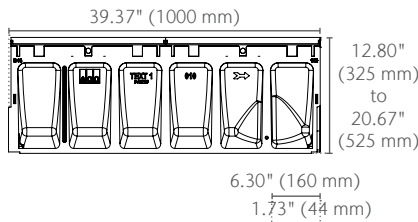
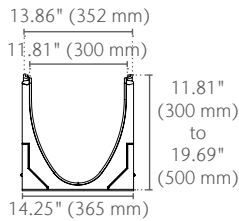


S300K Iron Edged Channels Spec Sheet

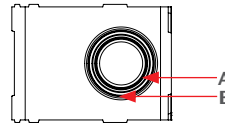
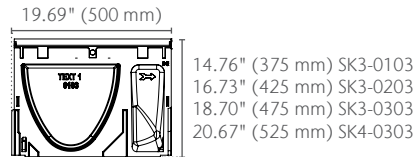
One Meter Channel



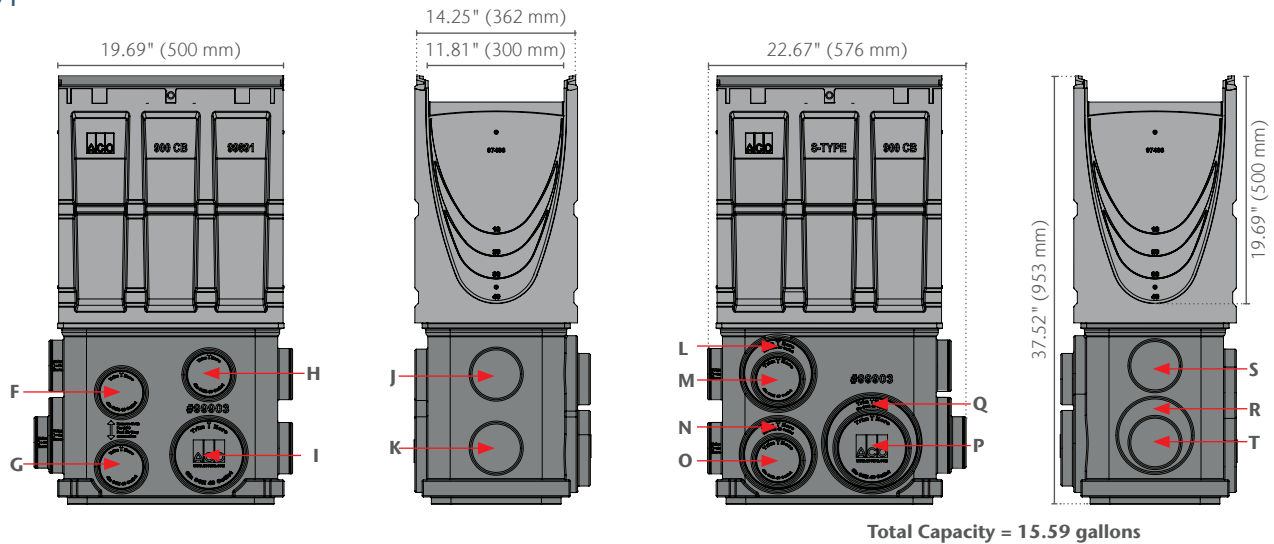
Knock-outs included on every 5th channel



