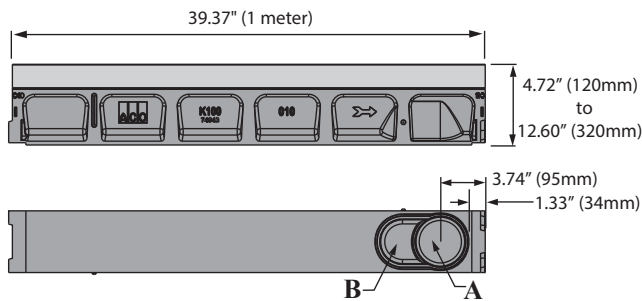
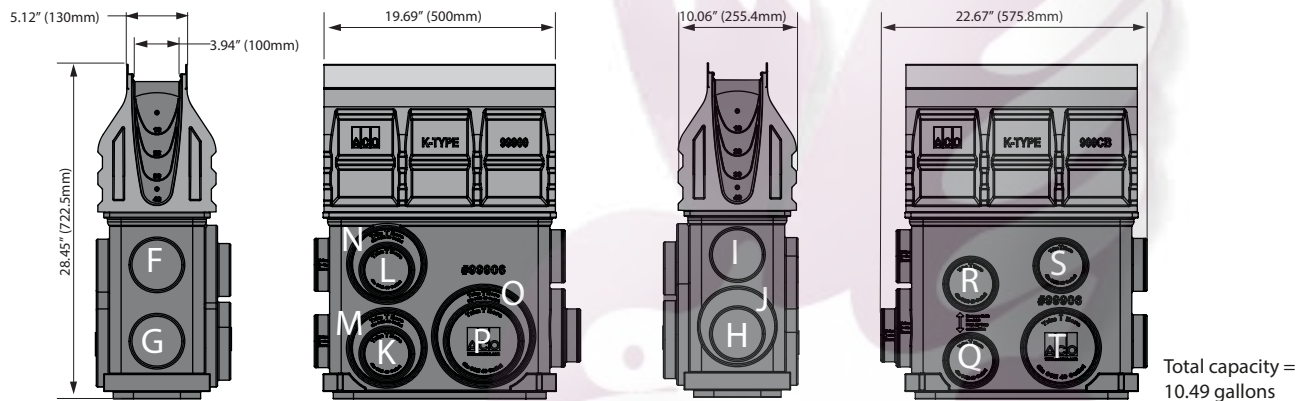


