



KlassikDrain Section

General purpose trench drainage

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This PDF relates to this section only

ACO Drain offer a comprehensive 128 page catalog covering everything you need to know about trench drainage and the products and services available.

To ease electronic transmission of data the catalog has been divided into sections - for a hard copy or other sections call (800) 543-4764 or go to www.acousa.com.

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Typical applications

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



K100S KS100S

The world's most popular general purpose trench drain system is available with a wide variety of grates in different materials, slot configurations, and load ratings.

Grates are secured into the channel by ACO's patented boltless locking device - QuickLok.

KlassikDrain's interconnecting polymer concrete channels feature an integrally cast-in galvanized or stainless steel wearing edge rail, and come in sloped and neutral depths.

A full range of accessories completes the system.



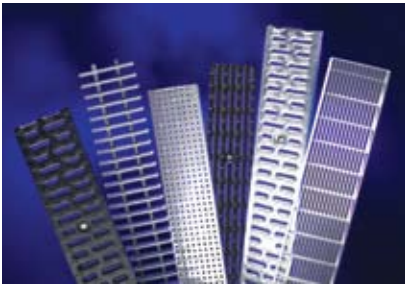


KlassikDrain

General purpose trench drainage



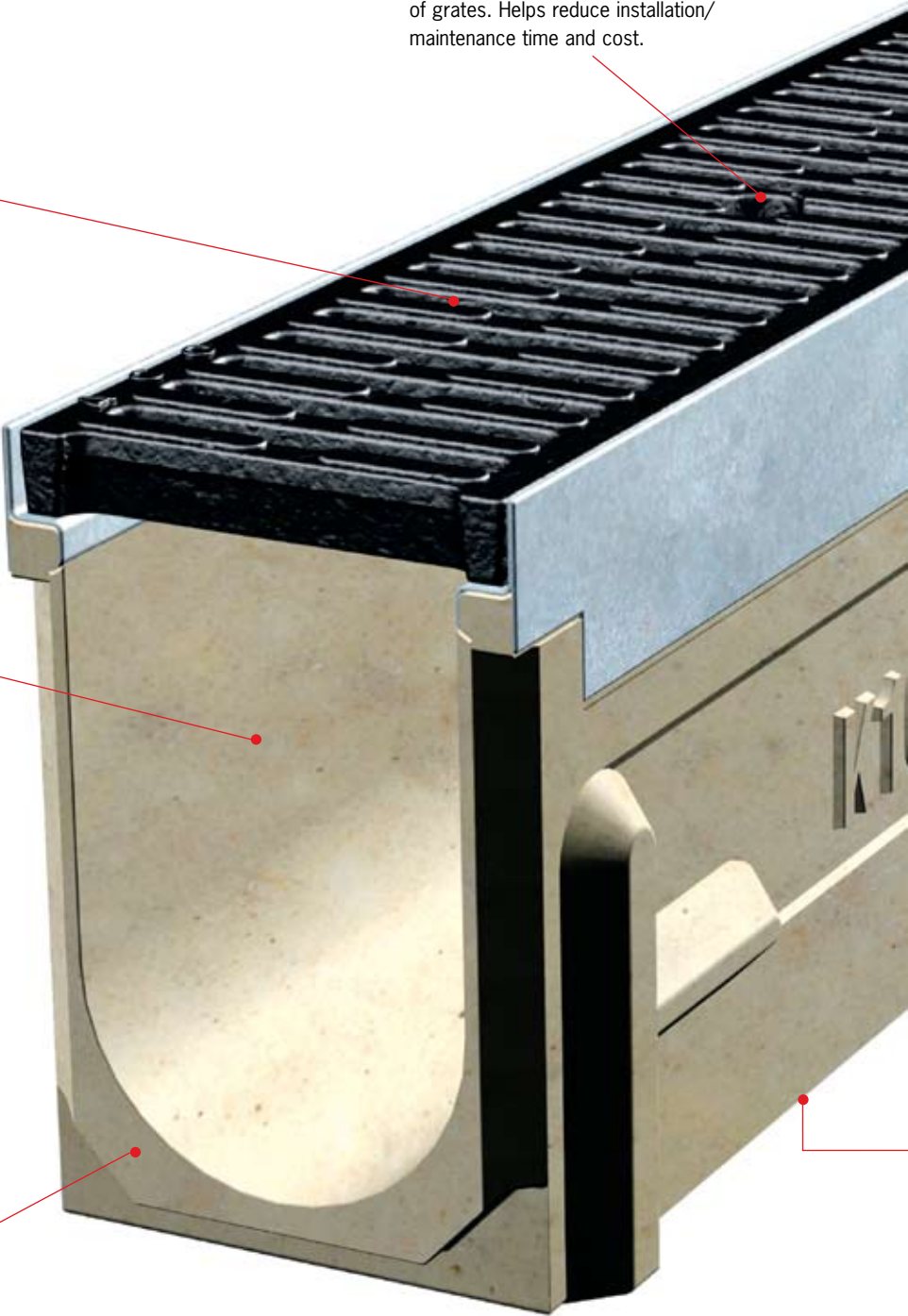
KlassikDrain Features



Wide choice of grates in various materials and styles (including ADA compliant) for applications from Load Class A to Load Class E.