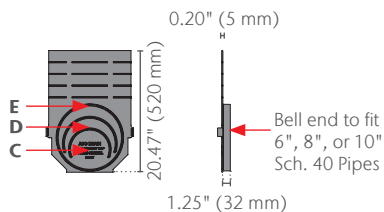
Half Meter Channel



Type 903D Inline Catch Basin

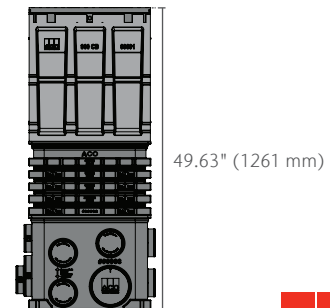


End Caps



Type 904D Inline Catch Basin

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



S300K Iron Edged Channels Spec Sheet



Description	Part No.	Invert in ² (mm ²)	Weight lbs.
SK3-00 Constant depth channel - 39.37" (1m)¹	69041	11.81 (300)	140
SK3-1 Sloped channel - 39.37" (1m)	69001	12.01 (305)	140
SK3-2 Sloped channel - 39.37" (1m)	69002	12.2 (310)	141.3
SK3-3 Sloped channel - 39.37" (1m)	69003	12.4 (315)	142.8
SK3-4 Sloped channel - 39.37" (1m)	69004	12.6 (320)	144.1
SK3-5 Sloped channel - 39.37" (1m) ¹	69005	12.8 (325)	145.4
SK3-6 Sloped channel - 39.37" (1m)	69006	12.99 (330)	146.9
SK3-7 Sloped channel - 39.37" (1m)	69007	13.19 (335)	148.2
SK3-8 Sloped channel - 39.37" (1m)	69008	13.39 (340)	149.5
SK3-9 Sloped channel - 39.37" (1m)	69009	13.58 (345)	150.9
SK3-10 Sloped channel - 39.37" (1m) ¹	69010	13.78 (350)	152.3
SK3-010 Constant depth channel - 39.37" (1m)¹	69042	13.78 (350)	152.3
SK3-0103 Constant depth channel - 19.69" (0.5m)¹	69045	13.78 (350)	84.2
SK3-11 Sloped channel - 39.37" (1m)	69011	13.98 (355)	153.6
SK3-12 Sloped channel - 39.37" (1m)	69012	14.17 (360)	155
SK3-13 Sloped channel - 39.37" (1m)	69013	14.37 (365)	156.4
SK3-14 Sloped channel - 39.37" (1m)	69014	14.57 (370)	157.7
SK3-15 Sloped channel - 39.37" (1m) ¹	69015	14.76 (375)	149.1
SK3-16 Sloped channel - 39.37" (1m)	69016	14.96 (380)	160.5
SK3-17 Sloped channel - 39.37" (1m)	69017	15.16 (385)	161.9
SK3-18 Sloped channel - 39.37" (1m)	69018	15.35 (390)	163.2
SK3-19 Sloped channel - 39.37" (1m)	69019	15.55 (395)	164.6
SK3-20 Sloped channel - 39.37" (1m) ¹	69020	15.75 (400)	166
SK3-020 Constant depth channel - 39.37" (1m)¹	69044	15.75 (400)	166
SK3-0203 Constant depth channel - 19.69" (0.5m)¹	69047	15.75 (400)	92
SK3-21 Sloped channel - 39.37" (1m)	69021	15.94 (405)	167.3
SK3-22 Sloped channel - 39.37" (1m)	69022	16.14 (410)	168.7
SK3-23 Sloped channel - 39.37" (1m)	69023	16.34 (415)	170.1
SK3-24 Sloped channel - 39.37" (1m)	69024	16.54 (420)	171.4
SK3-25 Sloped channel - 39.37" (1m) ¹	69025	16.73 (425)	172.7
SK3-26 Sloped channel - 39.37" (1m)	69026	16.93 (430)	174.2
SK3-27 Sloped channel - 39.37" (1m)	69027	17.13 (435)	175.5
SK3-28 Sloped channel - 39.37" (1m)	69028	17.32 (440)	176.8
SK3-29 Sloped channel - 39.37" (1m)	69029	17.52 (445)	178.3
SK3-30 Sloped channel - 39.37" (1m) ¹	69030	17.72 (450)	179.6
SK3-030 Constant depth channel - 39.37" (1m)¹	69046	17.72 (450)	179.6
SK3-0303 Constant depth channel - 19.69" (0.5m)¹	69049	17.72 (450)	100
SK3-31 Sloped channel - 39.37" (1m)	69031	17.91 (455)	180.9
SK3-32 Sloped channel - 39.37" (1m)	69032	18.11 (460)	182.4
SK3-33 Sloped channel - 39.37" (1m)	69033	18.31 (465)	183.7
SK3-34 Sloped channel - 39.37" (1m)	69034	18.50 (470)	185
SK3-35 Sloped channel - 39.37" (1m) ¹	69035	18.70 (475)	186.5
SK3-36 Sloped channel - 39.37" (1m)	69036	18.90 (480)	187.7
SK3-37 Sloped channel - 39.37" (1m)	69037	19.09 (485)	189.1
SK3-38 Sloped channel - 39.37" (1m)	69038	19.29 (490)	190.5
SK3-39 Sloped channel - 39.37" (1m)	69039	19.49 (495)	191.9
SK3-40 Sloped channel - 39.37" (1m) ¹	69040	19.69 (500)	193.2
SK3-040 Constant depth channel - 39.37" (1m)¹	69048	19.69 (500)	193.2
SK3-0403 Constant depth channel - 19.69" (0.5m)¹	69050	19.69 (500)	109
SK3-903D In-line catch basin - 19.69" (0.5m) ³	69053	37.40 (950)	99.4
SK3-904D In-line catch basin - 19.69" (0.5m) ⁴	69054	49.53 (1258)	104.4

