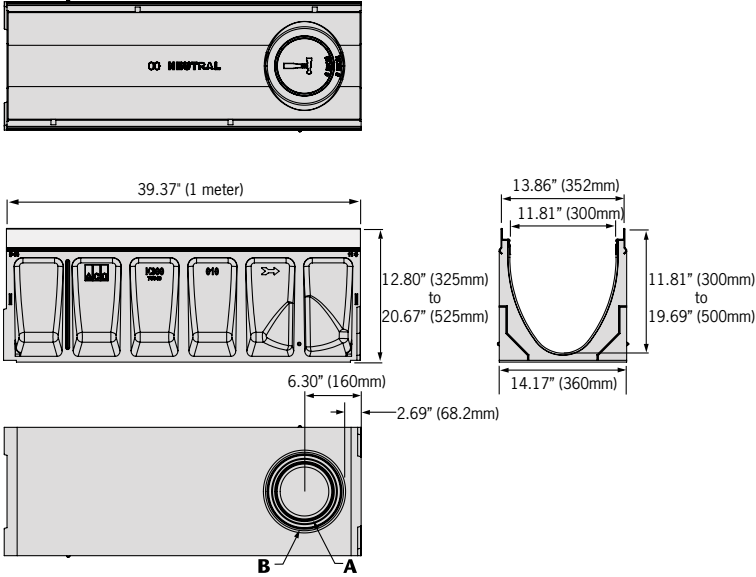
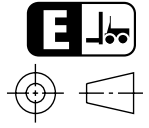
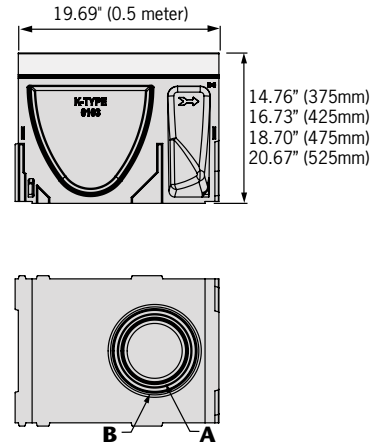