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



4" internal width trench system - meter (39.37") and half meter (19.69") channel. 'U' shaped bottom improves flow hydraulics.



Interconnecting end profiles allow easy and effective joining of channels. Appropriate sealant can be used to create a sealed joint.

Sloped (0.6%) channel units - meter long units provide 98'-5" continuous slope. This equates to $\frac{1}{16}$ " fall per linear foot. Neutral units can be used to extend run lengths.

Integrally cast-in galvanized steel edge rail provides additional strength and protects channel body from damage. (Stainless steel edge rail also available - KS100S).

Polymer concrete - a durable, yet lightweight, material made from polyester resin binder reinforced by mineral aggregates and fillers. It provides up to four times the compressive strength of cement concrete.
See page 22 for material properties.

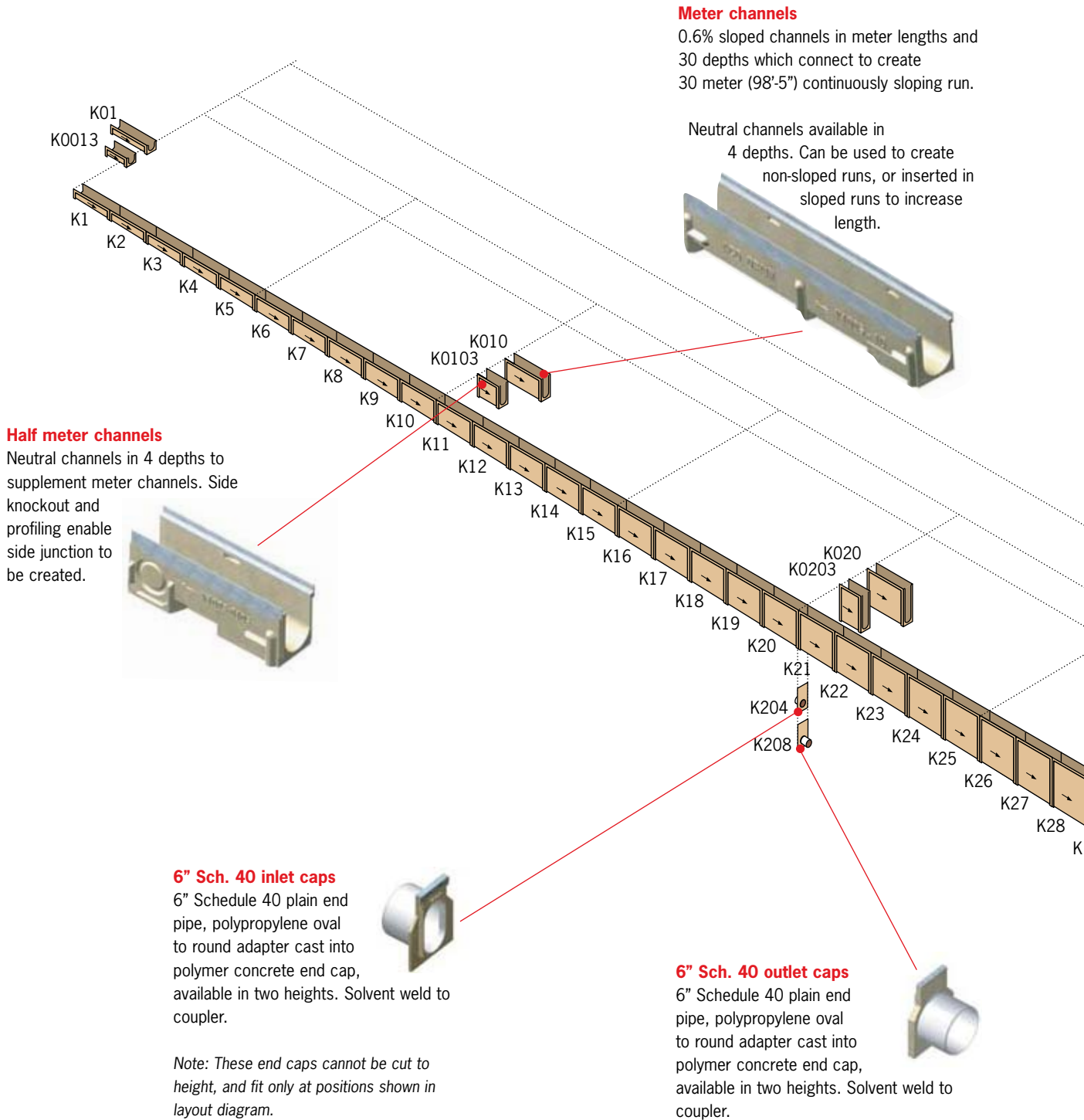
Profiled side walls - strengthening pillars and frost keys provide channel body strength and mechanical keying to surrounding concrete.

Direction arrows on the sides of the channel indicate flow direction and ensure channels are installed correctly.

Bottom drill-outs are included on all channel units to allow vertical evacuation of the system along the run. Schedule 40 drill outs are sized for 4" and 6" pipes.
Note: For 6" pipes, an oval to round adapter is required (Part No. 95140).
See page 54 for details.