## One meter channel



Knock-outs included on every 5th channel

## Type 901G In-line catch basin

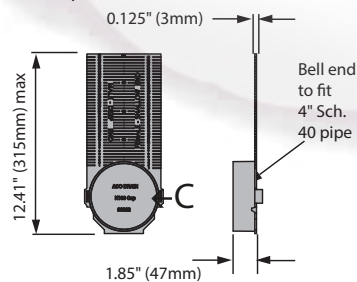


## Outlet flow rates

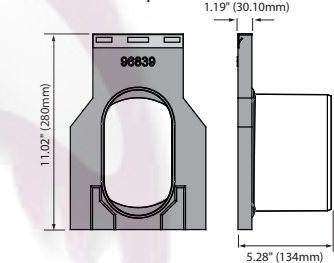
| Outlet | Product                | Outlet size (Sch. 40) | Invert Depth | GPM  | CFS  |  |
|--------|------------------------|-----------------------|--------------|------|------|--|
| A      | Bottom outlet - K00    | 4" round              | 3.94"        | 108  | 0.24 |  |
| A      | Bottom outlet - K40    | 4" round              | 11.81"       | 187  | 0.42 |  |
| B      | Bottom outlet - K00    | 6" oval               | 3.94"        | 177  | 0.39 |  |
| B      | Bottom outlet - K40    | 6" oval               | 11.81"       | 306  | 0.68 |  |
| C      | End outlet - K20       | 4" round              | 7.87"        | 132  | 0.29 |  |
| C      | End outlet - K40       | 4" round              | 11.81"       | 171  | 0.38 |  |
| D      | K1-308-6 6" outlet cap | 6" oval               | 9.84"        | 233  | 0.52 |  |
| E      | K1-408-6 6" outlet cap | 6" oval               | 11.81"       | 264  | 0.59 |  |
| F      | Type K1-901G           | 4" round              | 19.30"       | 226  | 0.50 |  |
| G      | Type K1-901G           | 4" round              | 25.67"       | 265  | 0.59 |  |
| H      | Type K1-901G           | 4" round              | 25.30"       | 263  | 0.59 |  |
| I      | Type K1-901G           | 4" round              | 18.56"       | 222  | 0.49 |  |
| J      | Type K1-901G           | 6" round              | 25.85"       | 586  | 1.30 |  |
| K      | Type K1-901G           | 4" round              | 26.43"       | 269  | 0.60 |  |
| L      | Type K1-901G           | 4" round              | 19.36"       | 227  | 0.51 |  |
| M      | Type K1-901G           | 6" round              | 27.30"       | 604  | 1.35 |  |
| N      | Type K1-901G           | 6" round              | 19.99"       | 505  | 1.12 |  |
| O      | Type K1-901G           | 8" round              | 27.30"       | 1051 | 2.34 |  |
| P      | Type K1-901G           | 6" round              | 26.43"       | 593  | 1.32 |  |
| Q      | Type K1-901G           | 4" round              | 27.17"       | 273  | 0.61 |  |
| R      | Type K1-901G           | 4" round              | 20.68"       | 235  | 0.52 |  |
| S      | Type K1-901G           | 4" round              | 18.99"       | 224  | 0.50 |  |
| T      | Type K1-901G           | 6" round              | 27.17"       | 602  | 1.34 |  |

Note: These are the pipe flow rates at the specified outlet, NOT channel flow rates. Catch basin flow rates are without trash bucket - using trash bucket reduces flow.

