is required to separate wet and dry areas.

KS50 is the same system, but the edge rail is grade 304 stainless steel. KS50 should be used where increased aesthetics are required, or where increased corrosion resistance is required.

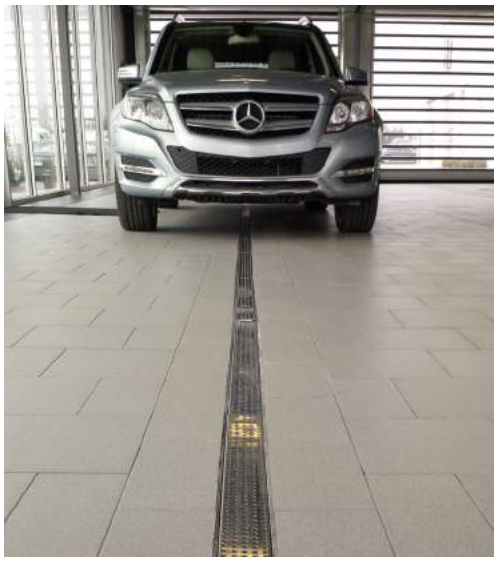
EN 1433 does not cover grates for 2" (50 mm) internal width trench drains, but grates have been load tested in accordance with EN 1433 guidelines. Grates feature patented DrainLok boltless locking systems. Loading is determined by grate up to Load Class C (25 ton).

Typical Applications:

- Pedestrian plazas
- Aesthetic areas
- Paved areas
- Sidewalks

MINIKLASSIK K50/KS50 SELECTION CRITERIA

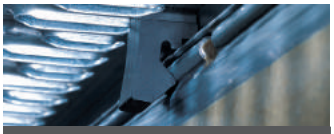
A ▶▶▶▶ C	Light to medium duty loads
	Product can be used towards LEED & EPA requirements
	Resistant to many everyday chemicals
	Multiple grate options to meet legal requirements
SAFE	Multiple grate options to meet design requirements
	Limited hydraulic capacity
	Constant depth channels



MiniKlassik Features

Wide Choice of Grates

Various materials and styles (including ADA compliant) for applications from Load Class A to Load Class C.

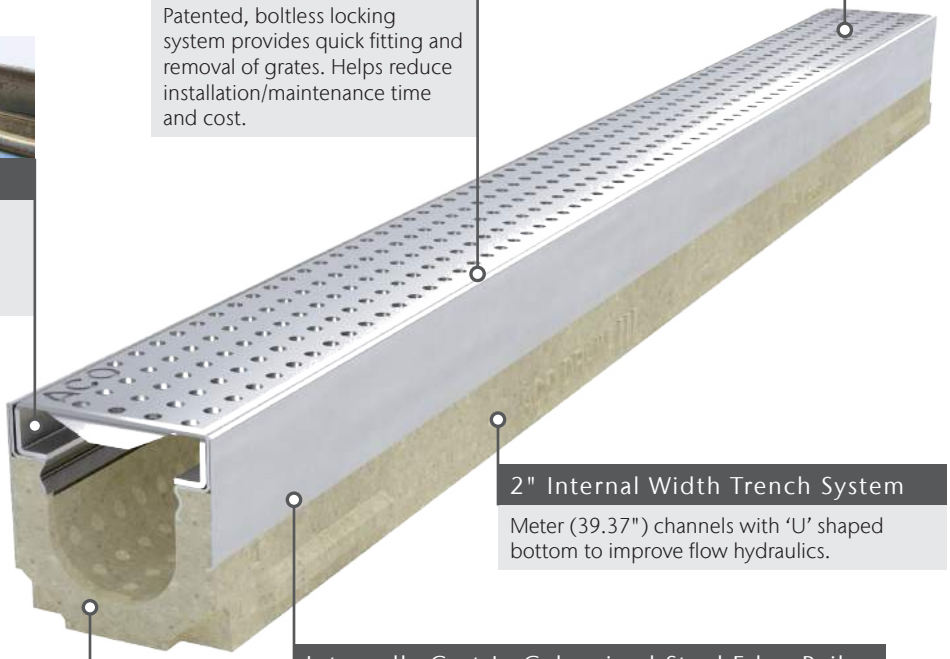


DrainLok

Patented, boltless locking system provides quick fitting and removal of grates. Helps reduce installation/maintenance time and cost.

Anti-Shunt Lugs

Protrusions in grate fit into recesses on the edge rail to prevent longitudinal movement.



2" Internal Width Trench System

Meter (39.37") channels with 'U' shaped bottom to improve flow hydraulics.

Integrally Cast-In Galvanized Steel Edge Rail

Provides additional strength and protects the channel edge from damage. Stainless steel edge rail also available.

Interconnecting End Profiles

Allow easy and effective joining of channels. Appropriate sealant can be used to create a sealed joint.