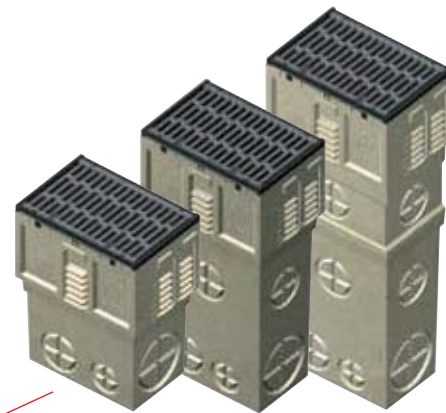
System layout



Closing/4" inlet/outlet cap

Fits all channels. Manufactured from gray ABS to complement edge rail. Guides aid cutting to correct height. 4" bell end connection to Schedule 40 pipe. Seal using PVC-ABS cement.

Note: For depth 1-10 channels ACO recommends removal of unused sections of bell end to ensure adequate pavement material coverage.

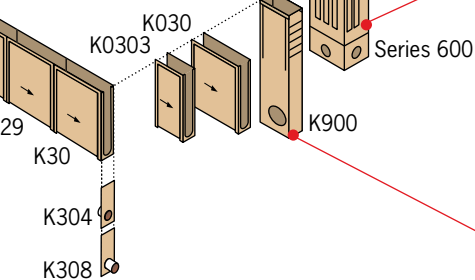


Series 600 catch basins

Catch basins with 4", 6" and 8" drill-outs for pipe connection. Supplied complete with grate. Available with plastic trash bucket or filter bag. Riser unit fits between top and bottom unit. Options include a choice of deep or short bases.

Any channel can be connected into the catch basin by removing the end wall to the correct height. Drill-outs guide connection to channels 5, 10, 15, 20, 25 and 30.

See page 52 for details.



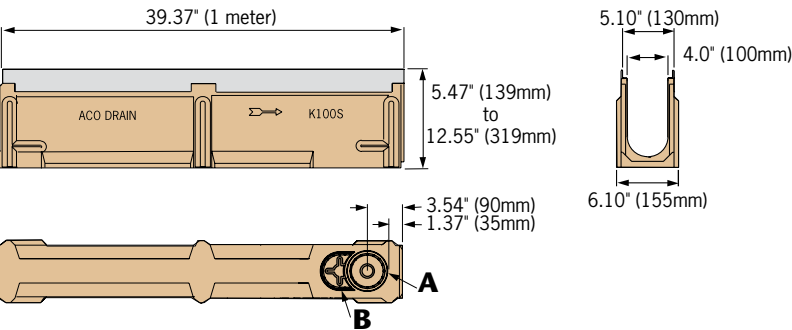
K900 catch basin

In-line catch basin with 4" and 6" drill-outs for pipe connection. Available with plastic trash bucket. Options include in-line or side foul air trap.

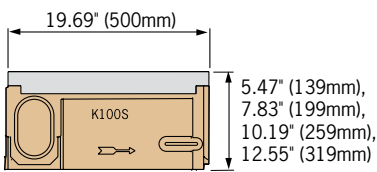
Any channel can be connected into the catch basin by removing the end wall to the correct height. Drill-outs guide connection to channels 5, 10, 15, 20, 25 and 30.