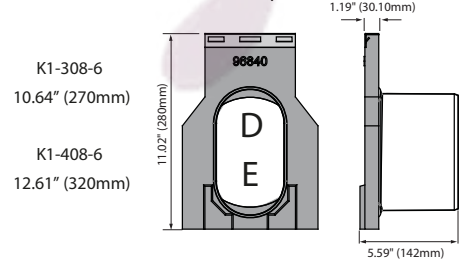
## End Cap



## 6" Oval inlet cap



## 6" Oval outlet cap



# ACO DRAIN

## KlassikDrain - K100 Galvanized steel edge rail channel system



| Description                               | Part No. | Invert   |     | Weight |
|-------------------------------------------|----------|----------|-----|--------|
|                                           |          | Inches ② | mm② | Lbs.   |
| K1-00 Neutral channel - 39.37" (1m) ①     | 74041    | 3.94     | 100 | 28.1   |
| K1-1 Sloped channel - 39.37" (1m)         | 74001    | 4.13     | 105 | 28.1   |
| K1-2 Sloped channel - 39.37" (1m)         | 74002    | 4.33     | 110 | 28.9   |
| K1-3 Sloped channel - 39.37" (1m)         | 74003    | 4.53     | 115 | 29.7   |
| K1-4 Sloped channel - 39.37" (1m)         | 74004    | 4.72     | 120 | 30.5   |
| K1-5 Sloped channel - 39.37" (1m) ①       | 74005    | 4.92     | 125 | 31.3   |
| K1-6 Sloped channel - 39.37" (1m)         | 74006    | 5.12     | 130 | 32.1   |
| K1-7 Sloped channel - 39.37" (1m)         | 74007    | 5.31     | 135 | 32.9   |
| K1-8 Sloped channel - 39.37" (1m)         | 74008    | 5.51     | 140 | 33.7   |
| K1-9 Sloped channel - 39.37" (1m)         | 74009    | 5.71     | 145 | 34.5   |
| K1-10 Sloped channel - 39.37" (1m) ①      | 74010    | 5.91     | 150 | 35.3   |
| K1-010 Neutral channel - 39.37" (1m) ①    | 74043    | 5.91     | 150 | 35.3   |
| K1-0103 Neutral channel - 19.69" (0.5m) ① | 74044    | 5.91     | 150 | 17.0   |
| K1-11 Sloped channel - 39.37" (1m)        | 74011    | 6.10     | 155 | 36.1   |
| K1-12 Sloped channel - 39.37" (1m)        | 74012    | 6.30     | 160 | 36.9   |
| K1-13 Sloped channel - 39.37" (1m)        | 74013    | 6.50     | 165 | 37.7   |
| K1-14 Sloped channel - 39.37" (1m)        | 74014    | 6.69     | 170 | 38.5   |
| K1-15 Sloped channel - 39.37" (1m) ①      | 74015    | 6.89     | 175 | 39.3   |
| K1-16 Sloped channel - 39.37" (1m)        | 74016    | 7.09     | 180 | 40.1   |
| K1-17 Sloped channel - 39.37" (1m)        | 74017    | 7.28     | 185 | 40.9   |
| K1-18 Sloped channel - 39.37" (1m)        | 74018    | 7.48     | 190 | 41.7   |
| K1-19 Sloped channel - 39.37" (1m)        | 74019    | 7.68     | 195 | 42.5   |
| K1-20 Sloped channel - 39.37" (1m) ①      | 74020    | 7.87     | 200 | 43.4   |
| K1-020 Neutral channel - 39.37" (1m) ①    | 74045    | 7.87     | 200 | 43.4   |
| K1-0203 Neutral channel - 19.69" (0.5m) ① | 74046    | 7.87     | 200 | 20.5   |
| K1-21 Sloped channel - 39.37" (1m)        | 74021    | 8.07     | 205 | 44.2   |
| K1-22 Sloped channel - 39.37" (1m)        | 74022    | 8.27     | 210 | 45.0   |
| K1-23 Sloped channel - 39.37" (1m)        | 74023    | 8.46     | 215 | 45.8   |
| K1-24 Sloped channel - 39.37" (1m)        | 74024    | 8.66     | 220 | 46.6   |
| K1-25 Sloped channel - 39.37" (1m) ①      | 74025    | 8.86     | 225 | 47.4   |
| K1-26 Sloped channel - 39.37" (1m)        | 74026    | 9.06     | 230 | 48.2   |
| K1-27 Sloped channel - 39.37" (1m)        | 74027    | 9.25     | 235 | 49.0   |

| Description                                       | Part No. | Invert   |        | Weight |
|---------------------------------------------------|----------|----------|--------|--------|
|                                                   |          | Inches ② | mm②    | Lbs.   |
| K1-28 Sloped channel - 39.37" (1m)                | 74028    | 9.45     | 240    | 49.8   |
| K1-29 Sloped channel - 39.37" (1m)                | 74029    | 9.65     | 245    | 50.6   |
| K1-30 Sloped channel - 39.37" (1m) ①              | 74030    | 9.84     | 250    | 51.4   |
| K1-030 Neutral channel - 39.37" (1m) ①            | 74047    | 9.84     | 250    | 51.4   |
| K1-0303 Neutral channel - 19.69" (0.5m) ①         | 74048    | 9.84     | 250    | 24.0   |
| K1-31 Sloped channel - 39.37" (1m)                | 74031    | 10.04    | 255    | 52.2   |
| K1-32 Sloped channel - 39.37" (1m)                | 74032    | 10.24    | 260    | 53.0   |
| K1-33 Sloped channel - 39.37" (1m)                | 74033    | 10.43    | 265    | 53.8   |
| K1-34 Sloped channel - 39.37" (1m)                | 74034    | 10.63    | 270    | 54.6   |
| K1-35 Sloped channel - 39.37" (1m) ①              | 74035    | 10.83    | 275    | 55.4   |
| K1-36 Sloped channel - 39.37" (1m)                | 74036    | 11.02    | 280    | 56.2   |
| K1-37 Sloped channel - 39.37" (1m)                | 74037    | 11.22    | 285    | 57.0   |
| K1-38 Sloped channel - 39.37" (1m)                | 74038    | 11.42    | 290    | 57.9   |
| K1-39 Sloped channel - 39.37" (1m)                | 74039    | 11.61    | 295    | 58.7   |
| K1-40 Sloped channel - 39.37" (1m) ①              | 74040    | 11.81    | 300    | 59.5   |
| K1-040 Neutral channel - 39.37" (1m) ①            | 74049    | 11.81    | 300    | 59.5   |
| K1-0403 Neutral channel - 19.69" (0.5m) ①         | 74050    | 11.81    | 300    | 27.5   |
| K1-901G In-line catch basin - 19.69" (0.5m) ①     | 94608    | 28.81    | 701.9  | 52.6   |
| K1-621G catch basin - 19.69" (0.5m) ①             | 94617    | 28.84    | 732.5  | 55.8   |
| K1-631G catch basin - 19.69" (0.5m) ①             | 94631    | 40.84    | 1037.4 | 65.8   |
| K1-Series 600 Optional plastic riser              | 99902    | -        | -      | 10.0   |
| Foul air trap - fits both 900 & 600 series basins | 90854    | -        | -      | 1.2    |
| K1-304-6 6" Inlet Cap                             | 96839    | 9.84     | 250    | 5.2    |
| K1-308-6 6" Outlet Cap                            | 96840    | 9.84     | 250    | 5.0    |
| K1-404-6 6" Inlet Cap                             | 96834    | 11.81    | 300    | 6.0    |
| K1-408-6 6" Outlet Cap                            | 96836    | 11.81    | 300    | 5.8    |
| Universal end cap                                 | 96822    | 11.81    | 300    | 0.4    |
| Debris strainer for 4" bottom knockout            | 93488    | -        | -      | 0.2    |
| 4" Oval to 6" round outlet adapter                | 95140    | -        | -      | 1.1    |
| K1-Installation device                            | 97477    | -        | -      | 2.8    |
| Grate removal tool                                | 01318    | -        | -      | 0.3    |
| K1-QuickLok locking bar                           | 02899    | -        | -      | 0.1    |