# KlassikDrain - K300 Galvanized steel edge rail channel system

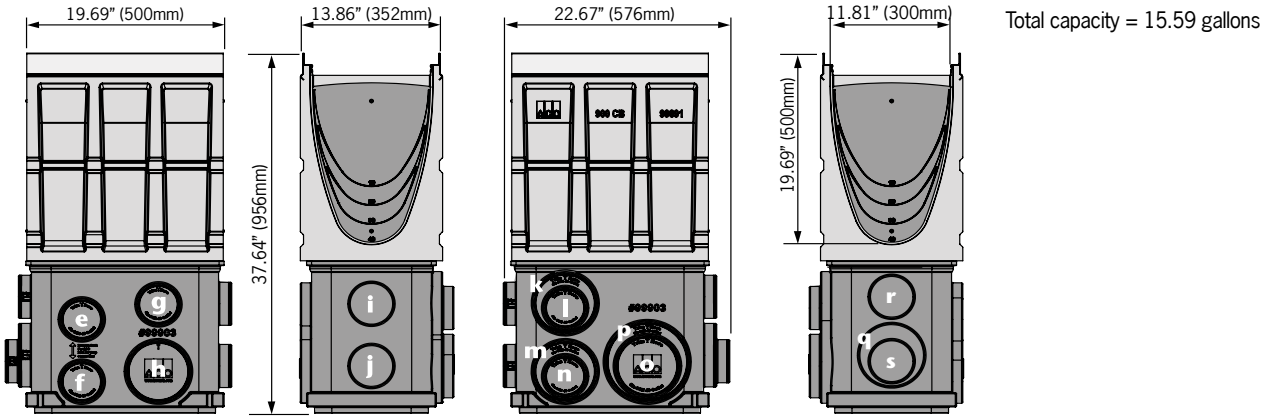
## One meter channel



## Half meter channel



## Type 903G In-line catch basin



## Outlet flow rates

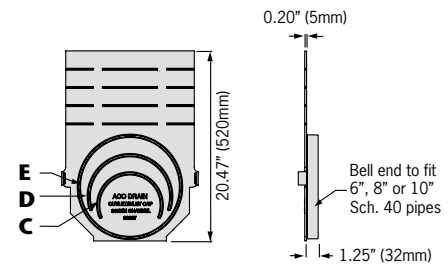
Outlet	Product	Outlet size (Sch. 40)	Invert Depth	GPM	CFS
A	Bottom outlet - K3-00	6" round	11.81"	421	0.94
A	Bottom outlet - K3-040	6" round	19.69"	544	1.21
B	Bottom outlet - K3-00	8" round	11.81"	748	1.67
B	Bottom outlet - K3-040	8" round	19.69"	966	2.15
C	End outlet - K3-00	6" round	11.81"	364	0.81
C	End outlet - K3-40	6" round	19.69"	500	1.11
D	End outlet - K3-10	8" round	13.78"	681	1.52
D	End outlet - K3-40	8" round	19.69"	863	1.92
E	End outlet - K3-20	10" round	15.75"	1116	2.49
E	End outlet - K3-40	10" round	19.69"	1304	2.91
F	Type K3-903G	4" round	29.80"	287	0.64
G	Type K3-903G	4" round	36.29"	319	0.71
H	Type K3-903G	4" round	28.22"	279	0.62
I	Type K3-903G	6" round	36.29"	707	1.57
J	Type K3-903G	4" round	28.37"	280	0.62
K	Type K3-903G	4" round	34.87"	312	0.70
L	Type K3-903G	6" round	29.15"	626	1.40
M	Type K3-903G	4" round	28.59"	281	0.63
N	Type K3-903G	6" round	36.28"	707	1.57
O	Type K3-903G	4" round	35.72"	316	0.70
P	Type K3-903G	6" round	35.72"	701	1.56
Q	Type K3-903G	8" round	36.28"	1237	2.76
R	Type K3-903G	6" round	34.78"	690	1.54
S	Type K3-903G	4" round	27.65"	276	0.61
T	Type K3-903G	4" round	34.36"	310	0.69

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.

## Type 904G In-line catch basin

- Notes:**
- Riser can be cut down in 1" (25mm) increments.
  - Maximum capacity including riser 27.82 gallons.
  - Add 12" (300mm) to all heights if using riser.
  - Outlet flow rates will be higher due to increased depth - contact ACO Sales Office for more details.