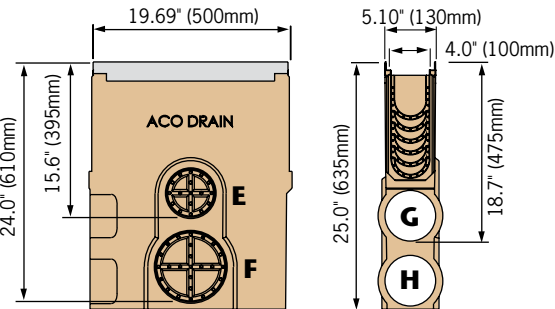
One meter channel



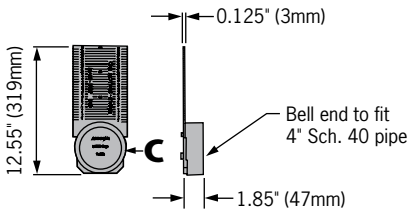
Half meter channel



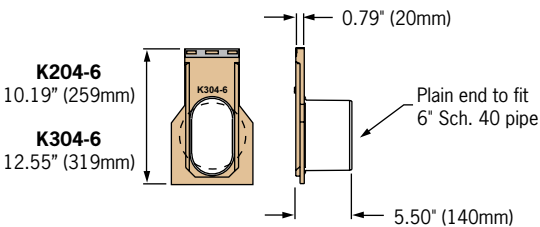
In-line catch basin



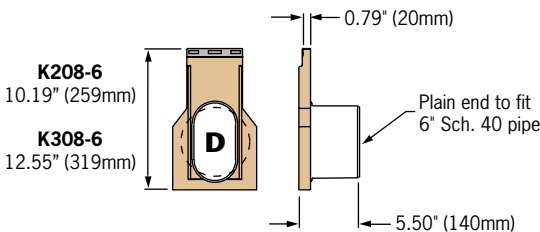
Closing/inlet/outlet cap



6" Oval inlet cap



6" Oval outlet cap



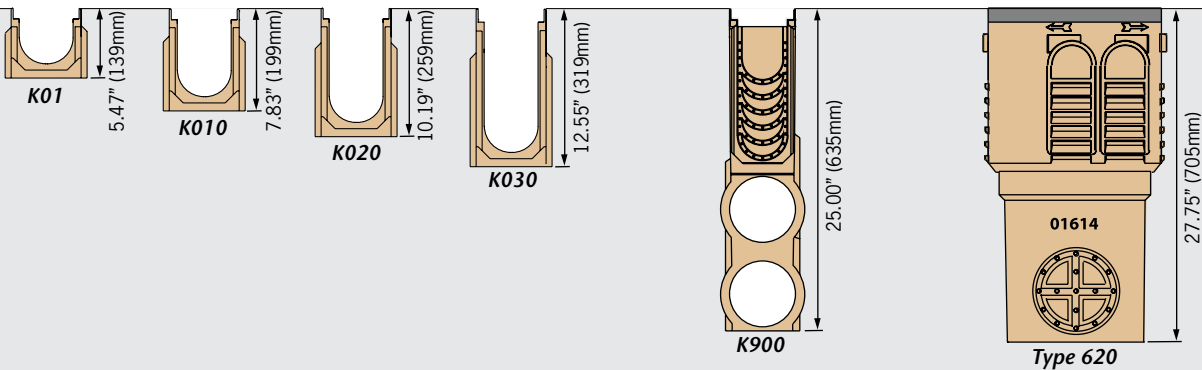
Outlet flow rates

Outlet	Product	Outlet Size (Sch 40)	Invert Depth	GPM	CFS
A	K01 channel	4" round	4.60	117	0.26
A	K030 channel	4" round	11.69	185	0.41
B	K01 channel	6" oval	4.60	183	0.40
B	K030 channel	6" oval	11.69	288	0.64
C	K010 channel	4" round	6.96	119	0.27
C	K030 channel	4" round	11.69	168	0.39
D	K020 channel	6" oval	9.33	220	0.50
D	K030 channel	6" oval	11.69	255	0.59
E	K900*	4" round	15.60	200	0.45
F	K900*	6" round	24.00	561	1.25
G	K900*	4" round	18.70	222	0.49
H	K900*	4" round	24.00	255	0.59

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

* K900 flow rates without trash bucket - using trash bucket reduces flow.