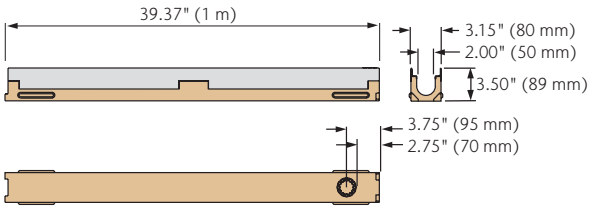
K50/KS50 Parts

	Part No.		Invert Depth	Overall Depth	Volume	Weight
	K50	**KS50**	in (mm)	in (mm)	gal	lbs
Constant Depth Channel - 39.37" (1 m)	**04071**	**06750**	2.90 (74)	3.50 (89)	0.64	18.0
Steel Closing Cap	**95395**	**95403**	-	3.50 (89)	-	0.3

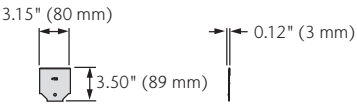
Notes

1. Preformed 1.5" dia. drill-out outlet on underside of channel provides a flow rate of 12.7 GPM - 0.03 CFS.
2. MiniKlassik does not fit with any ACO catch basin - discharge through vertical outlet only or contact ACO for additional advice.

Meter Channel



Closing Cap

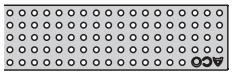


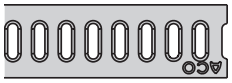
KEY

- **ADA Compliant** — Compliant with Americans with Disabilities Act of 2010, Section 302.3 (page 174)
- **Heel-Resistant** — ASME A112.6.3 - 2001 Heel-resistant slot width less than 0.31" (8 mm) (page 174)
- **Heel-Safe** — Heel-safe slot width equal or less than 0.25" (6.5 mm) (page 174)
- **Slip-Resistant Grates** — BPN over 24 (page 174)
- **Bicycle-Safe** — Compliant to Australian Standard AS 3996 - 2006 (page 174)
- **Non-Metallic** — No metallic/magnetic parts included (page 170)

For details on how psi is determined, see pages 161-166.

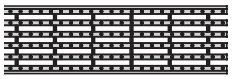
K50/KS50 Grates - Non-Locking

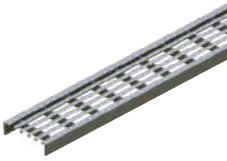


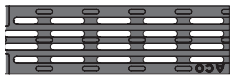


	Part No.	Length in (m)	Slot Size in	Intake Area in²	Weight lbs					
LOAD CLASS A (EN 1433 - 15 KN) - 3,372 LBS - 70 PSI (PEDESTRIAN TRAFFIC)										
PERFORATED STEEL										
Type 210D - Galvanized	**94699**	39.37 (1.0)	Ø 0.23	14.5	4.0	×	✓	✓	✓	✓
Type 251D - Stainless[1]	**95165**	39.37 (1.0)		14.5	4.0					
SLOTTED STEEL										
Type 220D - Galvanized	**95537**	39.37 (1.0)	1.20 x 0.50	18.7	4.0	×	×	×	×	✓
Type 250D - Stainless[1]	**95545**	39.37 (1.0)		18.7	4.0					

K50/KS50 Grates - DrainLok[5]







	Part No.	Length in (m)	Slot Size in	Intake Area in²	Weight lbs					
LOAD CLASS A (EN 1433 - 15 KN) - 3,372 LBS - 70 PSI (PEDESTRIAN TRAFFIC)										
MOSAIC PLASTIC[2]										
Type 200D - Black	**138104**	19.69 (0.5)	0.3 x 1.2 avg.	11.6	0.7	×	✓	✓	×	✓
Type 201D - Gray	**138105**	19.69 (0.5)		11.6	0.7					
Type 202D - Tan	**138106**	19.69 (0.5)		11.6	0.7					
LOAD CLASS B (EN 1433 - 125 KN) - 28,101 LBS - 580 PSI (LIGHT DUTY TRAFFIC)										
LONGITUDINAL STEEL[1]										
Type 247D - Stainless	**142436**	39.37 (1.0)	1.46 x 0.24	14.9	5.9	✓	✓	✓	✓	✓
LOAD CLASS C (EN 1433 - 250 KN) - 56,202 LBS - 1,160 PSI (COMMERCIAL VEHICLE TRAFFIC)										
LONGITUDINAL IRON[4]										
Type 276D - Iron	**138107**	19.69 (0.5)	1.5 x 0.29	17.4	7.3	×	✓	✓	×	✓

Notes
1. *Grade 304 stainless steel*
2. *Polypropylene material*
3. *Ductile iron to ASTM A536 Grade 65-45-12*
4. *Ductile iron to ASTM A536 Grade 80-55-06*
5. *DrainLok locking information can be found on page 36*