Description	Part No.	Invert in ² (mm ²)	Weight lbs.
Series 600 Optional plastic riser	99902	-	10
Foul air trap - fits both 910 & 610 basins	90854	-	1.2
SK3 channel Universal end cap	96827	19.69 (500)	2.5
SK3 channel Installation device	97479	-	4.9
Grate removal tool	01318	-	0.3
SK3 ductile iron slotted grate ⁶	02445	-	50
SK3 ductile iron longitudinal ADA grate ⁶	96833	-	64
SK3 ductile iron 4-bolt	99592	-	50.2

1. This channel offers bottom knockout feature: 6" & 8" round.
2. Inverts shown are male end; for female invert depth subtract 5mm (≈0.2") from male invert (except neutral channels where it will be same as male invert).
To calculate overall channel depth, add 20 mm (0.79") to invert depth
3. Catch basin assembly includes grate, polymer concrete top, trash bucket and plastic base.
4. Catch basin assembly includes grate, polymer concrete top, deep trash bucket, plastic riser and plastic base
5. See 12" width ductile iron grate specification info for grate details.

Outlet Flow Rates

Outlet	Product	Outlet size (Sch. 40)	Invert Depth in (mm)	GPM	CFS
A	Bottom outlet - SK3-00	6" round	11.81 (300)	421	0.94
A	Bottom outlet - SK3-040	6" round	19.69 (500)	544	1.21
B	Bottom outlet - SK3-00	8" round	11.81 (300)	748	1.67
B	Bottom outlet - SK3-040	8" round	19.69 (500)	966	2.15
C	End outlet - SK3-00	6" round	11.81 (300)	364	0.81
C	End outlet - SK3-40	6" round	19.69 (500)	500	1.11
D	End outlet - SK3-10	8" round	13.78 (350)	681	1.52
D	End outlet - SK3-40	8" round	19.69 (500)	863	1.92
E	End outlet - SK3-20	10" round	15.75 (400)	1116	2.49
E	End outlet - SK3-40	10" round	19.69 (500)	1304	2.91
F	Type SK3-903D	4" round	29.80 (757)	287	0.64
G	Type SK3-903D	4" round	36.29 (922)	319	0.71
H	Type SK3-903D	4" round	28.22 (717)	279	0.62
I	Type SK3-903D	6" round	36.29 (922)	707	1.57
J	Type SK3-903D	4" round	28.37 (721)	280	0.62
K	Type SK3-903D	4" round	34.87 (886)	312	0.7
L	Type SK3-903D	6" round	29.15 (740)	626	1.4
M	Type SK3-903D	4" round	28.59 (726)	281	0.63
N	Type SK3-903D	6" round	36.28 (922)	707	1.57
O	Type SK3-903D	4" round	35.72 (907)	316	0.7
P	Type SK3-903D	6" round	35.72 (907)	701	1.56
Q	Type SK3-903D	8" round	36.28 (922)	1237	2.76
R	Type SK3-903D	6" round	34.78 (883)	690	1.54
S	Type SK3-903D	4" round	27.65 (702)	276	0.61
T	Type SK3-903D	4" round	34.36 (873)	310	0.69

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.

S300K Iron Edged Channels Spec Sheet



Specification Summary

General

The surface drainage system shall be ACO Drain PowerDrain S300K as manufactured by ACO, Inc. or equal approved. (Add appropriate grate - see grate spec information).

Installation

The trench drain system shall be installed in accordance with the manufacturer's installation instructions and recommendations.

Materials

The trench system bodies shall be manufactured from polymer concrete with minimum properties as follows:

- Compressive strength: 14,000 psi
- Flexural strength: 4,000 psi
- Water absorption 0.07%
- Frost-proof
- Salt-proof
- Dilute acid and alkali-resistant

The nominal clear opening shall be 12" (300 mm) with overall width of 10.24" (260 mm). Pre-cast units shall be manufactured with either an invert slope of 0.5% or with neutral invert and have a wall thickness of at least 0.67" (16 mm). Each unit will feature a partial radius in the trench bottom and a male to female interconnecting end profile. Units shall have horizontal cast in anchoring keys on the outside wall to ensure maximum mechanical bond to the surrounding bedding material and pavement surface. The ductile iron edge rail will be integrally cast in by the manufacturer to ensure maximum homogeneity between polymer concrete body and edge rail. Each edge rail shall be at least 1/4" (6 mm) thick.

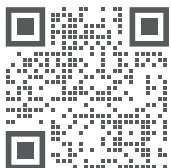


EN1433 Load Class F
202,328 lbs – 4,177 psi

ACO, Inc.

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