Ground line



See page 52 for details on 620 & 630 catch basins

K100S Parts list

Description	Part No	Invert Depth				Overall Depth				Weight lbs
		inches		mm		inches		mm		
		Female	Male	Female	Male	Female	Male	Female	Male	
K01 Neutral channel - 39.37" (1m)	04040	4.60	4.60	117	117	5.47	5.47	139	139	27.6
K0013 Neutral channel - 19.69" (0.5m)	04035	4.60	4.60	117	117	5.47	5.47	139	139	16.5
K1 Sloped channel - 39.37" (1m)	04041	4.60	4.84	117	123	5.47	5.70	139	145	28.4
K2 Sloped channel - 39.37" (1m)	04042	4.84	5.07	123	129	5.70	5.94	145	151	29.3
K3 Sloped channel - 39.37" (1m)	04043	5.07	5.31	129	135	5.94	6.18	151	157	30.1
K4 Sloped channel - 39.37" (1m)	04044	5.31	5.55	135	141	6.18	6.41	157	163	30.9
K5 Sloped channel - 39.37" (1m)	04045	5.55	5.78	141	147	6.41	6.65	163	169	31.8
K6 Sloped channel - 39.37" (1m)	04046	5.78	6.02	147	153	6.65	6.88	169	175	32.6
K7 Sloped channel - 39.37" (1m)	04047	6.02	6.25	153	159	6.88	7.12	175	181	33.5
K8 Sloped channel - 39.37" (1m)	04048	6.25	6.49	159	165	7.12	7.36	181	187	34.3
K9 Sloped channel - 39.37" (1m)	04049	6.49	6.73	165	171	7.36	7.59	187	193	35.1
K10 Sloped channel - 39.37" (1m)	04050	6.73	6.96	171	177	7.59	7.83	193	199	35.7
K010 Neutral channel - 39.37" (1m)	99272	6.96	6.96	177	177	7.83	7.83	199	199	36.8
K0103 Neutral channel - 19.69" (0.5m)	99281	6.96	6.96	177	177	7.83	7.83	199	199	20.5
K11 Sloped channel - 39.37" (1m)	04051	6.96	7.20	177	183	7.83	8.07	199	205	37.6
K12 Sloped channel - 39.37" (1m)	04052	7.20	7.44	183	189	8.07	8.31	205	211	38.5
K13 Sloped channel - 39.37" (1m)	04053	7.44	7.68	189	195	8.31	8.54	211	217	39.3
K14 Sloped channel - 39.37" (1m)	04054	7.68	7.92	195	201	8.54	8.78	217	223	40.1
K15 Sloped channel - 39.37" (1m)	04055	7.92	8.14	201	207	8.78	9.01	223	229	41.0
K16 Sloped channel - 39.37" (1m)	04056	8.14	8.38	207	213	9.01	9.25	229	235	41.8
K17 Sloped channel - 39.37" (1m)	04057	8.38	8.62	213	219	9.25	9.48	235	241	42.7
K18 Sloped channel - 39.37" (1m)	04058	8.62	8.86	219	225	9.48	9.72	241	247	43.5
K19 Sloped channel - 39.37" (1m)	04059	8.86	9.09	225	231	9.72	9.96	247	253	44.3
K20 Sloped channel - 39.37" (1m)	04060	9.09	9.33	231	237	9.96	10.19	253	259	45.2
K020 Neutral channel - 39.37" (1m)	99295	9.33	9.33	237	237	10.19	10.19	259	259	46.0
K0203 Neutral channel - 19.69" (0.5m)	99304	9.33	9.33	237	237	10.19	10.19	259	259	24.5
K21 Sloped channel - 39.37" (1m)	04061	9.33	9.56	237	243	10.19	10.43	259	265	46.8
K22 Sloped channel - 39.37" (1m)	04062	9.56	9.80	243	249	10.43	10.66	265	271	47.7
K23 Sloped channel - 39.37" (1m)	04063	9.80	10.04	249	255	10.66	10.90	271	277	48.5
K24 Sloped channel - 39.37" (1m)	04064	10.04	10.27	255	261	10.90	11.14	277	283	49.3
K25 Sloped channel - 39.37" (1m)	04065	10.27	10.51	261	267	11.14	11.38	283	289	50.2
K26 Sloped channel - 39.37" (1m)	04066	10.51	10.74	267	273	11.38	11.61	289	295	51.0
K27 Sloped channel - 39.37" (1m)	04067	10.74	10.98	273	279	11.61	11.85	295	301	51.9
K28 Sloped channel - 39.37" (1m)	04068	10.98	11.22	279	285	11.85	12.08	301	307	52.7
K29 Sloped channel - 39.37" (1m)	04069	11.22	11.45	285	291	12.08	12.32	307	313	53.5
K30 Sloped channel - 39.37" (1m)	04070	11.45	11.69	291	297	12.32	12.55	313	319	54.4
K030 Neutral channel - 39.37" (1m)	99317	11.69	11.69	297	297	12.55	12.55	319	319	55.8
K0303 Neutral channel - 19.69" (0.5m)	99328	11.69	11.69	297	297	12.55	12.55	319	319	29.0
In-line Catch Basins - For information on Series 600 catch basins see page 52										
K900 In-line catch basin - 19.69" (0.5m)	96504	24.00	24.00	610	610	25.00	25.00	635	635	71.2
K900 QuickLok bar (removable)	98717	-	-	-	-	-	-	-	-	0.1
Series 900 plastic trash bucket	01498	-	-	-	-	9.33	9.33	237	237	1.1
Foul air trap (See page 54)	90854	-	-	-	-	-	-	-	-	1.2
Accessories										
Universal plastic closing/4" inlet/outlet cap	96825	-	-	-	-	12.55	12.55	319	319	0.4
K204-6 6" Inlet cap	97153	-	9.33	-	237	-	10.19	-	259	3.2
K208-6 6" Outlet cap	97212	9.33	-	237	-	10.19	-	259	-	3.2
K304-6 6" Inlet cap	97126	-	11.69	-	297	-	12.55	-	319	3.6
K308-6 6" Outlet cap	97188	11.69	-	297	-	12.55	-	319	-	3.6
Type 824 6" Sch. 40 oval to round outlet	95140	-	-	-	-	-	-	-	-	1.1
QuickLok locking bar	02899	-	-	-	-	-	-	-	-	0.1
QuickLok/PowerLok grate removal tool	01318	-	-	-	-	-	-	-	-	0.3

Notes:

1. Preformed 4" dia. & 6" flumed drill-outlet cast on underside of every channel
2. Closing cap can be cut down to suit all channels
3. See pages 36-39 for grate details

KlassikDrain - KS100S

KS100S is the KlassikDrain K100S system, which has the integrally cast-in galvanized steel rail replaced by a stainless steel edge rail.

KS100S is used for high profile applications, or where increased corrosion resistance is required - but Vinyl ester polymer concrete is not necessary.

ACO recommends the use of non-galvanized steel grates with KS100S to avoid galvanic corrosion (where galvanized steel reacts with stainless steel).

See pages 36 to 39 for grate details.