### Notes:

- This channel offers a bottom knockout feature; 4" round/6" oval.
- Inverts shown are for the male end; for female invert depth subtract 5mm (≈0.2") from the male invert (except for neutral channels, where it will be same as male invert).  
To calculate the overall channel depth add 20mm (≈0.8") to invert depth.
- This catch basin kit includes a polymer concrete top, removable Quicklok locking bar, trash bucket and plastic base. Select an appropriate grate.
- This catch basin kit includes a polymer concrete top, removable Quicklok locking bar, deep trash bucket, plastic riser and plastic base. Select an appropriate grate.

| Specifications                                                                                                         |                                                                                                                                                                             | Water absorption                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 0.07%                                                                                                                           | cast in by the manufacturer to ensure maximum     |  |
|------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|--|
| General                                                                                                                | The surface drainage system shall be ACO Drain K100 complete with gratings secured with 'QuickLok' locking as manufactured by ACO Polymer Products, Inc. or approved equal. | Frost proof                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | YES                                                                                                                             | homogeneity between polymer concrete body and     |  |
|                                                                                                                        |                                                                                                                                                                             | Salt proof                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | YES                                                                                                                             | edge rail. Each edge rail shall be at least 3/32" |  |
|                                                                                                                        |                                                                                                                                                                             | Dilute acid and alkali resistant                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | YES                                                                                                                             | (2.5mm) thick.                                    |  |
|                                                                                                                        |                                                                                                                                                                             | The nominal clear opening shall be 4" (100mm) with overall width of 5.12" (130mm). Pre-cast units shall be manufactured with either an invert slope of 0.5% or with neutral invert and have a wall thickness of at least 0.50" (13mm). Each unit will feature a partial radius in the trench bottom and a male to female interconnecting end profile. Units shall have horizontal cast in anchoring keys on the outside wall to ensure maximum mechanical bond to the surrounding bedding material and pavement surface. The galvanized steel edge rail will be integrally |                                                                                                                                 |                                                   |  |
| Materials                                                                                                              |                                                                                                                                                                             | Grates                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                 |                                                   |  |
| The trench system bodies shall be manufactured from polyester polymer concrete with the minimum properties as follows: |                                                                                                                                                                             | Grates shall be specified. See separate ACO Spec Info grate sheets for details. After removal of gratings and 'QuickLok' bar there shall be uninterrupted access to the trench to aid maintenance.                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                 |                                                   |  |
| Compressive strength:                                                                                                  |                                                                                                                                                                             | 14,000 psi                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Installation                                                                                                                    |                                                   |  |
| Flexural strength:                                                                                                     |                                                                                                                                                                             | 4,000 psi                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | The trench drain system shall be installed in accordance with the manufacturer's installation instructions and recommendations. |                                                   |  |