## End Cap



ACO Specification Information



ACO Specification Information

Description	Part No.	Invert		Weight Lbs.	Description	Part No.	Invert		Weight Lbs.
		Inches <sup>Ø</sup>	mm <sup>Ø</sup>				Inches <sup>Ø</sup>	mm <sup>Ø</sup>	
<b>K3-00 Neutral channel - 39.37" (1m)<sup>Ø</sup></b>	<b>76041</b>	<b>11.81</b>	<b>300</b>	<b>132.6</b>	K3-28 Sloped channel - 39.37" (1m)	<b>76028</b>	17.32	440	165.1
K3-1 Sloped channel - 39.37" (1m)	<b>76001</b>	12.01	305	132.6	K3-29 Sloped channel - 39.37" (1m)	<b>76029</b>	17.52	445	166.3
K3-2 Sloped channel - 39.37" (1m)	<b>76002</b>	12.20	310	133.8	K3-30 Sloped channel - 39.37" (1m) <sup>Ø</sup>	<b>76030</b>	17.72	450	167.5
K3-3 Sloped channel - 39.37" (1m)	<b>76003</b>	12.40	315	135.0	<b>K3-030 Neutral channel - 39.37" (1m)<sup>Ø</sup></b>	<b>76047</b>	<b>17.72</b>	<b>450</b>	<b>167.5</b>
K3-4 Sloped channel - 39.37" (1m)	<b>76004</b>	12.60	320	136.2	<b>K3-0303 Neutral channel - 19.69" (0.5m)<sup>Ø</sup></b>	<b>76048</b>	<b>17.72</b>	<b>450</b>	<b>89.5</b>
K3-5 Sloped channel - 39.37" (1m) <sup>Ø</sup>	<b>76005</b>	12.80	325	137.4	K3-31 Sloped channel - 39.37" (1m)	<b>76031</b>	17.91	455	168.7
K3-6 Sloped channel - 39.37" (1m)	<b>76006</b>	12.99	330	138.6	K3-32 Sloped channel - 39.37" (1m)	<b>76032</b>	18.11	460	169.9
K3-7 Sloped channel - 39.37" (1m)	<b>76007</b>	13.19	335	139.8	K3-33 Sloped channel - 39.37" (1m)	<b>76033</b>	18.31	465	171.1
K3-8 Sloped channel - 39.37" (1m)	<b>76008</b>	13.39	340	141.0	K3-34 Sloped channel - 39.37" (1m)	<b>76034</b>	18.50	470	172.3
K3-9 Sloped channel - 39.37" (1m)	<b>76009</b>	13.58	345	142.2	K3-35 Sloped channel - 39.37" (1m) <sup>Ø</sup>	<b>76035</b>	18.70	475	173.5
K3-10 Sloped channel - 39.37" (1m) <sup>Ø</sup>	<b>76010</b>	13.78	350	143.4	K3-36 Sloped channel - 39.37" (1m)	<b>76036</b>	18.90	480	174.7
<b>K3-010 Neutral channel - 39.37" (1m)<sup>Ø</sup></b>	<b>76043</b>	<b>13.78</b>	<b>350</b>	<b>143.4</b>	K3-37 Sloped channel - 39.37" (1m)	<b>76037</b>	19.09	485	175.9
<b>K3-0103 Neutral channel - 19.69" (0.5m)<sup>Ø</sup></b>	<b>76044</b>	<b>13.78</b>	<b>350</b>	<b>75.3</b>	K3-38 Sloped channel - 39.37" (1m)	<b>76038</b>	19.29	490	177.1
K3-11 Sloped channel - 39.37" (1m)	<b>76011</b>	13.98	355	144.6	K3-39 Sloped channel - 39.37" (1m)	<b>76039</b>	19.49	495	178.3
K3-12 Sloped channel - 39.37" (1m)	<b>76012</b>	14.17	360	145.8	K3-40 Sloped channel - 39.37" (1m) <sup>Ø</sup>	<b>76040</b>	19.69	500	179.5
K3-13 Sloped channel - 39.37" (1m)	<b>76013</b>	14.37	365	147.0	<b>K3-040 Neutral channel - 39.37" (1m)<sup>Ø</sup></b>	<b>76049</b>	<b>19.69</b>	<b>500</b>	<b>179.5</b>
K3-14 Sloped channel - 39.37" (1m)	<b>76014</b>	14.57	370	148.2	<b>K3-0403 Neutral channel - 19.69" (0.5m)<sup>Ø</sup></b>	<b>76050</b>	<b>19.69</b>	<b>500</b>	<b>97.7</b>
K3-15 Sloped channel - 39.37" (1m) <sup>Ø</sup>	<b>76015</b>	14.76	375	149.4	K3-903G In-line catch basin - 19.69" (0.5m) <sup>Ø</sup>	<b>94614</b>	37.40	950	88.0
K3-16 Sloped channel - 39.37" (1m)	<b>76016</b>	14.96	380	150.6	K3-904G In-line catch basin - 19.69" (0.5) <sup>Ø</sup>	<b>94635</b>	37.40	950	98.0
K3-17 Sloped channel - 39.37" (1m)	<b>76017</b>	15.16	385	151.8	K3-Series 600 Optional plastic riser	<b>99902</b>	-	-	10.0
K3-18 Sloped channel - 39.37" (1m)	<b>76018</b>	15.35	390	153.0	Foul air trap - fits both 900 & 600 series basins	<b>90854</b>	-	-	1.2
K3-19 Sloped channel - 39.37" (1m)	<b>76019</b>	15.55	395	154.2	Universal end cap	<b>96826</b>	15.71	399	2.5
K3-20 Sloped channel - 39.37" (1m) <sup>Ø</sup>	<b>76020</b>	15.75	400	155.4	K3-Installation device	<b>97479</b>	-	-	4.9
<b>K3-020 Neutral channel - 39.37" (1m)<sup>Ø</sup></b>	<b>76045</b>	<b>15.75</b>	<b>400</b>	<b>155.4</b>	Grate removal tool	<b>01318</b>	-	-	0.3
<b>K3-0203 Neutral channel - 19.69" (0.5m)<sup>Ø</sup></b>	<b>76046</b>	<b>15.75</b>	<b>400</b>	<b>82.3</b>	K3-QuickLok locking bar	<b>10458</b>	-	-	0.7
K3-21 Sloped channel - 39.37" (1m)	<b>76021</b>	15.94	405	156.7					
K3-22 Sloped channel - 39.37" (1m)	<b>76022</b>	16.14	410	157.9					
K3-23 Sloped channel - 39.37" (1m)	<b>76023</b>	16.34	415	159.1					
K3-24 Sloped channel - 39.37" (1m)	<b>76024</b>	16.54	420	160.3					
K3-25 Sloped channel - 39.37" (1m) <sup>Ø</sup>	<b>76025</b>	16.73	425	161.5					
K3-26 Sloped channel - 39.37" (1m)	<b>76026</b>	16.93	430	162.7					
K3-27 Sloped channel - 39.37" (1m)	<b>76027</b>	17.13	435	163.9					

**Notes:**

1. This channel offers a bottom knockout feature; 6" & 8" round
2. Inverts shown are for the male end; for female invert depth subtract 5mm (=0.2") from the male invert (except for neutral channels, where it will be same as male invert). To calculate the overall channel depth add 20mm (=0.8") to invert depth.
3. This catch basin kit includes a polymer concrete top, removable Quicklok locking bar, trash bucket and plastic base. Select an appropriate grate.
4. This catch basin kit includes a polymer concrete top, removable Quicklok locking bar, deep trash bucket, plastic riser and plastic base. Select an appropriate grate.

<b>Specifications</b>		Water absorption	0.07%	cast in by the manufacturer to ensure maximum homogeneity between polymer concrete body and edge rail. Each edge rail shall be at least 3/32" (4mm) thick.
<b>General</b>	The surface drainage system shall be ACO Drain K300 complete with gratings secured with 'QuickLok' locking as manufactured by ACO, Inc. or approved equal.	Frost proof	YES	<b>Grates</b> 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.
<b>Materials</b>	The trench system bodies shall be manufactured from polyester polymer concrete with the minimum properties as follows:	Salt proof	YES	
Compressive strength:	14,000 psi	Dilute acid and alkali resistant	YES	
Flexural strength:	4,000 psi			
		The nominal clear opening shall be 12" (300mm) with overall width of 14.17" (360mm). 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		<b>Installation</b> The trench drain system shall be installed in accordance with the manufacturer's installation instructions and recommendations.

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