KS100S Parts list

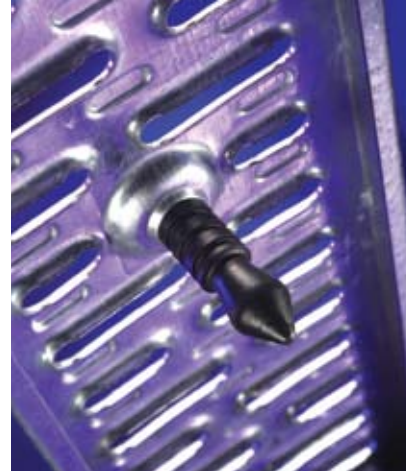
Description	Part No	Invert Depth				Overall Depth				Weight lbs
		inches		mm		inches		mm		
		Female	Male	Female	Male	Female	Male	Female	Male	
KS01 Neutral channel - 39.37" (1m)	06740	4.60	4.60	117	117	5.47	5.47	139	139	27.6
KS0013 Neutral channel - 19.69" (0.5m)	06790	4.60	4.60	117	117	5.47	5.47	139	139	16.5
KS1 Sloped channel - 39.37" (1m)	06751	4.60	4.84	117	123	5.47	5.70	139	145	28.4
KS2 Sloped channel - 39.37" (1m)	06752	4.84	5.07	123	129	5.70	5.94	145	151	29.3
KS3 Sloped channel - 39.37" (1m)	06753	5.07	5.31	129	135	5.94	6.18	151	157	30.1
KS4 Sloped channel - 39.37" (1m)	06754	5.31	5.55	135	141	6.18	6.41	157	163	30.9
KS5 Sloped channel - 39.37" (1m)	06755	5.55	5.78	141	147	6.41	6.65	163	169	31.8
KS6 Sloped channel - 39.37" (1m)	06756	5.78	6.02	147	153	6.65	6.88	169	175	32.6
KS7 Sloped channel - 39.37" (1m)	06757	6.02	6.25	153	159	6.88	7.12	175	181	33.5
KS8 Sloped channel - 39.37" (1m)	06758	6.25	6.49	159	165	7.12	7.36	181	187	34.3
KS9 Sloped channel - 39.37" (1m)	06759	6.49	6.73	165	171	7.36	7.59	187	193	35.1
KS10 Sloped channel - 39.37" (1m)	06760	6.73	6.96	171	177	7.59	7.83	193	199	35.7
KS010 Neutral channel - 39.37" (1m)	99362	6.96	6.96	177	177	7.83	7.83	199	199	36.8
KS0103 Neutral channel - 19.69" (0.5m)	99374	6.96	6.96	177	177	7.83	7.83	199	199	20.5
KS11 Sloped channel - 39.37" (1m)	06761	6.96	7.20	177	183	7.83	8.07	199	205	37.6
KS12 Sloped channel - 39.37" (1m)	06762	7.20	7.44	183	189	8.07	8.31	205	211	38.5
KS13 Sloped channel - 39.37" (1m)	06763	7.44	7.68	189	195	8.31	8.54	211	217	39.3
KS14 Sloped channel - 39.37" (1m)	06764	7.68	7.92	195	201	8.54	8.78	217	223	40.1
KS15 Sloped channel - 39.37" (1m)	06765	7.92	8.14	201	207	8.78	9.01	223	229	41.0
KS16 Sloped channel - 39.37" (1m)	06766	8.14	8.38	207	213	9.01	9.25	229	235	41.8
KS17 Sloped channel - 39.37" (1m)	06767	8.38	8.62	213	219	9.25	9.48	235	241	42.7
KS18 Sloped channel - 39.37" (1m)	06768	8.62	8.86	219	225	9.48	9.72	241	247	43.5
KS19 Sloped channel - 39.37" (1m)	06769	8.86	9.09	225	231	9.72	9.96	247	253	44.3
KS20 Sloped channel - 39.37" (1m)	06770	9.09	9.33	231	237	9.96	10.19	253	259	45.2
KS020 Neutral channel - 39.37" (1m)	99388	9.33	9.33	237	237	10.19	10.19	259	259	46.0
KS0203 Neutral channel - 19.69" (0.5m)	99399	9.33	9.33	237	237	10.19	10.19	259	259	24.5
KS21 Sloped channel - 39.37" (1m)	06771	9.33	9.56	237	243	10.19	10.43	259	265	46.8
KS22 Sloped channel - 39.37" (1m)	06772	9.56	9.80	243	249	10.43	10.66	265	271	47.7
KS23 Sloped channel - 39.37" (1m)	06773	9.80	10.04	249	255	10.66	10.90	271	277	48.5
KS24 Sloped channel - 39.37" (1m)	06774	10.04	10.27	255	261	10.90	11.14	277	283	49.3
KS25 Sloped channel - 39.37" (1m)	06775	10.27	10.51	261	267	11.14	11.38	283	289	50.2
KS26 Sloped channel - 39.37" (1m)	06776	10.51	10.74	267	273	11.38	11.61	289	295	51.0
KS27 Sloped channel - 39.37" (1m)	06777	10.74	10.98	273	279	11.61	11.85	295	301	51.9
KS28 Sloped channel - 39.37" (1m)	06778	10.98	11.22	279	285	11.85	12.08	301	307	52.7
KS29 Sloped channel - 39.37" (1m)	06779	11.22	11.45	285	291	12.08	12.32	307	313	53.5
KS30 Sloped channel - 39.37" (1m)	06780	11.45	11.69	291	297	12.32	12.55	313	319	54.4
KS030 Neutral channel - 39.37" (1m)	99404	11.69	11.69	297	297	12.55	12.55	319	319	55.8
KS0303 Neutral channel - 19.69" (0.5m)	99415	11.69	11.69	297	297	12.55	12.55	319	319	29.0
In-line Catch Basins - For information on Series 600 catch basins see page 52										
KS900 In-line catch basin - 19.69" (0.5m)	96495	24.00	24.00	610	610	25.00	25.00	635	635	71.2
KS900 QuickLok bar (removable)	98717	-	-	-	-	-	-	-	-	0.1
Series 900 plastic trash bucket	01498	-	-	-	-	9.33	9.33	237	237	1.1
Foul air trap (See page 54)	90854	-	-	-	-	-	-	-	-	1.2
Accessories										
Universal plastic closing/4" inlet/outlet cap	96825	-	-	-	-	12.55	12.55	319	319	0.4
KS204-6 6" Inlet cap	97162	-	9.33	-	237	-	10.19	-	259	3.2
KS208-6 6" Outlet cap	97229	9.33	-	237	-	10.19	-	259	-	3.2
KS304-6 6" Inlet cap	97139	-	11.69	-	297	-	12.55	-	319	3.6
KS308-6 6" Outlet cap	97197	11.69	-	297	-	12.55	-	319	-	3.6
Type 824 6" Sch. 40 oval to round outlet	95140	-	-	-	-	-	-	-	-	1.1
QuickLok locking bar	02899	-	-	-	-	-	-	-	-	0.1
QuickLok/PowerLok grate removal tool	01318	-	-	-	-	-	-	-	-	0.3

Notes:

1. Preformed 4" dia. & 6" flumed drill-out outlet cast on underside of every channel
2. Closing cap can be cut down to suit all channels
3. For product dimensional information, see page 32
4. Grade 304 stainless steel rails, ACO recommends the use of non-galvanized grates with stainless steel rails to avoid galvanic corrosion.

QuickLok - boltless locking system

Comprised of a glass nylon stud, factory fitted to the grating, which allows a snap fit into a stainless steel spring clip in the locking bar. With no loose bolts or bars, QuickLok provides highly secure boltless locking, that is easy to remove/replace for maintenance and cleaning. Saves time and money during installation.



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.



FIT GRATE

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



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



REMOVAL

To remove first grate, insert grate removal tool into slots at end of grate, pull up sharply. Rest of 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.



PERFORATED STEEL

DIN 19580 Class A - 3,500lbs - 70psi

Pedestrian



Description	Part No.	Length ins (meters)	Weight lbs	Slot size (ins)	Intake area sq. ins	Locking Type
Type 410Q - galvanized steel	98866	39.37" (1.0m)	6.3	0.25 dia.	28.3	QuickLok
Type 412Q - galvanized steel	98879	19.69" (0.5m)	3.2	0.25 dia.	14.1	QuickLok
Type 451Q - stainless steel*	98883	39.37" (1.0m)	6.3	0.25 dia.	28.3	QuickLok
Type 453Q - stainless steel*	98892	19.69" (0.5m)	3.2	0.25 dia.	14.1	QuickLok

* Grade 304 stainless steel



ADA STAINLESS

DIN 19580 Class A - 3,500lbs - 70psi

Pedestrian



Description	Part No.	Length ins (meters)	Weight lbs	Slot size (ins)	Intake area sq. ins	Locking Type
Type 445Q - stainless steel*	96764	39.37" (1.0m)	8.0	0.16 x 0.82	58.4	QuickLok
Type 446Q - stainless steel*	96882	19.69" (0.5m)	4.0	0.16 x 0.82	29.1	QuickLok

* Grade 304 stainless steel





ADA PLASTIC

DIN 19580 Class A - 3,500lbs - 70psi

Pedestrian



Description	Part No.	Length ins (meters)	Weight lbs	Slot size (ins)	Intake area sq. ins	Locking Type
Type 494Q - black plastic*	97393	19.69" (0.5m)	1.8	0.33 x 1.74	27.4	QuickLok
Type 495Q - gray plastic*	97385	19.69" (0.5m)	1.8	0.33 x 1.74	27.4	QuickLok

* Polypropylene



BAR FRP

DIN 19580 Class A - 3,500lbs - 70psi

Pedestrian



Description	Part No.	Length ins (meters)	Weight lbs	Slot size (ins)	Intake area sq. ins	Locking Type
Type 440 - fiberglass*	96935	39.37" (1.0m)	3.0	0.72 x 1.4 avg.	116.8	Bolt/bar**
Type 441 - fiberglass*	96937	19.69" (0.5m)	1.6	0.72 x 1.4 avg.	56.9	Bolt/bar**

* Vinyl ester resin fiberglass

**Type 440/441 grates supplied with locking bolt and bar



SLOTTED STEEL

DIN 19580 Class A - 3,500lbs - 70psi

Pedestrian



Description	Part No.	Length ins (meters)	Weight lbs	Slot size (ins)	Intake area sq. ins	Locking Type
Type 420Q - galvanized steel	31530	39.37" (1.0m)	5.9	1.46 x 0.38	35.2	QuickLok
Type 421Q - galvanized steel	31531	19.69" (0.5m)	3.0	1.46 x 0.38	17.6	QuickLok
Type 450Q - stainless steel*	31630	39.37" (1.0m)	5.9	1.46 x 0.38	35.2	QuickLok
Type 452Q - stainless steel*	31631	19.69" (0.5m)	3.0	1.46 x 0.38 avg.	17.6	QuickLok

* Grade 304 stainless steel



SLOTTED COMPOSITE

DIN 19580 Class C - 56,000lbs - 1,162psi

Commercial vehicle



Description	Part No.	Length ins (meters)	Weight lbs	Slot size (ins)	Intake area sq. ins	Locking Type
Type 492Q - resin composite	04780	19.69" (0.5m)	3.5	1.48 x 0.31 avg.	14.5	QuickLok

KlassikDrain Grates



MESH STEEL

DIN 19580 Class C - 56,000lbs - 1,162psi

Commercial vehicle



Description	Part No.	Length ins (meters)	Weight lbs	Slot size (ins)	Intake area sq. ins	Locking Type
Type 405Q - galvanized steel	98707	39.37" (1.0m)	7.8	0.50 x 1.20	121.1	QuickLok
Type 406Q - galvanized steel	98714	19.69" (0.5m)	3.9	0.50 x 1.20	58.0	QuickLok
Type 430Q - stainless steel*	98683	39.37" (1.0m)	8.0	0.57 x 1.20	134.7	QuickLok
Type 431Q - stainless steel*	98695	19.69" (0.5m)	4.0	0.57 x 1.20	63.2	QuickLok

* Grade 304 stainless steel - **Stainless version not ADA**



PERFORATED STEEL

DIN 19580 Class C - 56,000lbs - 1,162psi

Commercial vehicle



Description	Part No.	Length ins (meters)	Weight lbs	Slot size (ins)	Intake area sq. ins	Locking Type
Type 411Q - galvanized steel	98905	39.37" (1.0m)	11.3	0.25 dia.	28.3	QuickLok
Type 413Q - galvanized steel	98918	19.69" (0.5m)	5.7	0.25 dia.	14.1	QuickLok
Type 465Q - stainless steel*	98927	39.37" (1.0m)	11.3	0.25 dia.	28.3	QuickLok
Type 466Q - stainless steel*	98934	19.69" (0.5m)	5.7	0.25 dia.	14.1	QuickLok
Type 485Q - brass	98946	39.37" (1.0m)	11.3	0.25 dia.	28.3	QuickLok
Type 486Q - brass	98951	19.69" (0.5m)	5.7	0.25 dia.	14.1	QuickLok

* Grade 304 stainless steel



SLOTTED STEEL

DIN 19580 Class C - 56,000lbs - 1,162psi

Commercial vehicle



Description	Part No.	Length ins (meters)	Weight lbs	Slot size (ins)	Intake area sq. ins	Locking Type
Type 425Q - galvanized steel	31540	39.37" (1.0m)	8.8	1.46 x 0.38	35.2	QuickLok
Type 426Q - galvanized steel	31541	19.69" (0.5m)	4.4	1.46 x 0.38	17.6	QuickLok
Type 455Q - stainless steel*	31640	39.37" (1.0m)	8.8	1.46 x 0.38	35.2	QuickLok
Type 457Q - stainless steel*	31641	19.69" (0.5m)	4.4	1.46 x 0.38	17.6	QuickLok

* Grade 304 stainless steel



MOSAIC IRON

DIN 19580 Class C - 56,000lbs - 1,162psi

Commercial vehicle



Description	Part No.	Length ins (meters)	Weight lbs	Slot size (ins)	Intake area sq. ins	Locking Type
Type 479Q - ductile iron*	97116	19.69" (0.5m)	10.0	0.43 max.	13.0	QuickLok

* Ductile iron to ASTM A 536-84 - grade 65-45-12

ACO DRAIN

D		GRID IRON		DIN 19580 Class D - 90,000lbs - 1,859psi			Light industrial	
		Description	Part No.	Length ins (meters)	Weight lbs	Slot size (ins)	Intake area sq. ins	Locking Type
		Type 477Q - ductile iron*	98854	19.69" (0.5m)	10.0	1.0 x 1.73	39.7	QuickLok
		* Ductile iron to ASTM A 536-84 - grade 65-45-12						

E 	SLOTTED STEEL		DIN 19580 Class E - 135,000lbs - 2,788psi				Medium industrial	
		Description	Part No.	Length ins (meters)	Weight lbs	Slot size (ins)	Intake area sq. ins	Locking Type
		Type 435Q - galvanized steel	31550	39.37" (1.0m)	13.7	1.46 x 0.38	35.2	QuickLok
		Type 436Q - galvanized steel	31551	19.69" (0.5m)	6.8	1.46 x 0.38	17.6	QuickLok
		Type 490Q - stainless steel*	31650	39.37" (1.0m)	13.7	1.46 x 0.38	35.2	QuickLok
	Type 493Q - stainless steel*	31651	19.69" (0.5m)	6.8	1.46 x 0.38	17.6	QuickLok	
* Grade 304 stainless steel								

E		ADA IRON		DIN 19580 Class E - 135,000lbs - 2,788psi			Medium industrial	
		Description	Part No.	Length ins (meters)	Weight lbs	Slot size (ins)	Intake area sq. ins	Locking Type
		Type 478Q - ductile iron*	03314	19.69" (0.5m)	12.8	0.27 x 1.77	22.5	QuickLok
		* Ductile iron to ASTM A 536-84 - grade 65-45-12						

E		SLOTTED IRON		DIN 19580 Class E - 135,000lbs - 2,788psi			Medium industrial	
		Description	Part No.	Length ins (meters)	Weight lbs	Slot size (ins)	Intake area sq. ins	Locking Type
		Type 461Q - ductile iron*	96752	19.69" (0.5m)	10.2	3.93 x 0.40	34.1	QuickLok
		* Ductile iron to ASTM A 536-84 - grade 65-45-12						